

# **APPENDICES**

## MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT

Appendix A : Watermain Hydraulic Analysis  
June 30, 2017

# Appendix A : WATERMAIN HYDRAULIC ANALYSIS



## MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT

Appendix B : Sanitary Sewer Calculations  
June 30, 2017

### **Appendix B** : **SANITARY SEWER CALCULATIONS**

## **Appendix C : STORMWATER MANAGEMENT CALCULATIONS**

C.1 Background Reports Excerpts

C.2 Conceptual Storm Sewer Design Sheet

C.3 Pond 3 Post Development Rural Areas – SWMHYMO Files

C.4 Pond 2 - PCSWMM Model Input

C.5 Pond 3 - PCSWMM Model Input

C.6 Conceptual Profile Pond 2

C.7 Conceptual Profile Pond 3

C.8 Conceptual SWM Pond Calculations

# MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT

Appendix C : Stormwater Management Calculations  
June 30, 2017

## C.1 BACKGROUND REPORTS EXCERPTS

## **MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix C : Stormwater Management Calculations  
June 30, 2017

### **C.2 CONCEPTUAL STORM SEWER DESIGN SHEET**

## **MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix C : Stormwater Management Calculations  
June 30, 2017

### **C.3 POND 3 POST DEVELOPMENT RURAL AREAS – SWMHYMO MODEL**

## **MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix C : Stormwater Management Calculations  
June 30, 2017

### **C.4 POND 2 PCSWMM INPUT FILE**

## **MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix C : Stormwater Management Calculations  
June 30, 2017

### **C.5 POND 3 PCSWMM INPUT FILE**

## MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT

Appendix C : Stormwater Management Calculations  
June 30, 2017

### C.6 CONCEPTUAL PROFILE POND 2



## **MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix C : Stormwater Management Calculations  
June 30, 2017

### **C.7 CONCEPTUAL PROFILE POND 3**

## **MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix C : Stormwater Management Calculations  
June 30, 2017

### **C.8 CONCEPTUAL SWM POND CALCULATIONS**

**MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT**

Appendix D : Geotechnical Investigation Excerpts  
June 30, 2017

**Appendix D : GEOTECHNICAL INVESTIGATION EXCERPTS**

# MAHOGANY SUBDIVISION PHASES 2-4 – FUNCTIONAL SERVICING REPORT

Appendix E : Drawings  
June 30, 2017

## Appendix E : DRAWINGS

## Boundary Conditions for Mahogany Phases 2 and 3

### Information Provided:

Date provided: February 2017

Scenario	Demand	
	L/min	L/s
Average Daily Demand	780	13
Maximum Daily Demand	1920	32
Peak Hour	4260	71
Fire Flow Demand #1	10020	167
Fire Flow Demand #2	13020	217

### Location:



## Results:

### Connection 1 - Manotick Main Street

Demand Scenario	Head (m)	Pressure <sup>1</sup> (psi)
Maximum HGL	147.7	83.7
Peak Hour	136.4	67.7
Max Day plus Fire (10,000 l/min)	110.0	30.2
Max Day plus Fire (13,000 l/min)	92.5	5.3

<sup>1</sup> Ground Elevation = 88.8m

### Connection 2 - Potter Drive

Demand Scenario	Head (m)	Pressure <sup>1</sup> (psi)
Maximum HGL	147.7	85.4
Peak Hour	136.3	69.3
Max Day plus Fire (10,000 l/min)	110.3	32.2
Max Day plus Fire (13,000 l/min)	91.2	5.1

<sup>1</sup> Ground Elevation = 87.6m

## Notes:

- 1) The HGL results were produced under the Zone 3C reconfiguration scenario.
- 2) The boundary condition request for Phase 4 was not provided since the proposed 300 mm watermain on Carrison Drive does not exist at this time.
- 3) The residual pressure at the boundary condition is less than 20 psi with a fire demand of 217 l/s.
- 4) As per the Ontario Building Code in areas that may be occupied, the static pressure at any fixture shall not exceed 552 kPa (80 psi). Pressure control measures to be considered are as follows, in order of preference:
  - a) If possible, systems to be designed to residual pressures of 345 to 552 kPa (50 to 80 psi) in all occupied areas outside of the public right-of-way without special pressure control equipment.
  - b) Pressure reducing valves to be installed immediately downstream of the isolation valve in the home/ building, located downstream of the meter so it is owner maintained.

## Disclaimer

*The boundary condition information is based on current operation of the city water distribution system. The computer model simulation is based on the best information available at the time. The operation of the water distribution system can change on a regular basis, resulting in a variation in boundary conditions. The physical properties of watermains deteriorate over time, as such must be assumed in the absence of actual field test data. The variation in physical watermain properties can therefore alter the results of the computer model simulation. Fire Flow analysis is a reflection of available flow in the watermain; there may be additional restrictions that occur between the watermain and the hydrant that the model cannot take into account.*



## FUS Fire Flow Calculation

Calculations based on: "Water Supply for Public Fire Protection" by Fire Underwriters' Survey, 1999

Stantec Project #: 160410140  
 Project Name: Mahogany Phase 2 to 4  
 Date: June 15, 2017  
 Data input by: Valerie Hoang

Fire Flow Calculation #: 1  
 Building Type/Description/Name: Residential

Notes: Townhouse row of 4.

Table A: Fire Underwriters Survey Determination of Required Fire Flow - Long Method									
Step	Task	Term	Options	Multiplier Associated with Option	Choose:	Value Used	Unit	Total Fire Flow (L/min)	
1	Choose Frame Used for Construction of Unit	Coefficient related to type of construction (C)	Framing Material						
			Wood Frame	1.5	Wood Frame	1.5	m		
			Ordinary construction	1					
			Non-combustible construction	0.8					
			Fire resistive construction (< 2 hrs)	0.7					
Fire resistive construction (> 2 hrs)	0.6								
2	Choose Type of Housing (if TH, Enter Number of Units Per TH Block)	Type of Housing	Floor Space Area						
			Single Family	1	Townhouse - indicate # of units	4	Units		
			Townhouse - indicate # of units	4					
			Other (Comm, Ind, Apt etc.)	1					
2.2	# of Storeys	Number of Floors/Storeys in the Unit (do not include basement):						2	2
3	Enter Ground Floor Area of One Unit	Average Floor Area (A) based total floor area of all floors (non-fire resistive construction):	900		669	Area in Square Meters (m <sup>2</sup> )			
			Square Feet (ft2)						
4	Obtain Required Fire Flow without Reductions	Required Fire Flow (without reductions or increases per FUS) ( $F = 220 * C * \sqrt{VA}$ ) Round to nearest 1000L/min						9,000	
5	Apply Factors Affecting Burning	Reductions/Increases Due to Factors Affecting Burning							
5.1	Choose Combustibility of Building Contents	Occupancy content hazard reduction or surcharge	Non-combustible	-0.25	Limited combustible	-0.15	N/A	7,650	
			Limited combustible	-0.15					
			Combustible	0					
			Free burning	0.15					
			Rapid burning	0.25					
5.2	Choose Reduction Due to Presence of Sprinklers	Sprinkler reduction	Adequate Sprinkler conforms to NFPA13	-0.3	None	0	N/A	0	
			None	0					
		Water Supply Credit	Water supply is standard for sprinkler and fire dept. hose line	-0.1	Water supply is not standard or N/A	0	N/A	0	
			Water supply is not standard or N/A	0					
		Sprinkler Supervision Credit	Sprinkler system is fully supervised	-0.1	Sprinkler not fully supervised or N/A	0	N/A	0	
			Sprinkler not fully supervised or N/A	0					
5.3	Choose Separation Distance Between Units	Exposure Distance Between Units	North Side	3.1 to 10.0m	0.2	0.7	m	5,355	
			East Side	10.1 to 20.0m	0.15				
			South Side	3.1 to 10.0m	0.2				
			West Side	10.1 to 20.0m	0.15				
6	Obtain Required Fire Flow, Duration & Volume	<b>Total Required Fire Flow, rounded to nearest 1000 L/min, with max/min limits applied:</b>						<b>13,000</b>	
		<b>Total Required Fire Flow (above) in L/s:</b>						<b>217</b>	
		<b>Required Duration of Fire Flow (hrs)</b>						<b>2.75</b>	
		<b>Required Volume of Fire Flow (m<sup>3</sup>)</b>						<b>2,145</b>	





## FUS Fire Flow Calculation

Calculations based on: "Water Supply for Public Fire Protection" by Fire Underwriters' Survey, 1999

Stantec Project #: 160410140  
 Project Name: Mahogany Phase 2 to 4  
 Date: June 15, 2017  
 Data input by: Valerie Hoang

Fire Flow Calculation #: 1  
 Building Type/Description/Name: Residential

Notes: Single family home

Table A: Fire Underwriters Survey Determination of Required Fire Flow - Long Method									
Step	Task	Term	Options	Multiplier Associated with Option	Choose:	Value Used	Unit	Total Fire Flow (L/min)	
1	Choose Frame Used for Construction of Unit	Coefficient related to type of construction (C)	Framing Material						
			Wood Frame	1.5	Wood Frame	1.5	m		
			Ordinary construction	1					
			Non-combustible construction	0.8					
			Fire resistive construction (< 2 hrs)	0.7					
Fire resistive construction (> 2 hrs)	0.6								
2	Choose Type of Housing (if TH, Enter Number of Units Per TH Block)	Type of Housing	Floor Space Area						
			Single Family	1	Single Family	1	Units		
			Townhouse - indicate # of units	4					
			Other (Comm, Ind, Apt etc.)	1					
2.2	# of Storeys	Number of Floors/Storeys in the Unit (do not include basement):						2	2
3	Enter Ground Floor Area of One Unit	Average Floor Area (A) based total floor area of all floors (non-fire resistive construction):	1,000		186	Area in Square Meters (m <sup>2</sup> )			
			Square Feet (ft <sup>2</sup> )						
4	Obtain Required Fire Flow without Reductions	Required Fire Flow (without reductions or increases per FUS) ( $F = 220 * C * \sqrt{A}$ ) Round to nearest 1000L/min						4,000	
5	Apply Factors Affecting Burning	Reductions/Increases Due to Factors Affecting Burning							
5.1	Choose Combustibility of Building Contents	Occupancy content hazard reduction or surcharge	Non-combustible	-0.25	Limited combustible	-0.15	N/A	3,400	
			Limited combustible	-0.15					
			Combustible	0					
			Free burning	0.15					
			Rapid burning	0.25					
5.2	Choose Reduction Due to Presence of Sprinklers	Sprinkler reduction	Adequate Sprinkler conforms to NFPA13	-0.3	None	0	N/A	0	
			None	0					
		Water Supply Credit	Water supply is standard for sprinkler and fire dept. hose line	-0.1	Water supply is not standard or N/A	0	N/A	0	
			Water supply is not standard or N/A	0					
		Sprinkler Supervision Credit	Sprinkler system is fully supervised	-0.1	Sprinkler not fully supervised or N/A	0	N/A	0	
			Sprinkler not fully supervised or N/A	0					
5.3	Choose Separation Distance Between Units	Exposure Distance Between Units	North Side	3.1 to 10.0m	0.2	0.7	m	2,380	
			East Side	10.1 to 20.0m	0.15				
			South Side	3.1 to 10.0m	0.2				
			West Side	10.1 to 20.0m	0.15				
6	Obtain Required Fire Flow, Duration & Volume	<b>Total Required Fire Flow, rounded to nearest 1000 L/min, with max/min limits applied:</b>						<b>6,000</b>	
		<b>Total Required Fire Flow (above) in L/s:</b>						<b>100</b>	
		<b>Required Duration of Fire Flow (hrs)</b>						<b>2.00</b>	
		<b>Required Volume of Fire Flow (m<sup>3</sup>)</b>						<b>720</b>	





## FUS Fire Flow Calculation

Calculations based on: "Water Supply for Public Fire Protection" by Fire Underwriters' Survey, 1999

Stantec Project #: 160410140  
 Project Name: Mahogany Phase 2  
 Date: January 31, 2017  
 Data input by: Valerie Hoang

Fire Flow Calculation #: 1  
 Building Type/Description/Name: School

Notes: School assumed to be approximately 4,500 sqft.

**Table A: Fire Underwriters Survey Determination of Required Fire Flow - Long Method**

Step	Task	Term	Options	Multiplier Associated with Option	Choose:	Value Used	Unit	Total Fire Flow (L/min)	
1	Choose Frame Used for Construction of Unit	Coefficient related to type of construction (C)	Framing Material						
			Wood Frame	1.5	Wood Frame	1.5	m		
			Ordinary construction	1					
			Non-combustible construction	0.8					
			Fire resistive construction (< 2 hrs)	0.7					
Fire resistive construction (> 2 hrs)	0.6								
2	Choose Type of Housing (if TH, Enter Number of Units Per TH Block)	Type of Housing	Floor Space Area						
			Single Family	1	Other (Comm, Ind, Apt etc.)	1	Units		
			Townhouse - indicate # of units	4					
			Other (Comm, Ind, Apt etc.)	1					
2.2	# of Storeys	Number of Floors/Storeys in the Unit (do not include basement):						1	1
3	Enter Ground Floor Area of One Unit	Average Floor Area (A) based total floor area of all floors (non-fire resistive construction):	4,500		418	Area in Square Meters (m <sup>2</sup> )			
			Square Feet (ft2)						
4	Obtain Required Fire Flow without Reductions	Required Fire Flow (without reductions or increases per FUS) ( $F = 220 * C * \sqrt{A}$ ) Round to nearest 1000L/min						7,000	
5	Apply Factors Affecting Burning	Reductions/Increases Due to Factors Affecting Burning							
5.1	Choose Combustibility of Building Contents	Occupancy content hazard reduction or surcharge	Non-combustible	-0.25	Limited combustible	-0.15	N/A	5,950	
			Limited combustible	-0.15					
			Combustible	0					
			Free burning	0.15					
			Rapid burning	0.25					
5.2	Choose Reduction Due to Presence of Sprinklers	Sprinkler reduction	Adequate Sprinkler conforms to NFPA13	-0.3	None	0	N/A	0	
			None	0					
		Water Supply Credit	Water supply is standard for sprinkler and fire dept. hose line	-0.1	Water supply is not standard or N/A	0	N/A	0	
			Water supply is not standard or N/A	0					
		Sprinkler Supervision Credit	Sprinkler system is fully supervised	-0.1	Sprinkler not fully supervised or N/A	0	N/A	0	
			Sprinkler not fully supervised or N/A	0					
5.3	Choose Separation Distance Between Units	Exposure Distance Between Units	North Side	10.1 to 20.0m	0.15	0.4	m	2,380	
			East Side	30.1 to 45.0m	0.05				
			South Side	10.1 to 20.0m	0.15				
			West Side	30.1 to 45.0m	0.05				
6	Obtain Required Fire Flow, Duration & Volume	<b>Total Required Fire Flow, rounded to nearest 1000 L/min, with max/min limits applied:</b>						<b>8,000</b>	
		<b>Total Required Fire Flow (above) in L/s:</b>						<b>133</b>	
		<b>Required Duration of Fire Flow (hrs)</b>						<b>2.00</b>	
		<b>Required Volume of Fire Flow (m<sup>3</sup>)</b>						<b>960</b>	





Minto Developments Inc.

**MAHOGANY COMMUNITY  
STORMWATER MANAGEMENT SERVICING REPORT**

---

14167-5.2.3  
DRAFT

JULY 2007



## 2.0 DESIGN CONSTRAINTS AND REGULATORY REQUIREMENTS

The regulatory requirements are related to water quantity and water quality and erosion control and are discussed for each watercourse independently in the following sections. There are, however, some regulatory requirements that apply to the entire study area. Each of the four watercourses is tributary to the Rideau River and as a result, water quality control for the proposed stormwater management facilities must meet the effluent target pertaining to E.coli bacteria established by the Ontario Ministry of the Environment<sup>6</sup>. According to the Assessment of Discharge Criteria for Stormwater Management Facilities on the Rideau River<sup>5</sup>, the stormwater quality control objectives for the Rideau River in the vicinity of the Village of Manotick, as determined by the Provincial Water Quality Objectives (PWQO), limit stormwater facility discharge during the recreational season (May 15–September 15) to a maximum allowable bacterial concentration of 100 counts of E.coli per dL. It should be noted that ‘it is permitted to exceed this target criterion an average of four times per recreational season, the typical frequency for a 25 mm rainfall event in the Ottawa region. All new or rehabilitated stormwater facilities are required to meet this stormwater quality objective.’

According to the MDP<sup>1</sup>, water quantity-runoff control is a desirable objective to mitigate the impact of the development on groundwater recharge. It is proposed that increases in the total runoff volume from the Mahogany Community be mitigated with BMP’s. Utilizing infiltration techniques, infiltrative BMP’s are proposed in the residential areas to encourage groundwater recharge rates on the site.

### 2.1 Unnamed Drain

The Unnamed Drain is tributary to the Rideau River and is therefore part of the Rideau River watershed. The drain is located on the east side of the study area, and outlets to Mahogany Harbour in the Rideau River, approximately 200 m downstream of the study area’s northern limit. The proposed stormwater management system for the Mahogany Community includes two end-of-pipe stormwater management facilities that discharge to the Unnamed Drain.

#### Water Quality Control

Water quality and erosion control are required on the Unnamed Drain. With respect to suspended solids, the proposed stormwater management facilities should be designed as standard off-line facilities treating water to an Enhanced Level of Protection (80% suspended solids removal as per the MOE Stormwater Management Planning and Design Manual, March 2003). The facilities must also meet the Provincial Water Quality Objectives for bacteria concentrations.

#### Water Quantity Control

It was determined from studies conducted for the lower Rideau River that stormwater management facilities tributary to the Rideau River do not require water quantity-peak flow control. Since the Unnamed Drain is located in the lower reaches of the Rideau River watershed, water quantity control to pre-development levels would result in an increase of peak flows and velocities downstream during flood events. A review of the hydraulic regime confirmed that relatively fast runoff from the development, retained in a stormwater management facility,

would be delayed and the urban peak flows would coincide with the peak flows in the river, causing adverse impacts downstream. It should be noted that the conclusions from these studies are drawn only upon the application of theoretical hydrologic principles and not on actual calculations.

## **2.2 Wilson Cowan Drain**

The Wilson Cowan Drain extends from the southern limit to the northern limit of the study area. The drain and its tributary form part of the Mud Creek subwatershed. The tributary flows east of the drain and begins south of the southern study area limit and flows into the drain at the northern limit. The proposed stormwater management system for the Mahogany Community includes one end-of-pipe stormwater management facility that discharges to the Wilson Cowan Drain.

### **Water Quality Control**

Water quality and erosion control are required on the Wilson Cowan Drain. The SDA<sup>3</sup> recommends that the proposed stormwater management facility be designed as a standard off-line facility treating water to an Enhanced Level of Protection (80% suspended solids removal as per the MOE Stormwater Management Planning and Design Manual, March 2003). The facilities must also meet the Provincial Water Quality Objectives for bacteria concentrations.

### **Water Quantity Control**

Subject to model calibration, water quantity control measures will be included in the design of the proposed stormwater management facility. Post-development peak flows from the facility will meet pre-development levels.

## **2.3 Mud Creek**

Mud Creek flows along the western limit of the study area and is part of the Rideau River watershed. The proposed stormwater management system for the Mahogany Community includes one end-of-pipe stormwater management facility that discharges to Mud Creek.

### **Water Quality Control**

Water quality and erosion control are required on Mud Creek. The SDA<sup>3</sup> recommends that the proposed stormwater management facility be designed as a standard off-line facility treating water to an Enhanced Level of Protection (80% suspended solids removal as per the MOE Stormwater Management Planning and Design Manual, March 2003). The facilities must also meet the Provincial Water Quality Objectives for bacteria concentrations.

### **Water Quantity Control**

The SDA<sup>3</sup> concluded that water quantity control measures are not recommended for the Mud Creek subwatershed. "It has been observed from previous studies that in such cases, quantity controls providing post to predevelopment flow attenuation for individual catchments may not be beneficial for the watershed as a whole. Such controls cause a delay in the peak of the hydrographs from these lower regions, so that they may

### 3.0 EXISTING CONDITIONS

The study area land use is predominantly agricultural. According to the Natural Resource Assessment<sup>4</sup>, the study area is approximately 5% old field meadow/scrubland, 20% treed, and 75% agricultural with no buildings or structures. There are four watercourses within the study area: Mud Creek; Wilson Cowan Drain and its tributary, which are tributaries to Mud Creek; and the Unnamed Drain, tributary to the Rideau River. The Unnamed Drain does not share any links with Mud Creek and Wilson Cowan Drain.

The existing conditions flow regime was examined to help in the assessment of the development on the natural drainage system. Existing conditions watershed delineation was based on topography (Figure 2). Surface runoff from the lands drains to the Rideau River, via the Wilson Cowan Drain and the Unnamed Drain, primarily via natural swales and man made ditches.

Hydrologic analysis of the existing conditions was conducted using the hydraulic/hydrologic model XPSWMM. Runoff simulations were conducted using the 25 mm 4 hour Chicago, 2, 5 and 100 year 24 hour SCS Type II storm event. The hydrologic parameters and results of the analysis are presented in the tables below and detailed XPSWMM output is included in Appendix D. Flow point locations are included in Figure 2.

**Table 1. Existing Conditions Hydrologic Parameters**

Watercourse	Drainage Area ID	Drainage Area (ha)	Time to Peak (h)
Unnamed Drain	1	73.8	0.71
	2	214.0	2.70
Wilson Cowan Drain Tributary	3	23.0	0.67
	4	4.0	0.41
	5	7.9	0.30
	6	1.8	0.16
	7	9.2	0.58
Wilson Cowan Drain	8	34.8	0.85
	9	245.0	2.69

**Table 2. Existing Conditions Flowrates**

Watercourse (Flow Point)	Flow (cms)			
	25 mm	2 year	5 year	100 year
Unnamed Drain (A)	0.72	1.76	2.69	6.03
Wilson Cowan Drain* (B)	0.82	1.88	2.90	6.37

\* at confluence with Wilson Cowan Drain Tributary

For consistency with other studies, the peak flows generated in XPSWMM were compared with a SWMHYMO simulation. The rural land use routine in SWMHYMO utilizes a combination of the Nash Unit Hydrograph Method and the SCS Rainfall Abstraction Method. Equivalent results were achieved by selecting the SCS Hydrology routine in XPSWMM. In this method, the shape of the former Nash Unit Hydrographs is emulated by the SCS Unit Hydrographs with a shape factor of 388. Results of the comparison are presented in Appendix A.

The 100 year water surface elevations for the four watercourses were evaluated in the ECR<sup>2</sup>. As part of the stormwater management servicing, the Wilson Cowan Drain and its tributary were re-evaluated using HEC-2. Surveyed cross-section data and flow data from the XPSWMM hydrologic analysis were used in the analysis. The 100 year water surface elevations for all four watercourses are presented in Figure 3. The results of the HEC-2 analysis for the Wilson Cowan Drain and its tributary are summarized in the below table and results for Mud Creek and the Unnamed Drain were developed for the ECR<sup>2</sup>.

**Table 3. Wilson Cowan Drain – HEC-2 100 year Water Surface Elevations**

Wilson Cowan Drain Tributary		Wilson Cowan Drain	
Cross-section	100 year WSE (m)	Cross-section	100 year WSE (m)
1000	87.41	2000	87.41
1153	88.05	2099	87.49
1269	88.33	2204	87.58
1373	88.50	2312	87.79
1473	88.90	2406	87.94
1534	89.04	2526	88.09
1586	89.05	2585	88.18
1706	89.05	2645	88.24
1809	89.09	2741	88.37
		2846	88.49
		2953	88.60

Meander belt widths were established for each of the four watercourses. "Meander belt width is defined as the lateral containment of a channel within its valley. The meander belt width is a tool for managing risk from river erosion and for protecting the long term integrity of the watercourse as it provides a measure of the area in which river processes occur and are likely to occur in the future."<sup>3</sup>

Meander belt widths for the four watercourses were developed using two techniques: empirical morphological relationships and a planform analysis using 1:2000 scale topographic mapping and aerial photographs. Information about channel form was taken from the geomorphological investigation completed for the City of Ottawa ("Mud Creek Subwatershed Existing Conditions – Final Draft," Parish Geomorph, April 2004<sup>7</sup>).

The established meander belt widths for the four watercourses are presented in Figure 4.



Table 4. Unnamed Drain Urban Drainage – Pond 1 Hydrologic Parameters

Drainage Area ID	Receiving MH	Drainage Area (ha)	Weighted IMP Ratio (%)	
			Total	Directly Connected
A1	1070	3.9	51	23
A2	1020	2.3	51	23
A3	1050	0.7	51	23
A4	1031	4.8	54	27
A5	1010	3.6	52	25
A6	1030	3.9	52	25
Total Area (ha) = 19.2			Weighted Imperviousness (%) = 52	

Table 5. Unnamed Drain Urban Drainage – Pond 2 Hydrologic Parameters

Drainage Area ID	Receiving MH	Drainage Area (ha)	Weighted IMP Ratio (%)	
			Total	Directly Connected
B1	2090	6.5	51	23
B2	2060	6.1	51	23
B3	2070	4.9	52	25
B4	2080	4.5	42	22
B5	2042	1.9	51	23
B6	2026	1.8	51	23
B7	2030	17.6	51	26
B8	2025	4.0	52	25
B9	2010	5.3	51	23
B10	2020	1.9	51	23
Total Area (ha) = 54.5			Weighted Imperviousness (%) = 50	

Table 6. Unnamed Drain Rural Drainage – Hydrologic Parameters

Drainage Area ID	Drainage Area (ha)	Tp (h)
2	214.0	2.70
10	7.5	0.15
Total Area (ha) = 221.5		

**Table 7. Wilson Cowan Drain Urban Drainage – Pond 3 Hydrologic Parameters**

Drainage Area ID	Receiving MH	Drainage Area (ha)	Weighted IMP Ratio (%)	
			Total	Directly Connected
C1	3060	4.8	51	23
C2	3050	4.1	54	43
C3	3040	7.5	51	23
C4	3010	6.3	51	23
<b>Total Area (ha) = 22.7</b>			<b>Weighted Imperviousness (%) = 52</b>	

**Table 8. Wilson Cowan Drain Rural Drainage – Hydrologic Parameters**

Drainage Area ID	Drainage Area (ha)	Tp (h)
7	9.2	0.58
6	1.8	0.16
11	16.2	0.60
12	3.2	0.60
9	245.0	2.69
13	3.3	0.15
14	8.3	0.15
15	2.4	0.15
<b>Total Area (ha) = 289.4</b>		

**Table 9. Mud Creek Urban Drainage – Pond 4 Hydrologic Parameters**

Drainage Area ID	Receiving MH	Drainage Area (ha)	Weighted IMP Ratio (%)	
			Total	Directly Connected
D1	4043	3.8	43	20
D2	4090	4.7	35	18
D3	4042	5.7	47	22
D4	4043	0.8	51	23
D5	4060	1.8	51	23
D6	4060	5.9	53	29
D7	4030	7.9	45	24
D8	4090	1.9	51	23
D9	4070	12.3	51	23
D10	4010	4.0	54	40
<b>Total Area (ha) = 48.8</b>			<b>Weighted Imperviousness (%) = 48</b>	

### 5.1.4 Overall Performance of the Stormwater Management System

The overall performance of the stormwater management system is summarized in the below tables.

**Table 14. Unnamed Drain – Post-Development Flowrates**

Location	Flow (cms) (Existing Conditions)			
	25 mm	2 year	5 year	100 year
Pond 1 Outflow	0.06	0.07	0.07	0.07
Pond 2 Outflow	0.31	0.37	0.41	0.45
Flow Point A	0.86 (0.72)	1.79 (1.76)	3.38 (2.69)	7.24 (6.03)

**Table 15. Wilson Cowan Drain – Post-Development Flowrates**

Location	Flow (cms) (Existing Conditions)			
	25 mm	2 year	5 year	100 year
Pond 3 Outflow	0.33	0.55	0.71	0.74
Flow Point B	0.80 (0.82)	1.80 (1.88)	2.75 (2.90)	6.09 (6.37)

**Table 16. Mud Creek – Post-Development Flowrates**

Location	Flow (cms)			
	25 mm	2 year	5 year	100 year
Pond 4 Outflow	0.79	1.29	1.70	2.01

With respect to pollutant loading, the overall impact of stormwater management facilities on Rideau River water quality was investigated by Baird and Associates in "Assessment of Discharge Criteria for Stormwater Management Facilities on the Rideau River<sup>5</sup>," January 2000. The report examined acceptable target discharge criteria for bacterial concentration from proposed stormwater management facilities with respect to mixing zones and bacteria die-off reaching the Rideau River. According to this study, facilities achieving treatment of 200 counts of E.coli/dL are acceptable. Consideration was given to the design of a passive stormwater management facility providing quality treatment as opposed to active disinfection.

Due to the above, it should be noted that the permanent storage was oversized, to ensure future flexibility in design. The permanent storage can be adjusted during detailed design. In addition, the extended storage was oversized to provide downstream erosion protection (refer to Section 5.4). During detailed design, water quality storage can be adjusted using either the XPSWMM or QUALHYMO model.

#### **5.4 Erosion Control Analysis**

Natural channel systems exist in a state of dynamic equilibrium where erosion and sedimentation processes work in tandem to maintain overall channel stability. Over the long term, watercourses can undergo changes in position and shape as a consequence of hydraulic forces acting on the bed and banks and related biological forces (i.e. roots, tree falls) interacting with the hydraulic forces. Channel adjustments may be slow or rapid and can result from human activity in watersheds. It is important to be able to predict the potential changes, resulting from a planned activity, to a watercourse regime.

One of the most obvious results of human influence on watercourses is accelerated rates of erosion or deposition. Disruption of the natural flow and/or sediment regimes of a system is most often the catalyst for excessive erosion or deposition as the system tries to adjust to the new conditions. Rate and type of erosion or deposition is dependent on the interrelationship between erosive and resistive forces of flow and sediment. Consideration of potential deposition is an integral part of the erosion process because excess deposition can change flow patterns which can increase shear stresses in previously stable portions of the watercourse.

Stormwater management facilities are examples of outside perturbances which could potentially have impacts on the amount of erosion or deposition occurring within the system. The purpose of the erosion analysis for each of the four watercourses was to investigate potential changes in instream erosion potential as a result of the urbanization and to evaluate the performance of the proposed stormwater management facilities.

Although many factors influence the rate of sediment transport in a channel the basic control can be summarized by the relationship between the erosive (velocity) and the resistive (gravity and cohesion) forces of the system. The general controlling principle, however, is that when the drag force (erosive force) exerted on sediment, at a bed or bank, is less than some critical value (related to resistive forces), the material remains motionless. When, however, the shear stress (which is the same as drag force) over the bed or bank attains or exceeds the critical shear stress value for the bed or bank material, particle motion begins. Critical shear stress ( $\tau_c$ ) is intrinsic to sediment type and critical velocity in the stream.

The resistance of sediment to erosion is dependent on the nature of the sediment. For non-cohesive sediment (granular material such as sand) the ability to resist movement is dependent on the weight, size and shape and packing of the material. For cohesive material (e.g. clay) the resistance to erosion is governed more by bonding strengths (via electrostatic or van der Waal's forces) between individual soil particles. The strength of these bonds depends on soil characteristics such as: ionic charge, presence of electrolytes, mineralogy, temperature, pH, and porewater chemistry.

The banks of the four watercourses are comprised of silty clay soils. The bank material can be potentially more easily eroded than that of the bed. Resistive ability of the channel material to erosion can be used to assess potential future erodibility of the system as a result of changes in flow regime. The critical velocity was evaluated in "Mud Creek Subwatershed Existing Conditions – Final Draft," Parish Geomorphoc, April 2004, in which it was concluded that the critical velocity reaches 0.7 m/s.

Erosion control analysis was conducted with the dynamic model XPSWMM with the 25 mm 4 hour Chicago storm event under existing and post-development conditions. The flow generated by this storm even is commonly considered to correspond to bankfull conditions. This approach is consistent with the MOE manual suggesting the use of this short-duration storm, regardless of land use, to evaluate erosion and water quality. The precipitation intensities were based on those set forth by the City of Ottawa Sewer Design Guidelines, November 2004. The results are presented below and the comparison hydrographs are presented in Appendix C.

**Table 21. Unnamed Drain (Flow Point A) – Erosion Control Analysis**

Location	Velocity (m/s)
Existing Conditions	0.54
Post-Development	0.54

**Table 22. Wilson Cowan Drain (Flow Point B) – Erosion Control Analysis**

Location	Velocity (m/s)
Existing Conditions	0.52
Post-Development	0.51

In order to achieve existing conditions velocities, the extended storage for Ponds 1, 2 and 3 was significantly oversized (refer to Section 5.3). The evaluation of Mud Creek's critical velocity is out of the scope of this project. Therefore, the outlet conditions were approximated based on the rationale of the other three ponds by oversizing the extended storage.

In conclusion, during the detailed design stage, the extended storage release flow rates and the size of the proposed facilities can be adjusted using a continuous shear stress modeling methodology.

The shape and the depths of the permanent pool should be selected to create transitional shallow water surfaces adjacent to the sediment forebay to disperse the main flow trajectory during treatment. These shallow water surfaces will play an important role in the ecology of the pond. The biological systems that occur naturally in shallow waters provide a breeding ground for micro-organisms and provide habitat for littoral vegetation such as cattails, bulrushes and other species. The soft, gently sloped edges of the pond will create an appealing transition to the adjacent area.

The main portion of the wet pond could resemble a manicured and landscaped urban lake with a continuous open water surface.

Water will be released from the stormwater management pond into a chamber, in which the permanent water level is controlled by the invert of the outlet pipe. The outlet structure will be provided with a sluice gate at the bottom to drain the pond during maintenance. Once in the chamber, water will rise to the permanent water level and the flow will be conveyed via an adequate flow control device to the receiving watercourse. At this conceptual level of detail, to evaluate the functionality of the facility vertical alignment, the outlet structure was simulated with the help of an equivalent pipe and weir. In other words, the specific configuration of the outlet structure must be designed during the detailed design stage.

Anticipated cross-sections are presented in Figures 8-11 and stage-storage for each facility is summarized in the below tables.

**Table 24. Stage-Storage**

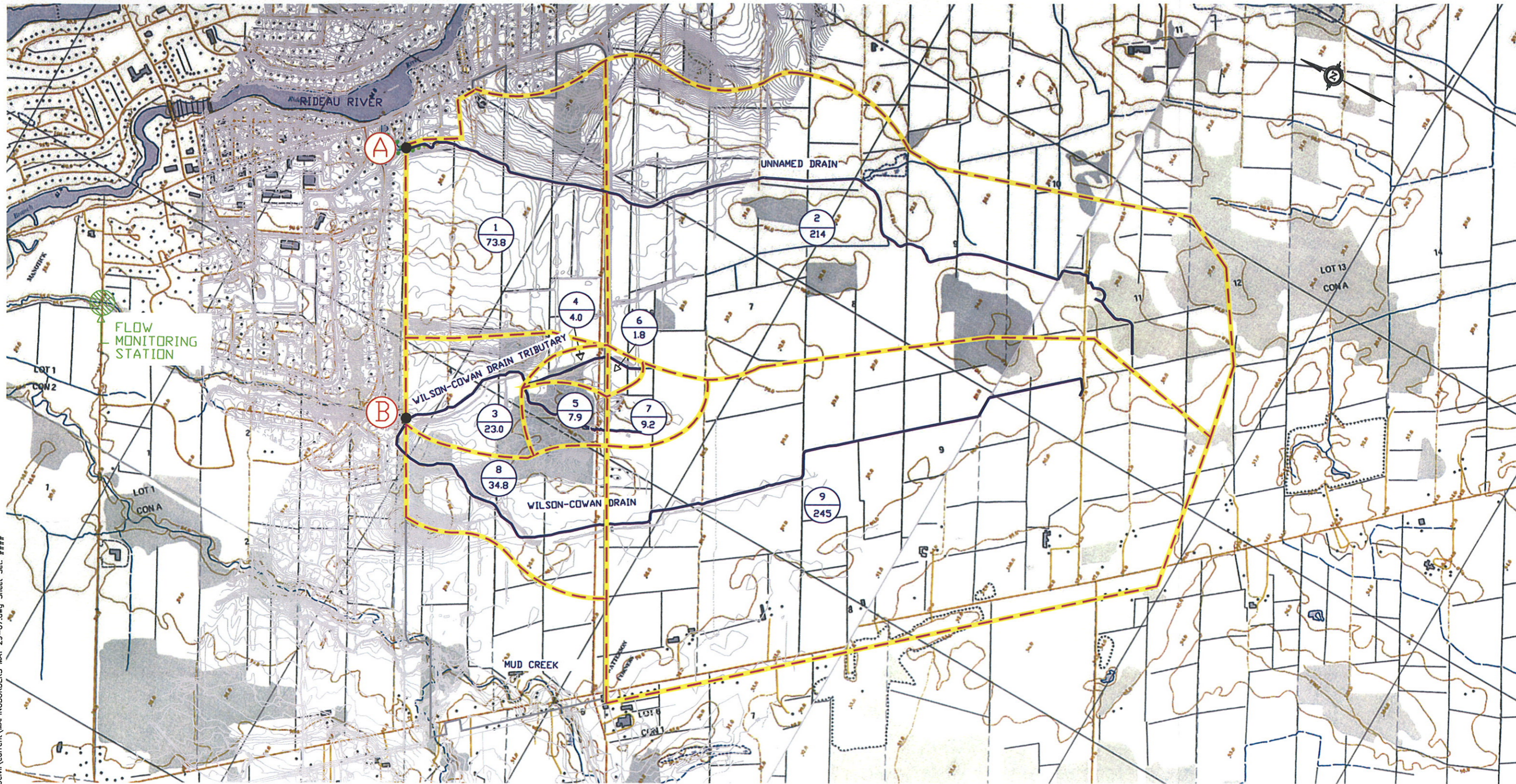
	Permanent		25 mm		100 year	
	Water Level (m)	Storage (m <sup>3</sup> )	Water Level (m)	Storage (m <sup>3</sup> )	Water Level (m)	Storage (m <sup>3</sup> )
<b>Pond 1</b>	86.85	3050	87.60	1475	87.90	695
<b>Pond 2</b>	85.50	8000	86.20	3813	86.67	2731
<b>Pond 3</b>	86.46	3850	86.90	1206	87.34	1755
<b>Pond 4</b>	85.83	6950	86.40	2480	86.89	2623

**6.2 Hydraulic Grade Line Analysis**

In order to determine the feasibility of the stormwater management facility in relation to the development, the hydraulic grade line (HGL) was analyzed using a dynamic model. Initial analysis indicated that the trunk system can be designed with no surcharge due to sufficient overall site gradient.

The dynamic HGL analysis for Mahogany Community was modeled using the hydraulic layer of XPSWMM and the 25 mm 4 hour Chicago and the 2, 5 and 100 year SCS Type II storms. The hydrographs created in the runoff





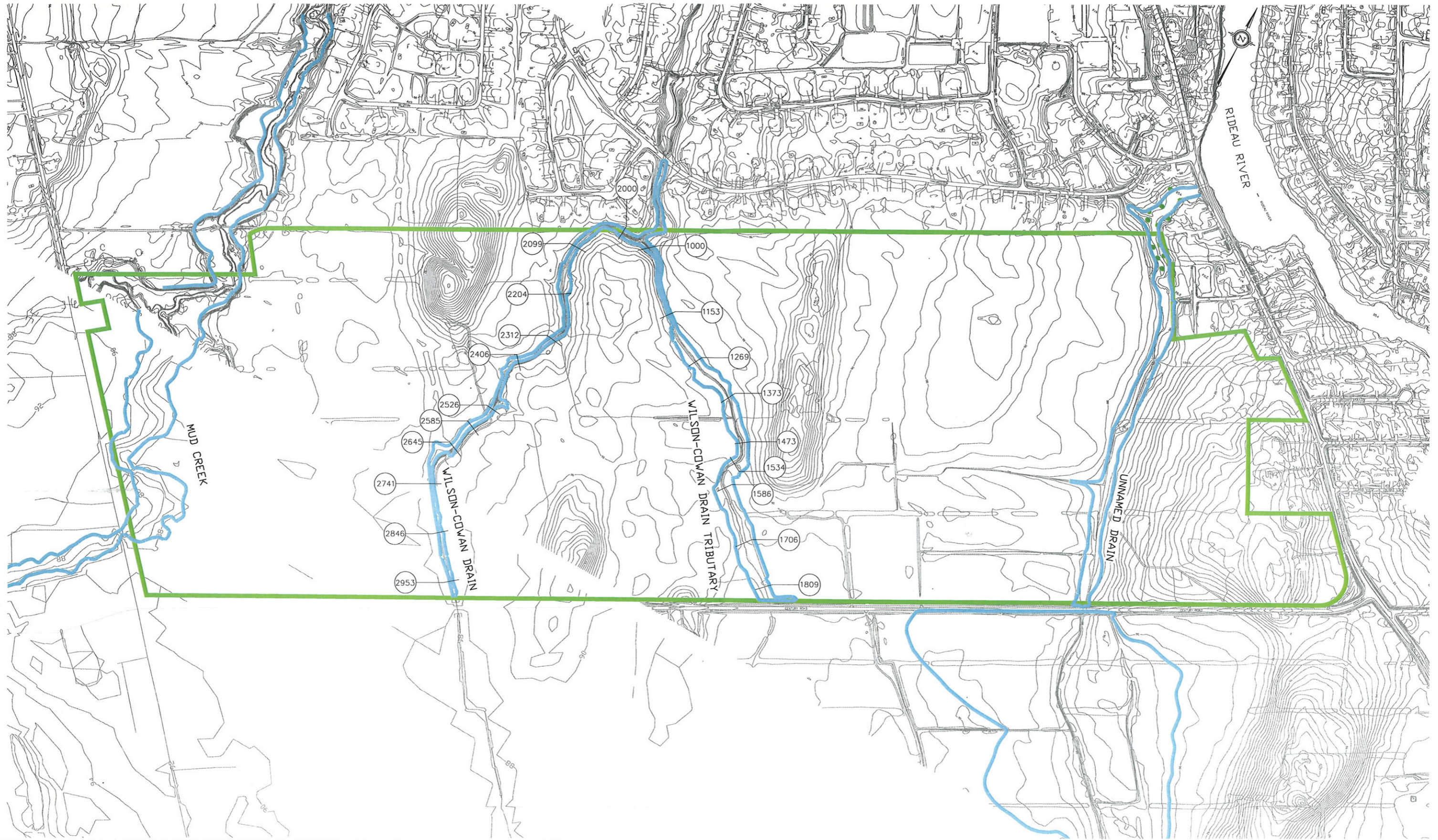
J:\14167\5.9 Drawings\59civil\current\MAPINGBORDERS MAY 29-07.dwg Sheet Set: ###

Plot Style: AIA STANDARD COLOR-FULL.CTB Plot Scale: 0.0394:1 Plotted At: Jul. 17, 07 8:54 AM Printed By: BEAUCHEMIN, MICHEL Lost Saved By: MBEAUCHEMIN Lost Saved At: Jul. 16, 07

**LEGEND**  
 (9 / 245) → AREA ID  
 (9 / 245) → AREA (ha)  
 ● → FLOW POINT



J:\14167\5.9 Drawings\59\civil\current\MANOTICKFIGUREXX.dwg Layout Name: 100 YEAR



Plot Style: ----- Plot Scale: 1:1 Plotted At: Jul. 17, 07 1:40 PM Printed By: BEACHEMIN, MICHEL Last Saved By: ----- Last Saved At: Jul. 17, 07



Scale

1:7500

Project Title

MAHOGANY COMMUNITY

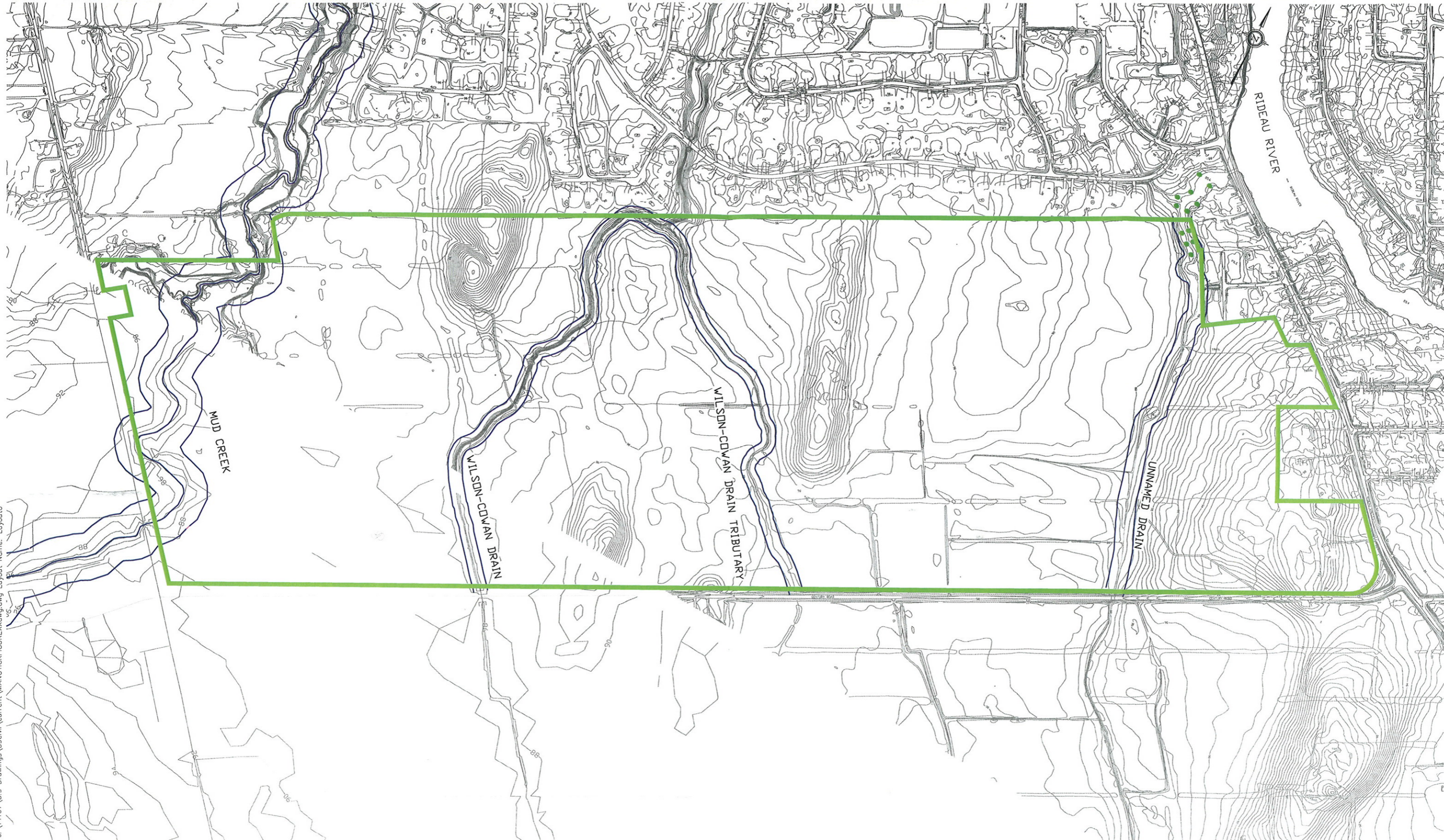
Drawing Title

100 YEAR WATER SURFACE ELEVATIONS

Sheet No.

FIGURE 3



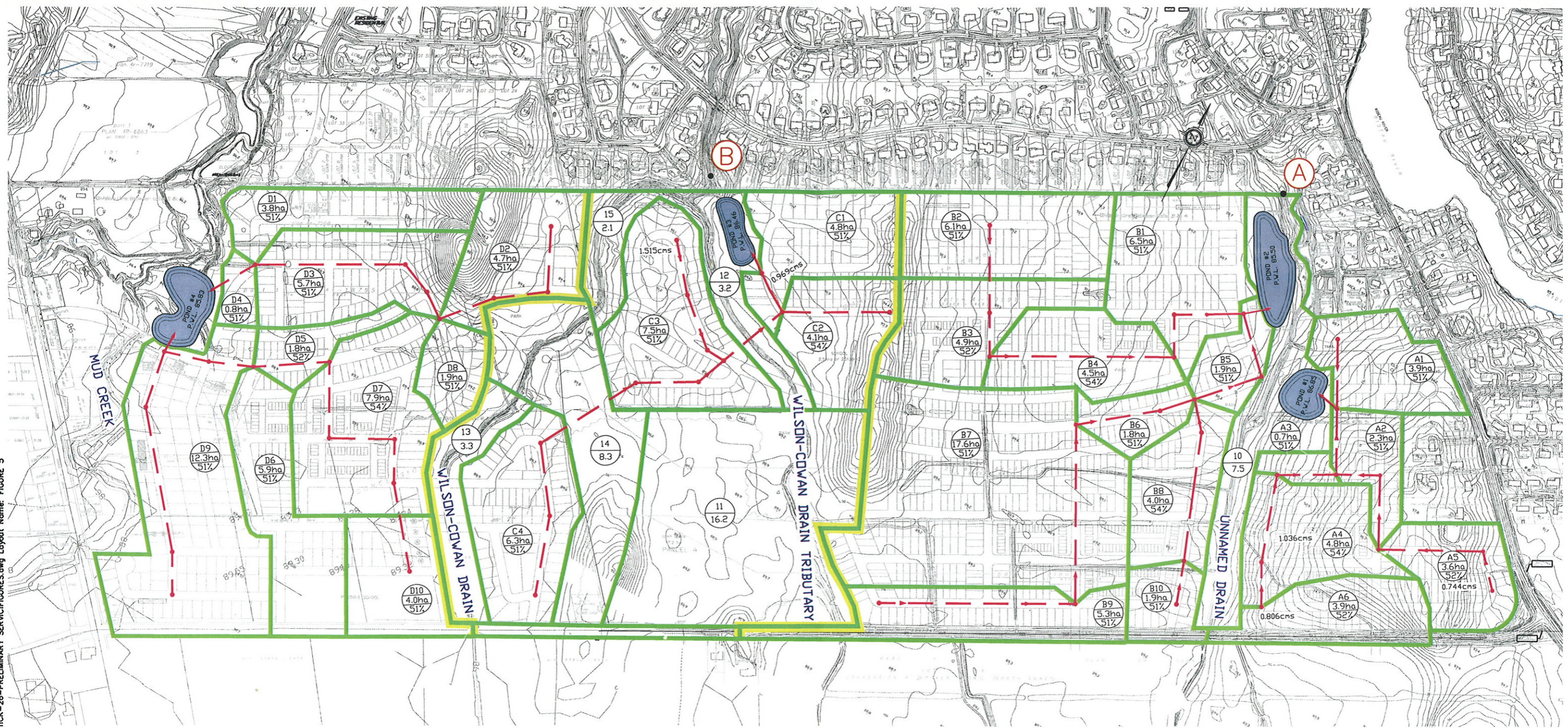


J:\14167\5.9 Drawings\59\Civil\current\MANOTICKFIGUREXX.dwg Layout Name: Layout16

Plot Style: ----- Plot Scale: 1:1 Plotted At: Jul. 17, 07 1:40 PM Printed By: BEAUCHEMIN, MICHEL Last Saved By: ----- Last Saved At: Jul. 17, 07



J:\14167\5.9 Drawings\59\civil\current\MANOTICK-26-PRELIMINARY SERVICEFIGURES.dwg Layout Name: FIGURE 5



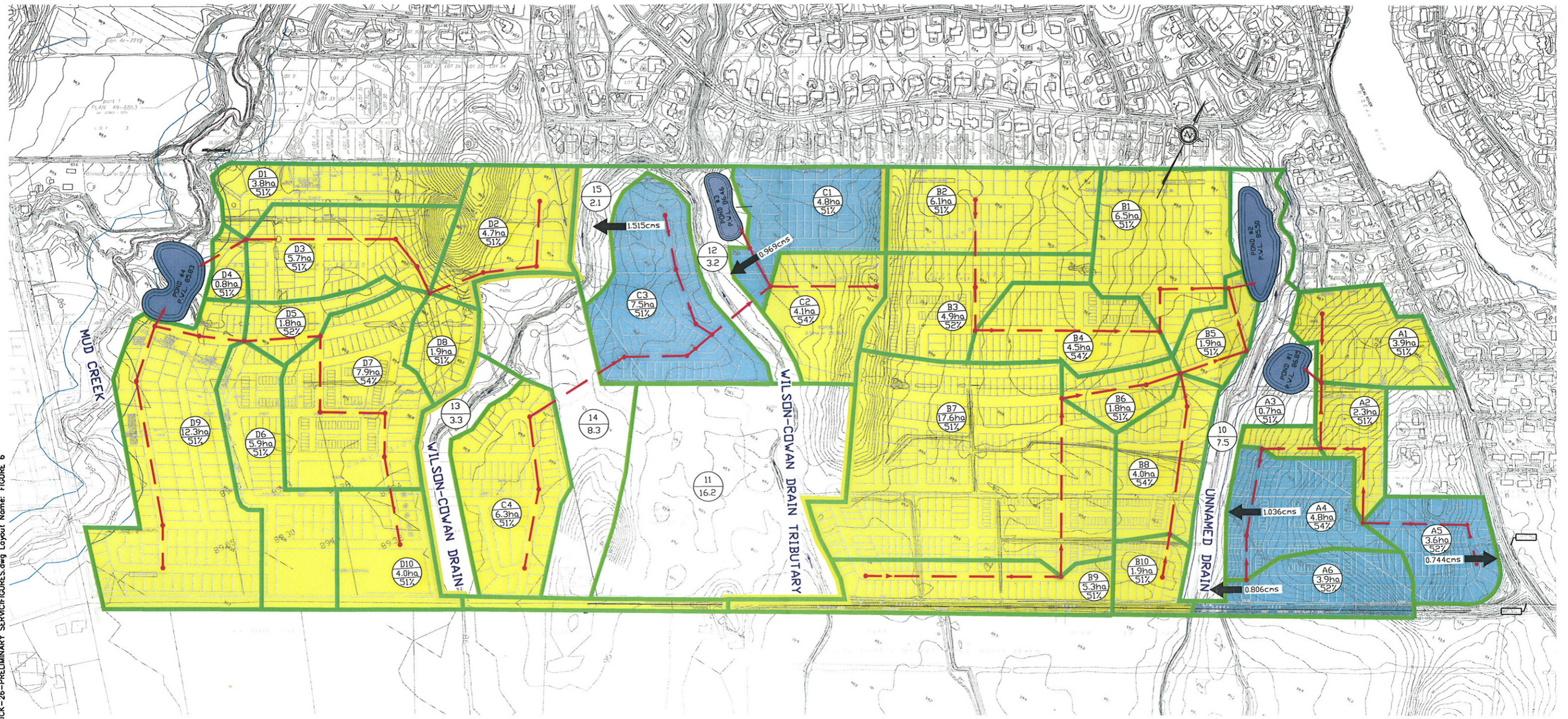
**LEGEND**

- MANHOLE
- STORM SEWER
- SUB-CATCHMENT DRAINAGE BOUNDARIES
- CATCHMENT DRAINAGE BOUNDARIES
- AREA ID (URBAN)  
→ AREA (ha)  
→ IMP%
- AREA ID (RURAL)  
→ AREA (ha)
- FLOW POINT

Plot Style: ---- Plot Scale: 1:1 Plotted At: Jul. 17, 07 2:38 PM Printed By: BEAUCHEMIN, MICHEL Lost Saved By: ---- Lost Saved At: Jul. 17, 07



J:\14167\5.9 Drawings\59civil\current\MANOTICK-26-PRELIMINARY SERVICEFIGURES.dwg Layout Name: FIGURE 6



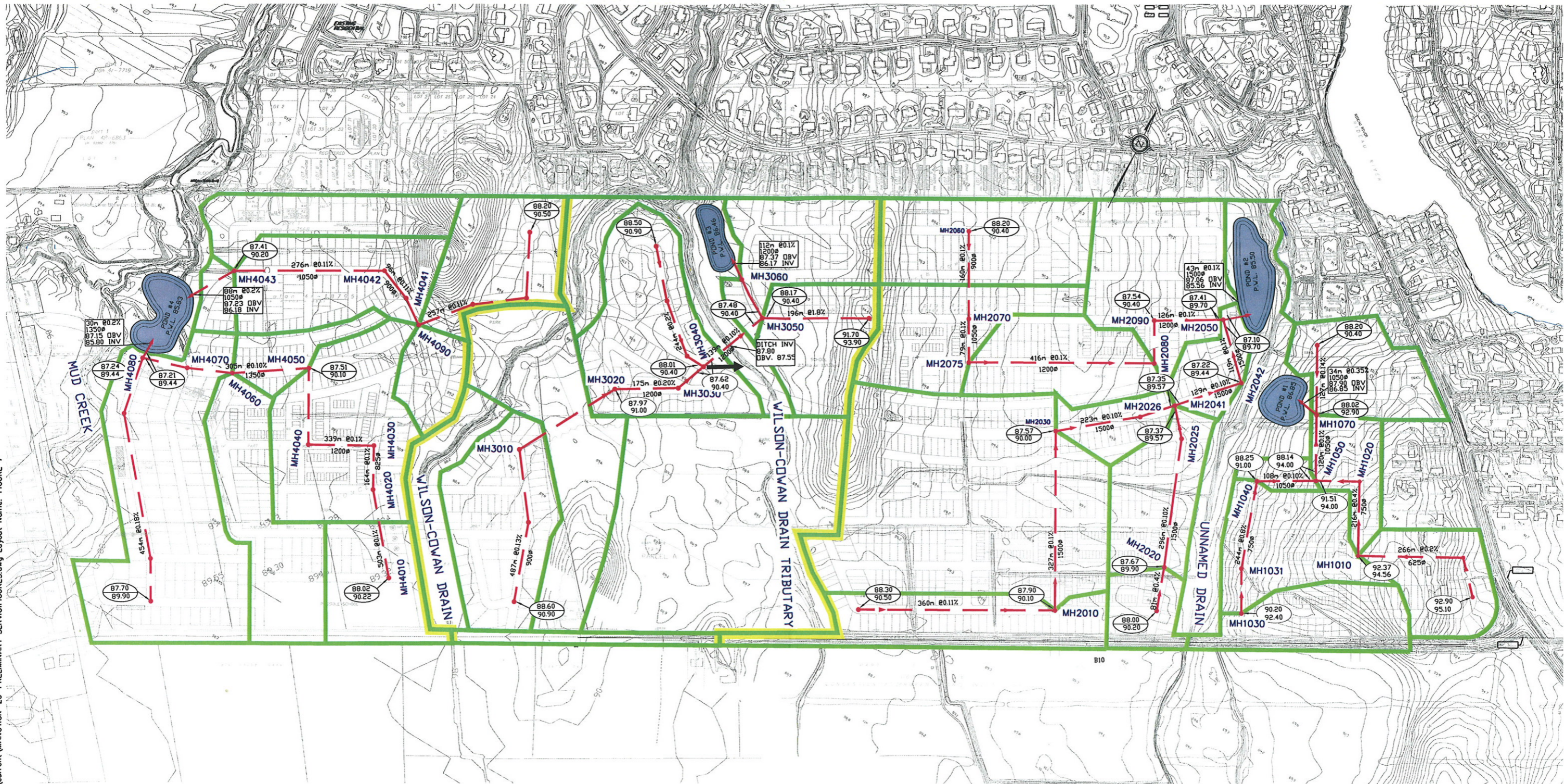
- LEGEND**
- MANHOLE
  - STORM SEWER
  - DRAINAGE BOUNDARIES
  - ⊙ AREA ID (URBAN)
  - ⊙ AREA (ha)
  - ⊙ IMP%
  - MODELED WITH ON-SITE DETENTION
  - MODELED WITH DIRECT CONVEYANCE
  - ➔ OVERLAND FLOW

Plot Style: ---- Plot Scale: 1:1 Plotted At: Jul. 17, 07 1:25 PM Printed By: BEAUCHEMIN, MICHEL Lost Saved By: ---- Lost Saved At: Jul. 17, 07



J:\14167\3.9 Drawings\99civil\current\MANOTICK-26-PRELIMINARY SERVICE\FIGURES.dwg Layout Name: FIGURE 7

Plot Style: ---- Plot Scale: 1:1 Plotted At: Jul. 17, 07 1:05 PM Printed By: BEAUCHEMIN, MICHEL Last Saved By: ---- Last Saved At: Jul. 17, 07



NOTE: SEWER SIZES ARE INDICATED ON SIMULATED SECTIONS ONLY

- LEGEND**
- MANHOLE
  - STORM SEWER
  - SUB-CATCHMENT DRAINAGE BOUNDARIES
  - CATCHMENT DRAINAGE BOUNDARIES
  - MINOR SYSTEM OVERFLOW
  - TOP OF SEWER
  - FINISHED GRADE



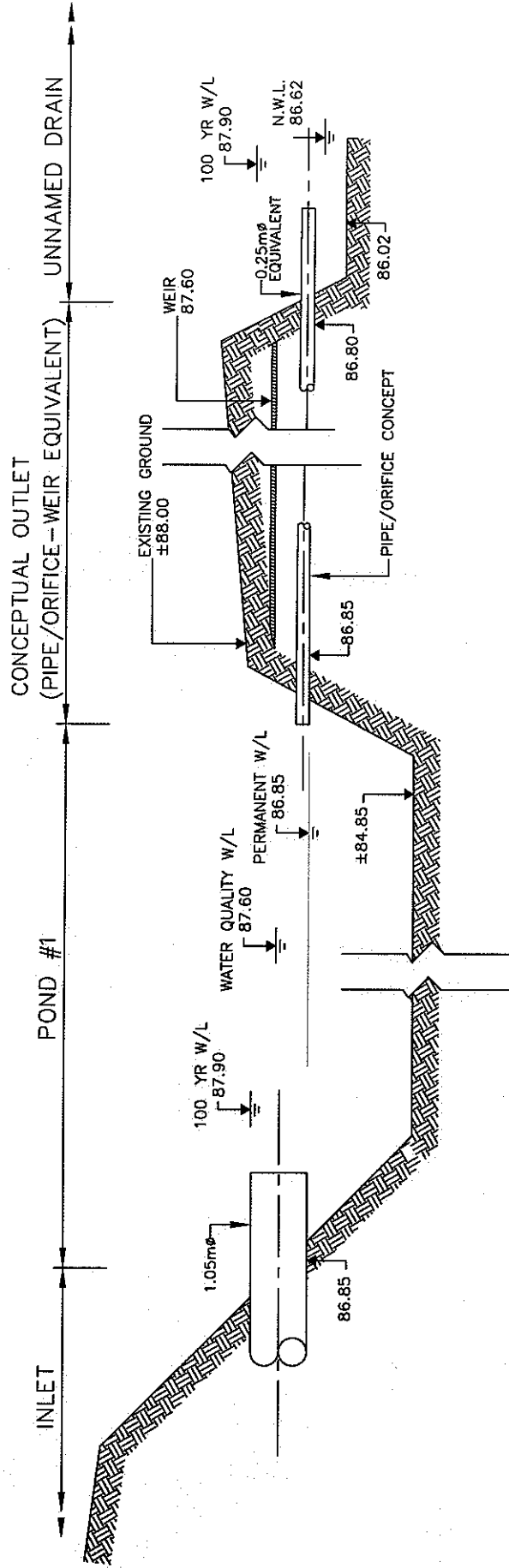
Scale  
1:7000

Project Title  
**MAHOGANY COMMUNITY**

Drawing Title  
**CONCEPTUAL STORMWATER MANAGEMENT SERVICING**

Sheet No.  
**FIGURE 7**





J:\14167\159 Drawings\59civ\current\MANOTIC\FIGURE\KXDwg.dwg Layout Name: FIGURE 8

Plot Style: ----- Plot Scale: 1:1 Plotted At: Jul. 25, 07 7:34 AM Printed By: BEAUCHEMIN, MICHEL Last Saved At: Jul. 18, 07

Scale

Project Title

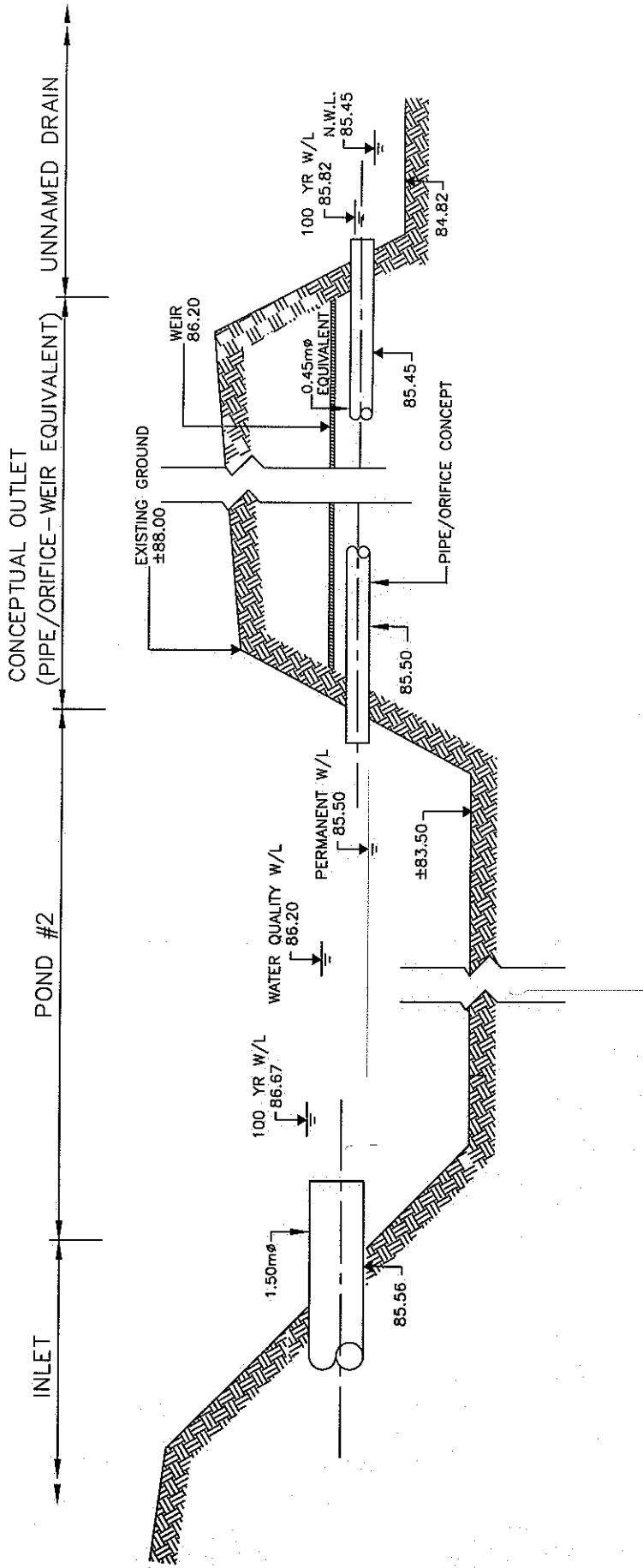
Drawing Title

Sheet No.



MAHOGANY COMMUNITY CONCEPTUAL PROFILE POND 1 FIGURE 8

N.T.S.



2:\14167\59 Drawings\39civ\39civ\current\MANOTICK\FIGURE\kxkx.dwg Layout Name: FIGURE 9

Plot Style: ----- Plot Scale: 1:1 Plotted At: Jul. 25. 07 7:34 AM Printed By: BEAUCHEMIN, MICHEL Last Saved By: ----- Last Saved At: Jul. 18. 07

Scale

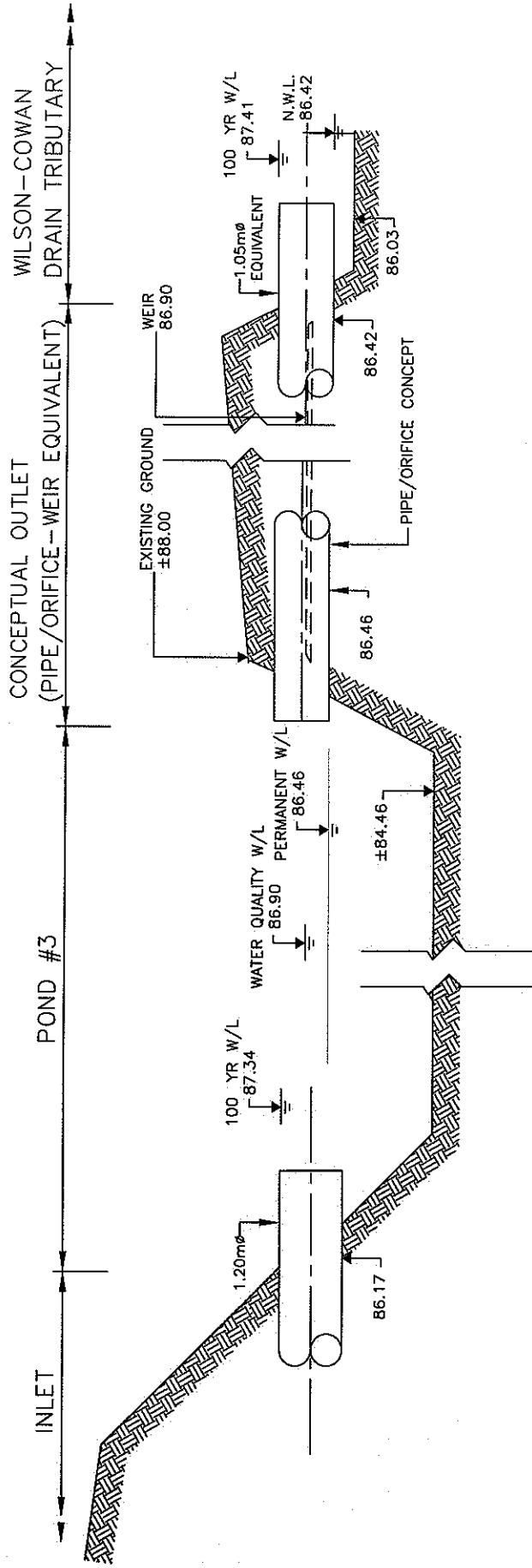
Project Title

Drawing Title

Sheet No.



MAHOGANY COMMUNITY CONCEPTUAL PROFILE POND 2 FIGURE 9  
N.T.S.



J:\14167\39 Drawings\39ch\current\MAHOGANYCOMMUNITY\MAHOGANYCOMMUNITY.dwg Layout Name: FIGURE 10

Plot Style: ----- Plot Scale: 1:1 Plotted At: Jul. 25, 07 7:35 AM Printed By: BEAUCHEMIN, MICHEL Last Saved At: Jul. 18, 07

Scale

Project Title

Drawing Title

Sheet No.

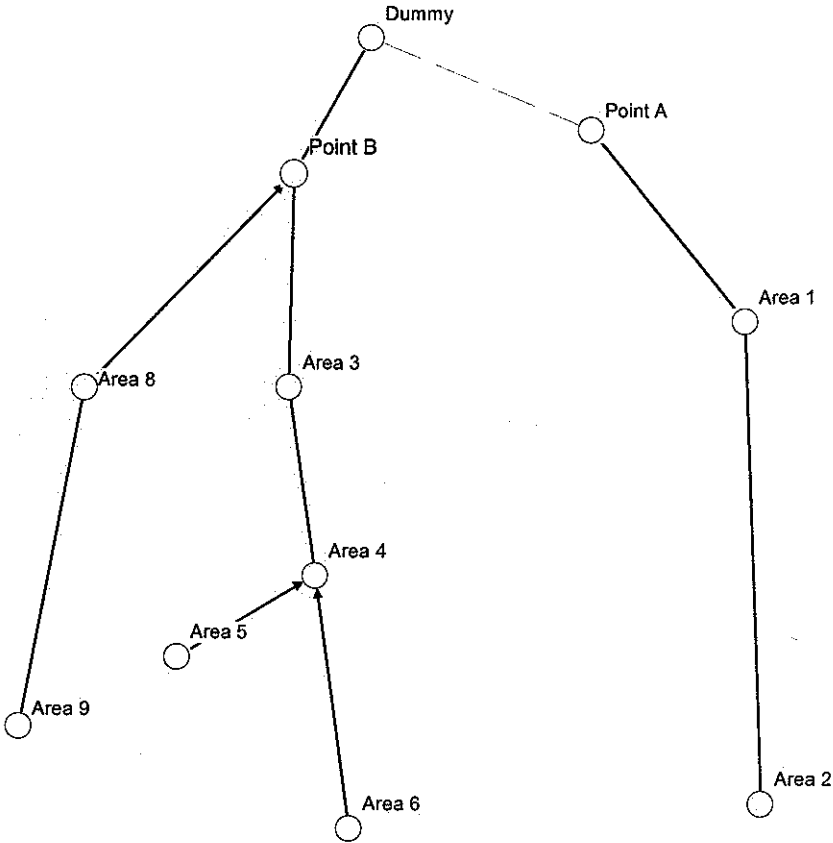


MAHOGANY COMMUNITY CONCEPTUAL PROFILE POND 3 FIGURE 10  
N.T.S.

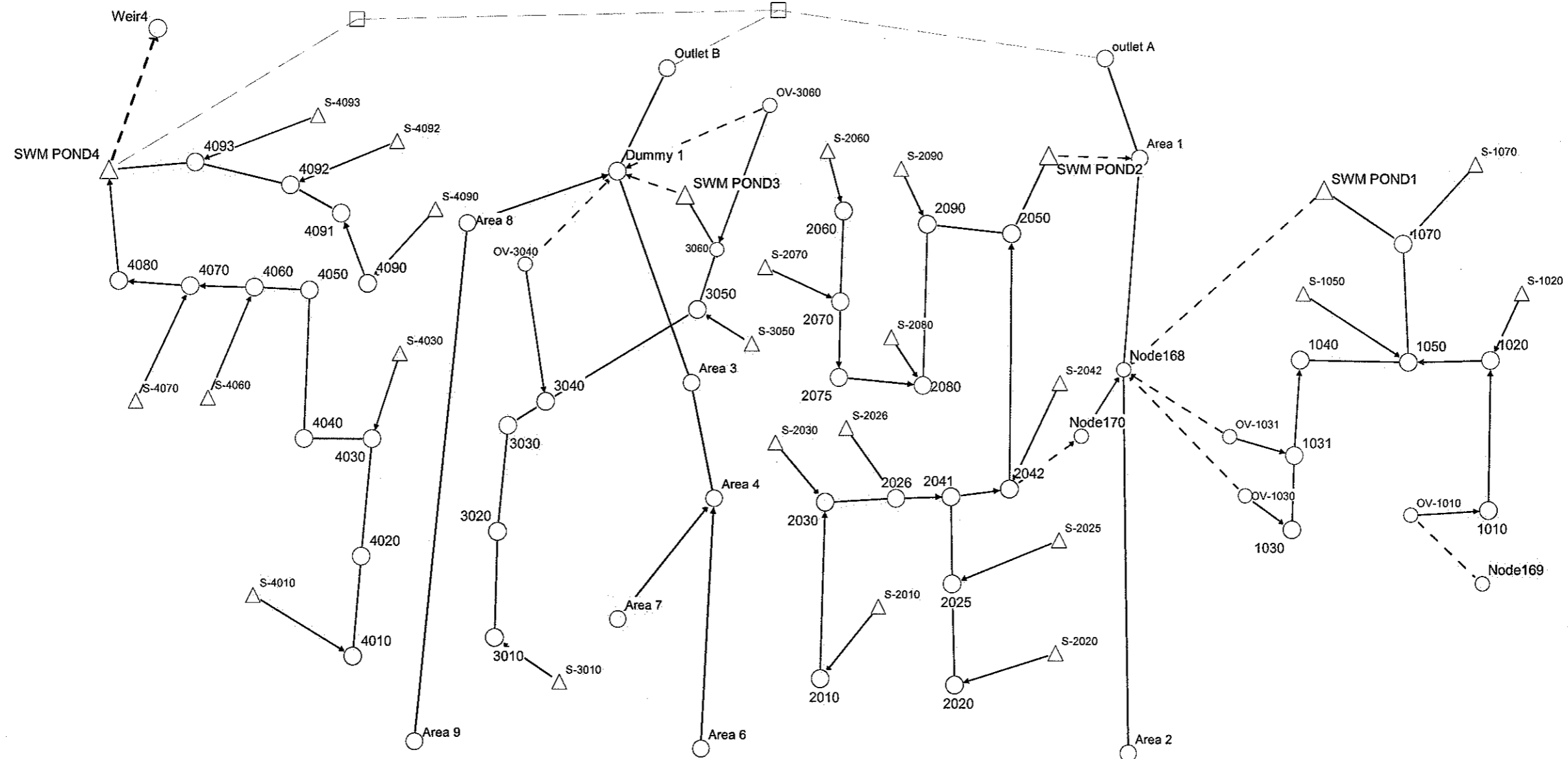


**APPENDIX D**  
XPSWMM Output

# EXISTING CONDITION XPSWMM SCHEMATIC



# POST DEVELOPMENT XPSWMM SCHEMATIC





Minto Communities Inc.

## APPENDIX 7

### MAHOGANY COMMUNITY PHASE 1 STORMWATER MANAGEMENT SERVICING

---

14167-5.3.1.5

MAY 2012





**IBI Group**  
400-333 Preston Street  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
fax 613 225 9868

May 7, 2012

14167-5.3.1.5

Mr. Kevin Hall  
City of Ottawa  
110 Laurier Ave. W.  
Ottawa ON K1P 1J1

Dear Mr. Hall:

**MAHOGANY COMMUNITY PHASE 1  
STORMWATER MANAGEMENT SERVICING**

We are pleased to submit, for your review and approval, the stormwater management servicing report for the above-noted project. The report has been revised based on City comment.

This study presents the dual drainage design of Phase 1 of the Mahogany Community and comprises Appendix 7 of EXP's "Infrastructure Servicing Brief, Phase 1." The storm servicing includes water quality treatment with Vortechs<sup>®</sup> stormwater treatment units. The Vortechs<sup>®</sup> units are designed to operate off-line and do not impact the hydraulic grade line in the upstream storm sewers.

We trust this report is satisfactory. Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

Peter Spal, P.Eng.  
Associate Director

Meghan Black, P.Eng.

cc. Sue Johns, Minto Communities Inc.  
Angela Jonkman, EXP

# TABLE OF CONTENTS

<b>1.</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Study Objectives .....	1
1.2	Synopsis of Previous Studies .....	1
<b>2.</b>	<b>DESIGN CONSTRAINTS AND REGULATORY REQUIREMENTS.....</b>	<b>3</b>
2.1	Water Quantity Control .....	3
2.2	Water Quality and Erosion Control .....	3
<b>3.</b>	<b>HYDROLOGICAL MODELING PARAMETERS.....</b>	<b>4</b>
3.1.1	Land Use .....	4
3.1.2	Storms.....	4
3.1.3	Drainage Area Parameters.....	5
<b>4.</b>	<b>WATER QUANTITY ANALYSIS – PEAK FLOWS.....</b>	<b>8</b>
4.1	Comparison of Peak Flows .....	8
4.2	Dual Drainage Design .....	8
4.3	Hydraulic Grade Line Analysis.....	15
<b>5.</b>	<b>WATER QUANTITY ANALYSIS – RUNOFF VOLUME .....</b>	<b>22</b>
<b>6.</b>	<b>WATER QUALITY CONTROL.....</b>	<b>23</b>
<b>7.</b>	<b>MAINTENANCE AND MONITORING.....</b>	<b>25</b>
7.1	Routine Maintenance .....	25
7.2	Sediment Removal and Disposal .....	25
7.3	Water Quality Monitoring.....	25
<b>8.</b>	<b>EROSION AND SEDIMENTATION CONTROL PLAN.....</b>	<b>26</b>
<b>9.</b>	<b>CONCLUSIONS AND RECOMMENDATIONS.....</b>	<b>27</b>
<b>10.</b>	<b>REFERENCES .....</b>	<b>29</b>
<b>APPENDIX 7A</b>	Relevant Calculations and Model Parameters, Rational Method Spreadsheet (EXP), Revised Rational Method Spreadsheet	
<b>APPENDIX 7B</b>	Vortechs® Units Manufacturer Information	
<b>APPENDIX 7C</b>	SWMHYMO Schematic	
<b>APPENDIX 7D</b>	XPSWMM Schematic and Model Files (CD)	

## 1. INTRODUCTION

### 1.1 Study Objectives

Minto Communities Inc. (Minto) retained IBI Group to prepare the stormwater management servicing plan for the Mahogany Community in Manotick. The subject lands are located in a quadrant bounded by Mud Creek to the west, Manotick Main Street to the east, Century Road to the south, and Potter Drive to the north. The proposed Mahogany Community measures approximately 150 ha and is comprised of low and medium density residential development, as well as school and park areas. In 2007, IBI Group prepared the stormwater management servicing plans for the subject lands, which are presented in the "Mahogany Community Stormwater Management Servicing Report". The first phase of the Mahogany Community measures 19 ha and is located at the eastern portion of the site, east of the Unnamed Drain (refer to Figure 2).

Minto is presently proceeding with Phase 1 development. EXP was retained to complete the engineering design and IBI Group was retained to complete the stormwater management for Phase 1. This report comprises Appendix 7 of EXP's "Infrastructure Servicing Brief, Phase 1." The detailed design of the fish habitat enhancement of the Unnamed Drain will be documented in a separate study.

### 1.2 Synopsis of Previous Studies

The "Manotick Master Drainage Plan<sup>1</sup>," prepared by Robinson Consultants in 1996 addressed water quality requirements for future development. It included quantity and quality monitoring at various locations along Mud Creek, Baxter Drain, and Wilson Cowan Drain. The MDP presented hydrologic and hydraulic analyses, environmental investigations, and preliminary stormwater management recommendations.

In 2005, Marshall Macklin Monaghan & Water and Earth Science Associates prepared "Jock River Reach 2 and Mud Creek Subwatershed Study Existing Conditions Report (Draft)<sup>2</sup>." The ECR aims to develop integrated subwatershed plans based on ecosystem management principles that will provide guidance on how to best manage human activities that affect surface water, groundwater, and other valued resources. Phase 1 of the subwatershed study works included the collection of background information, the establishment of existing environmental conditions, and the identification of form, function and linkages of the natural system, and culminated in the ECR. Phase 2 of the works will identify a series of management plans, programs and policies to implement the recommendations of the subwatershed plan, including the completion of an Environmental Management Plan.

One component of the second phase of the subwatershed study works was completed in "Village of Manotick Environmental Management Plan Special Design Area Component<sup>3</sup>," Marshall Macklin Monaghan & Water and Earth Science Associates, June 2005. The SDA report provides a summary of recommendations related to environmental constraints and opportunities and stormwater management requirements applicable to the SDA lands, which are located at the southeast quadrant of First Line Road and Bankfield Road. Where appropriate, the recommendations were developed in the context of the anticipated overall Manotick EMP and subwatershed plan recommendations.

A “Natural Resource Assessment (Draft)<sup>4</sup>” was prepared by EcoTec Environmental Consultants Inc., June 2007. It provides information on the biophysical properties of the study area, the potential impacts that the proposed development may have on the properties and recommends mitigation/protection measures to lessen the impacts.

The “Mud Creek Subwatershed Existing Conditions – Final Draft<sup>5</sup>,” prepared by Parish Geomorphic, April 2004, was reviewed for fluvial geomorphological data related to the study area.

Minto retained IBI Group to prepare the stormwater management servicing plan for the Mahogany Community. Based on the conclusions and recommendations of the above-mentioned studies, IBI Group prepared the “Mahogany Community Stormwater Management Servicing Report<sup>6</sup>” in 2007. At that time, four end-of-pipe SWM facilities were proposed to service the Mahogany Community, with the recommendation to investigate at the detail design stage the opportunity to develop a more comprehensive stormwater solution that provides environmental benefits on a broader basis.

Building on the recommendation of 2007 SWM Servicing<sup>6</sup>, and following discussions with the Rideau Valley Conservation Authority (RVCA) and City of Ottawa, the Unnamed Drain and proposed Phase 1 development, in combination with the topographical relief of the land, provide an opportunity to construct multiple stormwater outlets along the drain, thereby enhancing the hydrological regime of the drain. Presently, the Unnamed Drain, located in an actively cultivated agricultural setting, is a poorly defined, heavily intermittent watercourse that experiences prolonged absences of base flow. The more frequent water supply to the Unnamed Drain increases the viability of overall drain enhancement with respect to net gain in fish habitat.

In January 2011, IBI prepared “Mahogany Community Phase 1 Stormwater Management and Fish Habitat Enhancement of the Unnamed Drain<sup>7</sup>,” which provided detail on the proposed comprehensive solution of stormwater management for Phase 1 and fish habitat enhancement to the Unnamed Drain.



## 2. DESIGN CONSTRAINTS AND REGULATORY REQUIREMENTS

### 2.1 Water Quantity Control

The Unnamed Drain is the recipient watercourse of Phase 1. Downstream of the development, the Unnamed Drain flows in a northeastern direction, ultimately discharging to the Rideau River approximately 200 m downstream (refer to Figure 1).

From a broad perspective, related to the lower Rideau River SWM strategy, it was determined from studies conducted for the lower Rideau River that stormwater management facilities tributary to the watercourse do not require water quantity-peak flow control. The Unnamed Drain is located in the lower reaches of the Rideau River watershed. Therefore, water quantity control to pre-development levels could result in an increase of peak flows and velocities downstream during flood events. A review of the hydraulic regime confirmed that relatively fast runoff from the development, retained in a stormwater management facility, would be delayed and the urban peak flows could coincide with the peak flows in the river, causing adverse impacts downstream. It should be noted that the conclusions from these studies are drawn only upon the application of theoretical hydrologic principles and not on actual calculations.

The 2005 SDA<sup>3</sup> examined whether or not water quantity control is required for the Unnamed Drain, as well as for the other tributaries of the SDA lands. The SDA<sup>3</sup> identified control points in the receiving streams and evaluated pre-development flows. Analysis was conducted regarding stormwater management requirements with respect to reducing flow at control points. From that perspective, water quantity control was recommended for the Unnamed Drain to meet pre-development flow at the control point. For the other tributaries, including Mud Creek, quantity control was not considered desirable due to a net increase in flow at control points.

With respect to water quantity-runoff control, it is a desirable objective to mitigate the impact of the development on groundwater recharge according to the MDP<sup>3</sup>. It is proposed that increases in the total runoff volume from the Mahogany Community be mitigated with BMP's. Utilizing infiltration techniques, infiltrative BMP's are proposed in the residential areas to encourage groundwater recharge rates on the site.

### 2.2 Water Quality and Erosion Control

Water quality and erosion control are required on the Unnamed Drain. With respect to suspended solids, based on previous studies the stormwater should be treated to an Enhanced Level of Protection (80% suspended solids removal as per the MOE Stormwater Management Planning and Design Manual, March 2003).

### 3. HYDROLOGICAL MODELING PARAMETERS

Hydrological analysis of both existing conditions and proposed dual drainage system was conducted using SWMHYMO. This technique offers a single storm event flow generation and routing. Land use, selected modeling routines, and input parameters are discussed in the following sections. A post-development model schematic is presented in Appendix 7C and model files are included in Appendix 7D. It should be noted that hydrographs generated by the SWMHYMO model were downloaded to the XPSWMM model to evaluate the hydraulic performance of the proposed system.

#### 3.1.1 LAND USE

The area contributing flow to the Unnamed Drain is presently rural. For existing conditions modeling simulations, it was divided into two drainage areas (refer to Figure 1). Under post-development conditions, the lands tributary to the Unnamed Drain will be predominantly developed as a mixture of low and medium density residential areas with areas designated for schools and parks. Phase 1 development was divided into drainage areas reflective of the rational method design. Future development tributary to the Unnamed Drain was divided into ten urban sub-catchments. Two rural sub-catchments representing upstream rural drainage and the Unnamed Drain corridor were included. The post-development drainage scheme is indicated in Figure 2. The detailed Phase 1 drainage areas are presented in Figure 3.

#### 3.1.2 STORMS

Based on experience with similar types of urban watersheds, the most critical runoff estimates are those generated by the summer single event storms. There are two standard types of summer single event design storms typically used for modeling in Eastern Ontario. The first SCS Type II design storm is typically used for watersheds characterized by the rural component being significantly greater than the urban component. The second design storm, the Chicago design storm, is more critical for the modeling of fully urbanized watersheds.

Runoff simulations were performed using the 25 mm 4 hour Chicago storm (12 minute time step); 5 and 100 year 3 hour Chicago design storms (10 minute time step); the 2, 5 and 100 year 24 hour SCS Type II design storms (12 minute time step); and, the July 1 1979 historical storm (5 minute time step).

The 25 mm 4 hour Chicago storm was used to quantify the “first flush” conditions for the Vortechs<sup>®</sup> treatment units used to evaluate overall development runoff and quantify peak flows. The 5 year 3 hour Chicago design storm was used to evaluate the minor system capture in future phases of development tributary to the Unnamed Drain. The 100 year 3 hour Chicago design storm was used to evaluate the urban component of the dual drainage, specifically maximum “overland flow,” as well as the hydraulic grade line (HGL). The 24 hour SCS Type II storms were used to evaluate overall development runoff and quantify peak flows for comparison purposes in the receiving Unnamed Drain, as well as to evaluate the HGL. The July 1, 1979 historical storm was used as an analytical tool to establish the function of the system under an extreme event.

The precipitation intensities were based on those set forth by the City of Ottawa Sewer Design Guidelines, November 2004.

It should be noted that SWMHYMO was only used for the generation of runoff and routing was performed in XPSWMM.

### 3.1.3 DRAINAGE AREA PARAMETERS

The main hydrology parameters for existing and post-development conditions are summarized below and calculations are presented in Appendix 7A.

- **Design storms:** As discussed above, the site was evaluated using the 25 mm 4 hour Chicago storm; 5 and 100 year 3 hour Chicago design storms; the 2, 5 and 100 year 24 hour SCS Type II design storm; and, the July 1 1979 historical storm. The storms are consistent with City guidelines.
- **Minor system capture:** Minor system capture of the storm sewers throughout the drainage area is restricted to the 5 year flow, based on the revised rational method (enclosed in Appendix 7A). This is discussed in greater detail in Section 4.2. Major flow is captured by the storm sewer at two locations along Century Road.
- **Area and imperviousness:** Catchment areas and imperviousness are based on the rational method spreadsheet, completed by EXP. The conversion of runoff coefficient to imperviousness is:  $IMP = (c - 0.2)/0.7$
- **Surface storage:** Available surface storage was accounted for in the SWMHYMO model (refer to Section 4.2 for details) and is summarized. The ponding plan, developed by EXP, is presented in Figure 4 for reference, where indicated pond volumes represent 'static' storage.
- **Infiltration:** The SCS CN method of infiltration loss was applied for existing conditions, using a CN value of 78, consistent with the approach and values used in the approved 2005 SDA<sup>3</sup>. The Horton method of infiltration loss was applied for post-development conditions. The values are as follows, consistent with City guidelines:  $f_o = 76.2$  mm/h,  $f_c = 13.2$  mm/h,  $k = 0.00115$  s<sup>-1</sup>.
- **Length:** The impervious length is based on an average of the measured length of the trunk through the catchment and the calculated length based on the SWMHYMO user's manual. The pervious length is based on an average lot depth. This approach is consistent with City of Ottawa Sewer Design Guidelines.
- **Initial Abstraction (Depression Storage):** Depression storage depths of 0.8 mm and 1.5 mm were used for impervious and pervious areas, respectively. These values are more conservative than those in the City of Ottawa Sewer Design Guidelines.
- **Manning's roughness:** Manning's roughness coefficients of 0.013 and 0.25 were used for impervious and pervious areas, respectively.
- **Slope:** A slope of 0.5% was used for impervious surfaces and a slope of 2% was used for pervious areas (lot grading).

**Table 3.1 Existing conditions hydrological parameters – Rural areas**

Drainage Area ID	Area (ha)	Time to Peak (h)
1	81.0	0.59
2	214.0	2.70

**Table 3.2 Post-development hydrological parameters – Rural areas**

Drainage Area ID	Area (ha)	Time to Peak (h)
2	214.0	2.70
10	5.23	0.15

**Table 3.3 Post-development hydrological parameters – Phase 1**

Vortechs® Unit	Drainage Area		Receiving MH	Impervious Ratio [Time to Peak (h)]		Length LGI (m)
	ID	Area (ha)		Timp	Ximp	
N/A	FREE5A	0.55	<i>Existing Pond</i>	[0.17]	N/A	N/A
N/A	FREE5B	0.18	<i>Manotick Main St Ditch via swale</i>	[0.17]	N/A	N/A
1	237A	0.26	237	0.46	0.46	57
1	262	0.20	262	0.33	0.33	45
1	271A	0.09	271	0.53	0.53	32
1	271B	0.17	271	0.40	0.40	68
1	267	0.37	267	0.52	0.52	61
1	287	0.31	287	0.62	0.62	53
N/A	FREE4	0.55	<i>Manotick Main St Ditch</i>	[0.17]	N/A	N/A
1	RY275	0.36	275	0.51	0.01	82
1	275	0.10	275	0.43	0.43	32
1	276	0.30	276	0.51	0.51	57
1	RY256	0.27	256	0.24	0.01	63
1	256	0.59	256	0.52	0.52	62
1	258	0.19	258	0.43	0.43	88
1	RY255	0.16	255	0.46	0.01	51
1	255	0.35	255	0.67	0.67	59
1	226	0.04	226	0.41	0.41	27
1	RY241	0.38	241	0.38	0.01	75
1	241	0.47	241	0.57	0.57	85
1	252A	0.25	252A	0.64	0.64	34
1	RY254	0.38	254	0.53	0.01	105
1	254	0.30	254	0.57	0.57	57
1	RY244	0.23	244	0.50	0.01	47
1	248	0.32	248	0.40	0.40	126
1	244	0.33	244	0.63	0.63	76
1	RY233A	0.34	233	0.51	0.01	70
1	RY233B	0.25	233	0.49	0.01	57
1	233	0.34	233	0.59	0.59	71
N/A	FREE3	0.67	<i>Unnamed Drain</i>	0.47	0.01	55
2	237B	0.25	237	0.56	0.56	61
2	RY252	0.11	252	0.47	0.01	44
2	252B	0.37	252	0.57	0.57	50
2	228	0.22	228	0.55	0.55	59
2	RY234	0.21	234	0.53	0.01	52
2	234	0.38	234	0.54	0.54	53
2	RY219A	0.03	219	0.58	0.01	14
2	RY219B	0.54	219	0.48	0.01	82

**Table 3.3 Post-development hydrologic parameters – Phase 1 (continued)**

Vortechs® Unit	Drainage Area		Receiving MH	Impervious Ratio [Time to Peak (h)]		Length LGI (m)
	ID	Area (ha)		Timp	Ximp	
2	219A	0.37	219	0.59	0.59	77
2	RY223	0.32	223	0.45	0.01	69
2	223	0.55	223	0.56	0.56	83
2	220	0.3	220	0.69	0.69	60
2	222	0.19	222	0.66	0.66	50
2	283	0.1	283	0.60	0.60	45
2	216	0.35	216	0.62	0.62	77
N/A	FREE2	0.63	<i>Unnamed Drain</i>	0.30	0.01	117
3	RY225	0.2	225	0.31	0.01	48
3	225	0.39	225	0.64	0.64	60
3	RY219C	0.73	219	[0.17]	N/A	N/A
3	219B	0.19	219	0.63	0.63	40
3	RY281	0.67	281	[0.17]	N/A	N/A
3	278	0.3	278	0.57	0.57	41
3	RY279	0.04	279	0.38	0.01	18
3	279	0.41	279	0.37	0.37	63
3	203	0.11	203	0.55	0.55	39
3	RY204	0.06	204	[0.08]	N/A	N/A
3	204	0.06	204	0.60	0.60	40
3	281	0.47	281	0.57	0.57	78
3	206	0.13	206	0.57	0.57	43
3	211	0.29	211	0.48	0.48	46
3	284	0.80	284	[0.33]	N/A	N/A
3	208	0.12	208	0.48	0.48	38
3	285	0.29	285	0.48	0.48	87
3	207	0.25	207	0.60	0.60	62
N/A	Street 7 LP	0.30	<i>Unnamed Drain</i>	0.59	0.59	92
N/A	FREE1	1.05	<i>Unnamed Drain</i>	0.43	0.01	182

**Table 3.4 Post-development hydrologic parameters – Future phases tributary to the Unnamed Drain (conceptual design)**

ID	Drainage Area		Impervious Ratio		Length LGI (m)
	Area (ha)	Timp	Ximp		
B1	6.5	0.51	0.23	206	
B2	6.1	0.51	0.23	151	
B3	4.9	0.52	0.25	160	
B4	4.5	0.42	0.22	256	
B5	1.9	0.51	0.23	202	
B6	1.8	0.51	0.23	166	
B7	17.6	0.52	0.26	335	
B8	4.0	0.52	0.25	230	
B9	5.3	0.51	0.23	274	
B10	1.9	0.51	0.23	97	

## 4. WATER QUANTITY ANALYSIS – PEAK FLOWS

### 4.1 Comparison of Peak Flows

As discussed in Section 2.1, the recipient watercourse of Phase 1 is the Unnamed Drain. The control point that was considered in the evaluation of water quantity peak flow control is identified as Point A, which is located at the downstream end of the development. Point A is an arbitrarily selected location in close proximity to the Rideau River.

Point A receives flow from Phase 1 and Phase 2 development, as well as two rural areas. Water quantity control is achieved with dual drainage and on site storage on Phase 1 and 2, as well as an end-of-pipe SWM facility servicing Phase 2. Phase 1 is discretized in detail; however, Phase 2 was kept at a conceptual level, consistent with the 2007 SWM Servicing<sup>6</sup>. The location of the Phase 2 SWM facility has been slightly adjusted, however, remains a conceptual design.

Simulations were completed with the 25 mm 4 hour Chicago storm, and the 2, 5 and 100 year 24 hour SCS Type II storms. As noted in Section 1.1, the detailed design of the fish habitat enhancements to the Unnamed Drain will be presented in a separate study

The overall performance of the stormwater management system is summarized in the below table.

**Table 4.1 Comparison of flow rates in the Unnamed Drain at Point A**

Flow at Point A (cms)							
25 mm		2 year		5 year		100 year	
Existing	Post-Dev.	Existing	Post-Dev.	Existing	Post-Dev.	Existing	Post-Dev.
0.89	0.73	2.21	1.75	3.44	2.59	7.54	7.54

At the Point A location, during flood conditions (100 year storm event) there is no increase in flow under post-development conditions with water quantity control in place. The above comparison also indicates that in order to accomplish peak flow control, stormwater management is required. As indicated above, the stormwater management consists of a dual drainage concept, in combination with a SWM facility servicing Phase 2 lands. The following sections provide a description of stormwater management components for the site. The Unnamed Drain is not part of the stormwater management system. The proposed works to the highly degraded drain are focused on enhancing the fish habitat.

### 4.2 Dual Drainage Design

As discussed in Section 3.0, hydrological analysis of the proposed dual drainage system was conducted using SWMHYMO. The Phase 1 site was designed with dual drainage features, accommodating minor and major system flow.

#### Minor system

Across the majority of the site the roads are designed to accommodate on-site storage. Inlet control devices (ICDs) are proposed to control the surcharge in the minor system during infrequent storm events and maximize use of available on-site storage. The minimum minor system capture of ICDs is based on 5 year rational method flow for street segments. The dual drainage system was evaluated using the SWMHYMO hydrological model. The minor system hydraulic grade line analysis was evaluated using the XPSWMM dynamic model.

Drainage areas were considered independently, each with a 10 minute time of concentration. The 5 year flow values for each street segment are indicated on the revised rational method spreadsheet enclosed in Appendix A.

Analysis indicated that in terms of on-site detention versus cascading flow, minor system capture did not require increasing above the 5 year rational flow on the majority of street segments. Inlet control devices were sized based on the maximum 0.3 m ponding, and the ICD flow was applied as the minor system restriction in SWMHYMO. Across the majority of the site, standard Hydrovex and Iplex ICDs are proposed; however, custom ICDs are proposed at three locations. The design flow rates and number of ICDs are indicated on the revised rational method spreadsheet, enclosed in Appendix 7A. Refer to EXP submission for detailed ICD schedule. Minor system restrictions are summarized in Table 4.2.

Major flow will cascade from the eastern portion of the site downstream to the western limits of the site. Available surface storage was accounted in the SWMHYMO model and is summarized in Table 4.2. The surface storage was considered in two parts: as a 'static' storage and a 'dynamic' storage. Each storage location was examined individually. Based on the grading plan, ponding from the low point to the downstream high point (for this particular design, a depth ranging from 0.10-0.29 m) was designed as 'static' storage with the outflow-storage curve based on the minor system capture and the 'static' ponding volume. If the SWMHYMO simulation did not produce overflow, then the design of the low point was completed. If the SWMHYMO simulation indicated an overflow, the 'dynamic' routing was performed to utilize the available storage (for example, for a 'static' storage depth of 0.24 m, the corresponding 'dynamic' storage is 0.06 m). Dynamic routing was performed with a second route reservoir command.

The second outflow-storage curve was based on the normal depth of flow for the downstream street segment and available storage between the static ponding elevation (approximately 0.20 m) and max depth of 0.3 m. The outflow from this command represents the major system flow cascading to the downstream segment. Since the stage-storage curve input in SWMHYMO ranges from 0.20-0.30 m depth, any overflow from this second route reservoir would indicate that 0.3 m depth would be exceeded. Specifically for this design, minor system capture was increased at street segment 244, 233 and 234 to ensure no overflow, and therefore the depth limited to below 0.3 m. The above approach ensures that City guideline of 0.3 m ponding depth is maintained at all locations. It should be noted that if the 0.3 m of ponding was designed as the 'static' storage, then 'dynamic' storage was not available and therefore not used.

The rational method spreadsheet was completed by EXP and is enclosed in Appendix 7A for reference. The rational method design indicates that the 5 year rational flow is conveyed in the system under free flow conditions; in other words, with spare capacity.

During 100 year flow conditions, as indicated on the revised rational method spreadsheet, the total flow (for both street segments and rear yards) from the ICDs is 3744 l/s, which is approximately 218 l/s/ha on an average basis. The inflow hydrographs were exported to XPSWMM to perform dynamic routing. The revised rational method spreadsheet is enclosed in Appendix 7A for reference.

Storm sewers within future phases of development tributary to the Unnamed Drain have been sized for an inflow equivalent to the 5 year 3 hour Chicago storm event. An average value of 20 cu-m/ha was applied to the Phase 2 lands, presently at the conceptual level of design.

**Table 4.2 Storage and Minor System Restriction – Phase 1**

Vortechs® Unit	Drainage Area		Receiving MH	Avail. Storage (cu-m)	Minor Flow Restriction (l/s)	
	ID	Area (ha)			Rational Method Flow	ICD Flow
N/A	FREE5	0.55	<i>Existing Pond</i>	N/A	N/A	N/A
N/A	FREE5B	0.18	<i>Manotick Main St Ditch via swale</i>	N/A	N/A	N/A
1	237A	0.26	237	0	39.39	44.6
1	262	0.20	262	0	24.77	31.7
1	271A	0.09	271	0	14.95	14.95
1	271B	0.17	271	0	21.41	22.3
1	267	0.37	267	0	60.16	61.4
1	287	0.31	287	16.8	56.89	61.4
N/A	FREE4	0.55	<i>Manotick Main Ditch</i>	N/A	N/A	N/A
1	RY275	0.36	275	N/A	57.96	61.4
1	275	0.10	275	0	14.51	14.95
1	276	0.30	276	52.7	48.40	61.4
1	RY256	0.27	256	N/A	28.94	31.7
1	256	0.59	256	34.3	96.63	104.7
1	258	0.19	258	35.9 <i>(in Century Rd Ditch)</i>	275*	275.6 <sup>†</sup>
1	RY255	0.16	255	N/A	24.32	31.7
1	255	0.35	255	47.8	67.52	83.7
1	226	0.04	226	0	5.66	7.0
1	RY241	0.38	241	N/A	51.21	61.4
1	241	0.47	241	0	81.36	85.9
1	252A	0.25	252A	0	46.92	61.4
1	RY254	0.38	254	N/A	62.57	83.7
1	254	0.30	254	0	51.85	61.4
1	RY244	0.23	244	N/A	36.64	41.3
1	248	0.32	248	11.0 <i>(in Century Rd Ditch)</i>	325*	325.1 <sup>†</sup>
1	244	0.33	244	53.9	61.58	122.8
1	RY233A	0.34	233	N/A	54.57	61.4
1	RY233B	0.25	233	N/A	39.10	41.3
1	233	0.34	233	53.8	60.25	122.8
N/A	FREE3	0.67	<i>Unnamed Drain</i>	N/A	N/A	N/A
2	237B	0.25	237	30.9	42.87	61.4
2	RY252	0.11	252	N/A	16.92	22.3
2	252B	0.37	252	52.91	64.01	73.0
2	228	0.22	228	0	37.08	41.3
2	RY234	0.21	234	N/A	34.67	41.3
2	234	0.38	234	68.9	63.38	167.4
2	RY219A	0.03	219	N/A	5.29	7.0
2	RY219B	0.54	219	N/A	84.00	84.8 <sup>†</sup>

\* Represents total flow capture

<sup>†</sup> Custom ICD size required; refer to Appendix 7A and EXP submission for complete ICD schedule



**Table 4.2 Storage and Minor System Restriction – Phase 1 (continued)**

Vortechs® Unit	Drainage Area		Receiving MH	Avail. Storage (cu-m)	Minor Flow Restriction (l/s)	
	ID	Area (ha)			Rational Method Flow	ICD Flow
2	219A	0.37	219	0	66.04	73.0
2	RY223	0.32	223	N/A	47.53	61.4
2	223	0.55	223	0	93.91	102.7
2	220	0.3	220	0	59.15	61.4
2	222	0.19	222	0	36.35	41.3
2	283	0.1	283	0	17.88	22.3
2	216	0.35	216	24.7	64.27	83.7
N/A	FREE2	0.63	<i>Unnamed Drain</i>	N/A	N/A	N/A
3	RY225	0.2	225	N/A	24.26	31.7
3	225	0.39	225	0	73.28	82.6
3	RY219C	0.73	219	N/A	44.32	61.4
3	219B	0.19	219	0	35.34	41.3
3	RY281	0.67	281	N/A	54.34	61.4
3	278	0.3	278	0	51.85	54.0
3	RY279	0.04	279	N/A	5.40	7.0
3	279	0.41	279	60.7	54.17	63.4
3	203	0.11	203	0	18.54	22.3
3	RY204	0.06	204	N/A	6.96	7.0
3	204	0.06	204	0	10.78	14.95
3	281	0.47	281	57.16	81.97	83.7
3	206	0.13	206	0	22.54	31.7
3	211	0.29	211	0	45.19	61.4
3	284	0.80	284	N/A	46.35	61.4
3	208	0.12	208	0	18.51	22.3
3	285	0.29	285	68.8	45.19	61.4
3	207	0.25	207	0	45.10	54.0
N/A	FREE1	1.05	<i>Unnamed Drain</i>	N/A	N/A	N/A
N/A	Street 7 LP	0.30	<i>Unnamed Drain</i>	64.0	53.01	61.4

\* Represents total flow capture

† Custom ICD size required; refer to Appendix 7A and EXP submission for complete ICD schedule

**Table 4.3 Storage and Minor System Restriction – Future phases tributary to the Unnamed Drain (conceptual design)**

Drainage Area		Est. Storage (cu-m/ha)	Minor Flow Restriction (l/s)
ID	Area (ha)		
B1	6.5	20	852
B2	6.1	20	844
B3	4.9	20	655
B4	4.5	20	484
B5	1.9	20	249
B6	1.8	20	236
B7	17.6	20	2092
B8	4.0	20	505
B9	5.3	20	658
B10	1.9	20	277

The total drainage area tributary to the Unnamed Drain is indicated on Figure 2, and the detailed Phase 1 drainage areas are included in Figure 3. Of the total Phase 1 drainage area, minor flow from 17.15 ha is conveyed to the Unnamed Drain via the storm sewer system. This includes the northern portion of Century Road, as well a portion of existing development east of Street 1. There are three storm sewer outlets to the Unnamed Drain, identified as Storm Outlet 1, 2 and 3 (refer to Figure 3).

The following areas are not connected to the storm sewer system and are considered external. They are also identified on Figure 3.

- Total flow from rear yards on Street 5 discharges to an adjacent existing pond and the roadside ditch on Manotick Main Street via a rear yard swale (Area 'Free5A' and 'Free5B', respectively).
- Total flow from the southeast corner of the site (at Century Road and Manotick Main Street) discharges to the existing roadside ditch on Manotick Main Street, and eventually to the Rideau River (Area 'Free4').
- Total flow from rear yards on Street 2 is conveyed overland to the Unnamed Drain (Area 'Free3').
- Total flow from an existing hedgerow adjacent to Street 7 is conveyed overland to the Unnamed Drain (Area 'Free2').
- Total flow from rear yards on Street 9 is conveyed overland to the Unnamed Drain (Area 'Free1').

**Table 4.4 Maximum Total Flow from External Drainage Areas**

Recipient	External Drainage Area	Total Flow (cms)
Existing pond and Manotick Main St. Ditch	FREE5	0.116
Existing Manotick Main St. Ditch	FREE4	0.087
Unnamed Drain	FREE3	0.188
	FREE2	0.159
	FREE1	0.260

It should be noted that the drainage area contributing flow to the existing pond measures 0.55 ha (refer to Figure 3), which represents a slight decrease from the drainage area under existing conditions (estimated at 0.6 ha). It is proposed that the landscaping buffer at the back of Lots 102, 101, 100 will act as an emergency overflow to the Manotick Main Street roadside ditch (refer to EXP Drawing 2545-GR1). Total flow from the rear yards of Lots 102, 101, 100 will also discharge to the landscaping buffer.

Overland flow from the majority of the site will be released at select discharge points directly to the Unnamed Drain. Design constraints under this scenario are the maximum quantity and depth of water conveyed on the surface segments. These design constraints become more restrictive as the generating lands become more remote from the recipient area. Overland flow from the site will be directed as follows (refer to Figure 4):

- Phase 1 development at the southeast corner of the site contributes major flow to an existing roadside ditch on Manotick Main Street. This flow will ultimately discharge to the Rideau River (Major Outlet 1).
- The existing roadside ditch on the north side of Century Road will be re-graded as part of the Phase 1 works. The high point located in the vicinity of Street 6 will be maintained and will result in major flow from the eastern-most portion of Century Road cascading east towards the existing ditch on Manotick Main Street and to the Rideau River (Major Outlet 2).
- The remainder of the site contributes overland flow to the Unnamed Drain. The major outlets are listed as follows, from south to north:
  - Generally, major flow from the southeastern portion of the site will be conveyed to the Century Road ditch, west of the high point. This flow will be picked up by the storm sewer at two locations and conveyed to the Unnamed Drain via the first storm outlet (Major Outlet 3).
  - A major flow outlet to the Unnamed Drain is located at the second storm sewer outlet, off of Street 3 (Major Outlet 4).
  - A major flow outlet to the Unnamed Drain is located off of Lane 2 (Major Outlet 5).
  - A major flow outlet to the Unnamed Drain is located off of Street 7, in the vicinity of the proposed low point. The overland flow will be conveyed by a swale from Street 7 to the drain (Major Outlet 6). Minor flow from the low point will also be conveyed

to the drain via the swale. The minor flow connection is an interim measure until the Phase 2 SWM facility is constructed.

- o A major flow outlet to the Unnamed Drain is located off of Street 9, represented by Block 220 between Lots 186 and 187 (Major Outlet 7).

**Table 4.5 Maximum Cumulative Overland Flow at Major Storm Outlets**

Recipient	Major Flow Outlet	Max. Cum. Flow (cms)	Corresponding Velocity (m/s)
Existing Manotick Main St. Ditch	1	0.229	0.4 (in ditch)
Century Road Ditch (East of high point)	2	0.040	0.8 (in ditch)
Century Road Ditch (West of high point)	3A (Total Flow)	0.275	1.2 (in ditch)
	3B (Total Flow)	0.325	0.9 (in ditch)
Unnamed Drain	4	0.472	1.3
	5	0.123	0.9
	6 (Total Flow)	0.587	N/A (to BMP)
	7	0	N/A

Simulations indicate that under post-development conditions, there is a decrease in flow to the Manotick Main Street ditch (approximately 550 l/s) in comparison to existing conditions.

The maximum resulting overland flow on subdivision streets during the 100 year 3 hour Chicago storm is presented in Table 4.6. The overland flow was evaluated at downstream locations, based on proposed grades. Using the channel routing routine in SWMHYMO, maximum normal depth and velocity of flow have been quantified and results are summarized below.

**Table 4.6 Maximum Cumulative Overland Flow on Phase 1 streets**

Recipient	Major Flow Outlet	Location	Max. Cum. Flow (cms)	Depth (m)	Velocity (m/s)	d x v (m <sup>2</sup> /s)
Existing Manotick Main St. Ditch	1	Lane 1 (NW)	0.229	0.07	1.4	0.10
		Lane 1 (SE)		0.07	1.1	0.10
Century Road Ditch	3A	Street 4 (NW)	0.346	0.08	1.4	0.12
		Street 4 (NE)		0.09	1.4	0.12
	3B	Street 1	0.275	0.08	1.4	0.11
Street 3	4	Street 2	0.186	0.08	0.8	0.07
Street 3	4	Street 3 (NE of Street 2)	0.151	0.06	1.2	0.07
Unnamed Drain	4	Street 3 (SE)	0.472	0.20	1.7	0.34
		Street 3 (NW)		0.12	1.0	0.11
	5	Lane 2 (NE)	0.123	0.06	0.9	0.06
	6	Street 7	0.526	0.10	1.6	0.15
	7	Block 220	0	N/A	N/A	N/A

It should be noted that at each location, the d x v product is less than the maximum allowable product of 0.6 per City of Ottawa Sewer Design Guidelines.

### 4.3 Hydraulic Grade Line Analysis

The evaluation of the hydraulic grade line, as well as of flood levels in the Unnamed Drain, was completed using XPSWMM. The XPSWMM model represents the complete storm system: the Unnamed Drain, Phase 1 storm sewers, and Phase 2 SWM facility. The detailed design of the fish habitat enhancements to the Unnamed Drain will be presented in a separate study, however, the hydraulics of the drain were used as the starting water levels for the storm sewer system. The boundary condition at Point A was based on a tailwater developed using Rideau River water surface elevations for the 2, 5 and 100 year events (provided by RVCA). Point A is located within the Rideau River flood plain and therefore modeling of the Unnamed Drain between Point A and the Rideau River is not required. Cross-sections of the proposed fish habitat enhancements to the drain are included below and have been approved by the RVCA. A profile of the Unnamed Drain is provided on Drawings 702-704, which indicates the 100 year water surface elevations.

Minor system losses were accounted for in accordance with Appendix 6-B of the City of Ottawa Sewer Design Guidelines (November 2004). Losses at Vortechs® units were customized to reflect the design of the units.

XPSWMM simulations were conducted for the 25 mm 4 hour Chicago storm; 2, 5 and 100 year 24 hour SCS Type II storms; the 100 year 3 hour Chicago storm; and, the July 1, 1979 storm. Pipe data is summarized in the below table, along with HGL values for the 100 year 24 hour SCS Type II, 100 year 3 hour Chicago and July 1 1979 storms. A comparison of under-side of footing (USF) elevations and HGL is also included. XPSWMM model files are provided in Appendix 7D.

**Table 4.7 Storm pipe data and HGL**

MH	USF (m)	Inv. (m)	U/S Pipe Data			100 year 24 hour SCS Type II			100 year 3 hour Chicago			July 1 1979		
			Length (m)	Dia. (mm)	Slope (%)	HGL (m)	Sur-charge (m)	USF - HGL (m)	HGL (m)	Sur-charge (m)	USF - HGL (m)	HGL (m)	Sur-charge (m)	USF - HGL (m)
UD at #1	N/A	N/A	N/A	N/A	N/A	87.99	N/A	N/A	87.94	N/A	N/A	88.02	N/A	N/A
288	N/A	87.47	18.2	1050	0.11	88.52	0	N/A	88.46	0	N/A	88.49	0	N/A
249	N/A	87.62	57.1	900	0.51	88.74	0.22	N/A	88.67	0.15	N/A	88.71	0.19	N/A
248	N/A	88.06 (NE)	81.1	750	1.01	89.08	0.27	N/A	88.94	0.13	N/A	89.01	0.20	N/A
		87.97 (NW)	17.6	600	0.51									
245	90.3	88.33 (NW)	108.3	450	0.36	89.26	0.48	1.04	89.12	0.34	1.181	89.19	0.41	1.11
		88.33 (NE)	81	450	1.22									
233	89.9	88.87	52	300	0.4	89.60	0.43	0.30	89.51	0.34	0.39	89.54	0.37	0.36
234	89.95	89.08	-	-	-	89.39	0.01	0.56	89.34	0	0.61	89.31	0	0.64
244	91.1	89.4	96.1	375	1.18	90.41	0.63	0.69	90.21	0.43	0.894	90.34	0.56	0.77
254	92.2	90.6	32.3	300	1.46	91.48	0.58	0.72	91.18	0.28	1.024	91.43	0.53	0.78
252	92.6	91.07	-	-	-	92.17	0	0.43	91.80	0	0.797	92.14	0	0.46
243	N/A	88.95	77.9	750	0.35	89.55	0	N/A	89.44	0	N/A	89.49	0	N/A

**Table 4.7 Storm pipe data and HGL (continued)**

MH	USF (m)	Inv. (m)	U/S Pipe Data			100 year 24 hour SCS Type II			100 year 3 hour Chicago			July 1 1979		
			Length (m)	Dia. (mm)	Slope (%)	HGL (m)	Sur-charge (m)	USF - HGL (m)	HGL (m)	Sur-charge (m)	USF - HGL (m)	HGL (m)	Sur-charge (m)	USF - HGL (m)
242	N/A	89.3 (NE)	86.5	675	0.31	89.85	0	N/A	89.75	0	N/A	89.76	0	N/A
		89.6 (NW)	93.6	375	2.49									
241	93.45	91.93	24.3	375	2.39	92.25	0	1.20	92.25	0	1.20	92.25	0	1.20
240	93.45	92.52 (E)	79.8	375	0.46	92.70	0	0.75	92.70	0	0.75	92.70	0	0.75
		92.64 (N)	78.5	250	2.08									
226	94.85	94.10	108.6	250	1.35	94.15	0	0.70	94.15	0	0.70	94.15	0	0.70
237	96.2	96.2	-	-	-	95.68	0	0.52	95.68	0	0.52	95.67	0	0.53
255	94.15	93.02	12.8	250	0.94	93.09	0	1.07	93.09	0	1.06	93.09	0	1.07
256	94.15	93.14	-	-	-	92.87	0	1.28	92.87	0	1.28	92.87	0	1.28
258	N/A	89.68	17.1	675	0.23	90.28	0	N/A	90.24	0	N/A	90.27	0	N/A
257	N/A	89.72 (NE)	81	675	0.19	90.51	0	2.39	90.47	0	2.44	90.50	0	2.40
		91.48 (W)	61.1	300	1.83									
273	93.9	90.09 (NE)	47.2	450	0.34	90.78	0.24	3.12	90.72	0.18	3.18	90.78	0.24	3.12
		90.09 (NW)	35.9	450	1.09									
276	93.9	90.53	40.1	450	0.5	91.08	0.10	2.82	90.99	0.01	2.91	91.08	0.10	2.82
275	94.52	90.88	35.1	300	0.71	91.26	0.08	3.26	91.16	0	3.36	91.26	0.08	3.26
259	94.36	91.18 (N)	44.9	250	0.51	91.79	0.36	2.57	91.69	0.25	2.68	91.80	0.37	2.56
		94.1 (W)	73.1	250	1.4									
260	93.22	91.46	50.4	250	0.62	91.92	0.21	1.30	91.81	0.10	1.41	91.93	0.22	1.29
262	92.4	91.77	-	-	-	92.06	0.04	0.34	91.96	0.00	0.44	92.07	0.05	0.33
271	94.2	90.32	35.9	375	0.67	90.94	0.25	3.26	90.87	0.18	3.33	90.95	0.25	3.25
270	93.94	90.60	23.9	375	0.71	91.14	0.16	2.80	91.06	0.09	2.88	91.15	0.17	2.79
268	93.24	90.82	35.8	375	0.75	91.25	0.06	1.99	91.17	0	2.07	91.27	0.07	1.97
267	93.24	91.14	39.6	375	0.61	91.41	0	1.83	91.36	0	1.88	91.42	0	1.82
266	92.64	91.46	29.4	300	0.75	91.57	0	1.07	91.57	0	1.07	91.58	0	1.06
287	93.08	91.68	-	-	-	91.89	0	1.19	91.89	0	1.19	91.89	0	1.19
UD at #2	N/A	N/A	N/A	N/A	N/A	87.50	N/A	N/A	87.42	N/A	N/A	87.56	N/A	N/A
232	N/A	87.00	3.9	900	0.26	87.83	0	N/A	87.81	0	N/A	87.81	0	N/A
232 A	N/A	87.09 (N)	4	825	0.25	88.10	0.19	N/A	88.06	0.15	N/A	88.07	0.16	N/A
		87.16 (SE)	6.2	675	0.16									
217 A	89.4	87.22	13	675	0.23	88.14	0.24	1.27	88.10	0.20	1.30	88.10	0.20	1.30
230	89.4	87.87	24.2	450	2.11	88.17	0	1.23	88.13	0	1.27	88.13	0	1.28

**Table 4.7 Storm pipe data and HGL (continued)**

MH	USF (m)	Inv. (m)	U/S Pipe Data			100 year 24 hour SCS Type II			100 year 3 hour Chicago			July 1 1979		
			Length (m)	Dia. (mm)	Slope (%)	HGL (m)	Sur-charge (m)	USF - HGL (m)	HGL (m)	Sur-charge (m)	USF - HGL (m)	HGL (m)	Sur-charge (m)	USF - HGL (m)
229	89.4	88.45 (NE)	86.4	375	3.07	88.77	0.01	0.63	88.76	0	0.64	88.74	0	0.66
		88.38 (SE)	54.9	375	1									
228	92.25	91.1	23.3	375	2.58	91.23	0	1.02	91.23	0	1.03	91.23	0	1.02
227	92.25	91.88 (E)	78.5	250	2.76	91.80	0	0.45	91.79	0	0.46	91.79	0	0.46
		91.76 (S)	82.9	375	0.4									
217	89.4	87.21	66.3	675	0.38	88.14	0.26	1.26	88.10	0.21	1.30	88.11	0.22	1.29
216	89.1	87.68	10	450	0.9	88.50	0.37	0.60	88.43	0.30	0.67	88.47	0.34	0.63
282	89.1	87.82	85	450	1.64	88.66	0.39	0.44	88.57	0.30	0.53	88.62	0.35	0.48
223	90.6	89.28	119.5	375	2.17	89.57	0	1.03	89.54	0	1.06	89.57	0	1.03
283	89.32	88.17	78.7	375	0.99	88.78	0.23	0.54	88.68	0.14	0.64	88.76	0.21	0.56
222	90.15	89.08	119.3	250	1.28	89.44	0.11	0.71	89.27	0	0.88	89.40	0.07	0.75
UD at #3	N/A	N/A	N/A	N/A	N/A	86.86	N/A	N/A	86.78	N/A	N/A	86.91	N/A	N/A
213	N/A	86.5	10.2	900	0.19	87.40	0.004	N/A	87.37	0	N/A	87.41	0.01	N/A
214	N/A	86.52	85.6	900	0.39	87.71	0.28	N/A	87.64	0.22	N/A	87.71	0.29	N/A
207	89.05	87.16 (NW)	38	450	2.39	87.95	0.20	1.10	87.85	0.10	1.20	87.96	0.21	1.09
		87.3 (NE)	53.1	600	0.17									
208	88.75	87.35	46.4	525	0.22	88.03	0.15	0.72	87.91	0.03	0.84	88.04	0.16	0.71
284	88.55	87.46	12.4	525	0.32	88.11	0.14	0.44	87.98	0.01	0.57	88.13	0.16	0.42
212	88.55	87.59	13.8	450	0.22	88.12	0.08	0.43	87.99	0	0.56	88.14	0.10	0.41
285	88.6	87.82	68.8	250	1.24	88.15	0.08	0.45	88.01	0	0.59	88.17	0.10	0.43
211	89.6	88.7	22.6	250	3.1	88.88	0	0.72	88.86	0	0.74	88.88	0	0.72
210	89.6	89.4	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
206	N/A	88.24	37.4	450	2.14	88.61	0	N/A	88.55	0	N/A	88.61	0	N/A
205	91.7	89.18 (NE)	27	375	0.85	89.41	0	2.29	89.40	0	2.30	89.41	0	2.29
		89.1 (SE)	34.5	450	1.28									
281	91.7	89.61	57	375	1.54	90.23	0.25	1.47	90.22	0.23	1.49	90.23	0.24	1.47
220	91.52	90.61	39.8	375	3.14	91.08	0.10	0.44	91.04	0.05	0.48	91.08	0.09	0.44
219	92.44	91.87	89.4	300	2.19	92.05	0	0.39	92.05	0	0.39	92.05	0	0.39
225	94.75	93.78	-	-	-	93.98	0	0.77	93.98	0	0.77	93.98	0	0.77
204	91.65	89.44	44.8	375	0.76	89.74	0	1.92	89.73	0	1.92	89.74	0	1.92
203	91.35	89.86 (E)	44.4	300	1.67	90.11	0	1.24	90.11	0	1.24	90.11	0	1.24
		89.91 (NE)	45.9	250	1.66									
279	91.95	90.65	38.2	250	0.99	90.93	0.03	1.02	90.93	0.03	1.02	90.93	0.028	1.02
278	92.3	91.06	27.9	250	1.11	91.24	0	1.06	91.24	0	1.06	91.24	0.00	1.06
277	92.32	91.37	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
202	91.85	90.67	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

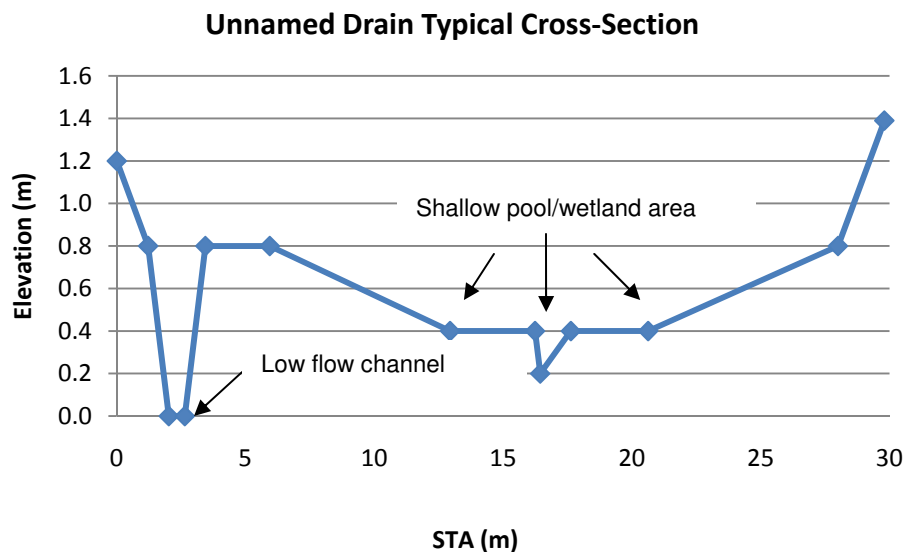
The minimum 0.3 m clearance between the USF and HGL is maintained across the Phase 1 site during the three storm events.

The proposed fish habitat enhancements to the Unnamed Drain previously approved by the RVCA were presented in the 2011 Unnamed Drain Report<sup>7</sup>. A summary of the cross-sections is presented below. The stationing has been updated to reflect the minor revisions to storm outlet locations. It should be noted that the flow and average depth were evaluated with XPSWMM and velocity was evaluated manually using the continuity equation (calculations included in Appendix A).

**To STA 0+472**

The drain will be enhanced with a meandering low flow channel and adjacent shallow pool/wetland areas. The channel at this location will receive flow from the upstream rural area as well as the first and second outlets. The area representing the Unnamed Drain corridor was also accounted for at this location. The typical cross-section is indicated in Chart 4.1 below. The results indicate that the maximum flow is 4.87 cms and the corresponding velocity and depth are 0.30 m/s and 1.12 m, respectively. The 100 year water levels are confined within the channel.

**Chart 4.1 Typical Cross-section**



**Table 4.8 To STA 0+472: Summary of hydraulic performance**

	<b>Bankfull</b>	<b>Maximum</b>
	<b>25 mm 4 hour Chicago Storm</b>	<b>100 year 24 hour SCS Type II Storm</b>
<b>Flow (cms)</b>	0.64	4.87
<b>Velocity (m/s)</b>	0.33	0.30
<b>Average water depth (m)</b>	0.52	1.12



**From STA 0+472 to STA 0+550**

This section of the Unnamed Drain extends to just upstream of the third storm outlet. It includes the culvert at Street 7 (refer to Drawing 713) and the typical cross-section of the drain is indicated in Chart 4.1 above. The results indicate that the maximum flow is 4.91 cms and the corresponding velocity and depth are 0.63 m/s and 0.82 m, respectively. The 100 year water levels are confined within the channel.

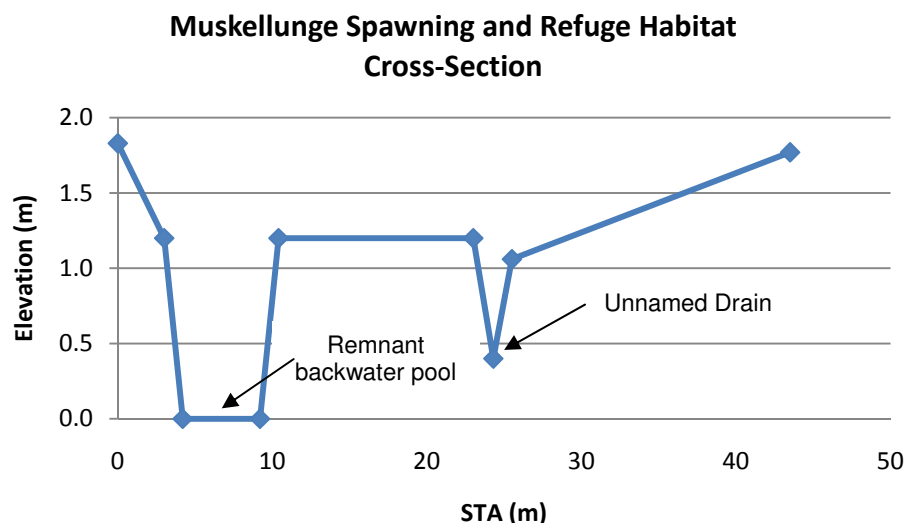
**Table 4.9 From STA 0+472 to STA 0+550: Summary of hydraulic performance**

	Bankfull	Maximum
	25 mm 4 hour Chicago Storm	100 year 24 hour SCS Type II Storm
<b>Flow (cms)</b>	0.64	4.91
<b>Velocity (m/s)</b>	1.37	0.63
<b>Average water depth (m)</b>	0.37	0.82

**From STA 0+550 to 0+800 (end of proposed works)**

At this location the channel will receive additional flow from the third outlet, and Muskellunge spawning and refuge habitat areas are proposed. The typical cross-section for the spawning and refuge habitat areas is indicated in Chart 4.2 below. The results indicate that the maximum flow is 4.94 cms and the corresponding velocity and depth are 0.80 m/s and 0.95 m, respectively. The 100 year water levels are confined within the channel.

**Chart 4.2 Muskellunge Spawning and Refuge Habitat Area Typical Cross-section**



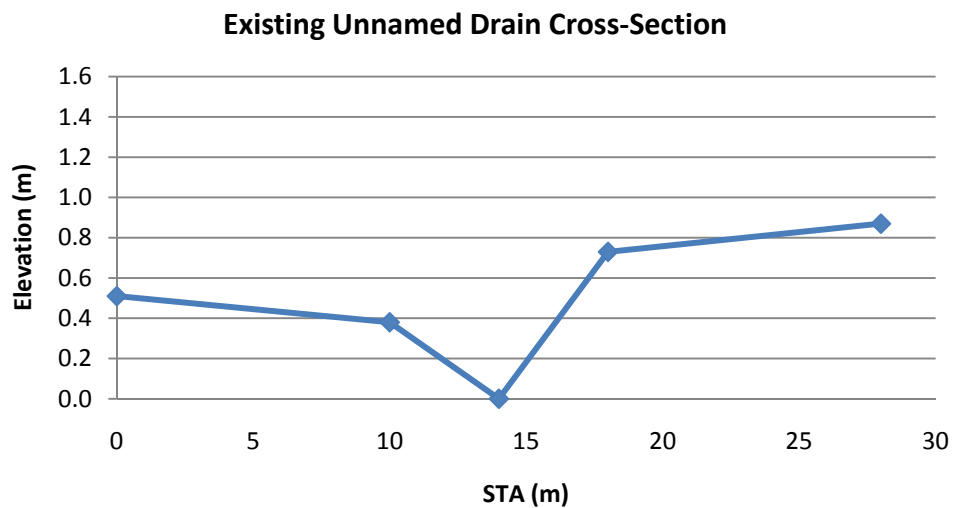
**Table 4.10 From STA 0+550 to STA 0+800: Summary of hydraulic performance**

	<b>Bankfull</b>	<b>Maximum</b>
	<b>25 mm 4 hour Chicago Storm</b>	<b>100 year 24 hour SCS Type II Storm</b>
<b>Flow (cms)</b>	0.64	4.94
<b>Velocity (m/s)</b>	0.36	0.80
<b>Average water depth (m)</b>	0.33	0.95

**Existing Drain Downstream of STA 0+800 (to Point A)**

The future SWM facility that will service subsequent phases of development west of the Unnamed Drain will outlet to the drain in the vicinity of STA 0+800 (corresponding to the downstream end of the enhancement to the drain). The typical cross-section for the existing drain is indicated in Chart 4.3 below. Results of the hydraulic modeling were considered at Point A (refer to Section 4.1 above), located approximately 125 m downstream of the proposed works. Results indicate that the maximum flow is 7.54 cms and the corresponding velocity and depth are 0.42 m/s and 1.16 m, respectively. The 100 year water levels are confined within the channel.

**Chart 4.3 Existing Unnamed Drain Typical Cross-section**



**Table 4.11 Downstream of STA 0+800 (to Point A): Summary of hydraulic performance**

	<b>Bankfull</b>	<b>Maximum</b>
	<b>25 mm 4 hour Chicago Storm</b>	<b>100 year 24 hour SCS Type II Storm</b>
<b>Flow (cms)</b>	0.73	7.54
<b>Velocity (m/s)</b>	0.70	0.42
<b>Average water depth (m)</b>	0.36	1.16

In review of the above, it can be concluded that the proposed design provides sufficient capacity for the 100 year storm event. The maximum depth of water in the Unnamed Drain ranges from 0.82 m to 1.16 m, which can be conveyed within the channel.

## 5. WATER QUANTITY ANALYSIS – RUNOFF VOLUME

From a water budget perspective, the changes in the land use (in this case the introduction of hard surfaces) results in some infiltration losses and increase in surface runoff from the developed area. With no BMP's in place, the majority of increased runoff is intercepted by catch basins and conveyed via storm sewers to stormwater treatment units or facilities for water quality treatment and attenuation.

In general, on a large or watershed scale, groundwater flow follows the surface topography, such as that of the Rideau River at Manotick. It is estimated that a general slope of infiltrated rainwater and subsurface flow from the subject area flows east and is intercepted by the Rideau River. In the 2007 SWM Servicing<sup>6</sup>, it was proposed that BMP's be implemented to promote infiltration. This was based on a review of Paterson Group's "Preliminary Geotechnical Investigation – Proposed Residential Development Century Road at First Line Road<sup>8</sup>," January 2007, which indicated that the soils in the study area vary between silty sand and silty clay. It was recommended that during the detail design of the subdivision, areas comprised of silty sand and some clay be considered for infiltration trenches. Specifically in the vicinity of Phase 1, soils are predominantly silty sand with gravel, making the Phase 1 area suitable for consideration of infiltrative BMP's.

The Phase 1 development is therefore being provided with perforated pipes in rear yards to collect and convey stormwater runoff from adjacent grassed areas and roof surfaces. This application has been used in the City of Ottawa, particularly in rear yards of residential area. The detailed design is being completed by EXP; refer to Section 6.7 of their report for further details.

## 6. WATER QUALITY CONTROL

As discussed in Section 3.1.1, Phase 1 has been divided into sub-catchment areas to reflect drainage connectivity. Minor flow from the drainage areas is collected by storm sewers and conveyed to an off-line Vortechs<sup>®</sup> stormwater treatment unit for water quality treatment of the first flush, prior to being discharged to the recipient Unnamed Drain. Minor flow in excess of the first flush will be conveyed over the bypass weir and discharge directly to the drain, bypassing the Vortechs<sup>®</sup> unit. The locations of the stormwater treatment units are indicated on Figure 3. Details of the storm outlet configurations, including the Vortechs<sup>®</sup> units, are on Drawings 710-712.

The stormwater treatment units will provide water quality treatment by removing core sediments, floating debris and provide oil and grit separation. Sediments removed from the stormwater runoff will be collected within the stormwater treatment units. The units will provide treatment to achieve an Enhanced Level of Protection on a long-term basis (80% suspended solids removal as per the MOE Stormwater Management Planning and Design Manual, March 2003).

**Table 6.1 Summary of Drainage Area and Flows at Vortechs<sup>®</sup> Units**

Vortechs <sup>®</sup> Unit	Tributary Drainage Area (ha)	Flow (cms)	
		First flush	100 year
1	7.35	0.51	1.59
2	4.29	0.20	0.88
3	5.51	0.30	0.81

Sizing of the Vortechs<sup>®</sup> units from the manufacturer is included in Appendix 7B. TSS removal efficiency ranges from 80% to 85% for the three units, meeting or exceeding the 80% criteria.

At Major Outlet 6, as noted in Section 4.2, a minor flow connection to a proposed swale will convey minor flow to the Unnamed Drain on an interim basis. Water quality treatment will be provided by a BMP prior to the storm runoff discharging to the Unnamed Drain. The BMP measures approximately 25 m in length, and has a bottom elevation of 86.46 m, corresponding to a depth of 0.3 m. Flow will be conveyed through the BMP, prior to discharging to the Unnamed Drain via a berm and swale. At the outlet of the BMP, the berm invert is 86.76 m. The swale will be provided with a reinforced grass treatment.

Table 6.2 presents the required storage volumes based on the MOE Stormwater Management Planning and Design Manual (March 2003). The BMP was oversized to provide 53 cu-m storage. A clear stone layer extending 0.3 m below the BMP invert will promote infiltration, and prevent permanent storage in the BMP. The clear stone layer itself will provide additional storage. It is therefore anticipated that the BMP will be dry the majority of the time. Storage in the BMP was oversized and will capture more runoff than required based on the MOE manual, exceeding the enhanced level of protection.

**Table 6.2 Water quality storage volumes for BMP**

<b>Enhanced Level of Protection – Infiltration</b>			
<b>Overall Removal Efficiency of TSS 80%</b>			
<b>Drainage Area (ha)</b>	<b>Imperviousness Ratio (%)</b>	<b>Required Storage (cu-m)</b>	<b>Provided Storage (cu-m)</b>
0.30	59	9	53

## 7. MAINTENANCE AND MONITORING

### 7.1 Routine Maintenance

Routine maintenance is essential in order to ensure the Vortechs<sup>®</sup> units continue to perform as designed. Standardized forms should be developed and completed at the time of each inspection. These completed forms would be filed at the City of Ottawa office for future reference. Utilizing a standardized format will assist in the interpretation of the collected data and the identification of future maintenance needs.

### 7.2 Sediment Removal and Disposal

The Vortechs<sup>®</sup> units, proposed to be built at the outlet of the storm sewer system, would capture much of the solids being transported by the storm flow. Timing for cleanout would have to be scheduled during dry periods of the summer or in the autumn.

Sediment accumulation rates to the Vortechs<sup>®</sup> units will vary depending on numerous factors including the status and maturity of the upstream development, the effectiveness of the adopted silt and erosion control plan implemented during the construction activities, etc. During development of the subdivision, sediment loading to the units could be high. This would necessitate more frequent cleanout. Once construction has been completed within the upstream catchment area, then the frequency of sediment removal would lessen.

It is anticipated that once development has been completed, annual removal of sediments from the units will be required.

### 7.3 Water Quality Monitoring

From the time of commissioning to the 80 % development level, the developer must ensure that the water discharged from the Vortechs<sup>®</sup> units is of an acceptable quality. Effluent monitoring will determine treatment efficiency. The development of the water quality monitoring program will be dictated by the Certificate of Approval from the Ontario Ministry of the Environment and the City of Ottawa requirements. It is understood that monitoring will commence upon the commissioning of the stormwater treatment units.

## 8. EROSION AND SEDIMENTATION CONTROL PLAN

An erosion and sedimentation control plan has been provided in EXP's submission. This plan is to provide guidance to the contractor when they are preparing their own plan, which will need to be approved by a Professional Engineer licensed to work in the Province of Ontario. The contractor's plan must also follow the requirements outlined in the City of Ottawa specifications F-1004.

The detailed erosion and sedimentation control plan to be submitted by the contractors will provide further details regarding types, sizing and location of sediment and erosion control measures, as well as maintenance and emergency procedures. Prior to implementation, the City and Rideau Valley Conservation Authority will approve all erosion and sedimentation control plans.

Utilization of a silt fence will be required around the perimeter of the site during construction of the stormwater management system. During the construction of the outlet to the Unnamed Drain, a straw bale sediment trap should be installed downstream of the disturbed areas.

It is also recommended that the sediment and erosion control plan include standard measures to be implemented within the development site during construction, such as the placing of filter cloth beneath the catch basins and manhole covers. Any deleterious substance collected on the cloths shall be disposed off-site.

Dewatering may be required during construction. Prior to dewatering, a Permit to Take Water must be obtained from the Ontario Ministry of the Environment, which will allow temporary removal of water for the operations. During dewatering, the pumped water should be discharged to a sufficiently large siltation basin provided with an outlet protected by straw bale filters. The size and location of the siltation basin will be determined by the contractor and submitted on their sediment and erosion control plan.

In addition to the erosion and sedimentation control plan, it is also suggested to conduct visual monitoring of the sediment controls (i.e., photographs, reporting, site visits).



## 9. CONCLUSIONS AND RECOMMENDATIONS

Minto is presently proceeding with Phase 1 development. EXP was retained to complete the engineering design and IBI Group was retained to complete the stormwater management. The detailed design of the fish habitat enhancement of the Unnamed Drain will be documented in a separate study.

The recipient watercourse of Phase 1 is the Unnamed Drain. The control point that was considered in the evaluation of water quantity peak flow control is identified as Point A, which is located at the downstream end of the development. Point A is an arbitrarily selected location in close proximity to the Rideau River.

To accomplish peak flow control, stormwater management is required. The stormwater management system consists of a dual drainage concept, in combination with a stormwater management facility servicing Phase 2 lands. Dual drainage is based on inflow rates into the receiving junctions are limited to the minor flow restriction. Storm sewers within the Phase 1 development are sized for the 5 year flow, based on a fixed time of concentration of 10 minutes. Inlet control devices were sized based on the maximum 0.3 m ponding, and the ICD flow was applied as the minor system restriction in SWMHYMO. Storm sewers within future phases of development tributary to the Unnamed Drain have been sized for an inflow equivalent to the 5 year 3 hour Chicago storm event. Section 4 provides a summary of minor system flow restrictions, on-site storage requirements and major system flow information.

The evaluation of the hydraulic grade line, as well as of flood levels in the Unnamed Drain, was completed using XPSWMM. The XPSWMM model represents the complete storm system: the Unnamed Drain, Phase 1 storm sewers, and Phase 2 SWM facility. The detailed design of the fish habitat enhancements to the Unnamed Drain will be presented in a separate study, however, the hydraulics of the Drain were used as the starting water levels for the storm sewer system. A comparison of under-side of footing (USF) elevations and HGL is also included in Section 4. SWMHYMO and XPSWMM model files are provided in Appendix 7D.

To help maintain the runoff volume equilibrium, the Phase 1 development is being provided with perforated pipes in rear yards to collect and convey stormwater runoff from adjacent grassed areas and roof surfaces. This application has been used in the City of Ottawa, particularly in rear yards of residential area. Refer to design details in EXP's submission.

Each minor system outlet will be provided with an off-line Vortechs® stormwater treatment unit for water quality treatment of the first flush, prior to being discharged to the recipient Unnamed Drain. Minor flow in excess of the first flush will bypass the Vortechs® unit and discharge directly to the drain. The locations of the stormwater treatment units are indicated on Figure 3 and design details are provided in Drawings 710-712.

Maintenance, monitoring and sediment and erosion control are discussed in Sections 7 and 8, respectively.

Prepared by

**IBI GROUP**

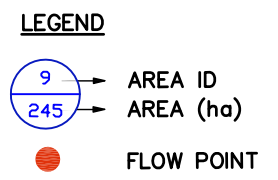
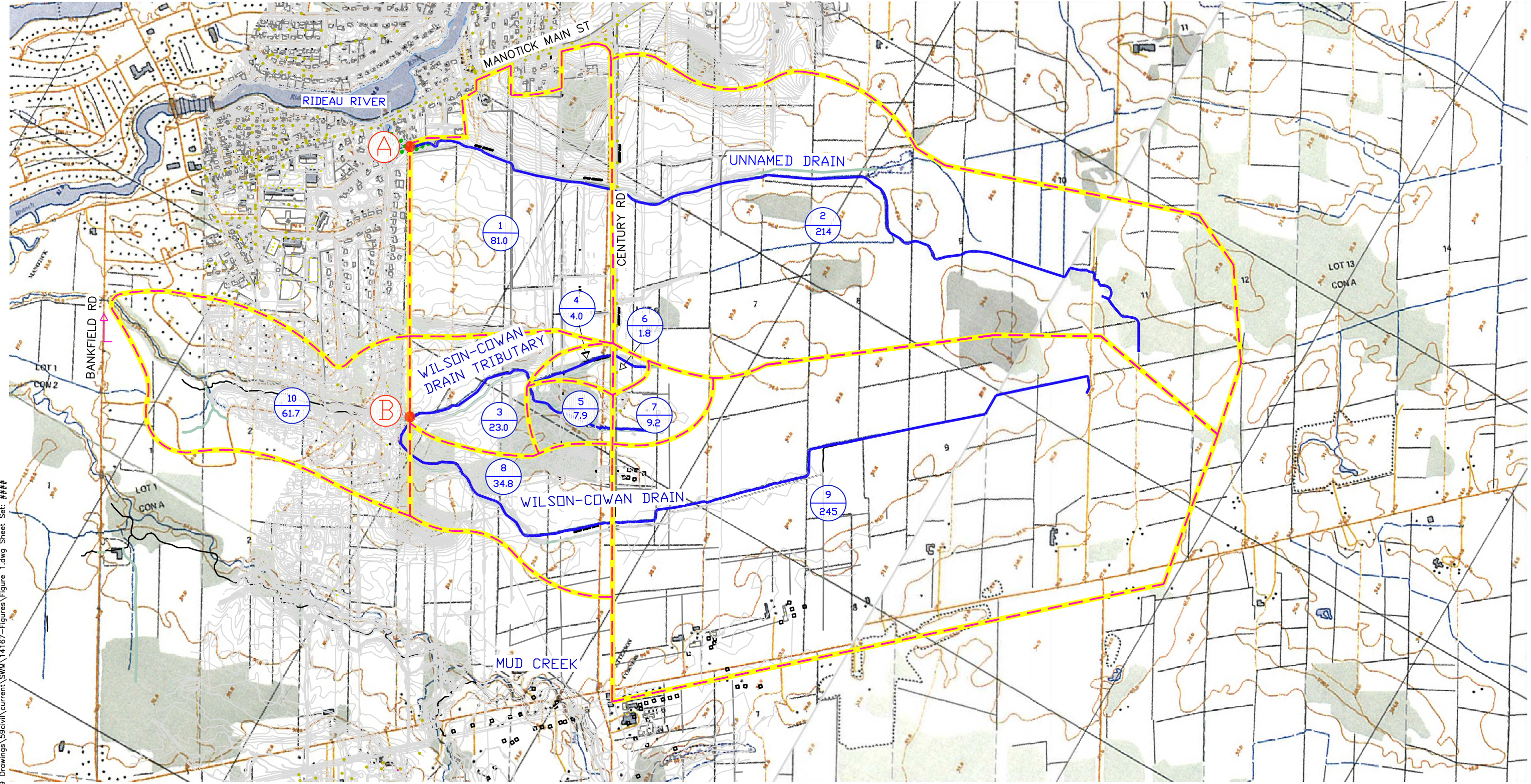
Peter Spal, P.Eng.  
Associate  
Manager, Water Resources

Meghan Black, P.Eng.

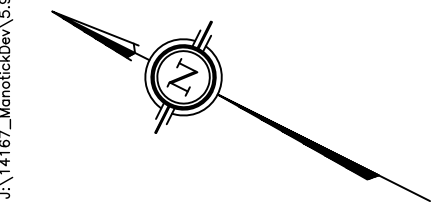
## 10. REFERENCES

1. "Manotick Master Drainage Plan," Robinson Consultants, 1996.
2. "Jock River Reach 2 and Mud Creek Subwatershed Study Existing Conditions Report (Draft)," Marshall Macklin Monaghan & Water and Earth Science Associates, 2005.
3. "Village of Manotick Environmental Management Plan Special Design Area Component," Marshall Macklin Monaghan & Water and Earth Science Associates, 2005.
4. "Natural Resource Assessment (Draft)," EcoTec Environmental Consultants Inc., June 2007.
5. "Mud Creek Subwatershed Existing Conditions – Final Draft," Parish Geomorphic, April 2004.
6. "Preliminary Geotechnical Investigation – Proposed Residential Development Century Road at First Line Road," Paterson Group, January 2007
7. "Mahogany Community Stormwater Management Servicing Report," IBI Group July 2007.
8. "Mahogany Community Phase 1 Stormwater Management and Fish Habitat Enhancement of the Unnamed Drain," IBI Group, January 2011
9. "Preliminary Geotechnical Investigation – Proposed Residential Development Century Road at First Line Road," Paterson Group, January 2007





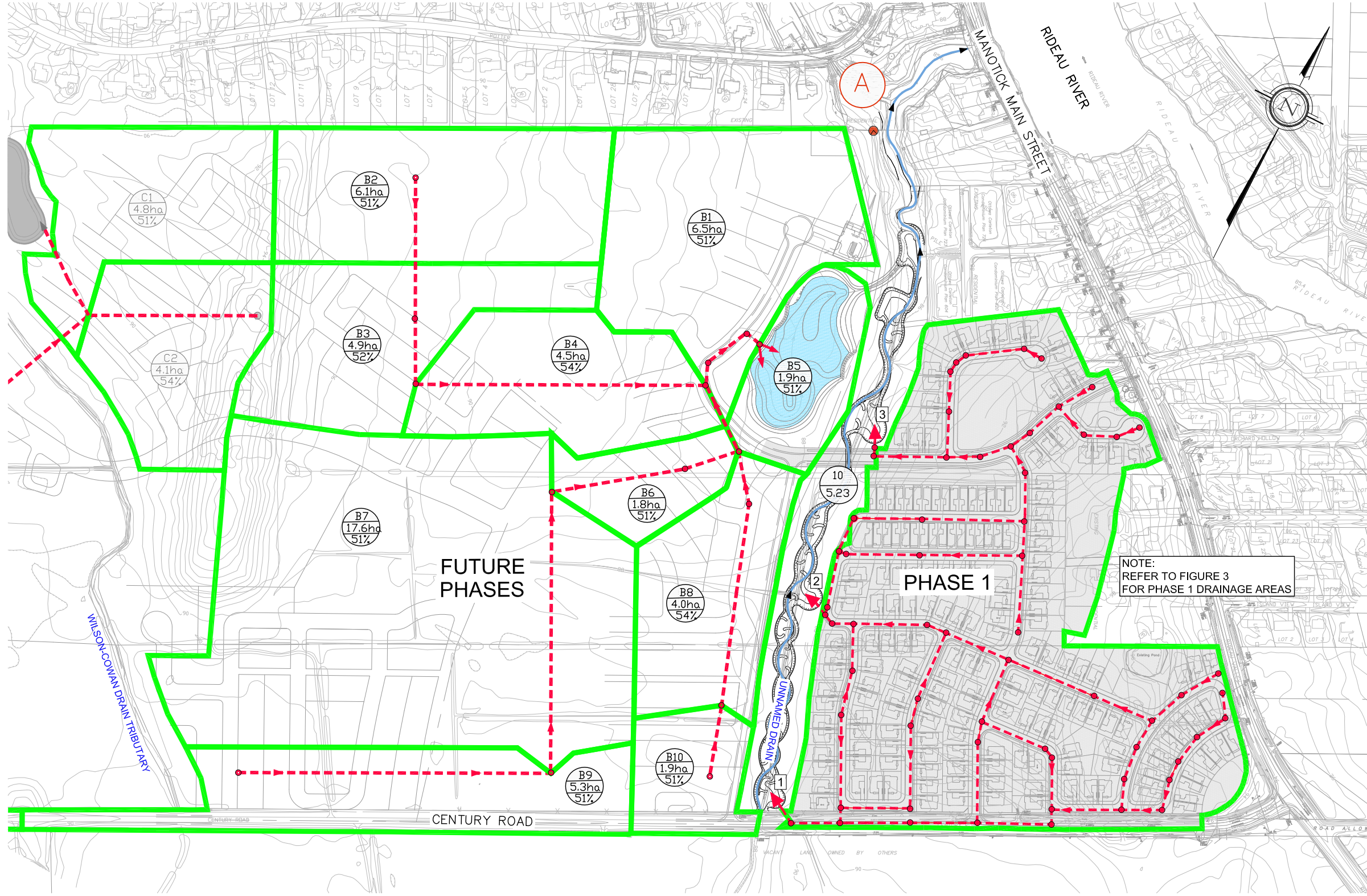
J:\14167\_ManotickDev\5.9 Drawings\59civil\current\SWM\14167-Figures\Figure 1.dwg Sheet Set: ###



Plot Style: AIA STANDARD COLOR-FULL.CTB Plot Scale: 1:1 Plotted At: Mar. 26, 12 2:41 PM Printed By: SLAVICA VUKIC Last Saved By: SVUKIC Last Saved At: Nov. 24, 11



J:\14167\_MonotickDev\5.9 Drawings\59civil\current\SWM\14167-Figures\Figure2.dwg Layout Name: FIG--2 Plot Style: ----- Plot Scale: 1:2.5849 Plotted At: 3/26/2012 12:32 PM Last Saved By: SVU



- LEGEND**
- MANHOLE
  - STORM SEWER
  - SUB-CATCHMENT DRAINAGE BOUNDARIES
  - A2  
2.3ha  
51% → AREA ID (URBAN)  
AREA (ha)  
IMP%
  - 9  
5.9 → AREA ID (RURAL)  
AREA (ha)
  - FLOW POINT
  - ➔ STORM OUTLET
  - 1



Scale  
N.T.S.

Project Title  
**MAHOGANY COMMUNITY  
PHASE 1**

Drawing Title  
**DEVELOPMENT TRIBUTARY  
TO UNNAMED DRAIN**

Sheet No.  
**FIGURE 2**





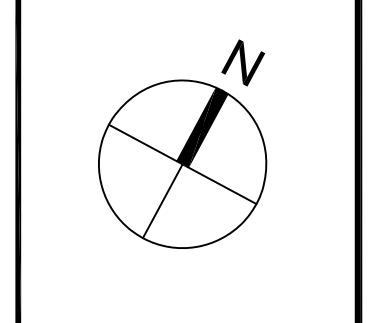
**LEGEND:**

- DRAINAGE AREA
- IMP. (%) [TIME TO PEAK (h)]
- 6.3% (0.25) AREA (ha)
- 207 AREA ID
- PATHWAY (CONCEPTUAL)

14			
13			
12			
11			
10			
9			
8			
7			
6			
5			
4			
3			
2			
1			
No.	REVISIONS	By	Date

**IBI GROUP**  
 333 Preston Street  
 Tower 1, Suite 400  
 Ottawa, Ontario  
 Canada K1S 5N4  
 Tel (613)225-1311  
 FAX (613)225-9868

Project Title  
**MAHOGANY PHASE 1**



Drawing Title  
**MINOR SYSTEM DRAINAGE AREA PLAN**

Scale  
 1:1250

Design	M.B.	Date	NOV. 2011
Drawn	S.V.	Checked	P.S.

Project No. **14167** Drawing No. **FIGURE 3**

\A:\4167\_Mahogany\Drawings\Site\Drawings\14167-Figures\Figures.dwg  
 User: S:\Users\m.brown\Documents\14167-Figures\Figures.dwg  
 Date: 2011-11-22 11:27 AM  
 Plot Scale: 1:1250  
 Plot Size: A1  
 Plot Style: IBI.ctb  
 Plot Device: HP DesignJet T1130



A:\4167\_Mahogany\Drawings\DWG\4167-FIGURE 4 MAJOR SYSTEM AND PONDING PLAN.dwg  
 Plot Scale: 1:1 Plot Size: A4 STANDARD (11x17) Plot Date: 07/2011 11:29 AM Last Saved By: wadec Last Saved At: May 7, 12

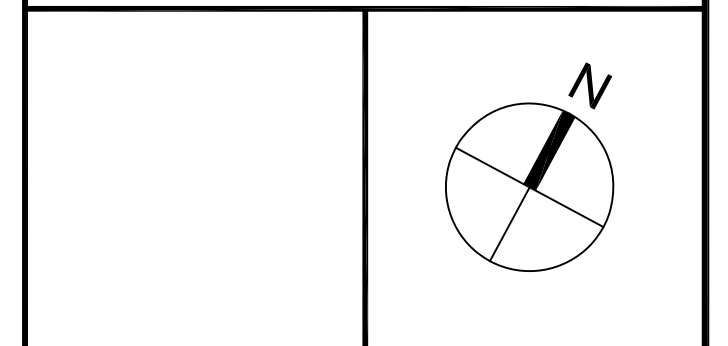


- LEGEND:**
- PONDING VOLUME
  - MAJOR FLOW
  - MAJOR OUTLET
  - DRAINAGE AREA
  - PATHWAY (CONCEPTUAL)

14			
13			
12			
11			
10			
9			
8			
7			
6			
5			
4			
3			
2			
1			
No.	REVISIONS	By	Date

333 Preston Street  
 Tower 1, Suite 400  
 Ottawa, Ontario  
 Canada K1S 5N4  
 Tel (613)225-1311  
 FAX (613)225-9868

Project Title  
**MAHOGANY PHASE 1**



Drawing Title  
**MAJOR SYSTEM AND PONDING PLAN**

Scale  
1:1250

Design	M.B.	Date	NOV. 2011
Drawn	S.V.	Checked	P.S.

Project No.	14167	Drawing No.	FIGURE 4
-------------	-------	-------------	----------



**Appendix 7A**  
Relevant Calculations  
Rational Method Spreadsheet (EXP)  
Revised Rational Method Spreadsheet



**STORM SEWER CALCULATIONS**  
for  
**MAHOGANY - PHASE 1**

exp

LOCATION							PROPOSED SEWER											
STREET	FROM MH	TO MH	Total Area	Area R= 0.2	Area R= 0.9	Runoff C	INDIV. 2.78AR	ACCUM. 2.78AR	TIME OF CONC.	RAINFALL INTENSITY I	PEAK FLOW Q (l/s)	PIPE SIZE (mm)	GRADE (%)	LENGTH (m)	CAPACITY (l/s)	FULL FLOW VELOCITY (m/s)	TIME OF FLOW (min)	
<b>AREA #1</b>																		
Lane No. 1	287	266	0.37	0.179	0.191	0.56	0.58	0.58	10.00	104.19	60.16	304.8	0.75	29.4	87.45	1.20	0.41	
Lane No. 1	266	267	0.31	0.118	0.192	0.63	0.55	1.12	10.41	102.08	114.68	381	0.61	39.6	143.00	1.25	0.53	
Lane No. 1	267	268	0	0.000	0.000	0.00	0.00	1.12	10.94	99.50	111.78	381	0.75	35.8	158.57	1.39	0.43	
Lane No. 1	268	270	0	0.000	0.000	0.00	0.00	1.12	11.36	97.50	109.53	381	0.71	23.9	154.28	1.35	0.29	
Lane No. 1	270	271	0.09	0.042	0.048	0.57	0.14	1.27	11.66	96.18	121.85	381	0.67	35.9	149.87	1.31	0.46	
Century Road	CB 69	Main	0.17	0.113	0.057	0.48	0.21	0.21	10.00	104.19	21.41	203	1.00	12.8	34.16	1.06	0.20	
Street No. 4	271	273	0	0.000	0.000	0.00	0.00	1.47	12.11	94.21	138.71	457.2	0.34	47.2	173.61	1.06	0.74	
Street 6	262	260	0.2	0.135	0.065	0.43	0.24	0.24	10.00	104.19	24.77	254	0.62	50.4	48.90	0.97	0.87	
Street 6	260	259	0	0.000	0.000	0.00	0.00	0.24	10.87	99.81	23.72	254	0.51	44.9	44.35	0.88	0.86	
Street No. 5	237	259	0.26	0.140	0.120	0.52	0.38	0.38	10.00	104.19	39.39	254	1.40	73.1	73.48	1.45	0.84	
Street No. 6	259	275	0	0.000	0.000	0.00	0.00	0.62	11.73	95.88	59.04	304.8	0.71	35.1	85.09	1.17	0.50	
Street No. 6	CB 76	Main	0.36	0.177	0.183	0.56	0.56	0.56	15.00	83.56	46.48	254	2.00	6.8	87.82	1.73	0.07	
Street No. 6	275	276	0.1	0.057	0.043	0.50	0.14	1.31	15.07	83.35	109.29	457.2	0.50	40.1	210.53	1.28	0.52	
Street No. 6	276	273	0.3	0.147	0.153	0.56	0.46	1.78	15.59	81.71	145.10	457.2	1.09	35.9	310.84	1.89	0.32	
Street No. 4	273	257	0	0.000	0.000	0.00	0.00	3.25	15.90	80.75	262.29	685.8	0.19	81.0	382.63	1.04	1.30	
Street No. 4	CB 68	CBMH 67	0.23	0.178	0.052	0.36	0.23	0.23	15.00	83.56	19.17	203	2.00	32.2	48.31	1.49	0.36	
Street No. 4	CBMH 67	main	0.04	0.026	0.014	0.45	0.05	0.28	15.36	82.41	22.99	203	2.00	11.3	48.31	1.49	0.13	
Street No. 4	256	257	0.59	0.282	0.308	0.57	0.93	1.21	15.49	82.02	98.95	304.8	1.83	61.1	136.61	1.87	0.54	
Century Road	257	258	0	0.000	0.000	0.00	0.00	4.45	17.21	77.05	343.21	685.8	0.23	17.1	420.99	1.14	0.25	
Century Road	CBMH 64	Main	0.19	0.109	0.081	0.50	0.26	0.26	10.00	104.19	27.41	533.4	2.00	5.5	635.14	2.84	0.03	
Century Road	258	242	0	0.000	0.000	0.00	0.00	4.72	17.46	76.38	360.33	685.8	0.31	86.5	488.75	1.32	1.09	
Street No. 4	256	255	0	0.000	0.000	0.00	0.00	0.00	10.00	104.19	0.00	254	0.94	12.8	60.21	1.19	0.18	
Street No. 4	CB 66	main	0.16	0.089	0.074	0.52	0.23	0.23	15.00	83.56	19.50	203	1.00	11.5	34.16	1.06	0.18	
Street No. 4	255	240	0.35	0.117	0.233	0.67	0.65	0.88	15.18	82.98	73.13	381	0.46	79.8	124.18	1.09	1.22	
Street No. 1	226	240	0.04	0.024	0.017	0.49	0.05	0.05	10.00	104.19	5.66	254	2.08	78.5	89.56	1.77	0.74	
Street No. 1	240	241	0	0.000	0.000	0.00	0.00	0.94	16.40	79.28	74.19	381	2.39	24.3	283.06	2.48	0.16	
Street No. 1	CB 65	CBMH 75	0.35	0.206	0.144	0.49	0.47	0.47	15.00	83.56	39.67	254	2.78	26.2	103.54	2.04	0.21	
Street No. 1	CBMH 75	Main	0.03	0.027	0.003	0.27	0.02	0.50	15.21	82.87	41.22	254	2.00	13.3	87.82	1.73	0.13	
Street No. 1	241	242	0.47	0.203	0.267	0.60	0.78	2.21	16.57	78.82	174.50	381	2.49	93.6	288.92	2.53	0.62	
Century Road	242	243	0.00	0.000	0.000	0.00	0.00	6.93	18.55	73.61	510.26	762	0.35	77.9	687.79	1.51	0.86	
Century Road	243	248	0	0.000	0.000	0.00	0.00	6.93	19.41	71.58	496.17	762	1.01	81.1	1168.38	2.56	0.53	
Street No. 2	252	254	0.25	0.090	0.160	0.65	0.45	0.45	10.00	104.19	46.92	304.8	1.46	32.3	122.02	1.67	0.32	
Street No. 2	CB 70	Main	0.38	0.180	0.200	0.57	0.60	0.60	15.00	83.56	50.17	304.8	2.00	36.4	142.81	1.96	0.31	
Street No. 2	254	244	0.30	0.130	0.170	0.60	0.50	1.55	15.31	82.57	127.85	457.2	1.18	96.1	323.42	1.97	0.81	
Street No. 2	CB 63	CBMH 73	0.21	0.101	0.109	0.56	0.33	0.33	15.00	83.56	27.48	254	1.00	26.9	62.10	1.23	0.37	
Street No. 2	CBMH 73	244	0.02	0.013	0.007	0.45	0.02	0.35	15.37	82.39	29.14	254	1.00	10.0	62.10	1.23	0.14	
Street No. 2	244	245	0.33	0.172	0.198	0.64	0.59	2.49	16.12	80.10	199.69	533.4	1.22	81.0	496.06	2.22	0.61	
Street No. 2	234	233	0	0.000	0.000	0.00	0.00	0.00	10.00	104.19	0.00	304.8	0.40	52.0	63.87	0.88	0.99	
Street No. 2	CB 60	Main	0.34	0.168	0.172	0.55	0.52	0.52	15.00	83.56	43.76	254	1.00	39.6	62.10	1.23	0.54	
Street No. 2	CB 72	CBMH 61	0.20	0.093	0.107	0.57	0.32	0.32	15.00	83.56	26.69	203	1.75	28.0	45.19	1.40	0.33	
Street No. 2	CBMH 61	Main	0.05	0.034	0.016	0.43	0.06	0.38	15.33	82.49	31.23	254	2.00	11.5	87.82	1.73	0.11	
Street No. 2	233	245	0.34	0.140	0.200	0.61	0.58	1.48	15.54	81.86	121.19	457.2	0.36	108.3	178.64	1.09	1.66	
Century Road	245	248	0	0.000	0.000	0.00	0.00	3.97	17.20	77.07	306.25	762	0.51	17.6	830.25	1.82	0.16	
Century Road	CBMH 62	Main	0.32	0.192	0.128	0.48	0.43	0.43	15.00	83.56	35.68	533.4	1.00	8.2	449.11	2.01	0.07	
Century Road	248	249	0	0.000	0.000	0.00	0.00	11.33	17.36	76.64	868.48	1066.8	0.51	57.4	2036.50	2.28	0.42	
Century Road	249	288	0	0.000	0.000	0.00	0.00	11.33	17.78	75.54	856.01	1066.8	0.11	18.2	945.79	1.06	0.29	

**STORM SEWER CALCULATIONS**  
for  
**MAHOGANY - PHASE 1**

exp

LOCATION							INDIV. 2.78AR	ACCUM. 2.78AR	TIME OF CONC.	RAINFALL INTENSITY I	PEAK FLOW Q (l/s)	PROPOSED SEWER					
STREET	FROM MH	TO MH	Total Area	Area R= 0.2	Area R= 0.9	Runoff C						PIPE SIZE (mm)	GRADE (%)	LENGTH (m)	CAPACITY (l/s)	FULL FLOW VELOCITY (m/s)	TIME OF FLOW (min)
<b>AREA #2</b>																	
Street No. 5	237	226	0.25	0.110	0.140	0.59	0.41	0.41	10.00	104.19	42.87	254	1.35	108.6	72.16	1.42	1.27
Street No. 3	226	227	0	0.000	0.000	0.00	0.00	0.41	11.27	97.93	40.29	254	2.76	78.5	103.17	2.04	0.64
Street No. 2	CB 58	main	0.11	0.058	0.052	0.53	0.16	0.16	15.00	83.56	13.57	203	1.00	8.5	34.16	1.06	0.13
Street No. 2	252	227	0.37	0.160	0.210	0.60	0.61	0.78	15.13	83.13	64.57	381	0.40	82.9	115.80	1.02	1.36
Street No. 3	227	228	0	0.000	0.000	0.00	0.00	1.19	16.49	79.02	93.89	381	2.58	23.3	294.10	2.58	0.15
Street No. 3	228	229	0.22	0.100	0.120	0.58	0.36	1.54	16.65	78.59	121.35	381	3.07	86.4	320.81	2.81	0.51
Street No. 2	CB 59	main	0.21	0.098	0.112	0.57	0.33	0.33	15.00	83.56	27.97	254	2.00	11.3	87.82	1.73	0.11
Street No. 2	234	229	0.38	0.176	0.204	0.58	0.61	0.94	15.11	83.21	78.46	457.2	1.00	54.9	297.73	1.81	0.50
Street No. 3	229	230	0	0.000	0.000	0.00	0.00	2.49	17.16	77.18	191.95	457.2	2.11	24.2	432.48	2.63	0.15
Street No. 3	230	217A	0.00	0.000	0.000	0.00	0.00	2.49	17.31	76.77	190.92	685.8	0.23	13.0	420.99	1.14	0.19
Street No. 3	217A	232A	0.00	0.000	0.000	0.00	0.00	2.49	17.50	76.26	189.67	685.8	0.16	6.2	351.13	0.95	0.11
Lane No. 2	220	222	0.3	0.094	0.206	0.68	0.57	0.57	10.00	104.19	59.15	304.8	1.28	119.3	114.25	1.57	1.27
Lane No. 2	222	283	0.19	0.065	0.125	0.66	0.35	0.92	11.27	97.93	89.76	381	0.99	78.7	182.18	1.60	0.82
Lane No. 2	283	216	0.1	0.000	0.069	0.62	0.17	1.09	12.09	94.31	102.63	381	0.97	42.1	180.33	1.58	0.44
Street No. 3	CB 53	main	0.03	0.013	0.018	0.61	0.05	0.05	15.00	83.56	4.24	203	1.00	11.6	34.16	1.06	0.18
Street No. 3	CB 55	main	0.54	0.280	0.260	0.54	0.81	0.81	15.00	83.56	67.36	254	2.50	39.9	98.19	1.94	0.34
Street No. 3	219	223	0.37	0.150	0.220	0.62	0.63	1.49	15.34	82.46	122.94	381	2.17	119.5	269.72	2.37	0.84
Street No. 3	CB 56	CBMH 57	0.27	0.143	0.127	0.53	0.40	0.40	15.00	83.56	33.19	203	2.21	28.5	50.78	1.57	0.30
Street No. 3	CBMH 57	MAIN	0.05	0.030	0.020	0.48	0.07	0.46	15.30	82.59	38.29	254	2.00	11.5	87.82	1.73	0.11
Street No. 3	223	282	0.55	0.244	0.306	0.59	0.90	2.86	16.19	79.91	228.21	457.2	1.64	85.0	381.29	2.32	0.61
Street No. 3	282	216	0	0.000	0.000	0.00	0.00	2.86	16.80	78.17	223.24	457.2	0.90	10.0	282.45	1.72	0.10
Street No. 3	216	217	0.35	0.133	0.217	0.63	0.62	4.56	16.89	77.90	355.30	685.8	0.38	66.3	541.12	1.46	0.75
Street No. 3	217	232A	0	0.000	0.000	0.00	0.00	4.56	17.50	76.26	347.82	838.2	0.25	4.0	749.51	1.36	0.05
Street No. 3	232A	232	0	0.000	0.000	0.00	0.00	7.05	17.61	75.98	535.47	914.4	0.26	3.9	963.96	1.47	0.04

**STORM SEWER CALCULATIONS**  
for  
**MAHOGANY - PHASE 1**

exp

LOCATION							INDIV. 2.78AR	ACCUM. 2.78AR	TIME OF CONC.	RAINFALL INTENSITY I	PEAK FLOW Q (l/s)	PROPOSED SEWER					
STREET	FROM MH	TO MH	Total Area	Area R= 0.2	Area R= 0.9	Runoff C						PIPE SIZE (mm)	GRADE (%)	LENGTH (m)	CAPACITY (l/s)	FULL FLOW VELOCITY (m/s)	TIME OF FLOW (min)
<b>AREA #3</b>																	
Street No. 1	CB 54	main	0.2	0.138	0.063	0.42	0.23	0.23	15.00	83.56	19.45	203	1.00	8.3	34.16	1.06	0.13
Street No. 1	225	219	0.39	0.140	0.250	0.65	0.70	0.94	15.13	83.14	77.83	304.8	2.19	89.4	149.44	2.05	0.73
Street No. 1	CB 52	main	0.73	0.720	0.010	0.21	0.43	0.43	15.00	83.56	35.54	254	1.00	43.7	62.10	1.23	0.59
Street No. 1	219	220	0.19	0.070	0.120	0.64	0.34	1.70	15.86	80.88	137.55	304.8	3.14	39.8	178.94	2.45	0.27
Street No. 1	CB 50	CBMH 51	0.63	0.580	0.050	0.26	0.45	0.45	15.00	83.56	37.40	254	3.36	35.1	113.83	2.25	0.26
Street No. 1	CBMH 51	main	0.04	0.020	0.020	0.55	0.06	0.51	16.13	80.08	40.74	254	2.00	9.3	87.82	1.73	0.09
Street No. 1	220	281	0	0.000	0.000	0.00	0.00	2.21	16.22	79.82	176.35	381	1.54	57.0	227.22	1.99	0.48
Street No. 1	281	205	0.47	0.200	0.270	0.60	0.79	3.00	16.70	78.45	235.06	457.2	1.28	34.5	336.85	2.05	0.28
Street No. 11	277	278	0	0.000	0.000	0.00	0.00	0.00	10.00	104.19	0.00	254	1.11	27.9	65.43	1.29	0.36
Street No. 11	278	279	0.3	0.130	0.170	0.60	0.50	0.50	10.36	102.33	50.92	254	0.99	38.2	61.79	1.22	0.52
Street No. 11	CB 48	main	0.04	0.025	0.015	0.47	0.05	0.05	15.00	83.56	4.33	203	2.00	8.1	48.31	1.49	0.09
Street No. 11	279	203	0.41	0.260	0.150	0.46	0.52	1.07	15.09	83.27	89.04	304.8	1.67	44.4	130.50	1.79	0.41
Street No. 7	202	203	0	0.000	0.000	0.00	0.00	0.00	10.00	104.19	0.00	254	1.66	45.9	80.01	1.58	0.48
Street No. 7	203	204	0.11	0.050	0.060	0.58	0.18	1.25	15.50	81.96	102.23	381	0.76	44.8	159.62	1.40	0.53
Street No. 7	CB 49	main	0.06	0.043	0.017	0.40	0.07	0.07	15.00	83.56	5.58	203	2.00	14.2	48.31	1.49	0.16
Street No. 7	204	205	0.06	0.024	0.036	0.62	0.10	1.42	16.04	80.35	113.89	381	0.85	27.0	168.81	1.48	0.30
Street No. 7	205	206	0.00	0.000	0.000	0.00	0.00	4.41	16.98	77.67	342.83	533.4	2.14	37.4	656.99	2.94	0.21
Street No. 7	206	207	0.13	0.056	0.074	0.60	0.22	4.63	17.19	77.10	356.95	533.4	2.39	38.8	694.31	3.11	0.21
Street No. 9	210	211	0.00	0.000	0.000	0.00	0.00	0.00	10.00	104.19	0.00	254	3.10	22.6	109.34	2.16	0.17
Street No. 9	211	285	0.29	0.150	0.140	0.54	0.43	0.43	10.17	103.28	44.79	254	1.24	68.8	69.15	1.36	0.84
Street No. 9	285	212	0.29	0.150	0.140	0.54	0.43	0.87	11.01	99.12	85.97	457.2	0.22	13.8	139.65	0.85	0.27
Street No. 9	212	284	0.00	0.000	0.000	0.00	0.00	0.87	11.29	97.86	84.88	533.4	0.32	12.4	254.05	1.14	0.18
Street No. 9	CBMH 83	284	0.80	0.800	0.000	0.20	0.44	0.44	15.00	83.56	37.17	254	1.76	15.9	82.39	1.63	0.16
Street No. 9	284	208	0.00	0.000	0.000	0.00	0.00	1.31	15.16	83.03	108.95	533.4	0.22	46.4	210.65	0.94	0.82
Street No. 9	208	207	0.12	0.063	0.057	0.53	0.18	1.49	15.98	80.51	119.94	609.6	0.17	53.1	264.38	0.91	0.98
Street No. 7	207	214	0.25	0.099	0.151	0.62	0.43	6.55	17.40	76.54	501.53	914.4	0.39	85.6	1180.61	1.80	0.79
Street No. 7	214	213	0	0.000	0.000	0.00	0.00	6.55	18.19	74.49	488.13	914.4	0.19	10.6	824.05	1.25	0.14

**REVISED STORM SEWER DESIGN SHEET**  
**MAHOGANY - PHASE 1**  
**IBI GROUP**

STREET	FROM MH	TO MH	IBI GROUP ID	RECEIVING MH	AREA	Runoff C	INDIV. 2.78AR	ACCUM. 2.78AR	TIME OF CONC.	RAINFALL INTENSITY I	PEAK FLOW Q (l/s)	CB IDs	No. of ICDs per plan	ICD RESTRICTED FLOW (l/s)							ICD Capture (l/s)						
														Inlet						Custom							
														75VHV-1 7.00	X 14.95	A 22.3	B 31.7	C 41.3	D 61.4			F 83.7					
<b>AREA #1</b>																											
Street No. 5			RY FREE 5		0.73	0.48	0.97	0.97	10.00	104.19	101.50													N/A (overland to pond)			
Street No. 5	237	259	237A	237	0.26	0.52	0.38	0.38	10.00	104.19	39.39	32, 32A	2			2								44.6			
Street No. 6	262	260	262	262	0.20	0.43	0.24	0.24	10.00	104.19	24.77	44, T44	1				1							31.7			
Lane No. 1	270	271	271A	271	0.09	0.57	0.14	0.14	10.00	104.19	14.95	43, T43	1			1								14.95			
Century Road	CB 69	Main	271B	271	0.17	0.48	0.21	0.21	10.00	104.19	21.41	69	1			1								22.3			
Lane No. 1	287	266	267	267	0.37	0.56	0.58	0.58	10.00	104.19	60.16	43A, T43A	1										1	61.4			
Lane No. 1	266	267	287	287	0.31	0.63	0.55	0.55	10.00	104.19	56.89	42, T42	1										1	61.4			
Lane No. 1			RY FREE 4		0.55	0.40	0.61	0.61	10.00	104.19	63.72													N/A (overland to Manotick Main St ditch)			
Street No. 6	CB 76	Main	RY275	275	0.36	0.56	0.56	0.56	10.00	104.19	57.96	76	1										1	61.4			
Street No. 6	275	276	275	275	0.10	0.50	0.14	0.14	10.00	104.19	14.51	45, T45	1			1								14.95			
Street No. 6	276	273	276	276	0.30	0.56	0.46	0.46	10.00	104.19	48.40	46, T46	1										1	61.4			
Street No. 4	CB 68	CBMH 67	RY256	256	0.27	0.37	0.28	0.28	10.00	104.19	28.94	CBMH 67	1											31.7			
Street No. 4	256	257	256	256	0.59	0.57	0.93	0.93	10.00	104.19	96.63	40, T40, 41, 74	3					2	1					104.7			
Century Road	CBMH 64	Main	258	258	0.19	0.50	0.26	0.26	10.00	104.19	27.41	CBMH 64	1											275.6			
Street No. 4	CB 66	main	RY255	255	0.16	0.52	0.23	0.23	10.00	104.19	24.32	66	1					1						31.7			
Street No. 4	255	240	255	255	0.35	0.67	0.65	0.65	10.00	104.19	67.52	39, T39	1						0				1	83.7			
Street No. 1	226	240	226	226	0.04	0.49	0.05	0.05	10.00	104.19	5.66	17	1	1										7.0			
Street No. 1	CB 65	CBMH 75	RY241	241	0.38	0.47	0.49	0.49	10.00	104.19	51.21	CBMH 75	1											1	61.4		
Street No. 1	241	242	241	241	0.47	0.60	0.78	0.78	10.00	104.19	81.36	18, T18, 19, 20	3											2	85.9		
Street No. 2	252	254	252A	252A	0.25	0.65	0.45	0.45	10.00	104.19	46.92	37, T37	1											1	61.4		
Street No. 2	CB 70	Main	RY254	254	0.38	0.57	0.60	0.60	10.00	104.19	62.57	70	1											1	83.7		
Street No. 2	254	244	254	254	0.30	0.60	0.50	0.50	10.00	104.19	51.85	36, T36	1											1	61.4		
Street No. 2	CB 63	CBMH 73	RY244	244	0.23	0.55	0.35	0.35	10.00	104.19	36.64	CBMH 73	1											1	41.3		
Century Road	CBMH 62	Main	248	248	0.32	0.48	0.43	0.43	10.00	104.19	44.49	CBMH 62	1											325.1	325.1		
Street No. 2	244	245	244	244	0.33	0.64	0.59	0.59	10.00	104.19	61.58	35, 35A	1											2	122.8		
Street No. 2	CB 60	Main	RY233A	233	0.34	0.55	0.52	0.52	10.00	104.19	54.57	60	1											1	61.4		
Street No. 2	CB 72	CBMH 61	RY233B	233	0.25	0.54	0.38	0.38	10.00	104.19	39.10	CBMH 61	1											1	41.3		
Street No. 2	233	245	233	233	0.34	0.61	0.58	0.58	10.00	104.19	60.25	34, 76	2											2	122.8		
Street No. 2			RY FREE 3		0.67	0.53	0.99	0.99	10.00	104.19	102.86														N/A (overland to drain)		
<b>AREA #2</b>																											
Street No. 5	237	226	237B	237	0.25	0.59	0.41	0.41	10.00	104.19	42.87	30, T30	1											1	61.4		
Street No. 2	CB 58	main	RY252	252	0.11	0.53	0.16	0.16	10.00	104.19	16.92	58	1											1	22.3		
Street No. 2	252	227	252B	252	0.37	0.60	0.61	0.61	10.00	104.19	64.01	38, T38, 29	2												73.0		
Street No. 3	228	229	228	228	0.22	0.58	0.36	0.36	10.00	104.19	37.08	28, T28	1												41.3		
Street No. 2	CB 59	main	RY234	234	0.21	0.57	0.33	0.33	10.00	104.19	34.67	59	1											1	41.3		
Street No. 2	234	229	234	234	0.38	0.58	0.61	0.61	10.00	104.19	63.38	33, 33A	1											2	167.4		
Street No. 3	CB 53	main	RY219A	219	0.03	0.61	0.05	0.05	10.00	104.19	5.29	53	1	1											7.0		
Street No. 3	CB 55	main	RY219B	219	0.54	0.54	0.81	0.81	10.00	104.19	84.00	55	1												84.8		
Street No. 3	219	223	219A	219	0.37	0.62	0.63	0.63	10.00	104.19	66.04	24, T24, 25, T25	2												73.0		
Street No. 3	CB 56	Main	RY223	223	0.32	0.51	0.46	0.46	10.00	104.19	47.53	57	1												61.4		
Street No. 3	223	282	223	223	0.55	0.59	0.90	0.90	10.00	104.19	93.91	26, 26A	2												102.7		
Lane No. 2	220	222	220	220	0.3	0.68	0.57	0.57	10.00	104.19	59.15	21, T21	1												61.4		
Lane No. 2	222	283	222	222	0.19	0.66	0.35	0.35	10.00	104.19	36.35	22, T22	1												41.3		
Lane No. 2	283	216	283	283	0.1	0.62	0.17	0.17	10.00	104.19	17.88	23, T23	1												22.3		
Street No. 3	216	217	216	216	0.35	0.63	0.62	0.62	10.00	104.19	64.27	27, 76	1												83.7		
Lane No. 2			RY FREE 2		0.63	0.41	0.72	0.72	10.00	104.19	74.82														N/A (overland to drain)		

**REVISED STORM SEWER DESIGN SHEET  
MAHOGANY - PHASE 1  
IBI GROUP**

STREET	FROM MH	TO MH	IBI GROUP ID	RECEIVING MH	AREA	Runoff C	INDIV. 2.78AR	ACCUM. 2.78AR	TIME OF CONC.	RAINFALL INTENSITY I	PEAK FLOW Q (l/s)	CB IDs	No. of ICDs per plan	ICD RESTRICTED FLOW (l/s)							ICD Capture (l/s)		
														Inlet								Custom	
														75VHV-1 7.00	X 14.95	A 22.3	B 31.7	C 41.3	D 61.4	F 83.7			
<b>AREA #3</b>																							
Street No. 1	CB 54	main	RY225	225	0.2	0.42	0.23	0.23	10.00	104.19	24.26	54	1									31.7	
Street No. 1	225	219	225	225	0.39	0.65	0.70	0.70	10.00	104.19	73.28	15, T15, 16, T16	2										82.6
Street No. 1	CB 52	main	RY219C	219	0.73	0.21	0.43	0.43	10.00	104.19	44.32	52	1										61.4
Street No. 1	219	220	219B	219	0.19	0.64	0.34	0.34	10.00	104.19	35.34	14, T14	1										41.3
Street No. 1	CB 50	CBMH 51	RY281	281	0.67	0.28	0.52	0.52	10.00	104.19	54.34	CBMH 51	1										61.4
Street No. 11	278	279	278	278	0.3	0.60	0.50	0.50	10.00	104.19	51.85	12, 80	2										54.0
Street No. 11	CB 48	main	RY279	279	0.04	0.47	0.05	0.05	10.00	104.19	5.40	48	1	1									7.0
Street No. 11	279	203	279	279	0.41	0.46	0.52	0.52	10.00	104.19	54.17	81, 11	2										63.4
Street No. 7	203	204	203	203	0.11	0.58	0.18	0.18	10.00	104.19	18.54	9	1										22.3
Street No. 7	CB 49	main	RY204	204	0.06	0.40	0.07	0.07	10.00	104.19	6.96	49	1	1									7.0
Street No. 7	204	205	204	204	0.06	0.62	0.10	0.10	10.00	104.19	10.78	8	1										14.95
Street No. 1	281	205	281	281	0.47	0.60	0.79	0.79	10.00	104.19	81.97	13, T13	1										83.7
Street No. 7	206	207	206	206	0.13	0.60	0.22	0.22	10.00	104.19	22.54	7, T7	1										31.7
Street No. 9	211	285	211	211	0.29	0.54	0.43	0.43	10.00	104.19	45.19	1, T1	1										61.4
Street No. 9	CBMH 83	284	284	284	0.80	0.20	0.44	0.44	10.00	104.19	46.35	CBMH 83	1										61.4
Street No. 9	208	207	208	208	0.12	0.53	0.18	0.18	10.00	104.19	18.51	3, T3	1										22.3
Street No. 9	285	212	285	285	0.29	0.54	0.43	0.43	10.00	104.19	45.19	2, T2	1										61.4
Street No. 7	207	214	207	207	0.25	0.62	0.43	0.43	10.00	104.19	45.10	5, T5, 6, T6	2										54.0
Street No. 7			LP		0.3	0.61	0.51	0.51	10.00	104.19	53.01	4, T4	1										61.4
Lane No. 2			RY FREE 1		1.05	0.50	1.46	1.46	10.00	104.19	152.07												N/A (overland to drain)

2597

3744



## Appendix 7A

### Impervious length

The impervious length parameter was determined as per the City of Ottawa Sewer Design Guidelines (November 2004) and based on calculations from Appendix 8.

The length parameter (LGI) is based on the average between the trunk sewer length and a calculated length based on area, as outlined below:

$L_M$  = measured length of trunk sewer within the sub-catchment area

$$L_C = \sqrt{\frac{A}{1.5}} \quad \text{where: } A = \text{area in } m^2$$

$$LGI = (L_M + L_C) / 2$$

ID	Area (ha)	Lm (m)	Lc (m)	LGI (m)
237A	0.26	72	41.6	57
262	0.20	53	36.5	45
271A	0.09	40	24.5	32
271B	0.17	102	33.7	68
267	0.37	73	49.7	61
287	0.31	61	45.5	53
RY275	0.36	115	49.0	82
275	0.10	38	25.8	32
276	0.30	69	44.7	57
RY256	0.27	83	42.4	63
256	0.59	61	62.7	62
258	0.19	140	35.6	88
RY255	0.16	70	32.7	51
255	0.35	70	48.3	59
226	0.04	38	16.3	27
RY241	0.38	100	50.3	75
241	0.47	115	56.0	85
252A	0.25	28	40.8	34
RY254	0.38	160	50.3	105
254	0.30	70	44.7	57
RY244	0.23	55	39.2	47
248	0.32	205	46.2	126
244	0.33	106	46.9	76
RY233A	0.34	93	47.6	70
RY233B	0.25	74	40.8	57
233	0.34	95	47.6	71
RY FREE 3	0.67	44	66.8	55
237B	0.25	82	40.8	61
RY252	0.11	60	27.1	44
252B	0.37	50	49.7	50
228	0.22	80	38.3	59
RY234	0.21	67	37.4	52
234	0.38	55	50.3	53

<b>ID</b>	<b>Area (ha)</b>	<b>Lm (m)</b>	<b>Lc (m)</b>	<b>LGI (m)</b>
RY219A	0.03	13	14.1	14
RY219B	0.54	103	60.0	82
219A	0.37	105	49.7	77
RY223	0.32	92	46.2	69
223	0.55	105	60.6	83
220	0.3	75	44.7	60
222	0.19	65	35.6	50
283	0.1	65	25.8	45
216	0.35	105	48.3	77
RY FREE 2	0.63	170	64.8	117
RY225	0.2	60	36.5	48
225	0.39	70	51.0	60
219B	0.19	45	35.6	40
278	0.3	37	44.7	41
RY279	0.04	19	16.3	18
279	0.41	74	52.3	63
203	0.11	50	27.1	39
204	0.06	59	20.0	40
281	0.47	100	56.0	78
206	0.13	57	29.4	43
211	0.29	48	44.0	46
208	0.12	47	28.3	38
285	0.29	130	44.0	87
207	0.25	83	40.8	62
LP	0.3	140	44.7	92
B1	6.5	204	208.2	206
B2	6.1	100	201.7	151
B3	4.9	139	180.7	160
B4	4.5	338	173.2	256
B5	1.9	291	112.5	202
B6	1.8	222	109.5	166
B7	17.6	327	342.5	335
B8	4	296	163.3	230
B9	5.3	360	188	274

### **Calculation of velocity in the Unnamed Drain**

Flow and average depth were evaluated with XPSWMM and velocity was evaluated manually using the continuity equation,  $Q = AV$ .

#### **To STA 0+472**

*Cross-section: refer to Chart 4.1*

##### **25 mm**

Depth of flow = 0.52 m

Corresponding cross-sectional area = 1.943 m<sup>2</sup>

Solving for v:

$$v = 0.64 \text{ m}^3/\text{s} / 1.943 \text{ m}^2 = 0.33 \text{ m/s}$$

##### **100 year**

Depth of flow = 1.12 m

Corresponding cross-sectional area = 16.107 m<sup>2</sup>

Solving for v:

$$v = 4.87 \text{ m}^3/\text{s} / 16.107 \text{ m}^2 = 0.30 \text{ m/s}$$

#### **From STA 0+472 to STA 0+550**

*Cross-section: refer to Chart 4.1*

##### **25 mm**

Depth of flow = 0.37 m

Corresponding cross-sectional area = 0.466 m<sup>2</sup>

Solving for v:

$$v = 0.64 \text{ m}^3/\text{s} / 0.466 \text{ m}^2 = 1.37 \text{ m/s}$$

##### **100 year**

Depth of flow = 0.82 m

Corresponding cross-sectional area = 7.762 m<sup>2</sup>

Solving for v:

$$v = 4.91 \text{ m}^3/\text{s} / 7.762 \text{ m}^2 = 0.63 \text{ m/s}$$

**From STA 0+550 to 0+800 (end of proposed works)**

*Cross-section: refer to Chart 4.2*

**25 mm**

Depth of flow = 0.33 m

Corresponding cross-sectional area = 1.759 m<sup>2</sup>

Solving for v:

$$v = 0.64 \text{ m}^3/\text{s} / 1.759 \text{ m}^2 = 0.36 \text{ m/s}$$

**100 year**

Depth of flow = 0.95 m

Corresponding cross-sectional area = 6.174 m<sup>2</sup>

Solving for v:

$$v = 4.94 \text{ m}^3/\text{s} / 6.174 \text{ m}^2 = 0.80 \text{ m/s}$$

**Existing Drain Downstream of STA 0+800 (to Point A)**

*Cross-section: refer to Chart 4.3*

**25 mm**

Depth of flow = 0.36 m

Corresponding cross-sectional area = 1.037 m<sup>2</sup>

Solving for v:

$$v = 0.73 \text{ m}^3/\text{s} / 1.037 \text{ m}^2 = 0.70 \text{ m/s}$$

**100 year**

Depth of flow = 1.16 m

Corresponding cross-sectional area = 17.813 m<sup>2</sup>

Solving for v:

$$v = 7.54 \text{ m}^3/\text{s} / 17.813 \text{ m}^2 = 0.42 \text{ m/s}$$

### Sizing of Custom Orifices

The majority of inlet control devices (ICDs) in Phase 1 are standard Iplex and Hydrovex ICDs. There are, however, three locations at which custom ICDs will be required. They are sized using the orifice formula:  $Q = C_v A (2gh)^{0.5}$ , using a  $C_v$  value of 0.6.

Sizing is summarized in the below table.

	<b>CB ID</b>	<b>Location</b>	<b>Approx. Head (m)</b>	<b>Target Flow Qt (l/s)</b>	<b>Area a x a (m)</b>	<b>Actual Flow Qa (l/s)</b>
1	CBMH 64	Century Road Ditch	1.52	275	0.290	275.6
2	CBMH 62	Century Road Ditch	1.52	325	0.315	325.1
3	55	RY219B	1.22	84	0.170	84.8



**Appendix 7B**  
Vortechs<sup>®</sup> Manufacturer's Information

Provided by Jennifer Knowles on March 16, 2012

## Mahogany Phase 1, Ottawa, ON Stormwater Treatment System Design Summary

Information provided by Engineer (IBI Group):

Structure ID	Drainage Area (ha)	Runoff Coefficient	Tc (min)	Required Treatment Flow Rate (L/s)	100-Year Controlled Storm Event (L/s)	Mainline Pipe Size (mm)	Pipe Size Recommended to Off-line Vortechs (mm)
1	7.35	0.56	17.85	449	1589	1050	600
2	4.29	0.59	17.60	301	935	900	450
3	5.51	0.43	18.40	320	783	900	450

- Sediment removal efficiency required = 80%
- Sediment particle gradation = 50 microns and larger

### Sizing Summary:

The Vortechs® Stormwater Treatment System is a hydrodynamic separator designed to enhance gravitational separation of floating and settleable materials from stormwater flows. Stormwater flows enter the unit tangentially to the treatment chamber, which promotes a gentle swirling motion. As stormwater circles the treatment chamber, pollutants migrate toward the center of the unit where velocities are the lowest. Sediments accumulate in the bottom of the swirl chamber, while floating debris, oil and grease form a floating layer trapped upstream of the floatables baffle wall.

For this project the Vortechs system was designed to remove at least 80% of an average particle size of 80 microns based on historical rainfall data. For this site CONTECH Construction Products recommends the following:

Structure ID	Vortechs Model & Configuration	Peak Treatment Capacity (l/s)	Sediment Storage Capacity (cubic meters)	Oil Spill Capacity (liters)	Total Holding Capacity (liters)	Heaviest Pick Weight (kg)
OGS 1	11000 off-line	495	4.28	2378	13592	22050
OGS 2	7000 off-line	312	3.06	1687	9515	15700
OGS 3	7000 off-line	312	3.06	1687	9515	15700

We have supplied project specific efficiency, flow and bypass calculations for your use and review. Please note that these off-line models will require a bypass and junction manhole.

### Maintenance:

Like any stormwater best management practice, the Vortechs system requires regular inspection and maintenance to ensure optimal performance. Maintenance frequency will be driven by site conditions. Quarterly visual inspections are recommended, at which time the accumulation of pollutants can be determined. On average, the Vortechs system requires annual removal of accumulated pollutants.

Thank you for the opportunity to present this information to you and your client.

**VORTECHS SYSTEM<sup>®</sup> ESTIMATED NET ANNUAL SOLIDS LOAD REDUCTION  
 BASED ON AN AVERAGE PARTICLE SIZE OF 80 MICRONS  
 MAHOGANY PHASE 1  
 OTTAWA, ON  
 MODEL 11000 OFF-LINE  
 SITE DESIGNATION OGS 1**



Design Ratio<sup>1</sup> = 
$$\frac{(7.35 \text{ hectares}) \times (0.56) \times (2.775)}{(7.3 \text{ m}^2)} = 1.56$$

Bypass occurs at an elevation of 88.04m (at approximately 11 l/s/m<sup>2</sup>)

<u>Rainfall Intensity</u> mm/hr	<u>Operating Rate<sup>2</sup></u> % of capacity	<u>Flow Treated</u> (l/s)	<u>% Total Rainfall</u> Volume <sup>3</sup>	<u>Rmvl. Effic<sup>4</sup></u> (%)	<u>Rel. Effic<sup>y</sup></u> (%)
0.5	1.2	5.8	10.7%	98.0%	10.5%
1.0	2.3	11.5	9.3%	98.0%	9.1%
1.5	3.5	17.3	10.3%	98.0%	10.1%
2.0	4.6	23.0	8.6%	98.0%	8.4%
2.5	5.8	28.8	6.7%	98.0%	6.6%
3.0	7.0	34.6	5.8%	98.0%	5.7%
3.6	8.1	40.3	5.0%	96.9%	4.9%
4.1	9.3	46.1	4.4%	96.3%	4.2%
4.6	10.5	51.8	2.3%	96.0%	2.2%
5.1	11.6	57.6	4.2%	95.3%	4.0%
6.4	14.5	72.0	7.4%	92.8%	6.9%
7.6	17.4	86.4	4.0%	89.9%	3.6%
8.9	20.3	100.8	3.4%	87.3%	2.9%
10.2	23.2	115.2	1.5%	85.7%	1.3%
11.4	26.1	129.6	2.8%	84.3%	2.4%
12.7	29.1	144.0	0.9%	82.6%	0.8%
19.1	43.6	216.0	2.7%	72.8%	2.0%
25.4	58.1	287.9	1.1%	59.3%	0.6%
38.1	87.2	431.9	0.9%	22.7%	0.2%
					86.3%

**% rain falling at >38.1 mm/hr or bypassing treatment = 8.0%**  
**Assumed removal efficiency for bypassed flows = 0.0%**  
**Estimated reduction in efficiency<sup>5</sup> = 6.5%**  
**Predicted Net Annual Load Removal Efficiency = 80%**

1 - Design Ratio = (Total Drainage Area) x (Runoff Coefficient) x (Rational Method Conversion) / Grit Chamber Area  
 - The Total Drainage Area and Runoff Coefficient are specified by the site engineer.  
 - The rational method conversion based on the units in the above equation is 2.775.

2 - Operating Rate (% of capacity) = percentage of peak operating rate of 68 l/s/m<sup>2</sup>.

3 - Based on 10 years of rainfall data from Canadian Station 6105976, Ottawa CDA, ON

4 - Based on Contech Construction Products laboratory verified removal of 38 to 500 micron particles with an average particle size of 80 microns (see Vortechs Guide).

5- Reduction due to use of 60-minute data for a site that has a time of concentration less than 30-minutes.

Calculated by: JAK 3/16 Checked by:

## VORTECHS SYSTEM® FLOW CALCULATIONS



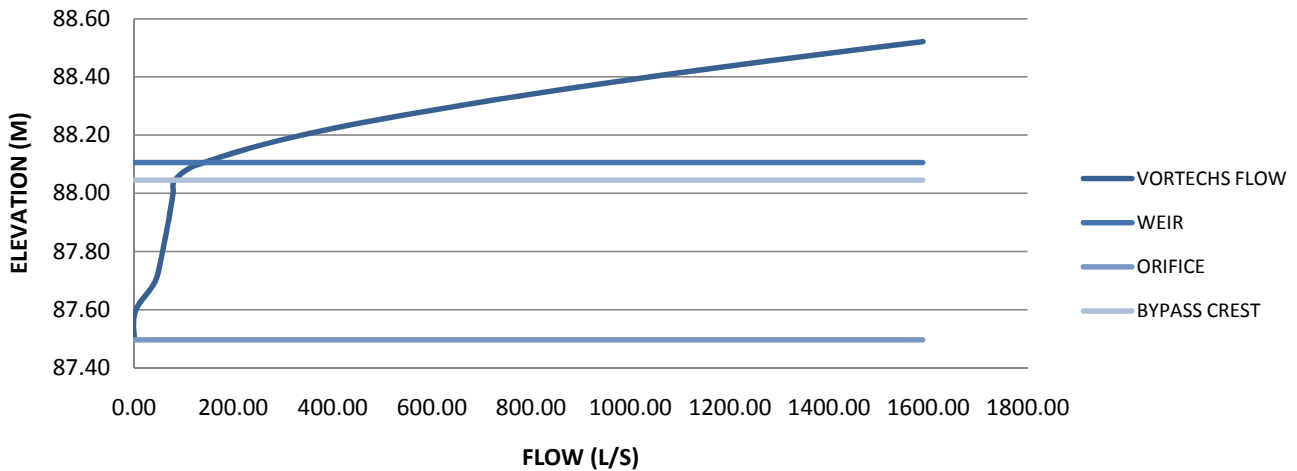
### MAHOGANY PHASE 1 OTTAWA, ON MODEL 11000 OFF-LINE OGS 1

<u>Vortechs Orifice</u>		<u>Vortechs Weir</u>		<u>Bypass Weir</u>	
Cd = 308		Cd = 1861		Cd = 1888	
A (m <sup>2</sup> ) = 0.048		Weir Crest Length (m) = 0.762		Crest Length (m) = 1.829	
Crest Elevation (m) = 87.50		Crest Elevation (m) = 88.11		Crest Elev. (m) = 88.05	
Head	Elevation	Orifice Flow	Weir Flow	Bypass Flow	Total Flow
(m)	(m)	(l/s)	(l/s)	(l/s)	(l/s)
0.00	87.50	0.00	0.00	0.00	0.00
0.10	87.60	2.73	0.00	0.00	2.73
0.20	87.70	42.21	0.00	0.00	42.21
0.30	87.80	56.75	0.00	0.00	56.75
0.40	87.90	68.26	0.00	0.00	68.26
0.50	88.00	78.09	0.00	0.00	78.09
0.55	88.05	82.54	0.00	0.00	82.54
0.60	88.10	86.82	0.00	37.65	124.47
0.70	88.20	94.74	38.36	194.22	327.32
0.80	88.30	102.05	117.51	417.28	636.85
0.90	88.40	108.87	221.51	690.80	1021.18
1.00	88.50	115.29	345.39	1006.74	1467.42
1.03	88.52	116.86	379.57	1092.88	1589.32

Calculated by: JAK

3/16

### VORTECHS STAGE DISCHARGE CURVE



**VORTECHS SYSTEM® BYPASS CALCULATIONS**  
**MAHOGANY PHASE 1**  
**OTTAWA, ON**  
**MODEL 11000 OFF-LINE**  
**SITE DESIGNATION OGS 1**



**Vortechs System Specifications and Site Specific Information:**

Vortechs System flow capacity, $Q_V = 496$ l/s Design flow rate at recurrence interval, $Q_D = 1589$ l/s Recurrence Interval, $I = 100$ yr	Actual length of bypass weir crest = 1.829 m  Peak water surface elevation, $E_P = 88.52$ m Discharge coefficient, $C_D = 1888$
--	--

**Notation:**

- $Q_B$  = Flow over bypass weir, l/s
- $E_B$  = Elevation of bypass weir crest, m
- $h$  = Depth of flow over bypass weir crest, m

**Calculations:**

- $Q_B = Q_P - Q_V$   
 $= 1588 - 496$   
 $= \mathbf{1093 \text{ l/s}}$ 
- Calculate the flow over the bypass weir during the design-year storm
- $Q_B = C_D L_B h^{3/2}$ 
- Francis formula for rectangular weir.
- $h = (Q_B / 1888 L_B)^{2/3}$   
 $= (1093 / 1888 * 1.829)^{2/3}$   
 $= \mathbf{0.45 \text{ m}}$ 
- Use this arrangement of the Francis formula to solve for h.
- $E_B = E_P - h$   
 $= 88.52 - 0.45$   
 $= \mathbf{88.05 \text{ m}}$ 
- Solve for bypass weir crest elevation ( $E_B$ ).

**Conclusion:**

**The bypass weir crest should be set at an elevation of 88.05 m with a total length of 1.829 m.**

Calculated by: JAK	3/16	Checked by:
--------------------	------	-------------



**VORTECHS SYSTEM® ESTIMATED NET ANNUAL SOLIDS LOAD REDUCTION  
BASED ON AN AVERAGE PARTICLE SIZE OF 80 MICRONS**



**MAHOGANY PHASE 1  
OTTAWA, ON  
MODEL 7000 OFF-LINE  
SITE DESIGNATION OGS 2**

Design Ratio<sup>1</sup> = 
$$\frac{(4.29 \text{ hectares}) \times (0.59) \times (2.775)}{(4.7 \text{ m}^2)} = 1.5$$

**Bypass occurs at an elevation of 87.5m (at approximately 14 l/s/m<sup>2</sup>)**

<b>Rainfall Intensity</b> mm/hr	<b>Operating Rate<sup>2</sup></b> % of capacity	<b>Flow Treated</b> (l/s)	<b>% Total Rainfall</b> Volume <sup>3</sup>	<b>Rmvl. Effic<sup>4</sup></b> (%)	<b>Rel. Effic<sup>y</sup></b> (%)
0.5	1.1	3.5	10.7%	98.0%	10.5%
1.0	2.2	7.0	9.3%	98.0%	9.1%
1.5	3.3	10.4	10.3%	98.0%	10.1%
2.0	4.5	13.9	8.6%	98.0%	8.4%
2.5	5.6	17.4	6.7%	98.0%	6.6%
3.0	6.7	20.9	5.8%	98.0%	5.7%
3.6	7.8	24.3	5.0%	97.6%	4.9%
4.1	8.9	27.8	4.4%	96.9%	4.2%
4.6	10.0	31.3	2.3%	96.0%	2.2%
5.1	11.2	34.8	4.2%	95.3%	4.0%
6.4	14.0	43.5	7.4%	93.8%	6.9%
7.6	16.7	52.1	4.0%	90.6%	3.7%
8.9	19.5	60.8	3.5%	88.0%	3.1%
10.2	22.3	69.5	1.8%	86.1%	1.6%
11.4	25.1	78.2	3.7%	84.9%	3.2%
12.7	27.9	86.9	1.2%	83.8%	1.0%
19.1	41.9	130.4	3.8%	75.0%	2.8%
25.4	55.8	173.8	1.5%	61.3%	0.9%
38.1	83.7	260.7	1.2%	30.1%	0.4%
					89.3%

**% rain falling at >38.1 mm/hr or bypassing treatment = 4.5%**  
**Assumed removal efficiency for bypassed flows = 0.0%**  
**Estimated reduction in efficiency<sup>5</sup> = 6.5%**  
**Predicted Net Annual Load Removal Efficiency = 83%**

1 - Design Ratio = (Total Drainage Area) x (Runoff Coefficient) x (Rational Method Conversion) / Grit Chamber Area  
 - The Total Drainage Area and Runoff Coefficient are specified by the site engineer.  
 - The rational method conversion based on the units in the above equation is 2.775.

2 - Operating Rate (% of capacity) = percentage of peak operating rate of 68 l/s/m<sup>2</sup>.

3 - Based on 10 years of rainfall data from Canadian Station 6105976, Ottawa CDA, ON

4 - Based on Contech Construction Products laboratory verified removal of 38 to 500 micron particles with an average particle size of 80 microns (see Vortechs Guide).

5- Reduction due to use of 60-minute data for a site that has a time of concentration less than 30-minutes.

Calculated by: JAK 3/16 Checked by:



**VORTECHS SYSTEM® FLOW CALCULATIONS**

**MAHOGANY PHASE 1**

**OTTAWA, ON**

**MODEL 7000 OFF-LINE**

**SITE DESIGNATION OGS 2**

**Vortechs Orifice**

Cd = 308

A (m<sup>2</sup>) = 0.036

Crest Elevation (m) = 87.02

**Vortechs Weir**

Cd = 1861

Weir Crest Length (m) = 0.585

Crest Elevation (m) = 87.47

**Bypass Weir**

Cd = 1883

Crest Length (m) = 1.829

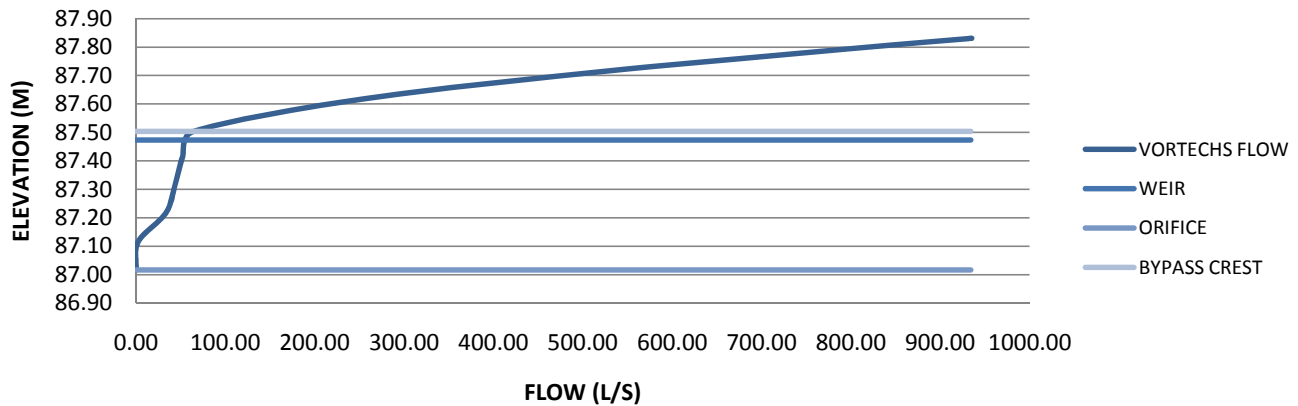
Crest Elev. (m) = 87.50

Head (m)	Elevation (m)	Orifice Flow (l/s)	Weir Flow (l/s)	Bypass Flow (l/s)	Total Flow (l/s)
0.00	87.02	0.00	0.00	0.00	0.00
0.10	87.12	2.48	0.00	0.00	2.48
0.20	87.22	33.24	0.00	0.00	33.24
0.30	87.32	43.75	0.00	0.00	43.75
0.40	87.42	52.19	0.00	0.00	52.19
0.49	87.50	58.55	5.56	0.00	64.11
0.60	87.62	65.90	58.60	126.41	250.91
0.70	87.72	71.78	130.05	327.28	529.11
0.80	87.82	77.21	218.26	583.09	878.56
0.81	87.83	77.98	232.47	624.68	935.13

Calculated by: JAK

3/16

**VORTECHS STAGE DISCHARGE CURVE**



**VORTECHS SYSTEM® BYPASS CALCULATIONS**  
**MAHOGANY PHASE 1**  
**OTTAWA, ON**  
**MODEL 7000 OFF-LINE**  
**SITE DESIGNATION OGS 2**



**Vortechs System Specifications and Site Specific Information:**

Vortechs System flow capacity, $Q_V = 312$ l/s Design flow rate at recurrence interval, $Q_D = 935$ l/s Recurrence Interval, $I = 100$ yr	Actual length of bypass weir crest = 1.829 m  Peak water surface elevation, $E_P = 87.83$ m Discharge coefficient, $C_D = 1883$
---	--

**Notation:**

$Q_B$  = Flow over bypass weir, l/s  
 $E_B$  = Elevation of bypass weir crest, m  
 $h$  = Depth of flow over bypass weir crest, m

**Calculations:**

$Q_B = Q_P - Q_V$  - Calculate the flow over the bypass weir during the design-year storm.  
 $= 935 - 312$   
 $= \mathbf{623 \text{ l/s}}$

$Q_B = C_D L_B h^{3/2}$  - Francis formula for rectangular weir.

$h = (Q_B / 1883 L_B)^{2/3}$  - Use this arrangement of the Francis formula to solve for h.  
 $= (623 / 1883 * 1.829)^{2/3}$   
 $= \mathbf{0.33 \text{ m}}$

$E_B = E_P - h$  - Solve for bypass weir crest elevation ( $E_B$ ).  
 $= 87.83 - 0.33$   
 $= \mathbf{87.5 \text{ m}}$

**Conclusion:**

**The bypass weir crest should be set at an elevation of 87.5 m with a total length of 1.829 m.**

Calculated by: JAK	3/16	Checked by:
--------------------	------	-------------

**VORTECHS SYSTEM<sup>®</sup> ESTIMATED NET ANNUAL SOLIDS LOAD REDUCTION  
BASED ON AN AVERAGE PARTICLE SIZE OF 80 MICRONS**

**MAHOGANY PHASE 1**

**OTTAWA, ON**

**MODEL 7000 OFF-LINE**

**SITE DESIGNATION OGS 3**



Design Ratio<sup>1</sup> = 
$$\frac{(5.51 \text{ hectares}) \times (0.43) \times (2.775)}{(4.7 \text{ m}^2)} = 1.4$$

**Bypass occurs at an elevation of 87.13m (at approximately 24 l/s/m<sup>2</sup>)**

<b>Rainfall Intensity</b> mm/hr	<b>Operating Rate<sup>2</sup></b> % of capacity	<b>Flow Treated</b> (l/s)	<b>% Total Rainfall</b> Volume <sup>3</sup>	<b>Rmvl. Effic<sup>4</sup></b> (%)	<b>Rel. Effic<sup>4</sup></b> (%)
0.5	1.0	3.3	10.7%	98.0%	10.5%
1.0	2.1	6.5	9.3%	98.0%	9.1%
1.5	3.1	9.8	10.3%	98.0%	10.1%
2.0	4.2	13.0	8.6%	98.0%	8.4%
2.5	5.2	16.3	6.7%	98.0%	6.6%
3.0	6.3	19.5	5.8%	98.0%	5.7%
3.6	7.3	22.8	5.0%	97.6%	4.9%
4.1	8.4	26.0	4.4%	96.9%	4.2%
4.6	9.4	29.3	2.3%	96.3%	2.2%
5.1	10.4	32.5	4.2%	96.0%	4.0%
6.4	13.1	40.7	7.4%	93.8%	6.9%
7.6	15.7	48.8	4.0%	91.8%	3.7%
8.9	18.3	56.9	3.5%	88.8%	3.1%
10.2	20.9	65.0	1.8%	87.3%	1.6%
11.4	23.5	73.2	3.8%	85.7%	3.2%
12.7	26.1	81.3	1.4%	84.3%	1.2%
19.1	39.2	122.0	5.1%	76.8%	3.9%
25.4	52.2	162.6	2.1%	62.9%	1.3%
38.1	78.3	243.9	1.6%	38.2%	0.6%
					91.4%

**% rain falling at >38.1 mm/hr or bypassing treatment = 1.9%**  
**Assumed removal efficiency for bypassed flows = 0.0%**  
**Estimated reduction in efficiency<sup>5</sup> = 6.5%**  
**Predicted Net Annual Load Removal Efficiency = 85%**

1 - Design Ratio = (Total Drainage Area) x (Runoff Coefficient) x (Rational Method Conversion) / Grit Chamber Area  
 - The Total Drainage Area and Runoff Coefficient are specified by the site engineer.  
 - The rational method conversion based on the units in the above equation is 2.775.

2 - Operating Rate (% of capacity) = percentage of peak operating rate of 68 l/s/m<sup>2</sup>.

3 - Based on 10 years of rainfall data from Canadian Station 6105976, Ottawa CDA, ON

4 - Based on Contech Construction Products laboratory verified removal of 38 to 500 micron particles with an average particle size of 80 microns (see Vortechs Guide).

5- Reduction due to use of 60-minute data for a site that has a time of concentration less than 30-minutes.

Calculated by: JAK 3/16 Checked by:



**VORTECHS SYSTEM® FLOW CALCULATIONS**

**MAHOGANY PHASE 1**

**OTTAWA, ON**

**MODEL 7000 OFF-LINE**

**SITE DESIGNATION OGS 3**

**Vortechs Orifice**

Cd = 308

A (m<sup>2</sup>) = 0.036

Crest Elevation (m) = 86.53

**Vortechs Weir**

Cd = 1861

Weir Crest Length (m) = 0.457

Crest Elevation (m) = 86.98

**Bypass Weir**

Cd = 1681

Crest Length (m) = 1.829

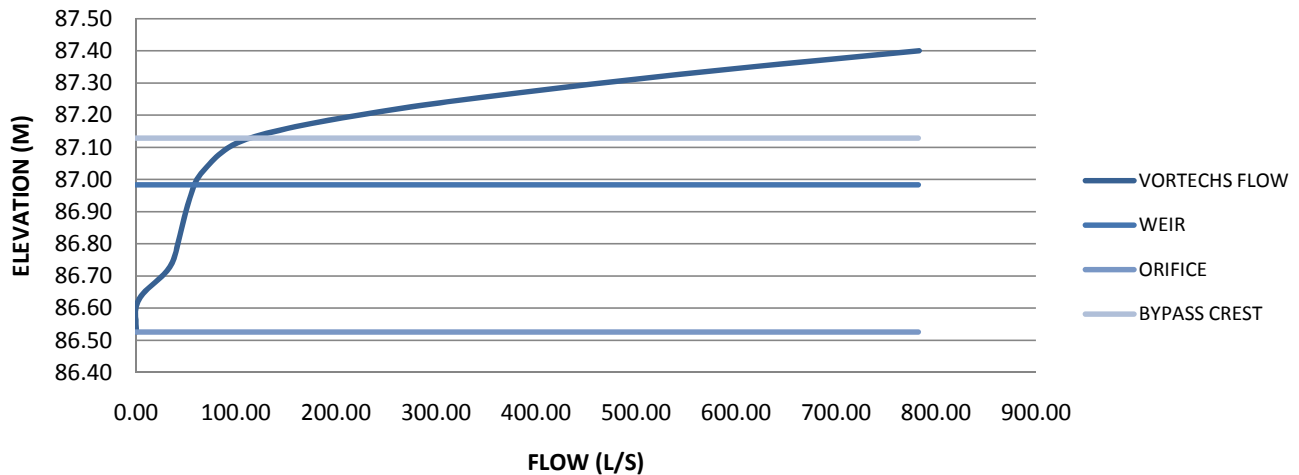
Crest Elev. (m) = 87.13

Head (m)	Elevation (m)	Orifice Flow (l/s)	Weir Flow (l/s)	Bypass Flow (l/s)	Total Flow (l/s)
0.00	86.53	0.00	0.00	0.00	0.00
0.10	86.63	2.48	0.00	0.00	2.48
0.20	86.73	33.24	0.00	0.00	33.24
0.30	86.83	43.75	0.00	0.00	43.75
0.40	86.93	52.19	0.00	0.00	52.19
0.50	87.03	59.44	7.47	0.00	66.91
0.60	87.13	66.03	46.85	0.00	112.88
0.70	87.23	71.78	101.60	101.88	275.27
0.80	87.33	77.21	170.52	293.04	540.77
0.87	87.40	81.02	228.98	473.05	783.05

Calculated by: JAK

3/16

**VORTECHS STAGE DISCHARGE CURVE**





**VORTECHS SYSTEM® BYPASS CALCULATIONS**  
**MAHOGANY PHASE 1**  
**OTTAWA, ON**  
**MODEL 7000 OFF-LINE**  
**SITE DESIGNATION OGS 3**



**Vortechs System Specifications and Site Specific Information:**

Vortechs System flow capacity, $Q_V = 312$ l/s Design flow rate at recurrence interval, $Q_D = 783$ l/s Recurrence Interval, $I = 100$ yr	Actual length of bypass weir crest = $1.829$ m  Peak water surface elevation, $E_P = 87.40$ m Discharge coefficient, $C_D = 1681$
---	--

**Notation:**

$Q_B$  = Flow over bypass weir, l/s  
 $E_B$  = Elevation of bypass weir crest, m  
 $h$  = Depth of flow over bypass weir crest, m

**Calculations:**

$Q_B = Q_P - Q_V$  - Calculate the flow over the bypass weir during the design-year storm.  
 $= 784 - 312$   
 $= 473$  l/s

$Q_B = C_D L_B h^{3/2}$  - Francis formula for rectangular weir.

$h = (Q_B / 1681 L_B)^{2/3}$  - Use this arrangement of the Francis formula to solve for h.  
 $= (473 / 1681 * 1.829)^{2/3}$   
 $= 0.27$  m

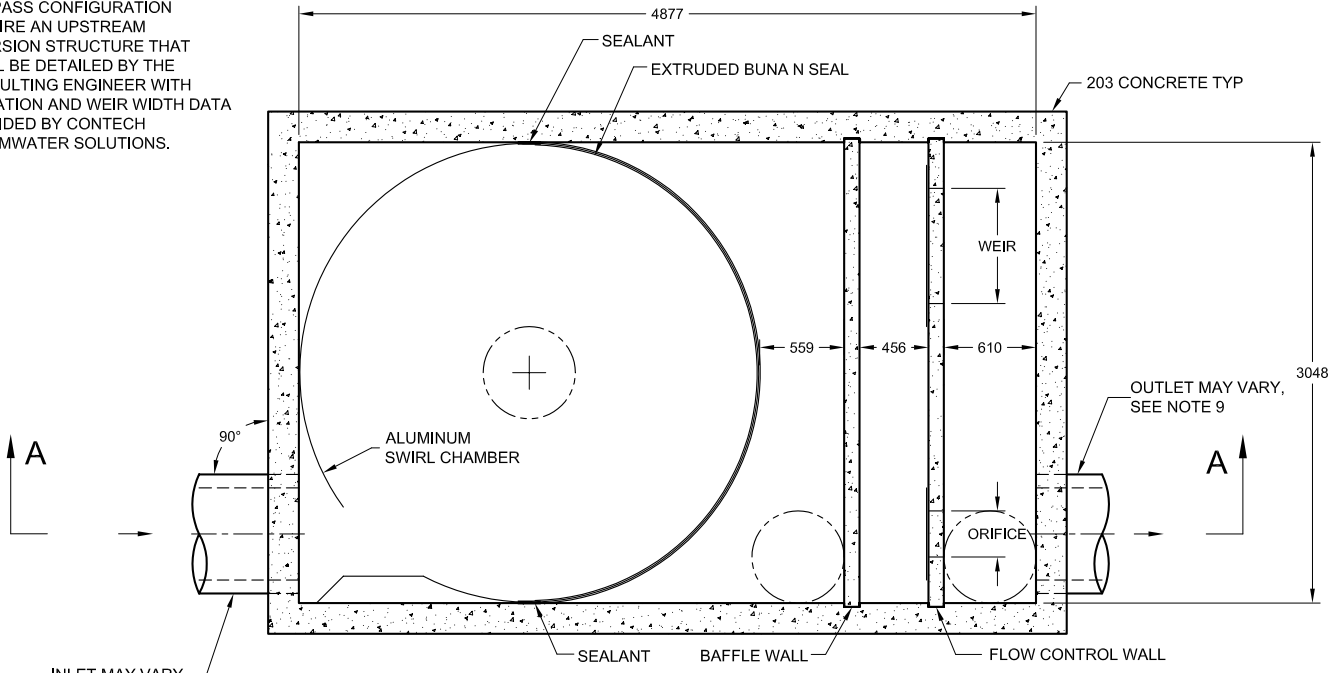
$E_B = E_P - h$  - Solve for bypass weir crest elevation ( $E_B$ ).  
 $= 87.4 - 0.27$   
 $= 87.13$  m

**Conclusion:**

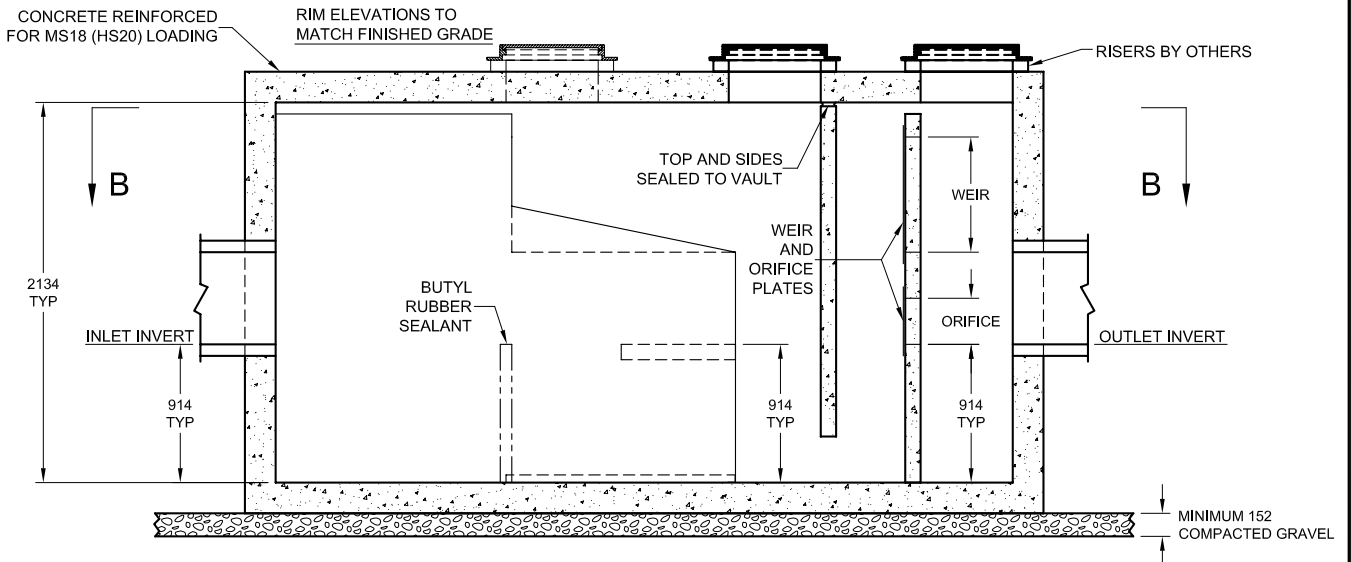
**The bypass weir crest should be set at an elevation of 87.13 m with a total length of 1.829 m.**

Calculated by: JAK	3/16	Checked by:
--------------------	------	-------------

NOTE:  
 VORTECHS SYSTEMS INSTALLED IN  
 A BYPASS CONFIGURATION  
 REQUIRE AN UPSTREAM  
 DIVERSION STRUCTURE THAT  
 SHALL BE DETAILED BY THE  
 CONSULTING ENGINEER WITH  
 ELEVATION AND WEIR WIDTH DATA  
 PROVIDED BY CONTECH  
 STORMWATER SOLUTIONS.



PLAN VIEW B - B



SECTION A - A

NOTES:

1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL HAVE:  
 PEAK TREATMENT CAPACITY: 0.496 CMS  
 SEDIMENT STORAGE: 4.28 CU M  
 SEDIMENT CHAMBER DIA: 3048 MIN
2. SWTS SHALL BE CONTAINED IN ONE RECTANGULAR STRUCTURE
3. SWTS REMOVAL EFFICIENCY SHALL BE DOCUMENTED BASED ON PARTICLE SIZE
4. SWTS SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND INCLUDING PEAK TREATMENT CAPACITY
5. SWTS INVERTS IN AND OUT ARE TYPICALLY AT THE SAME ELEVATION
6. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER
7. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS
8. INLET PIPE MUST BE PERPENDICULAR TO THE STRUCTURE
9. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION
10. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF UNIT
11. MANHOLE FRAMES AND PERFORATED COVERS SUPPLIED WITH SYSTEM, NOT INSTALLED
12. PURCHASER TO PREPARE EXCAVATION AND PROVIDE CRANE FOR OFF-LOADING AND SETTING AT TIME OF DELIVERY
13. VORTECHS SYSTEMS BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 548-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.

PROPRIETARY INFORMATION - NOT TO BE USED FOR CONSTRUCTION PURPOSES

This CADD file is for the purpose of specifying stormwater treatment equipment to be furnished by CONTECH Stormwater Solutions and may only be transferred to other documents exactly as provided by CONTECH Stormwater Solutions. Title block information, excluding the CONTECH Stormwater Solutions logo and the Vortechs Stormwater Treatment System designation and patent number, may be deleted if necessary. Revisions to any part of this CADD file without prior coordination with CONTECH Stormwater Solutions shall be considered unauthorized use of proprietary information.



STANDARD DETAIL  
 STORMWATER TREATMENT SYSTEM  
 VORTECHS® MODEL 11000 METRIC

U.S. PATENT No. 5,759,415

DATE: 4/8/06

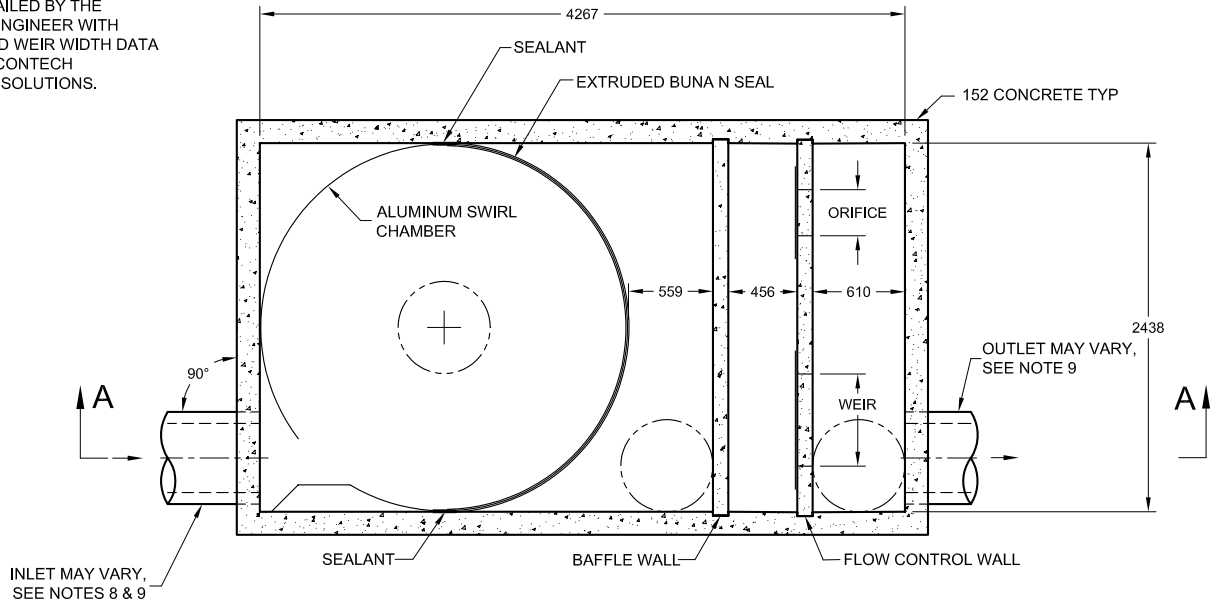
SCALE: NONE

FILE NAME: STD11KM

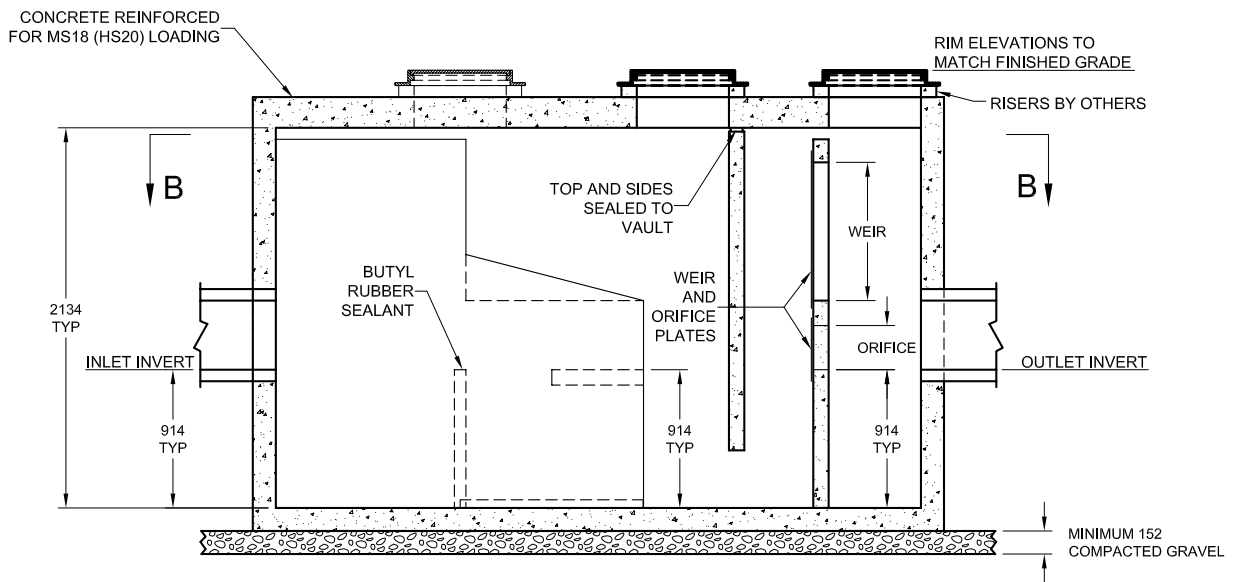
DRAWN: GMC

CHECKED: NDG

NOTE:  
 VORTECHS SYSTEMS INSTALLED IN  
 A BYPASS CONFIGURATION  
 REQUIRE AN UPSTREAM  
 DIVERSION STRUCTURE THAT  
 SHALL BE DETAILED BY THE  
 CONSULTING ENGINEER WITH  
 ELEVATION AND WEIR WIDTH DATA  
 PROVIDED BY CONTECH  
 STORMWATER SOLUTIONS.



PLAN VIEW B - B



SECTION A - A

NOTES:

1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL HAVE:  
 PEAK TREATMENT CAPACITY: 0.311 CMS  
 SEDIMENT STORAGE: 3.06 CU M  
 SEDIMENT CHAMBER DIA: 2438 MIN
2. SWTS SHALL BE CONTAINED IN ONE RECTANGULAR STRUCTURE
3. SWTS REMOVAL EFFICIENCY SHALL BE DOCUMENTED BASED ON PARTICLE SIZE
4. SWTS SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND INCLUDING PEAK TREATMENT CAPACITY
5. SWTS INVERTS IN AND OUT ARE TYPICALLY AT THE SAME ELEVATION
6. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER
7. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS
8. INLET PIPE MUST BE PERPENDICULAR TO THE STRUCTURE
9. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION
10. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF UNIT
11. MANHOLE FRAMES AND PERFORATED COVERS SUPPLIED WITH SYSTEM, NOT INSTALLED
12. PURCHASER TO PREPARE EXCAVATION AND PROVIDE CRANE FOR OFF-LOADING AND SETTING AT TIME OF DELIVERY
13. VORTECHS SYSTEMS BY CONTECH STORMWATER SOLUTIONS; PORTLAND, OR (800) 548-4667; SCARBOROUGH, ME (877) 907-8676; LINTHICUM, MD (866) 740-3318.

PROPRIETARY INFORMATION - NOT TO BE USED FOR CONSTRUCTION PURPOSES

This CADD file is for the purpose of specifying stormwater treatment equipment to be furnished by CONTECH Stormwater Solutions and may only be transferred to other documents exactly as provided by CONTECH Stormwater Solutions. Title block information, excluding the CONTECH Stormwater Solutions logo and the Vortechs Stormwater Treatment System designation and patent number, may be deleted if necessary. Revisions to any part of this CADD file without prior coordination with CONTECH Stormwater Solutions shall be considered unauthorized use of proprietary information.



STANDARD DETAIL  
 STORMWATER TREATMENT SYSTEM  
 VORTECHS® MODEL 7000 METRIC

U.S. PATENT No. 5,759,415

DATE: 4/5/06

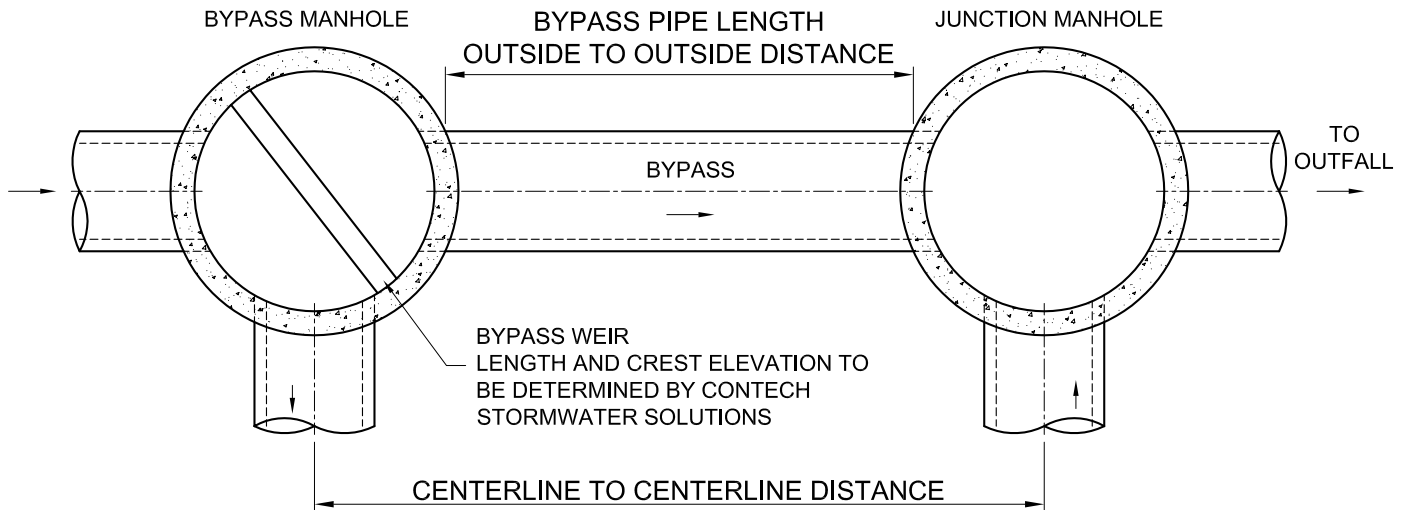
SCALE: NONE

FILE NAME: STD7KM

DRAWN: GMC

CHECKED: NDG

**FOR INFORMATIONAL PURPOSES ONLY  
NOT INTENDED AS A CONSTRUCTION DOCUMENT  
-BYPASS AND JUNCTION STRUCTURES NOT SUPPLIED  
BY CONTECH STORMWATER SOLUTIONS-**



**NOTE:** BYPASS AND JUNCTION MANHOLE DIAMETERS ARE ASSUMED BASED ON THE TREATMENT CAPACITY OF THE VORTECHS SYSTEM. THESE DIAMETERS MAY CHANGE DEPENDING ON SPECIFIC SITE CONDITIONS. CONTACT YOUR CONTECH STORMWATER SOLUTIONS DESIGN ENGINEER.

Vortechs Model Size	Vortechs Dims		Recommended Pipe Size Diameter in / mm	Typical Bypass Manhole Diameter	Typical Junction Manhole Diameter	Approximate Center to Center Distance ft / mm	Approximate Bypass Pipe Length Outside ft / mm
	Length ft / mm	Width ft / mm					
1000	9 / 2743	3 / 914	10 / 250	4 / 1200	4 / 1200	7.5 / 2286	3.5 / 1067
2000	10 / 3048	4 / 1219	12 / 300	4 / 1200	4 / 1200	8.5 / 2591	4.42 / 1347
3000	11 / 3353	5 / 1524	15 / 375	5 / 1500	4 / 1200	9.25 / 2819	4.75 / 1448
4000	12 / 3658	6 / 1829	15 / 375	5 / 1500	4 / 1200	10.25 / 3124	5.75 / 1753
5000	13 / 3962	7 / 2134	18 / 450	6 / 1800	5 / 1500	11.17 / 3405	5.67 / 1728
7000	14 / 4267	8 / 2438	18 / 450	6 / 1800	5 / 1500	12.17 / 3709	6.67 / 2033
9000	15 / 4572	9 / 2743	21 / 525	6 / 1800	6 / 1800	11.83 / 3606	5.83 / 1777
11000	16 / 4877	10 / 3048	24 / 600	6 / 1800	6 / 1800	12.67 / 3862	6.67 / 2033
16000	18 / 5486	12 / 3658	27 / 675	6 / 1800	6 / 1800	14.58 / 4444	8.58 / 2615

This CADD file is for the purpose of specifying stormwater treatment equipment to be furnished by CONTECH Stormwater Solutions and may only be transferred to other documents exactly as provided by CONTECH Stormwater Solutions. Title block information, **excluding** the CONTECH Stormwater Solutions logo and the Vortechs Stormwater Treatment System designation and patent number, may be deleted if necessary. Revisions to any part of this CADD file without prior coordination with CONTECH Stormwater Solutions shall be considered unauthorized use of proprietary information.



**TYPICAL BYPASS & JUNCTION MANHOLE LAYOUT  
WITH SPECIFICATIONS TABLE FOR  
VORTECHS® STORMWATER TREATMENT SYSTEM**

DATE: 1/24/07

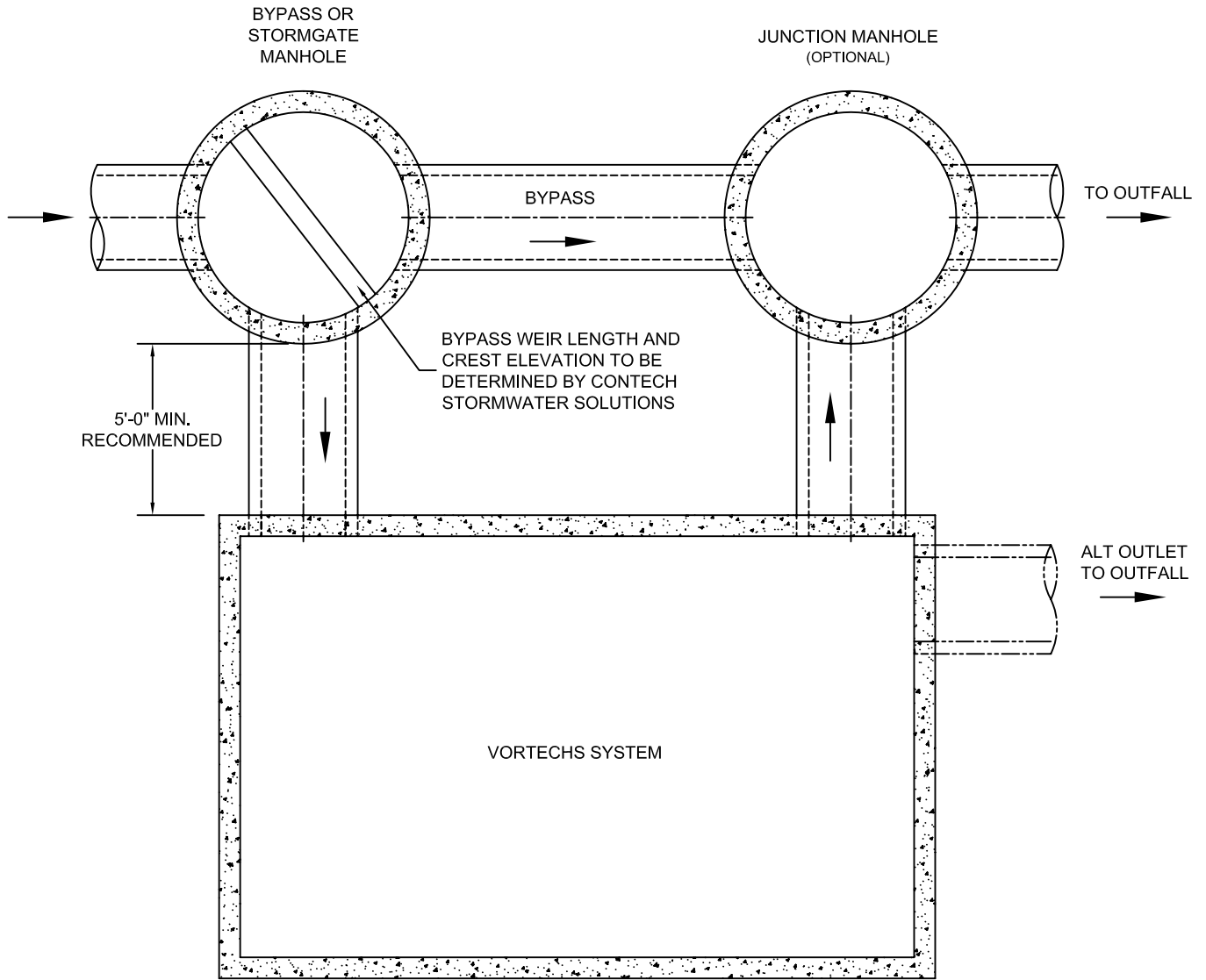
SCALE: NONE

FILE NAME: TYPTBLVXBPRmet

DRAWN: GMC

CHECKED: NDG

FOR INFORMATIONAL PURPOSES ONLY  
 NOT INTENDED AS A CONSTRUCTION DOCUMENT  
**- BYPASS AND JUNCTION STRUCTURES NOT SUPPLIED BY CONTECH STORMWATER SOLUTIONS -**



ACTUAL ORIENTATION AND LAYOUT MAY VARY  
 DUE TO SITE SPECIFIC CONSIDERATIONS

This CADD file is for the purpose of specifying stormwater treatment equipment to be furnished by Contech Stormwater Solutions and may only be transferred to other documents exactly as provided by Contech Stormwater Solutions. Title block information, excluding the Contech Stormwater Solutions logo and the Vortechs Stormwater Treatment System designation and patent number, may be deleted if necessary. Revisions to any part of this CADD file without prior coordination with Contech Stormwater Solutions shall be considered unauthorized use of proprietary information.



TYPICAL BYPASS LAYOUT  
 VORTECHS® STORMWATER TREATMENT SYSTEM

DATE: 6/15/06

SCALE: NONE

FILE NAME: TYPVXBPLOR

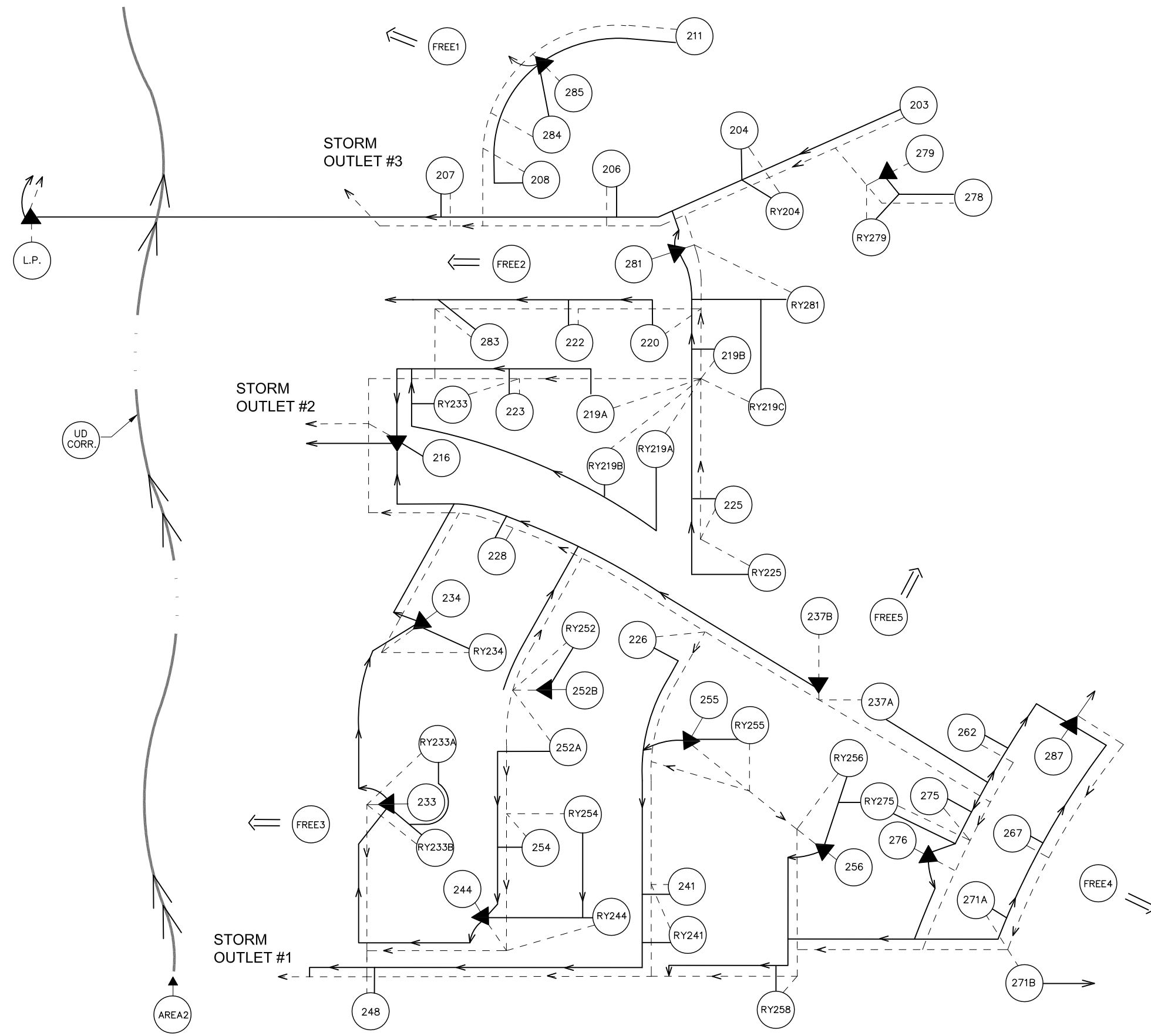
DRAWN: GMC

CHECKED: NDG

**Appendix 7C**  
SWMHYMO Model Schematic



J:\14167\_ManotickDev\5.9 Drawings\59civil\current\SWM\14167-Figures\Figures.dwg Layout Name: FIG.1 Plot Style: ----- Plot Scale: 1:2.5849 Plotted At: 3/26/2012 12:24 PM Last Saved By: SVukic



**LEGEND**

- > MINOR FLOW
- > MAJOR FLOW
- ==> TOTAL FLOW
- >▲ ON-SITE STORAGE
- RY219C AREA ID



Scale  
N.T.S.

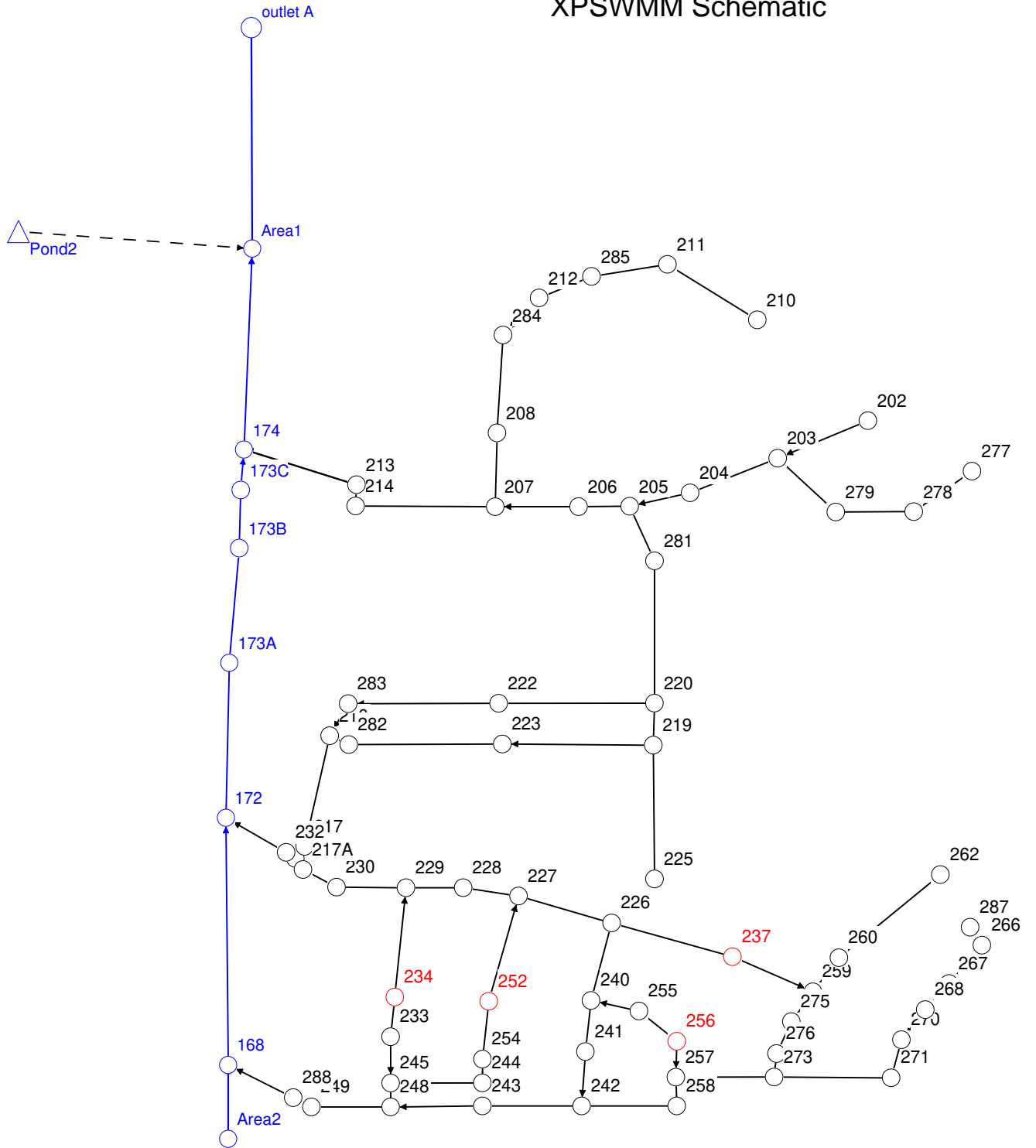
Project Title  
**MAHOGANY PHASE 1**

Drawing Title  
**PHASE 1  
SWMHYMO SCHEMATIC**

Sheet No.

**Appendix 7D**  
XPSWMM Model Schematic  
Model Files (CD)

# XPSWMM Schematic



**SWMM**

Version 9.12

Copyright (c) XP Software

**MANOTICK**

Licensed To: IBI Group [42-1100-1763]

Page 1/1



Mahoghany Stage 2+

STORM SEWER DESIGN SHEET (City of Ottawa)

DESIGN PARAMETERS

I = a / (t+b)^c (As per City of Ottawa Guidelines, 2012)

Table with columns for a, b, c values for different return periods (1:2 yr, 1:5 yr, 1:10 yr, 1:100 yr) and Manning's n, minimum cover, and time of entry.

DATE: 2017-06-15
REVISION: 1
DESIGNED BY: DT
CHECKED BY: AMP

FILE NUMBER: 160410140

MANNING'S n = 0.013
BEDDING CLASS = B
MINIMUM COVER: 2.00 m
TIME OF ENTRY: 10 min

Main data table with columns for LOCATION, DRAINAGE AREA, and PIPE SELECTION. It lists various storm sewer segments (e.g., L206A, L205A) and their associated flow characteristics and pipe specifications.

160410140: Mahogany Development Stage 2

Pond 3 Rural Area Model Input

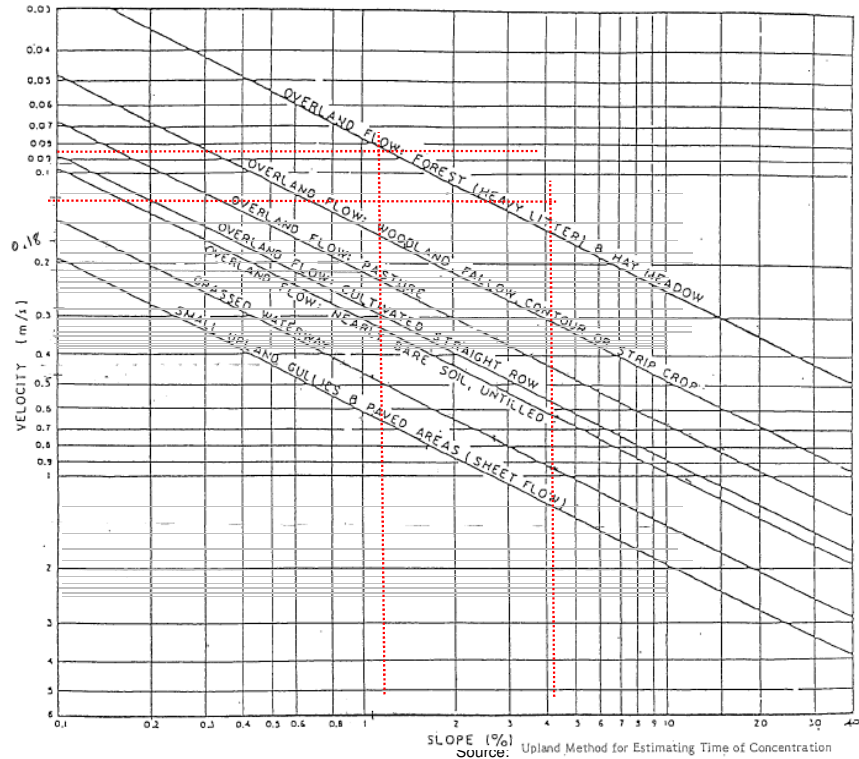
SWMHYMO Parameter Summary - Rural Catchments in Proposed Conditions

Existing Conditions												
Model Catchment ID	Description	Area (ha)	Gradient (%)	XIMP (%)	TIMP (%)	Length (m)	Velocity (m/s)	Tc (hrs)	Tp (hrs)	Infiltration Method	CN	HYD Method
WCD2	Woodlot and eastern leg of drain to Drain 4	14.66	1.5%	0.0%	0.0%	410.0	0.09	1.27	0.85	SCS	35	NASHYD
WCD1	Area along drain to Drain 2	1.52	0.25%	0.0%	0.0%	261.0	0.23	0.32	0.21	SCS	73	NASHYD
WCD5	Area along drain to Drain 2	2.89	0.20%	0.0%	0.0%	453.0	0.20	0.63	0.42	SCS	76	NASHYD
WCD3	Area along drain to Drain 1	4.13	0.25%	0.0%	0.0%	677.0	0.23	0.82	0.55	SCS	75	NASHYD
WCD4	Woodlot area to Drain 2	1.51	1.62%	0.0%	0.0%	122.0	0.10	0.34	0.23	SCS	73	NASHYD
WCD6	Woodlot area to Drain 1	5.3	1.15%	0.0%	0.0%	505.0	0.08	1.75	1.17	SCS	73	NASHYD
WCD7	Woodlot area to Drain 2	2.23	3.19%	0.0%	0.0%	213.0	0.14	0.42	0.28	SCS	73	NASHYD
<b>Total Area</b>		<b>32.24</b>		<b>0.0%</b>	<b>0.0%</b>							

1) Standard City of Ottawa Data for Initial Abstraction Parameters, Tp determination, and Infiltration (CN) values

2) Tp=0.67Tc

Uplands Method Velocity Determination



Upland Method for Estimating Time of Concentration  
 Source: (SCS National Engineering Handbook, 1971)

```

00001>=====
00002>
00003> SSSSS W W M M H H Y Y M M O O 999 999 =====
00004> S W W W M M M H H Y Y M M M O O 9 9 9 9
00005> SSSSS W W M M H H H H Y M M M O O ## 9 9 9 9 Ver 4.05
00006> S W W M M M H H H Y M M O O 9999 9999 Sept 2011
00007> SSSSS W W M M H H Y M M O O 9 9 9 =====
00008> # 3463320
00009> StormWater Management Hydrologic Model 999 999 =====
00010>
00011>*****
00012>***** SWMHYMO Ver/4.05 *****
00013>***** A single event and continuous hydrologic simulation model *****
00014>***** based on the principles of HYMO and its successors *****
00015>***** OTTHYMO-83 and OTTHYMO-89. *****
00016>*****
00017>***** Distributed by: J.F. Sabourin and Associates Inc. *****
00018>***** Ottawa, Ontario: (613) 836-3884 *****
00019>***** Gatineau, Quebec: (819) 243-6858 *****
00020>***** E-Mail: swmhyo@jfsa.com *****
00021>*****
00022>*****
00023>*****
00024>***** Licensed user: Stantec Consulting Ltd *****
00025>***** in any City SERIAL#:3463320 *****
00026>*****
00027>*****
00028>*****
00029>***** ***** PROGRAM ARRAY DIMENSIONS *****
00030>***** Maximum value for ID numbers : 10 *****
00031>***** Max. number of rainfall points: 105408 *****
00032>***** Max. number of flow points : 105408 *****
00033>*****
00034>*****
00035>***** DESCRIPTION SUMMARY TABLE HEADERS (units depend on METOUT in START) *****
00036>*****
00037>***** ID: Hydrograph Identification numbers, (1-10). *****
00038>***** NHYD: Hydrograph reference numbers, (6 digits or characters). *****
00039>***** AREA: Drainage area associated with hydrograph, (ac.) or (ha.). *****
00040>***** QPEAK: Peak flow of simulated hydrograph, (ft3/s) or (m3/s). *****
00041>***** TpeakDate_hh:mm is the date and time of the peak flow. *****
00042>***** R.V.: Runoff Volume of simulated hydrograph, (in) or (mm). *****
00043>***** R.C.: Runoff Coefficient of simulated hydrograph, (ratio). *****
00044>***** *: see WARNING or NOTE message printed at end of run. *****
00045>***** **: see ERROR message printed at end of run. *****
00046>*****
00047>*****
00048>*****
00049>*****
00050>*****
00051>*****
00052>*****
00053>***** S U M M A R Y O U T P U T *****
00054>*****
00055>***** * DATE: 2017-03-10 TIME: 10:04:10 RUN COUNTER: 000143 *
00056>*****
00057>***** * Input filename: C:\SWMHYMO\P3_rural.dat *
00058>***** * Output filename: C:\SWMHYMO\P3_rural.out *
00059>***** * Summary filename: C:\SWMHYMO\P3_rural.sum *
00060>***** * User comments: *
00061>***** * 1: *
00062>***** * 2: *
00063>***** * 3: *
00064>*****
00065>*****
00066>*****
00067>*****
00068>***** # Project Name: [Mahogany, Minto - Stage 2] Project Number: [160410140]
00069>***** # Date : 03-10-2017
00070>***** # Modeller : [Ana M. Paerez]
00071>***** # Company : Stantec Consulting Ltd
00072>***** # License # : 3463320
00073>*****
00074>***** RUN:COMMAND#
00075>***** 001:0001-----START
00076>***** [TZERO = .00 hrs on 0]
00077>***** [METOUT= 2 (1=imperial, 2=metric output)]
00078>***** [NSTORM= 1]
00079>***** [NRUN = 1]
00080>*****
00081>***** 001:0002-----READ STORM
00082>***** File name = storm.001
00083>***** Comment =
00084>***** [SDT=12.00:SDUR= 4.20:PTOT= 25.01]
00085>*****
00086>***** # RURAL DRAINAGE TRIBUTARY TO WILSON COWAN DRAIN UNDER POST DEVELOPMENT COND.
00087>***** # - HYDROGRAPHS TO BE IMPORTED INTO PCSWMM POST DEVELOPMENT MODEL
00088>***** #
00089>***** # FOR POND3
00090>***** 001:0003-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00091>***** DESIGN NASHYD 01:WCD2 14.66 .082 No_date 2:40 4.71
00092>***** [CN= 73.0: N= 3.00]
00093>***** [Tp= .85:DT= 1.00]
00094>***** 001:0004-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00095>***** SAVE HYD 01:WCD2 14.66 .082 No_date 2:40 4.71
00096>***** fname :C:\SWMHYMO\H-WCD2.001
00097>***** remark:RURAL DRAINAGE TO DRAIN 4
00098>*****
00099>***** 001:0005-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00100>***** DESIGN NASHYD 01:WCD1 1.52 .021 No_date 1:49 4.71
00101>***** [CN= 73.0: N= 3.00]
00102>***** [Tp= .21:DT= 1.00]
00103>***** 001:0006-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00104>***** DESIGN NASHYD 02:WCD5 2.89 .030 No_date 2:05 5.33
00105>***** [CN= 76.0: N= 3.00]
00106>***** [Tp= .42:DT= 1.00]
00107>***** 001:0007-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00108>***** DESIGN NASHYD 03:WCD4 1.51 .020 No_date 1:50 4.71
00109>***** [CN= 73.0: N= 3.00]
00110>***** [Tp= .23:DT= 1.00]
00111>***** 001:0008-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00112>***** DESIGN NASHYD 04:WCD7 2.23 .026 No_date 1:54 4.71
00113>***** [CN= 73.0: N= 3.00]
00114>***** [Tp= .28:DT= 1.00]
00115>***** 001:0009-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00116>***** ADD HYD 01:WCD1 1.52 .021 No_date 1:49 4.71
00117>***** + 02:WCD5 2.89 .030 No_date 2:05 5.33
00118>***** + 03:WCD4 1.51 .020 No_date 1:50 4.71
00119>***** + 04:WCD7 2.23 .026 No_date 1:54 4.71
00120>***** [DT= 1.00] SUM= 05:DRAIN2 8.15 .091 No_date 1:54 4.93
00121>***** 001:0010-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00122>***** SAVE HYD 05:DRAIN2 8.15 .091 No_date 1:54 4.93
00123>***** fname :C:\SWMHYMO\H-DRAIN2.001
00124>***** remark:RURAL DRAINAGE TO DRAIN 2
00125>*****
00126>***** 001:0011-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00127>***** DESIGN NASHYD 01:WCD3 4.13 .034 No_date 2:16 5.11
00128>***** [CN= 75.0: N= 3.00]
00129>***** [Tp= .55:DT= 1.00]
00130>***** 001:0012-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00131>***** DESIGN NASHYD 02:WCD5 2.89 .114 No_date 12:44 26.28
00132>***** [CN= 76.0: N= 3.00]
00133>***** [Tp= .42:DT= 1.00]
00134>***** 001:0013-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00135>***** DESIGN NASHYD 03:WCD4 1.51 .079 No_date 12:32 23.95
00136>***** [CN= 73.0: N= 3.00]
00137>***** [Tp= .23:DT= 1.00]
00138>***** 005:0004-----ID:NHYD-----AREA-----QPEAK-TpeakDate_hh:mm-----R.V.-
00139>***** SAVE HYD 03:DRAIN1 9.43 .126 No_date 13:02 15.87
00140>***** fname :C:\SWMHYMO\H-DRAIN1.002
00141>***** remark:RURAL DRAINAGE TO DRAIN 1
00142>*****
00143>***** ** END OF RUN : 4
00144>*****
00145>*****
00146>*****
00147>*****
00148>*****
00149>*****
00150>*****
00151>*****
00152>*****
00153>*****
00154>*****
00155>*****
00156>*****
00157>*****
00158>*****
00159>*****
00160>*****
00161>*****
00162>*****
00163>*****
00164>*****
00165>*****
00166>*****
00167>*****
00168>*****
00169>*****
00170>*****
00171>*****
00172>*****
00173>*****
00174>*****
00175>*****
00176>*****
00177>*****
00178>*****
00179>*****
00180>*****
00181>*****
00182>*****
00183>*****
00184>*****
00185>*****
00186>*****
00187>*****
00188>*****
00189>*****
00190>*****
00191>*****
00192>*****
00193>*****
00194>*****
00195>*****
00196>*****
00197>*****
00198>*****
00199>*****
00200>*****
00201>*****
00202>*****
00203>*****
00204>*****
00205>*****
00206>*****
00207>*****
00208>*****
00209>*****
00210>*****
00211>*****
00212>*****
00213>*****
00214>*****
00215>*****
00216>*****
00217>*****
00218>*****
00219>*****
00220>*****
00221>*****
00222>*****
00223>*****
00224>*****
00225>*****
00226>*****
00227>*****
00228>*****
00229>*****
00230>*****
00231>*****
00232>*****
00233>*****
00234>*****
00235>*****
00236>*****
00237>*****
00238>*****
00239>*****
00240>*****
00241>*****
00242>*****
00243>*****
00244>*****
00245>*****
00246>*****
00247>*****
00248>*****
00249>*****
00250>*****
00251>*****
00252>*****
00253>*****
00254>*****
00255>*****
00256>*****
00257>*****
00258>*****
00259>*****
00260>*****
00261>*****
00262>*****
00263>*****
00264>*****
00265>*****
00266>*****
00267>*****
00268>*****
00269>*****
00270>*****

```

```

00136> SAVE HYD 03:DRAIN1 9.43 .051 No_date 2:28 4.88
00137> fname :C:\SWMHYMO\H-DRAIN1.001
00138> remark:RURAL DRAINAGE TO DRAIN 1
00139> ** END OF RUN : 1
00140>
00141>*****
00142>*****
00143>*****
00144>*****
00145>*****
00146>*****
00147>*****
00148>*****
00149>*****
00150>*****
00151>*****
00152>*****
00153>*****
00154>*****
00155>*****
00156>*****
00157>*****
00158>*****
00159>*****
00160>*****
00161>*****
00162>*****
00163>*****
00164>*****
00165>*****
00166>*****
00167>*****
00168>*****
00169>*****
00170>*****
00171>*****
00172>*****
00173>*****
00174>*****
00175>*****
00176>*****
00177>*****
00178>*****
00179>*****
00180>*****
00181>*****
00182>*****
00183>*****
00184>*****
00185>*****
00186>*****
00187>*****
00188>*****
00189>*****
00190>*****
00191>*****
00192>*****
00193>*****
00194>*****
00195>*****
00196>*****
00197>*****
00198>*****
00199>*****
00200>*****
00201>*****
00202>*****
00203>*****
00204>*****
00205>*****
00206>*****
00207>*****
00208>*****
00209>*****
00210>*****
00211>*****
00212>*****
00213>*****
00214>*****
00215>*****
00216>*****
00217>*****
00218>*****
00219>*****
00220>*****
00221>*****
00222>*****
00223>*****
00224>*****
00225>*****
00226>*****
00227>*****
00228>*****
00229>*****
00230>*****
00231>*****
00232>*****
00233>*****
00234>*****
00235>*****
00236>*****
00237>*****
00238>*****
00239>*****
00240>*****
00241>*****
00242>*****
00243>*****
00244>*****
00245>*****
00246>*****
00247>*****
00248>*****
00249>*****
00250>*****
00251>*****
00252>*****
00253>*****
00254>*****
00255>*****
00256>*****
00257>*****
00258>*****
00259>*****
00260>*****
00261>*****
00262>*****
00263>*****
00264>*****
00265>*****
00266>*****
00267>*****
00268>*****
00269>*****
00270>*****

```



```

00271> [CN= 73.0: N= 3.00]
00272> [Tp= .28:DT= 1.00]
00273> 005:0005-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00274> ADD HYD 01:WCD1 1.52 .084 No_date 12:31 23.95
00275> + 02:WCD5 2.89 .114 No_date 12:44 26.28
00276> + 03:WCD4 1.51 .079 No_date 12:32 23.95
00277> + 04:WCD7 2.23 .104 No_date 12:35 23.95
00278> [DT= 1.00] SUM= 05:DRAIN2 8.15 .364 No_date 12:35 24.78
00279> 005:0010-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00280> SAVE HYD 05:DRAIN2 8.15 .364 No_date 12:35 24.78
00281> fname :C:\SWMHYMO\H-DRAIN2.005
00282> remark:RURAL DRAINAGE TO DRAIN 2
00283> 005:0011-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00284> DESIGN NASHYD 01:WCD3 4.13 .130 No_date 12:52 25.48
00285> [CN= 75.0: N= 3.00]
00286> [Tp= .55:DT= 1.00]
00287> 005:0012-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00288> DESIGN NASHYD 02:WCD6 5.30 .089 No_date 13:35 23.95
00289> [CN= 73.0: N= 3.00]
00290> [Tp= 1.17:DT= 1.00]
00291> 005:0013-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00292> ADD HYD 01:WCD3 4.13 .130 No_date 12:52 25.48
00293> + 02:WCD6 5.30 .089 No_date 13:35 23.95
00294> [DT= 1.00] SUM= 03:DRAIN1 9.43 .197 No_date 13:01 24.62
00295> 005:0014-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00296> SAVE HYD 03:DRAIN1 9.43 .197 No_date 13:01 24.62
00297> fname :C:\SWMHYMO\H-DRAIN1.005
00298> remark:RURAL DRAINAGE TO DRAIN 1
00299> ** END OF RUN : 99
00300>
00301> *****
00302>
00303>
00304>
00305>
00306>
00307> RUN:COMMAND#
00308> 100:0010-----START-----
00309> [TZERO = .00 hrs on 0]
00310> [METOUT= 2 (1=imperial, 2=metric output)]
00311> [NSTORM= 1 ]
00312> [NRUN = 100 ]
00313> #*****
00314> # Project Name: [Mahogany, Minto - Stage 2] Project Number: [160410140]
00315> # Date : 03-10-2017
00316> # Modeller : [Ana M. Paerez]
00317> # Company : [Stantec Consulting Ltd]
00318> # License # : 3463320
00319> #*****
00320> 100:0002-----
00321> READ STORM
00322> Filename = storm.001
00323> Comment =
00324> [SDI=12.00:SDUR= 24.40:PTOT= 103.20]
00325> # RURAL DRAINAGE TRIBUTARY TO WILSON COWAN DRAIN UNDER POST DEVELOPMENT COND.
00326> # - HYDROGRAPHS TO BE IMPORTED INTO PCSWMM POST DEVELOPMENT MODEL
00327> #
00328> #
00329> 100:0003-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00330> DESIGN NASHYD 01:WCD2 14.66 .706 No_date 13:12 52.87
00331> [CN= 73.0: N= 3.00]
00332> [Tp= .85:DT= 1.00]
00333> 100:0004-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00334> SAVE HYD 01:WCD2 14.66 .706 No_date 13:12 52.87
00335> fname :C:\SWMHYMO\H-WCD2.100
00336> remark:RURAL DRAINAGE TO DRAIN 4
00337> 100:0005-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00338> DESIGN NASHYD 01:WCD1 1.52 .189 No_date 12:31 52.86
00339> [CN= 73.0: N= 3.00]
00340> [Tp= .21:DT= 1.00]
00341> 100:0006-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00342> DESIGN NASHYD 02:WCD5 2.89 .250 No_date 12:43 56.86
00343> [CN= 76.0: N= 3.00]
00344> [Tp= .42:DT= 1.00]
00345> 100:0007-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00346> DESIGN NASHYD 03:WCD4 1.51 .178 No_date 12:32 52.86
00347> [CN= 73.0: N= 3.00]
00348> [Tp= .23:DT= 1.00]
00349> 100:0008-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00350> DESIGN NASHYD 04:WCD7 2.23 .233 No_date 12:35 52.86
00351> [CN= 73.0: N= 3.00]
00352> [Tp= .28:DT= 1.00]
00353> 100:0009-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00354> ADD HYD 01:WCD1 1.52 .189 No_date 12:31 52.86
00355> + 02:WCD5 2.89 .250 No_date 12:43 56.86
00356> + 03:WCD4 1.51 .178 No_date 12:32 52.86
00357> + 04:WCD7 2.23 .233 No_date 12:35 52.86
00358> [DT= 1.00] SUM= 05:DRAIN2 8.15 .814 No_date 12:34 54.28
00359> 100:0010-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00360> SAVE HYD 05:DRAIN2 8.15 .814 No_date 12:34 54.28
00361> fname :C:\SWMHYMO\H-DRAIN2.100
00362> remark:RURAL DRAINAGE TO DRAIN 2
00363> 100:0011-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00364> DESIGN NASHYD 01:WCD3 4.13 .288 No_date 12:52 55.50
00365> [CN= 75.0: N= 3.00]
00366> [Tp= .55:DT= 1.00]
00367> 100:0012-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00368> DESIGN NASHYD 02:WCD6 5.30 .201 No_date 13:33 52.86
00369> [CN= 73.0: N= 3.00]
00370> [Tp= 1.17:DT= 1.00]
00371> 100:0013-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00372> ADD HYD 01:WCD3 4.13 .288 No_date 12:52 55.50
00373> + 02:WCD6 5.30 .201 No_date 13:33 52.86
00374> [DT= 1.00] SUM= 03:DRAIN1 9.43 .441 No_date 13:00 54.02
00375> 100:0014-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00376> SAVE HYD 03:DRAIN1 9.43 .441 No_date 13:00 54.02
00377> fname :C:\SWMHYMO\H-DRAIN1.100
00378> remark:RURAL DRAINAGE TO DRAIN 1
00379> ** END OF RUN : 199
00380>
00381> *****
00382>
00383>
00384>
00385>
00386>
00387> RUN:COMMAND#
00388> 200:0001-----START-----
00389> [TZERO = .00 hrs on 0]
00390> [METOUT= 2 (1=imperial, 2=metric output)]
00391> [NSTORM= 1 ]
00392> [NRUN = 200 ]
00393> #*****
00394> # Project Name: [Mahogany, Minto - Stage 2] Project Number: [160410140]
00395> # Date : 03-10-2017
00396> # Modeller : [Ana M. Paerez]
00397> # Company : [Stantec Consulting Ltd]
00398> # License # : 3463320
00399> #*****
00400> 200:0002-----
00401> READ STORM
00402> Filename = storm.001
00403> Comment =
00404> [SDI=10.00:SDUR= 3.17:PTOT= 71.68]

```

```

00406> # RURAL DRAINAGE TRIBUTARY TO WILSON COWAN DRAIN UNDER POST DEVELOPMENT COND.
00407> # - HYDROGRAPHS TO BE IMPORTED INTO PCSWMM POST DEVELOPMENT MODEL
00408> # FOR POND3
00409> 200:0003-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00410> DESIGN NASHYD 01:WCD2 14.66 .586 No_date 2:12 30.01
00411> [CN= 73.0: N= 3.00]
00412> [Tp= .85:DT= 1.00]
00413> 200:0004-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00414> SAVE HYD 01:WCD2 14.66 .586 No_date 2:12 30.01
00415> fname :C:\SWMHYMO\H-WCD2.200
00416> remark:RURAL DRAINAGE TO DRAIN 4
00417> 200:0005-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00418> DESIGN NASHYD 01:WCD1 1.52 .157 No_date 1:23 30.01
00419> [CN= 73.0: N= 3.00]
00420> [Tp= .21:DT= 1.00]
00421> 200:0006-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00422> DESIGN NASHYD 02:WCD5 2.89 .211 No_date 1:39 32.75
00423> [CN= 76.0: N= 3.00]
00424> [Tp= .42:DT= 1.00]
00425> 200:0007-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00426> DESIGN NASHYD 03:WCD4 1.51 .148 No_date 1:24 30.01
00427> [CN= 73.0: N= 3.00]
00428> [Tp= .23:DT= 1.00]
00429> 200:0008-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00430> DESIGN NASHYD 04:WCD7 2.23 .193 No_date 1:28 30.01
00431> [CN= 73.0: N= 3.00]
00432> [Tp= .28:DT= 1.00]
00433> 200:0009-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00434> ADD HYD 01:WCD1 1.52 .157 No_date 1:23 30.01
00435> + 02:WCD5 2.89 .211 No_date 1:39 32.75
00436> + 03:WCD4 1.51 .148 No_date 1:24 30.01
00437> + 04:WCD7 2.23 .193 No_date 1:28 30.01
00438> [DT= 1.00] SUM= 05:DRAIN2 8.15 .668 No_date 1:28 30.98
00439> 200:0010-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00440> SAVE HYD 05:DRAIN2 8.15 .668 No_date 1:28 30.98
00441> fname :C:\SWMHYMO\H-DRAIN2.200
00442> remark:RURAL DRAINAGE TO DRAIN 2
00443> 200:0011-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00444> DESIGN NASHYD 01:WCD3 4.13 .241 No_date 1:49 31.80
00445> [CN= 75.0: N= 3.00]
00446> [Tp= .55:DT= 1.00]
00447> 200:0012-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00448> DESIGN NASHYD 02:WCD6 5.30 .167 No_date 2:36 30.01
00449> [CN= 73.0: N= 3.00]
00450> [Tp= 1.17:DT= 1.00]
00451> 200:0013-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00452> ADD HYD 01:WCD3 4.13 .241 No_date 1:49 31.80
00453> + 02:WCD6 5.30 .167 No_date 2:36 30.01
00454> [DT= 1.00] SUM= 03:DRAIN1 9.43 .361 No_date 2:00 30.79
00455> 200:0014-----ID:NHYD-----AREA---QPEAK-TpeakDate_hh:mm---R.V.-
00456> SAVE HYD 03:DRAIN1 9.43 .361 No_date 2:00 30.79
00457> fname :C:\SWMHYMO\H-DRAIN1.200
00458> remark:RURAL DRAINAGE TO DRAIN 1
00459> 200:0002-----FINISH-----
00460>
00461> *****
00462> WARNINGS / ERRORS / NOTES
00463>
00464>
00465> Simulation ended on 2017-03-10 at 10:04:13
00466> *****
00467>
00468>

```

[TITLE]

[OPTIONS]

```

;;;Options
-----
FLOW_UNITS          CMS
INFILTRATION        HORTON
FLOW_ROUTING         DYNWAVE
START_DATE           01/01/1995
START_TIME           01:00:00
REPORT_START_DATE    01/01/1995
REPORT_START_TIME    01:00:00
END_DATE             01/02/1995
END_TIME             02:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             5
REPORT_STEP          00:01:00
WET_STEP             00:01:00
DRY_STEP             00:01:00
ROUTING_STEP         5
ALLOW_PONDING        NO
INERTIAL_DAMPING     PARTIAL
VARIABLE_STEP        0
LENGTHENING_STEP    0
MIN_SURFAREA         0
NORMAL_FLOW_LIMITED  SLOPE
SKIP_STEADY_STATE    NO
FORCE_MAIN_EQUATION  H-W
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              2
    
```

[EVAPORATION]

```

;;;Type
-----
Parameters
-----
MONTHLY      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
0.0  0.0  0.0
DRY_ONLY     NO
    
```

[RAINGAGES]

```

;;;
;;;Name
-----
Rain      Time   Snow   Data
Type      Intrvl Catch  Source
-----
RAINGAGE  INTENSITY 0:10:00 1    TIMESERIES 100yr3hrChicago-IBI
    
```

[SUBCATCHMENTS]

```

;;;
;;;
Pcnt.   Curb   Snow      Total   Pcnt.
;;;Name  Length  Raingage  Outlet  Area   Imperv  width
Slope
-----
C103A   0         RAINGAGE  103-S   0.82   57.1   200
1
C105A   0         RAINGAGE  C105A-S 0.37   57.1   76
1
C108A   0         RAINGAGE  C108A-S 0.48   57.1   228
0.5
C109A   0         RAINGAGE  C109A-S 0.96   57.1   365
    
```

post\_pond2\_2017-06-09\_100chi.inp

1	0						
C111A	0	RAINGAGE	C111A-S	0.6	57.1	222	
0.5	0						
C116A	0	RAINGAGE	C116A-S	1.12	57.1	373	
1	0						
C119A	0	RAINGAGE	C119A-S	0.66	57.1	95	
1	0						
C120A	0	RAINGAGE	C120A-S	2.05	57.1	777	
1	0						
L102A	0	RAINGAGE	L102A-S	2.65	57.1	1332	
2	0						
L102B	0	RAINGAGE	L102B-S	0.44	14.3	99	
2	0						
L103A	0	RAINGAGE	L103A-S	0.62	14.3	139.5	
2	0						
L104A	0	RAINGAGE	L104A-S	6.58	42.9	2070	
2	0						
L106A	0	RAINGAGE	L106A-S	2.64	50	800	
1	0						
L106B	0	RAINGAGE	L106B-S	0.43	14.3	96.75	
2	0						
L108A	0	RAINGAGE	L108A-S	3.02	57.1	1470	
2	0						
L110A	0	RAINGAGE	L110A-S	4.08	57.1	1722	
2	0						
L110B	0	RAINGAGE	L110B-S	0.84	14.3	189	
2	0						
L111A	0	RAINGAGE	L111A-S	2.2	57.1	1126	
2	0						
L111B	0	RAINGAGE	L111B-S	2.9	71.4	652.5	
2	0						
L112A	0	RAINGAGE	L112A-S	1.13	50	400	
1	0						
L113A	0	RAINGAGE	L113A-S	4.48	42.9	1550	
2	0						
L114A	0	RAINGAGE	L114A-S	1.25	50	449	
1	0						
L114B	0	RAINGAGE	L114B-S	0.4	14.3	90	
2	0						
L115A	0	RAINGAGE	L115A-S	3.72	42.9	1330	
2	0						
L116A	0	RAINGAGE	L116A-S	1.99	57.1	1010	
2	0						
L118A	0	RAINGAGE	L118A-S	2.03	57.1	856	
1	0						
L120A	0	RAINGAGE	L120A-S	4.63	57.1	2029	
2	0						
POND2	0	RAINGAGE	100-S	2.77	42.9	623.25	
5	0						

[SUBAREAS]

;;Subcatchment	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	
RouteTo	PctRouted					
;;	-----	-----	-----	-----	-----	
C103A	0.013	0.25	1.57	4.67	0	OUTLET
C105A	0.013	0.25	1.57	4.67	0	OUTLET
C108A	0.013	0.25	1.57	4.67	0	OUTLET
C109A	0.013	0.25	1.57	4.67	0	OUTLET
C111A	0.013	0.25	1.57	4.67	0	OUTLET
C116A	0.013	0.25	1.57	4.67	0	OUTLET

post\_pond2\_2017-06-09\_100chi.inp

C119A		0.013	0.25	1.57	4.67	0	OUTLET
C120A		0.013	0.25	1.57	4.67	0	OUTLET
L102A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L102B		0.013	0.25	1.57	4.67	0	
PERVIOUS	100						
L103A		0.013	0.25	1.57	4.67	0	
PERVIOUS	100						
L104A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L106A		0.013	0.25	1.57	4.67	0	OUTLET
L106B		0.013	0.25	1.57	4.67	0	
PERVIOUS	100						
L108A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L110A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L110B		0.013	0.25	1.57	4.67	0	
PERVIOUS	100						
L111A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L111B		0.013	0.25	1.57	4.67	0	OUTLET
L112A		0.013	0.25	1.57	4.67	0	OUTLET
L113A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L114A		0.013	0.25	1.57	4.67	0	OUTLET
L114B		0.013	0.25	1.57	4.67	0	
PERVIOUS	100						
L115A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L116A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
L118A		0.013	0.25	1.57	4.67	0	OUTLET
L120A		0.013	0.25	1.57	4.67	0	
PERVIOUS	30						
POND2		0.013	0.25	1.57	4.67	0	OUTLET

[INFILTRATION]

;;Subcatchment	MaxRate	MinRate	Decay	DryTime	MaxInfil
;;-----					
C103A	76.2	13.2	4.14	7	0
C105A	76.2	13.2	4.14	7	0
C108A	76.2	13.2	4.14	7	0
C109A	76.2	13.2	4.14	7	0
C111A	76.2	13.2	4.14	7	0
C116A	76.2	13.2	4.14	7	0
C119A	76.2	13.2	4.14	7	0
C120A	76.2	13.2	4.14	7	0
L102A	76.2	13.2	4.14	7	0
L102B	76.2	13.2	4.14	7	0
L103A	76.2	13.2	4.14	7	0
L104A	76.2	13.2	4.14	7	0
L106A	76.2	13.2	4.14	7	0
L106B	76.2	13.2	4.14	7	0
L108A	76.2	13.2	4.14	7	0
L110A	76.2	13.2	4.14	7	0
L110B	76.2	13.2	4.14	7	0

post\_pond2\_2017-06-09\_100chi.inp

L111A	76.2	13.2	4.14	7	0
L111B	76.2	13.2	4.14	7	0
L112A	76.2	13.2	4.14	7	0
L113A	76.2	13.2	4.14	7	0
L114A	76.2	13.2	4.14	7	0
L114B	76.2	13.2	4.14	7	0
L115A	76.2	13.2	4.14	7	0
L116A	76.2	13.2	4.14	7	0
L118A	76.2	13.2	4.14	7	0
L120A	76.2	13.2	4.14	7	0
POND2	76.2	13.2	4.14	7	0

[JUNCTIONS]

;; ;;Name	Invert Elev.	Max. Depth	Init. Depth	Surcharge Depth	Ponded Area
101	84.665	5.031	0	0	0
102	86.4	3.448	0	0	0
103	84.815	4.961	0	0	0
104	86.45	3.616	0	0	0
105	84.932	4.919	0	0	0
106	86.461	3.603	0	0	0
107	85.796	4.147	0	0	0
108	86.026	4.068	0	0	0
109	86.289	3.88	0	0	0
110	86.629	3.742	0	0	0
111	85.415	4.658	0	0	0
112	86.167	4.119	0	0	0
113	86.754	3.673	0	0	0
114	86.584	3.78	0	0	0
115	86.871	3.634	0	0	0
116	87.5	3.469	0	0	0
117	85.941	4.205	0	0	0
118	86.148	4.929	0	0	0
119	86.35	4.902	0	0	0
120	86.698	3.698	0	0	0
PH1-213	86.5	2.78	0	1.1	0
PH1-232	86.945	3.445	0	1.1	0
PH1-288	87.47	2.53	0	1.1	0

[OUTFALLS]

;; ;;Name	Invert Elev.	Outfall Type	Stage/Table Time Series	Tide Gate Route To
outlet A	84.766	TIDAL	outletA_100YRCHI_Tidal_Curve	NO

[STORAGE]

;; ;;Name	Ponded Area	Evap. Frac.	Invert Elev.	Max. Depth Infiltration	Init. Depth parameters	Storage Curve	Curve Params
1	0	0	89.84	0.46	0	FUNCTIONAL	0 0 0
100-S	0	0	83.5	4.93	2	TABULAR	Pond2_Storage_Curve
101-S	0	0	89.7	0.55	0	FUNCTIONAL	0 0 0
103-S	0	0	87.98	2.16	0	FUNCTIONAL	0 0 0
117-S	0	0	90.15	0.35	0	FUNCTIONAL	0 0 0



post_pond2_2017-06-09_100chi.inp								
120-S	90.4	0.35	0	FUNCTIONAL	0	0	0	0
0	0							
168	87.087	1.913	0	FUNCTIONAL	0	0	0	0
0	0							
172	86.517	1.983	0	FUNCTIONAL	0	0	0	0
0	0							
173A	86.286	1.714	0	FUNCTIONAL	0	0	0	0
0	0							
173B	86.211	2.439	0	FUNCTIONAL	0	0	0	0
0	0							
173C	86.174	2.476	0	FUNCTIONAL	0	0	0	0
0	0							
174	86.104	1.896	0	FUNCTIONAL	0	0	0	0
0	0							
Area1	85	2.5	0	FUNCTIONAL	0	0	0	0
0	0							
Area2	87.27	2.93	0	FUNCTIONAL	0	0	0	0
0	0							
C105A-S	88.05	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
C108A-S	88.29	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
C109A-S	88.37	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
C111A-S	88.27	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
C116A-S	89.7	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
C119A-S	89.45	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
C120A-S	89.45	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
L102A-S	87.64	2.5	0	TABULAR	L102A			
0	0							
L102B-S	88.14	2.7	0	TABULAR	L102B			
0	0							
L103A-S	89.35	0.6	0	FUNCTIONAL	0	0	0	0
0	0							
L104A-S	87.85	2.6	0	TABULAR	104A			
0	0							
L106A-S	87.91	2.51	0	TABULAR	106A			
0	0							
L106B-S	88.36	2.7	0	TABULAR	L106B			
0	0							
L108A-S	88.02	2.5	0	TABULAR	L108A			
0	0							
L110A-S	88.1	2.5	0	TABULAR	L110A			
0	0							
L110B-S	88.47	2.7	0	TABULAR	L110B			
0	0							
L111A-S	87.98	2.5	0	TABULAR	L111A			
0	0							
L111B-S	88.92	2.5	0	TABULAR	L111B			
0	0							
L112A-S	88.49	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
L113A-S	88.21	2.5	0	TABULAR	L113A			
0	0							
L114A-S	88.56	2.15	0	FUNCTIONAL	0	0	0	0
0	0							
L114B-S	88.94	2.75	0	TABULAR	L114B			
0	0							
L115A-S	88.29	2.5	0	TABULAR	L115A			
0	0							
L116A-S	88.05	2.5	0	TABULAR	L116A			
0	0							

post\_pond2\_2017-06-09\_100chi.inp

L118A-S	0	88.17	2.5	0	TABULAR	L118A		
L120A-S	0	88.33	2.5	0	TABULAR	L120A		
SU1	0	89.9	0.6	0	FUNCTIONAL	0	0	0

[CONDUITS]

;;	Outlet	Inlet	Max.	Outlet	Manning	Inlet
;;Name	Offset	Init. Node	Flow	Node	N	
;;	Offset	Flow	Flow	Flow	Length	
1	90.07	C116A-S	0	C111A-S	149	91.5
10	90.07	L116A-S	0	C111A-S	20	90.2
101-100	84.965	101	0	100-S	43.469	0.013
103-101	85.115	103	0	101	80.027	0.013
105-103	85.232	105	0	103	74.606	0.013
106-105	86.761	106	0	105	202.136	0.013
107-105	86.096	107	0	105	76.403	0.013
108-107	86.326	108	0	107	150.426	0.013
109-108	86.589	109	0	108	74.962	0.013
11	90.36	L115A-S	0	L114A-S	10	90.44
110-109	86.929	110	0	109	186.685	0.013
111-105	85.715	111	0	105	222	0.013
112-111	86.467	112	0	111	201.751	0.013
113-112	87.054	113	0	112	141.028	0.013
114-112	86.884	114	0	112	78	0.013
115-114	87.171	115	0	114	140.974	0.013
116-111	86.76	116	0	111	149.123	87.81
117-111	86.241	117	0	111	76.264	0.013
118-117	86.448	118	0	117	146.746	0.013
119-118	86.598	119	0	118	34.557	86.65
12	90.29	L114A-S	0	L112A-S	14	90.36
120-119	86.998	120	0	119	191.999	0.013
13	90.29	L113A-S	0	L112A-S	10	90.36
14	90.07	L111A-S	0	C111A-S	12	90.13
15	90.57	L111B-S	0	C111A-S	10	91.07
16	90.55	L110B-S	0	120-S	2	90.57

post_pond2_2017-06-09_100chi.inp							
17		L106B-S		L106A-S	2	0.025	90.46
18	90.06	0	0	SU1	32	0.013	90.06
19	89.9	0	0	L102A-S	10	0.013	89.84
2	89.79	1	0	C105A-S	44	0.013	90.07
20	89.85	0	0	100-S	5	0.025	89.35
21	89.3	0	0	117-S	5	0.013	90.32
22	90.15	0	0	L114A-S	75	0.013	91.34
23	90.36	0	0	1	2	0.025	90.24
3	90.1	0	0	103	290.79	0.013	86.45
4	86.02	104	0	101	152.6	0.013	86.4
5	86.09	0	0	120-S	170	0.013	91.25
594.1	90.4	0	0	Area1	50	0.013	85.5
6	85	100-S	0	C109A-S	10	0.013	90.25
7	90.17	0	0	C108A-S	16	0.013	90.17
8	90.09	0	0	120-S	20	0.013	90.48
9	90.4	0	0	C108A-S	10	0.013	90.17
c1	90.09	0	0	SU1	20	0.013	90
Culvert	89.9	0	0	173C	23	0.013	
86.211	86.174	173B	0	174	55	0.045	
Link236	86.174	173C	0	172	270	0.045	
P168	87.087	168	0	173A	130	0.045	
P172	86.517	172	0	173B	42	0.045	
86.517	86.286	173A	0	Area1	190	0.045	
P173	86.286	173A	0	outlet A	125	0.03	85
P174	86.104	174	0	168	30	0.045	87.27
PArea1	84.766	Area1	0	117-S	50	0.013	91.25
PArea2	87.087	Area2	0	100-S	40	0.025	89.9
Pipe_12-S	90.15	C119A-S	0	L106A-S	46	0.013	90.29
Pipe_16-S	89	SU1	0	100-S	20	0.025	89.7
Pipe_19-S	90.06	L112A-S	0	101-S	18	0.013	89.79
Pipe_1-S	89.3	101-S	0	101-S	16	0.013	89.78
Pipe_4-S	89.7	L102A-S	0	103-S	14	0.013	89.85
Pipe_5-S	89.7	103-S	0	103-S	16	0.013	89.85
Pipe_6-S	89.78	C105A-S	0	117-S	16	0.013	90.15
Pipe_7-S	90.07	117-S	0	C111A-S	16	0.013	90.15

post\_pond2\_2017-06-09\_100chi.inp

Pipe_8-S	C108A-S	C105A-S	48	0.013	90.09
89.85	0	0			
Pipe_9-S	120-S	C108A-S	62	0.013	90.4
90.09	0	0			
ST213	PH1-213	174	12.3	0.013	86.5
86.49	0	0			
ST232	PH1-232	172	4	0.013	
86.945	86.944	0	0		
ST288	PH1-288	168	10	0.013	87.47
87.46	0	0			

[WEIRS]

Disch. ;;Name Coeff.	Flap Gate	Inlet End Node Con.	End Coeff.	Outlet Node Surcharge	Weir Type RoadWidth	Crest Height RoadSurf
pond2weir	NO	100-S	2.6	Area1	TRANSVERSE	86.2
	0			YES		1.7

[OUTLETS]

Qcoeff/ ;;Name QTable	Inlet Node Qexpon	Flap Gate	Outlet Node	Outflow Height	Outlet Type
C103A-IC	103-S		103	87.98	TABULAR/HEAD
C103A-IC		NO			
C105A-IC	C105A-S		105	88.05	TABULAR/HEAD
105A-IC		NO			
C108A-IC	C108A-S		108	88.29	TABULAR/HEAD
C108A-IC		NO			
C109A-IC	C109A-S		109	88.37	TABULAR/HEAD
C109A-IC		NO			
C111A-IC	C111A-S		111	88.27	TABULAR/HEAD
C111A-IC		NO			
C116A-IC	C116A-S		116	89.7	TABULAR/HEAD
C116A-IC		NO			
C119A-IC	C119A-S		119	89.45	TABULAR/HEAD
C119A-IC		NO			
C120A-IC	C120A-S		120	89.1	TABULAR/HEAD
C120A-IC		NO			
L102A-IC	L102A-S		102	87.64	TABULAR/HEAD
L102A-IC		NO			
L102B-IC	L102B-S		102	88.14	TABULAR/HEAD
L102B-IC		NO			
L104A-IC	L104A-S		104	87.85	TABULAR/HEAD
L104A-IC		NO			
L106A-IC	L106A-S		106	87.91	TABULAR/HEAD
L106A-IC		NO			
L106B-IC	L106B-S		106	88.36	TABULAR/HEAD
L106B-IC		NO			
L108A-IC	L108A-S		108	88.02	TABULAR/HEAD
L108A-IC		NO			
L110A-IC	L110A-S		110	88.1	TABULAR/HEAD
L110A-IC		NO			
L110B-IC	L110B-S		110	88.47	TABULAR/HEAD
L110B-IC		NO			
L111A-IC	L111A-S		111	87.98	TABULAR/HEAD
L111A-IC		NO			
L111B-IC	L111B-S		111	88.92	TABULAR/HEAD
L111B-IC		NO			
L112A-IC	L112A-S		112	88.49	TABULAR/HEAD
L112A-IC		NO			

post\_pond2\_2017-06-09\_100chi.inp

L113A-IC	L113A-S	NO	113	88.21	TABULAR/HEAD
L113A-IC		NO			
L114A-IC	L114A-S	NO	114	88.56	TABULAR/HEAD
L114A-IC		NO			
L114B-IC	L114B-S	NO	114	88.94	TABULAR/HEAD
L114B-IC		NO			
L115A-IC	L115A-S	NO	115	88.29	TABULAR/HEAD
L115A-IC		NO			
L116A-IC	L116A-S	NO	116	88.05	TABULAR/HEAD
L116A-IC		NO			
L118A-IC	L118A-S	NO	118	88.17	TABULAR/HEAD
L118A-IC		NO			
L120A-IC	L120A-S	NO	120	88.33	TABULAR/HEAD
L120A-IC		NO			

[XSECTIONS]	Shape	Geom1	Geom2	Geom3	Geom4
;;Link					
Barrels					
;;					
1	IRREGULAR	26mROW	0	0	0
1					
10	IRREGULAR	16.5mROW	0	0	0
1					
101-100	CIRCULAR	1.8	0	1	1
1					
103-101	CIRCULAR	1.8	0	1	1
1					
105-103	CIRCULAR	1.8	0	1	1
1					
106-105	CIRCULAR	0.675	0	1	1
1					
107-105	CIRCULAR	1.05	0	1	1
1					
108-107	CIRCULAR	1.05	0	1	1
1					
109-108	CIRCULAR	0.9	0	1	1
1					
11	IRREGULAR	16.5mROW	0	0	0
1					
110-109	CIRCULAR	0.9	0	1	1
1					
111-105	CIRCULAR	1.65	0	1	1
1					
112-111	CIRCULAR	1.2	0	1	1
1					
113-112	CIRCULAR	0.825	0	1	1
1					
114-112	CIRCULAR	0.9	0	1	1
1					
115-114	CIRCULAR	0.825	0	1	1
1					
116-111	CIRCULAR	0.6	0	1	1
1					
117-111	CIRCULAR	1.2	0	1	1
1					
118-117	CIRCULAR	1.2	0	1	1
1					
119-118	CIRCULAR	1.05	0	1	1
1					
12	IRREGULAR	16.5mROW	0	0	0
1					
120-119	CIRCULAR	1.05	0	1	1
1					
13	IRREGULAR	16.5mROW	0	0	0
1					



post_pond2_2017-06-09_100chi.inp					
14	1	IRREGULAR	16.5mROW	0	0
15	1	IRREGULAR	16.5mROW	0	0
16	1	TRIANGULAR	0.6	3.6	0
17	1	TRIANGULAR	0.6	3.6	0
18	1	IRREGULAR	18mROW	0	0
19	1	IRREGULAR	16.5mROW	0	0
2	1	IRREGULAR	26mROW	0	0
20	1	TRIANGULAR	0.6	3.6	0
21	1	IRREGULAR	16.5mROW	0	0
22	1	IRREGULAR	16.5mROW	0	0
23	1	TRIANGULAR	0.6	3.6	0
3	1	CIRCULAR	0.9	1	1
4	1	CIRCULAR	0.675	1	1
5	1	IRREGULAR	26mROW	0	0
594.1	1	CIRCULAR	0.3	1	1
6	1	IRREGULAR	16.5mROW	0	0
7	1	IRREGULAR	26mROW	0	0
8	1	IRREGULAR	16.5mROW	0	0
9	1	IRREGULAR	16.5mROW	0	0
C1	1	IRREGULAR	16.5mROW	0	0
Culvert	1	RECT_CLOSED	1.5	2.4	1
Link236	1	IRREGULAR	2010-10-01Unnamed01	0	0
P168	1	IRREGULAR	2010-10-01Unnamed01	0	0
P172	1	IRREGULAR	2010-10-01Unnamed01	0	0
P173	1	IRREGULAR	2010-10-01Unnamed01	0	0
P174	1	IRREGULAR	2010-11-15Unnamed02	0	0
PArea1	1	IRREGULAR	2-relative	0	0
PArea2	1	IRREGULAR	2010-10-01Unnamed01	0	0
Pipe_12-S	1	IRREGULAR	18mROW	0	0
Pipe_16-S	1	TRAPEZOIDAL	0.6	2	3
Pipe_19-S	1	IRREGULAR	18mROW	0	0
Pipe_1-S	1	TRAPEZOIDAL	0.35	5	10
Pipe_4-S	1	IRREGULAR	18mROW	0	0

post\_pond2\_2017-06-09\_100chi.inp

Pipe_5-S	IRREGULAR	26mROW	0	0	0
1					
Pipe_6-S	IRREGULAR	26mROW	0	0	0
1					
Pipe_7-S	IRREGULAR	18mROW	0	0	0
1					
Pipe_8-S	IRREGULAR	26mROW	0	0	0
1					
Pipe_9-S	IRREGULAR	16.5mROW	0	0	0
1					
ST213	CIRCULAR	0.9	1	1	1
1					
ST232	CIRCULAR	0.9	1	1	1
1					
ST288	CIRCULAR	1.05	1	1	1
1					
pond2weir	RECT_OPEN	1.8	7	0	0

[TRANSECTS]

NC 0.060	0.060	0.030					
X1 1153		5	6.300	13.400	0.0	0.0	0.0
0.00	0.0						
GR 88.85	0	88.49	6.3	87.78	9.3	88.57	13.4
88.88	22.4						

;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, 1.8m sidewalk on one side, bank-slope = 0.02m/m, 4m bank.

NC 0.025	0.025	0.013					
X1 16.5mROW		8	10	20.3	0.0	0.0	0.0
0.0	0.0						
GR 0.35	0	0.15	10	0	10	0.13	14.25
18.5							0
GR 0.15	18.5	0.19	20.3	0.35	28.3		

NC 0.060	0.060	0.030					
X1 1706		6	7.000	12.100	0.0	0.0	0.0
0.00	0.0						
GR 89.38	0	89.08	7	88.51	9	88.51	9.8
88.96	12.1						
GR 89.38	32						

;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.245m, one sided 1.8m sidewalk.

NC 0.025	0.025	0.013					
X1 18mROW		8	10	20.3	0.0	0.0	0.0
0.0	0.0						
GR 0.35	0	0.15	10	0	10	0.13	14.25
18.5							0
GR 0.15	18.5	0.19	20.3	0.35	28.3		

NC 0.060	0.060	0.030					
X1 2		5	10.000	18.000	0.0	0.0	0.0
0.00	0.0						
GR 86.85	0	86.72	10	86.34	14	87.07	18
87.21	28						

NC 0.060	0.060	0.045					
X1 2010-10-01Unnamed01		13	38.970	65.750	0.0	0.0	0.0
0.00	0.0						
GR 88.2	37.75	87.8	38.97	87	39.77	87	40.39
87.8	41.19						
GR 87.8	43.69	87.4	50.69	87.4	53.99	87.2	54.19
87.4	55.38						
GR 87.4	58.38	87.8	65.75	88.39	67.55		

post\_pond2\_2017-06-09\_100chi.inp

NC 0.060 0.060 0.045  
 X1 2010-11-15Unnamed02 9 3.000 25.500 0.0 0.0 0.0  
 0.00 0.0  
 GR 86.56 0 85.93 3 84.73 4.2 84.73 9.2  
 85.93 10.4  
 GR 85.93 23 85.13 24.3 85.79 25.5 86.5 43.5

NC 0.060 0.060 0.030  
 X1 2406 7 14.900 25.500 0.0 0.0 0.0  
 0.00 0.0  
 GR 88.61 0 88.16 14.9 86.93 17.55 86.71 19  
 86.98 21.8  
 GR 88.34 25.5 89.05 31.8

;Full street, width = 11m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.15m, two sided 2m sidewalk.

NC 0.025 0.025 0.013  
 X1 26mROW 9 8 23 0.0 0.0 0.0  
 0.0 0.0  
 GR 0.35 0 0.19 8 0.15 10 0 10  
 0.165 15.5  
 GR 0 21 0.15 21 0.19 23 0.35 31

NC 0.060 0.060 0.030  
 X1 2-relative 5 10.000 18.000 0.0 0.0 0.0  
 0.00 0.0  
 GR 0.51 0 0.38 10 0 14 0.73 18  
 0.87 28

[LOSSES]  
 ;;Link Inlet Outlet Average Flap Gate SeepageRate  
 ;;-----

[INFLOWS]  
 ;; Param Units Scale  
 Baseline Baseline  
 ;;Node Parameter Time Series Type Factor Factor  
 Value Pattern -----  
 ;;  
 PH1-213 FLOW ST213\_100YRCHI FLOW 1.0 1  
 0  
 PH1-232 FLOW ST232\_100YRCHI FLOW 1.0 1  
 0  
 PH1-288 FLOW ST288\_100YRCHI FLOW 1.0 1  
 0  
 168 FLOW 168\_100YRCHI FLOW 1.0 1  
 0  
 172 FLOW 172\_100YRCHI FLOW 1.0 1  
 0  
 173A FLOW 173A\_100YRCHI FLOW 1.0 1  
 0  
 173B FLOW 173B\_100YRCHI FLOW 1.0 1  
 0  
 174 FLOW 174\_100YRCHI FLOW 1.0 1  
 0  
 Area1 FLOW AREA1\_100YRCHI FLOW 1.0 1  
 0  
 Area2 FLOW AREA2\_100YRCHI FLOW 1.0 1  
 0

[CURVES]  
 ;;Name Type X-Value Y-Value  
 ;;-----  
 105A-IC Rating 0 0

post\_pond2\_2017-06-09\_100chi.inp

105A-IC		1.8	0.07
105A-IC		2.15	0.072
C103A-IC	Rating	0	0
C103A-IC		1.8	0.150
C103A-IC		2.15	0.152
C104A-IC	Rating	0	0
C104A-IC		3.65	0.16
C104A-IC		3.85	0.162
C104A-IC		4	0.162
C104B-IC	Rating	0	0
C104B-IC		2.6	0.24
C104B-IC		2.8	0.242
C104B-IC		2.95	0.242
C105A-IC	Rating	0	0
C105A-IC		3.354	0.08
C105A-IC		3.554	0.082
C105A-IC		3.704	0.082
C107A-IC	Rating	0	0
C107A-IC		3.264	0.150
C107A-IC		3.464	0.152
C107A-IC		3.614	0.152
C108A-IC	Rating	0	0
C108A-IC		1.8	0.09
C108A-IC		2.15	0.092
C109A-IC	Rating	0	0
C109A-IC		1.8	0.180
C109A-IC		2.15	0.182
C111A-IC	Rating	0	0
C111A-IC		1.8	0.110
C111A-IC		2.15	0.112
C116A-IC	Rating	0	0
C116A-IC		1.8	0.210
C116A-IC		2.15	0.212
C119A-IC	Rating	0	0
C119A-IC		1.8	0.12
C119A-IC		2.15	0.122
C120A-IC	Rating	0	0
C120A-IC		1.8	0.39
C120A-IC		2.15	0.392
L102A-IC	Rating	0	0
L102A-IC		1.8	0.330
L102A-IC		2.15	0.332
L102A-IC		2.5	0.334
L102B-IC	Rating	0	0
L102B-IC		1.8	0.003
L102B-IC		2.10	0.003
L102B-IC		2.7	0.004
L104A-IC	Rating	0	0
L104A-IC		1.8	0.51
L104A-IC		2.15	0.512
L104A-IC		2.5	0.513

L106A-IC	Rating	0	0
L106A-IC		1.8	0.28
L106A-IC		2.15	0.282
L106A-IC		2.5	0.283
L106B-IC	Rating	0	0
L106B-IC		1.8	0.003
L106B-IC		2.1	0.003
L106B-IC		2.7	0.004
L108A-IC	Rating	0	0
L108A-IC		1.8	0.37
L108A-IC		2.15	0.372
L108A-IC		2.5	0.373
L109A-IC	Rating	0	0
L109A-IC		3.354	1.43
L109A-IC		3.554	1.432
L109A-IC		3.704	1.432
L110A-IC	Rating	0	0
L110A-IC		1.8	0.480
L110A-IC		2.15	0.482
L110A-IC		2.5	0.482
L110B-IC	Rating	0	0
L110B-IC		1.8	0.01
L110B-IC		2.10	0.01
L110B-IC		2.7	0.011
L111A-IC	Rating	0	0
L111A-IC		1.8	0.270
L111A-IC		2.15	0.272
L111A-IC		2.5	0.272
L111B-IC	Rating	0	0
L111B-IC		1.8	0.44
L111B-IC		2.1	0.442
L111B-IC		2.5	0.442
L112A-IC	Rating	0	0
L112A-IC		1.8	0.12
L112A-IC		2.15	0.122
L113A-IC	Rating	0	0
L113A-IC		1.8	0.35
L113A-IC		2.15	0.352
L113A-IC		2.5	0.352
L114A-IC	Rating	0	0
L114A-IC		1.8	0.13
L114A-IC		2.15	0.132
L114B-IC	Rating	0	0
L114B-IC		1.8	0.003
L114B-IC		2.4	0.003
L114B-IC		2.75	0.004
L115A-IC	Rating	0	0
L115A-IC		1.8	0.3
L115A-IC		2.15	0.302
L115A-IC		2.5	0.302
L116A-IC	Rating	0	0
L116A-IC		1.8	0.25
L116A-IC		2.15	0.252



post\_pond2\_2017-06-09\_100chi.inp

L116A-IC		2.5	0.252
L118A-IC	Rating	0	0
L118A-IC		1.8	0.25
L118A-IC		2.15	0.252
L118A-IC		2.5	0.252
L120A-IC	Rating	0	0
L120A-IC		1.8	0.55
L120A-IC		2.15	0.552
L120A-IC		2.5	0.552
104A	Storage	0	0
104A		1.8	0
104A		2.15	230
104A		2.5	230
106A	Storage	0	0
106A		1.8	0
106A		2.15	101
106A		2.5	101
C103A	Storage	0	0
C103A		3.804	0
C103A		4.004	31
C103A		4.354	31
C104A	Storage	0	0
C104A		3.65	0
C104A		3.85	43.2
C104A		4.2	43.2
C104B	Storage	0	0
C104B		2.6	0
C104B		2.8	66
C104B		3.15	66
C105A	Storage	0	0
C105A		3.354	0
C105A		3.554	23
C105A		3.904	23
L102A	Storage	0	0
L102A		1.8	0
L102A		2.15	114
L102A		2.5	114
L102B	Storage	0	0
L102B		1.8	0
L102B		2.10	700
L102B		2.7	700
L104A	Storage	0	0
L104A		2.5	0
L104A		2.7	2000
L104A		2.85	2000
L106A	Storage	0	0
L106A		3.048	0
L106A		3.248	340
L106A		3.598	340
L106B	Storage	0	0
L106B		1.8	0
L106B		2.1	800
L106B		2.7	800

post\_pond2\_2017-06-09\_100chi.inp

L108A	Storage	0	0
L108A		1.8	0
L108A		2.15	166
L108A		2.5	166
L110A	Storage	0	0
L110A		1.8	0
L110A		2.15	230
L110A		2.5	230
L110B	Storage	0	0
L110B		1.8	0
L110B		2.10	1000
L110B		2.7	1000
L111A	Storage	0	0
L111A		1.8	0
L111A		2.15	129
L111A		2.5	129
L111B	Storage	0	0
L111B		1.8	0
L111B		2.15	2500
L111B		2.5	2500
L113A	Storage	0	0
L113A		1.8	0
L113A		2.15	244
L113A		2.5	244
L114B	Storage	0	0
L114B		1.8	0
L114B		2.4	500
L114B		2.75	500
L115A	Storage	0	0
L115A		1.8	0
L115A		2.15	213
L115A		2.5	213
L116A	Storage	0	0
L116A		1.8	0
L116A		2.15	127
L116A		2.5	127
L118A	Storage	0	0
L118A		1.8	0
L118A		2.15	152
L118A		2.5	152
L120A	Storage	0	0
L120A		1.8	0
L120A		2.15	243
L120A		2.5	243
Pond2_Storage_Curve	Storage	0	10000
Pond2_Storage_Curve		2	14000
Pond2_Storage_Curve		2.7	17000
Pond2_Storage_Curve		3.2	20000
Pond2_Storage_Curve		4.93	21000

[TIMESERIES]  
 ;;Name Date Time Value  
 -----  
 ;;

post\_pond2\_2017-06-09\_100chi.inp

100yr3hrChicago-IBI	0	0
100yr3hrChicago-IBI	0:10:00	6.05
100yr3hrChicago-IBI	0:20:00	7.54
100yr3hrChicago-IBI	0:30:00	10.17
100yr3hrChicago-IBI	0:40:00	15.98
100yr3hrChicago-IBI	0:50:00	40.76
100yr3hrChicago-IBI	1:00:00	178.56
100yr3hrChicago-IBI	1:10:00	54.04
100yr3hrChicago-IBI	1:20:00	27.31
100yr3hrChicago-IBI	1:30:00	18.23
100yr3hrChicago-IBI	1:40:00	13.73
100yr3hrChicago-IBI	1:50:00	11.05
100yr3hrChicago-IBI	2:00:00	9.28
100yr3hrChicago-IBI	2:10:00	8.02
100yr3hrChicago-IBI	2:20:00	7.08
100yr3hrChicago-IBI	2:30:00	6.34
100yr3hrChicago-IBI	2:40:00	5.76
100yr3hrChicago-IBI	2:50:00	5.28
100yr3hrChicago-IBI	3:00:00	4.88

168_100YRCHI	0:00:00	0.
168_100YRCHI	0:01:01	0.
168_100YRCHI	0:01:59	0.
168_100YRCHI	0:03:00	0.
168_100YRCHI	0:04:01	0.
168_100YRCHI	0:04:59	0.
168_100YRCHI	0:06:00	0.
168_100YRCHI	0:07:01	0.
168_100YRCHI	0:07:59	0.
168_100YRCHI	0:09:00	0.
168_100YRCHI	0:10:01	0.
168_100YRCHI	0:10:59	0.
168_100YRCHI	0:12:00	0.
168_100YRCHI	0:13:01	0.
168_100YRCHI	0:13:59	0.
168_100YRCHI	0:15:00	0.
168_100YRCHI	0:16:01	0.
168_100YRCHI	0:16:59	0.
168_100YRCHI	0:18:00	0.
168_100YRCHI	0:19:01	0.
168_100YRCHI	0:19:59	0.
168_100YRCHI	0:21:00	0.
168_100YRCHI	0:22:01	0.
168_100YRCHI	0:22:59	0.
168_100YRCHI	0:24:00	0.
168_100YRCHI	0:25:01	0.
168_100YRCHI	0:25:59	0.
168_100YRCHI	0:27:00	0.
168_100YRCHI	0:28:01	0.
168_100YRCHI	0:28:59	0.
168_100YRCHI	0:30:00	0.
168_100YRCHI	0:31:01	0.
168_100YRCHI	0:31:59	0.
168_100YRCHI	0:33:00	0.
168_100YRCHI	0:34:01	0.
168_100YRCHI	0:34:59	0.
168_100YRCHI	0:36:00	0.
168_100YRCHI	0:37:01	0.
168_100YRCHI	0:37:59	0.
168_100YRCHI	0:39:00	0.
168_100YRCHI	0:40:01	0.
168_100YRCHI	0:40:59	.001
168_100YRCHI	0:42:00	.004
168_100YRCHI	0:43:01	.007

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	0:43:59	.011
168_100YRCHI	0:45:00	.017
168_100YRCHI	0:46:01	.022
168_100YRCHI	0:46:59	.026
168_100YRCHI	0:48:00	.029
168_100YRCHI	0:49:01	.032
168_100YRCHI	0:49:59	.035
168_100YRCHI	0:51:00	.045
168_100YRCHI	0:52:01	.063
168_100YRCHI	0:52:59	.087
168_100YRCHI	0:54:00	.118
168_100YRCHI	0:55:01	.155
168_100YRCHI	0:55:59	.186
168_100YRCHI	0:57:00	.21
168_100YRCHI	0:58:01	.23
168_100YRCHI	0:58:59	.246
168_100YRCHI	1:00:00	.259
168_100YRCHI	1:01:01	.262
168_100YRCHI	1:01:59	.257
168_100YRCHI	1:03:00	.244
168_100YRCHI	1:04:01	.223
168_100YRCHI	1:04:59	.195
168_100YRCHI	1:06:00	.172
168_100YRCHI	1:07:01	.155
168_100YRCHI	1:07:59	.14
168_100YRCHI	1:09:00	.129
168_100YRCHI	1:10:01	.12
168_100YRCHI	1:10:59	.111
168_100YRCHI	1:12:00	.102
168_100YRCHI	1:13:01	.094
168_100YRCHI	1:13:59	.084
168_100YRCHI	1:15:00	.075
168_100YRCHI	1:16:01	.067
168_100YRCHI	1:16:59	.06
168_100YRCHI	1:18:00	.055
168_100YRCHI	1:19:01	.051
168_100YRCHI	1:19:59	.048
168_100YRCHI	1:21:00	.045
168_100YRCHI	1:22:01	.042
168_100YRCHI	1:22:59	.039
168_100YRCHI	1:24:00	.036
168_100YRCHI	1:25:01	.033
168_100YRCHI	1:25:59	.03
168_100YRCHI	1:27:00	.028
168_100YRCHI	1:28:01	.026
168_100YRCHI	1:28:59	.025
168_100YRCHI	1:30:00	.024
168_100YRCHI	1:31:01	.023
168_100YRCHI	1:31:59	.022
168_100YRCHI	1:33:00	.021
168_100YRCHI	1:34:01	.019
168_100YRCHI	1:34:59	.018
168_100YRCHI	1:36:00	.017
168_100YRCHI	1:37:01	.016
168_100YRCHI	1:37:59	.015
168_100YRCHI	1:39:00	.014
168_100YRCHI	1:40:01	.014
168_100YRCHI	1:40:59	.013
168_100YRCHI	1:42:00	.013
168_100YRCHI	1:43:01	.012
168_100YRCHI	1:43:59	.011
168_100YRCHI	1:45:00	.011
168_100YRCHI	1:46:01	.01
168_100YRCHI	1:46:59	.009
168_100YRCHI	1:48:00	.009
168_100YRCHI	1:49:01	.009

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	1:49:59	.008
168_100YRCHI	1:51:00	.008
168_100YRCHI	1:52:01	.008
168_100YRCHI	1:52:59	.007
168_100YRCHI	1:54:00	.007
168_100YRCHI	1:55:01	.006
168_100YRCHI	1:55:59	.006
168_100YRCHI	1:57:00	.005
168_100YRCHI	1:58:01	.005
168_100YRCHI	1:58:59	.005
168_100YRCHI	2:00:00	.005
168_100YRCHI	2:01:01	.005
168_100YRCHI	2:01:59	.004
168_100YRCHI	2:03:00	.004
168_100YRCHI	2:04:01	.004
168_100YRCHI	2:04:59	.003
168_100YRCHI	2:06:00	.003
168_100YRCHI	2:07:01	.003
168_100YRCHI	2:07:59	.003
168_100YRCHI	2:09:00	.002
168_100YRCHI	2:10:01	.002
168_100YRCHI	2:10:59	.002
168_100YRCHI	2:12:00	.002
168_100YRCHI	2:13:01	.002
168_100YRCHI	2:13:59	.002
168_100YRCHI	2:15:00	.001
168_100YRCHI	2:16:01	.001
168_100YRCHI	2:16:59	.001
168_100YRCHI	2:18:00	.001
168_100YRCHI	2:19:01	.001
168_100YRCHI	2:19:59	.001
168_100YRCHI	2:21:00	0.
168_100YRCHI	2:22:01	0.
168_100YRCHI	2:22:59	0.
168_100YRCHI	2:24:00	0.
168_100YRCHI	2:25:01	0.
168_100YRCHI	2:25:59	0.
168_100YRCHI	2:27:00	0.
168_100YRCHI	2:28:01	0.
168_100YRCHI	2:28:59	0.
168_100YRCHI	2:30:00	0.
168_100YRCHI	2:31:01	0.
168_100YRCHI	2:31:59	0.
168_100YRCHI	2:33:00	0.
168_100YRCHI	2:34:01	0.
168_100YRCHI	2:34:59	0.
168_100YRCHI	2:36:00	0.
168_100YRCHI	2:37:01	0.
168_100YRCHI	2:37:59	0.
168_100YRCHI	2:39:00	0.
168_100YRCHI	2:40:01	0.
168_100YRCHI	2:40:59	0.
168_100YRCHI	2:42:00	0.
168_100YRCHI	2:43:01	0.
168_100YRCHI	2:43:59	0.
168_100YRCHI	2:45:00	0.
168_100YRCHI	2:46:01	0.
168_100YRCHI	2:46:59	0.
168_100YRCHI	2:48:00	0.
168_100YRCHI	2:49:01	0.
168_100YRCHI	2:49:59	0.
168_100YRCHI	2:51:00	0.
168_100YRCHI	2:52:01	0.
168_100YRCHI	2:52:59	0.
168_100YRCHI	2:54:00	0.
168_100YRCHI	2:55:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	2:55:59	0.
168_100YRCHI	2:57:00	0.
168_100YRCHI	2:58:01	0.
168_100YRCHI	2:58:59	0.
168_100YRCHI	3:00:00	0.
168_100YRCHI	3:01:01	0.
168_100YRCHI	3:01:59	0.
168_100YRCHI	3:03:00	0.
168_100YRCHI	3:04:01	0.
168_100YRCHI	3:04:59	0.
168_100YRCHI	3:06:00	0.
168_100YRCHI	3:07:01	0.
168_100YRCHI	3:07:59	0.
168_100YRCHI	3:09:00	0.
168_100YRCHI	3:10:01	0.
168_100YRCHI	3:10:59	0.
168_100YRCHI	3:12:00	0.
168_100YRCHI	3:13:01	0.
168_100YRCHI	3:13:59	0.
168_100YRCHI	3:15:00	0.
168_100YRCHI	3:16:01	0.
168_100YRCHI	3:16:59	0.
168_100YRCHI	3:18:00	0.
168_100YRCHI	3:19:01	0.
168_100YRCHI	3:19:59	0.
168_100YRCHI	3:21:00	0.
168_100YRCHI	3:22:01	0.
168_100YRCHI	3:22:59	0.
168_100YRCHI	3:24:00	0.
168_100YRCHI	3:25:01	0.
168_100YRCHI	3:25:59	0.
168_100YRCHI	3:27:00	0.
168_100YRCHI	3:28:01	0.
168_100YRCHI	3:28:59	0.
168_100YRCHI	3:30:00	0.
168_100YRCHI	3:31:01	0.
168_100YRCHI	3:31:59	0.
168_100YRCHI	3:33:00	0.
168_100YRCHI	3:34:01	0.
168_100YRCHI	3:34:59	0.
168_100YRCHI	3:36:00	0.
168_100YRCHI	3:37:01	0.
168_100YRCHI	3:37:59	0.
168_100YRCHI	3:39:00	0.
168_100YRCHI	3:40:01	0.
168_100YRCHI	3:40:59	0.
168_100YRCHI	3:42:00	0.
168_100YRCHI	3:43:01	0.
168_100YRCHI	3:43:59	0.
168_100YRCHI	3:45:00	0.
168_100YRCHI	3:46:01	0.
168_100YRCHI	3:46:59	0.
168_100YRCHI	3:48:00	0.
168_100YRCHI	3:49:01	0.
168_100YRCHI	3:49:59	0.
168_100YRCHI	3:51:00	0.
168_100YRCHI	3:52:01	0.
168_100YRCHI	3:52:59	0.
168_100YRCHI	3:54:00	0.
168_100YRCHI	3:55:01	0.
168_100YRCHI	3:55:59	0.
168_100YRCHI	3:57:00	0.
168_100YRCHI	3:58:01	0.
168_100YRCHI	3:58:59	0.
168_100YRCHI	4:00:00	0.
168_100YRCHI	4:01:01	0.



post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	4:01:59	0.
168_100YRCHI	4:03:00	0.
168_100YRCHI	4:04:01	0.
168_100YRCHI	4:04:59	0.
168_100YRCHI	4:06:00	0.
168_100YRCHI	4:07:01	0.
168_100YRCHI	4:07:59	0.
168_100YRCHI	4:09:00	0.
168_100YRCHI	4:10:01	0.
168_100YRCHI	4:10:59	0.
168_100YRCHI	4:12:00	0.
168_100YRCHI	4:13:01	0.
168_100YRCHI	4:13:59	0.
168_100YRCHI	4:15:00	0.
168_100YRCHI	4:16:01	0.
168_100YRCHI	4:16:59	0.
168_100YRCHI	4:18:00	0.
168_100YRCHI	4:19:01	0.
168_100YRCHI	4:19:59	0.
168_100YRCHI	4:21:00	0.
168_100YRCHI	4:22:01	0.
168_100YRCHI	4:22:59	0.
168_100YRCHI	4:24:00	0.
168_100YRCHI	4:25:01	0.
168_100YRCHI	4:25:59	0.
168_100YRCHI	4:27:00	0.
168_100YRCHI	4:28:01	0.
168_100YRCHI	4:28:59	0.
168_100YRCHI	4:30:00	0.
168_100YRCHI	4:31:01	0.
168_100YRCHI	4:31:59	0.
168_100YRCHI	4:33:00	0.
168_100YRCHI	4:34:01	0.
168_100YRCHI	4:34:59	0.
168_100YRCHI	4:36:00	0.
168_100YRCHI	4:37:01	0.
168_100YRCHI	4:37:59	0.
168_100YRCHI	4:39:00	0.
168_100YRCHI	4:40:01	0.
168_100YRCHI	4:40:59	0.
168_100YRCHI	4:42:00	0.
168_100YRCHI	4:43:01	0.
168_100YRCHI	4:43:59	0.
168_100YRCHI	4:45:00	0.
168_100YRCHI	4:46:01	0.
168_100YRCHI	4:46:59	0.
168_100YRCHI	4:48:00	0.
168_100YRCHI	4:49:01	0.
168_100YRCHI	4:49:59	0.
168_100YRCHI	4:51:00	0.
168_100YRCHI	4:52:01	0.
168_100YRCHI	4:52:59	0.
168_100YRCHI	4:54:00	0.
168_100YRCHI	4:55:01	0.
168_100YRCHI	4:55:59	0.
168_100YRCHI	4:57:00	0.
168_100YRCHI	4:58:01	0.
168_100YRCHI	4:58:59	0.
168_100YRCHI	5:00:00	0.
168_100YRCHI	5:01:01	0.
168_100YRCHI	5:01:59	0.
168_100YRCHI	5:03:00	0.
168_100YRCHI	5:04:01	0.
168_100YRCHI	5:04:59	0.
168_100YRCHI	5:06:00	0.
168_100YRCHI	5:07:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	5:07:59	0.
168_100YRCHI	5:09:00	0.
168_100YRCHI	5:10:01	0.
168_100YRCHI	5:10:59	0.
168_100YRCHI	5:12:00	0.
168_100YRCHI	5:13:01	0.
168_100YRCHI	5:13:59	0.
168_100YRCHI	5:15:00	0.
168_100YRCHI	5:16:01	0.
168_100YRCHI	5:16:59	0.
168_100YRCHI	5:18:00	0.
168_100YRCHI	5:19:01	0.
168_100YRCHI	5:19:59	0.
168_100YRCHI	5:21:00	0.
168_100YRCHI	5:22:01	0.
168_100YRCHI	5:22:59	0.
168_100YRCHI	5:24:00	0.
168_100YRCHI	5:25:01	0.
168_100YRCHI	5:25:59	0.
168_100YRCHI	5:27:00	0.
168_100YRCHI	5:28:01	0.
168_100YRCHI	5:28:59	0.
168_100YRCHI	5:30:00	0.
168_100YRCHI	5:31:01	0.
168_100YRCHI	5:31:59	0.
168_100YRCHI	5:33:00	0.
168_100YRCHI	5:34:01	0.
168_100YRCHI	5:34:59	0.
168_100YRCHI	5:36:00	0.
168_100YRCHI	5:37:01	0.
168_100YRCHI	5:37:59	0.
168_100YRCHI	5:39:00	0.
168_100YRCHI	5:40:01	0.
168_100YRCHI	5:40:59	0.
168_100YRCHI	5:42:00	0.
168_100YRCHI	5:43:01	0.
168_100YRCHI	5:43:59	0.
168_100YRCHI	5:45:00	0.
168_100YRCHI	5:46:01	0.
168_100YRCHI	5:46:59	0.
168_100YRCHI	5:48:00	0.
168_100YRCHI	5:49:01	0.
168_100YRCHI	5:49:59	0.
168_100YRCHI	5:51:00	0.
168_100YRCHI	5:52:01	0.
168_100YRCHI	5:52:59	0.
168_100YRCHI	5:54:00	0.
168_100YRCHI	5:55:01	0.
168_100YRCHI	5:55:59	0.
168_100YRCHI	5:57:00	0.
168_100YRCHI	5:58:01	0.
168_100YRCHI	5:58:59	0.
168_100YRCHI	6:00:00	0.
168_100YRCHI	6:01:01	0.
168_100YRCHI	6:01:59	0.
168_100YRCHI	6:03:00	0.
168_100YRCHI	6:04:01	0.
168_100YRCHI	6:04:59	0.
168_100YRCHI	6:06:00	0.
168_100YRCHI	6:07:01	0.
168_100YRCHI	6:07:59	0.
168_100YRCHI	6:09:00	0.
168_100YRCHI	6:10:01	0.
168_100YRCHI	6:10:59	0.
168_100YRCHI	6:12:00	0.
168_100YRCHI	6:13:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	6:13:59	0.
168_100YRCHI	6:15:00	0.
168_100YRCHI	6:16:01	0.
168_100YRCHI	6:16:59	0.
168_100YRCHI	6:18:00	0.
168_100YRCHI	6:19:01	0.
168_100YRCHI	6:19:59	0.
168_100YRCHI	6:21:00	0.
168_100YRCHI	6:22:01	0.
168_100YRCHI	6:22:59	0.
168_100YRCHI	6:24:00	0.
168_100YRCHI	6:25:01	0.
168_100YRCHI	6:25:59	0.
168_100YRCHI	6:27:00	0.
168_100YRCHI	6:28:01	0.
168_100YRCHI	6:28:59	0.
168_100YRCHI	6:30:00	0.
168_100YRCHI	6:31:01	0.
168_100YRCHI	6:31:59	0.
168_100YRCHI	6:33:00	0.
168_100YRCHI	6:34:01	0.
168_100YRCHI	6:34:59	0.
168_100YRCHI	6:36:00	0.
168_100YRCHI	6:37:01	0.
168_100YRCHI	6:37:59	0.
168_100YRCHI	6:39:00	0.
168_100YRCHI	6:40:01	0.
168_100YRCHI	6:40:59	0.
168_100YRCHI	6:42:00	0.
168_100YRCHI	6:43:01	0.
168_100YRCHI	6:43:59	0.
168_100YRCHI	6:45:00	0.
168_100YRCHI	6:46:01	0.
168_100YRCHI	6:46:59	0.
168_100YRCHI	6:48:00	0.
168_100YRCHI	6:49:01	0.
168_100YRCHI	6:49:59	0.
168_100YRCHI	6:51:00	0.
168_100YRCHI	6:52:01	0.
168_100YRCHI	6:52:59	0.
168_100YRCHI	6:54:00	0.
168_100YRCHI	6:55:01	0.
168_100YRCHI	6:55:59	0.
168_100YRCHI	6:57:00	0.
168_100YRCHI	6:58:01	0.
168_100YRCHI	6:58:59	0.
168_100YRCHI	7:00:00	0.
168_100YRCHI	7:01:01	0.
168_100YRCHI	7:01:59	0.
168_100YRCHI	7:03:00	0.
168_100YRCHI	7:04:01	0.
168_100YRCHI	7:04:59	0.
168_100YRCHI	7:06:00	0.
168_100YRCHI	7:07:01	0.
168_100YRCHI	7:07:59	0.
168_100YRCHI	7:09:00	0.
168_100YRCHI	7:10:01	0.
168_100YRCHI	7:10:59	0.
168_100YRCHI	7:12:00	0.
168_100YRCHI	7:13:01	0.
168_100YRCHI	7:13:59	0.
168_100YRCHI	7:15:00	0.
168_100YRCHI	7:16:01	0.
168_100YRCHI	7:16:59	0.
168_100YRCHI	7:18:00	0.
168_100YRCHI	7:19:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	7:19:59	0.
168_100YRCHI	7:21:00	0.
168_100YRCHI	7:22:01	0.
168_100YRCHI	7:22:59	0.
168_100YRCHI	7:24:00	0.
168_100YRCHI	7:25:01	0.
168_100YRCHI	7:25:59	0.
168_100YRCHI	7:27:00	0.
168_100YRCHI	7:28:01	0.
168_100YRCHI	7:28:59	0.
168_100YRCHI	7:30:00	0.
168_100YRCHI	7:31:01	0.
168_100YRCHI	7:31:59	0.
168_100YRCHI	7:33:00	0.
168_100YRCHI	7:34:01	0.
168_100YRCHI	7:34:59	0.
168_100YRCHI	7:36:00	0.
168_100YRCHI	7:37:01	0.
168_100YRCHI	7:37:59	0.
168_100YRCHI	7:39:00	0.
168_100YRCHI	7:40:01	0.
168_100YRCHI	7:40:59	0.
168_100YRCHI	7:42:00	0.
168_100YRCHI	7:43:01	0.
168_100YRCHI	7:43:59	0.
168_100YRCHI	7:45:00	0.
168_100YRCHI	7:46:01	0.
168_100YRCHI	7:46:59	0.
168_100YRCHI	7:48:00	0.
168_100YRCHI	7:49:01	0.
168_100YRCHI	7:49:59	0.
168_100YRCHI	7:51:00	0.
168_100YRCHI	7:52:01	0.
168_100YRCHI	7:52:59	0.
168_100YRCHI	7:54:00	0.
168_100YRCHI	7:55:01	0.
168_100YRCHI	7:55:59	0.
168_100YRCHI	7:57:00	0.
168_100YRCHI	7:58:01	0.
168_100YRCHI	7:58:59	0.
168_100YRCHI	8:00:00	0.
168_100YRCHI	8:01:01	0.
168_100YRCHI	8:01:59	0.
168_100YRCHI	8:03:00	0.
168_100YRCHI	8:04:01	0.
168_100YRCHI	8:04:59	0.
168_100YRCHI	8:06:00	0.
168_100YRCHI	8:07:01	0.
168_100YRCHI	8:07:59	0.
168_100YRCHI	8:09:00	0.
168_100YRCHI	8:10:01	0.
168_100YRCHI	8:10:59	0.
168_100YRCHI	8:12:00	0.
168_100YRCHI	8:13:01	0.
168_100YRCHI	8:13:59	0.
168_100YRCHI	8:15:00	0.
168_100YRCHI	8:16:01	0.
168_100YRCHI	8:16:59	0.
168_100YRCHI	8:18:00	0.
168_100YRCHI	8:19:01	0.
168_100YRCHI	8:19:59	0.
168_100YRCHI	8:21:00	0.
168_100YRCHI	8:22:01	0.
168_100YRCHI	8:22:59	0.
168_100YRCHI	8:24:00	0.
168_100YRCHI	8:25:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	8:25:59	0.
168_100YRCHI	8:27:00	0.
168_100YRCHI	8:28:01	0.
168_100YRCHI	8:28:59	0.
168_100YRCHI	8:30:00	0.
168_100YRCHI	8:31:01	0.
168_100YRCHI	8:31:59	0.
168_100YRCHI	8:33:00	0.
168_100YRCHI	8:34:01	0.
168_100YRCHI	8:34:59	0.
168_100YRCHI	8:36:00	0.
168_100YRCHI	8:37:01	0.
168_100YRCHI	8:37:59	0.
168_100YRCHI	8:39:00	0.
168_100YRCHI	8:40:01	0.
168_100YRCHI	8:40:59	0.
168_100YRCHI	8:42:00	0.
168_100YRCHI	8:43:01	0.
168_100YRCHI	8:43:59	0.
168_100YRCHI	8:45:00	0.
168_100YRCHI	8:46:01	0.
168_100YRCHI	8:46:59	0.
168_100YRCHI	8:48:00	0.
168_100YRCHI	8:49:01	0.
168_100YRCHI	8:49:59	0.
168_100YRCHI	8:51:00	0.
168_100YRCHI	8:52:01	0.
168_100YRCHI	8:52:59	0.
168_100YRCHI	8:54:00	0.
168_100YRCHI	8:55:01	0.
168_100YRCHI	8:55:59	0.
168_100YRCHI	8:57:00	0.
168_100YRCHI	8:58:01	0.
168_100YRCHI	8:58:59	0.
168_100YRCHI	9:00:00	0.
168_100YRCHI	9:01:01	0.
168_100YRCHI	9:01:59	0.
168_100YRCHI	9:03:00	0.
168_100YRCHI	9:04:01	0.
168_100YRCHI	9:04:59	0.
168_100YRCHI	9:06:00	0.
168_100YRCHI	9:07:01	0.
168_100YRCHI	9:07:59	0.
168_100YRCHI	9:09:00	0.
168_100YRCHI	9:10:01	0.
168_100YRCHI	9:10:59	0.
168_100YRCHI	9:12:00	0.
168_100YRCHI	9:13:01	0.
168_100YRCHI	9:13:59	0.
168_100YRCHI	9:15:00	0.
168_100YRCHI	9:16:01	0.
168_100YRCHI	9:16:59	0.
168_100YRCHI	9:18:00	0.
168_100YRCHI	9:19:01	0.
168_100YRCHI	9:19:59	0.
168_100YRCHI	9:21:00	0.
168_100YRCHI	9:22:01	0.
168_100YRCHI	9:22:59	0.
168_100YRCHI	9:24:00	0.
168_100YRCHI	9:25:01	0.
168_100YRCHI	9:25:59	0.
168_100YRCHI	9:27:00	0.
168_100YRCHI	9:28:01	0.
168_100YRCHI	9:28:59	0.
168_100YRCHI	9:30:00	0.
168_100YRCHI	9:31:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	9:31:59	0.
168_100YRCHI	9:33:00	0.
168_100YRCHI	9:34:01	0.
168_100YRCHI	9:34:59	0.
168_100YRCHI	9:36:00	0.
168_100YRCHI	9:37:01	0.
168_100YRCHI	9:37:59	0.
168_100YRCHI	9:39:00	0.
168_100YRCHI	9:40:01	0.
168_100YRCHI	9:40:59	0.
168_100YRCHI	9:42:00	0.
168_100YRCHI	9:43:01	0.
168_100YRCHI	9:43:59	0.
168_100YRCHI	9:45:00	0.
168_100YRCHI	9:46:01	0.
168_100YRCHI	9:46:59	0.
168_100YRCHI	9:48:00	0.
168_100YRCHI	9:49:01	0.
168_100YRCHI	9:49:59	0.
168_100YRCHI	9:51:00	0.
168_100YRCHI	9:52:01	0.
168_100YRCHI	9:52:59	0.
168_100YRCHI	9:54:00	0.
168_100YRCHI	9:55:01	0.
168_100YRCHI	9:55:59	0.
168_100YRCHI	9:57:00	0.
168_100YRCHI	9:58:01	0.
168_100YRCHI	9:58:59	0.
168_100YRCHI	10:00:00	0.
168_100YRCHI	10:01:01	0.
168_100YRCHI	10:01:59	0.
168_100YRCHI	10:03:00	0.
168_100YRCHI	10:04:01	0.
168_100YRCHI	10:04:59	0.
168_100YRCHI	10:06:00	0.
168_100YRCHI	10:07:01	0.
168_100YRCHI	10:07:59	0.
168_100YRCHI	10:09:00	0.
168_100YRCHI	10:10:01	0.
168_100YRCHI	10:10:59	0.
168_100YRCHI	10:12:00	0.
168_100YRCHI	10:13:01	0.
168_100YRCHI	10:13:59	0.
168_100YRCHI	10:15:00	0.
168_100YRCHI	10:16:01	0.
168_100YRCHI	10:16:59	0.
168_100YRCHI	10:18:00	0.
168_100YRCHI	10:19:01	0.
168_100YRCHI	10:19:59	0.
168_100YRCHI	10:21:00	0.
168_100YRCHI	10:22:01	0.
168_100YRCHI	10:22:59	0.
168_100YRCHI	10:24:00	0.
168_100YRCHI	10:25:01	0.
168_100YRCHI	10:25:59	0.
168_100YRCHI	10:27:00	0.
168_100YRCHI	10:28:01	0.
168_100YRCHI	10:28:59	0.
168_100YRCHI	10:30:00	0.
168_100YRCHI	10:31:01	0.
168_100YRCHI	10:31:59	0.
168_100YRCHI	10:33:00	0.
168_100YRCHI	10:34:01	0.
168_100YRCHI	10:34:59	0.
168_100YRCHI	10:36:00	0.
168_100YRCHI	10:37:01	0.



post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	10:37:59	0.
168_100YRCHI	10:39:00	0.
168_100YRCHI	10:40:01	0.
168_100YRCHI	10:40:59	0.
168_100YRCHI	10:42:00	0.
168_100YRCHI	10:43:01	0.
168_100YRCHI	10:43:59	0.
168_100YRCHI	10:45:00	0.
168_100YRCHI	10:46:01	0.
168_100YRCHI	10:46:59	0.
168_100YRCHI	10:48:00	0.
168_100YRCHI	10:49:01	0.
168_100YRCHI	10:49:59	0.
168_100YRCHI	10:51:00	0.
168_100YRCHI	10:52:01	0.
168_100YRCHI	10:52:59	0.
168_100YRCHI	10:54:00	0.
168_100YRCHI	10:55:01	0.
168_100YRCHI	10:55:59	0.
168_100YRCHI	10:57:00	0.
168_100YRCHI	10:58:01	0.
168_100YRCHI	10:58:59	0.
168_100YRCHI	11:00:00	0.
168_100YRCHI	11:01:01	0.
168_100YRCHI	11:01:59	0.
168_100YRCHI	11:03:00	0.
168_100YRCHI	11:04:01	0.
168_100YRCHI	11:04:59	0.
168_100YRCHI	11:06:00	0.
168_100YRCHI	11:07:01	0.
168_100YRCHI	11:07:59	0.
168_100YRCHI	11:09:00	0.
168_100YRCHI	11:10:01	0.
168_100YRCHI	11:10:59	0.
168_100YRCHI	11:12:00	0.
168_100YRCHI	11:13:01	0.
168_100YRCHI	11:13:59	0.
168_100YRCHI	11:15:00	0.
168_100YRCHI	11:16:01	0.
168_100YRCHI	11:16:59	0.
168_100YRCHI	11:18:00	0.
168_100YRCHI	11:19:01	0.
168_100YRCHI	11:19:59	0.
168_100YRCHI	11:21:00	0.
168_100YRCHI	11:22:01	0.
168_100YRCHI	11:22:59	0.
168_100YRCHI	11:24:00	0.
168_100YRCHI	11:25:01	0.
168_100YRCHI	11:25:59	0.
168_100YRCHI	11:27:00	0.
168_100YRCHI	11:28:01	0.
168_100YRCHI	11:28:59	0.
168_100YRCHI	11:30:00	0.
168_100YRCHI	11:31:01	0.
168_100YRCHI	11:31:59	0.
168_100YRCHI	11:33:00	0.
168_100YRCHI	11:34:01	0.
168_100YRCHI	11:34:59	0.
168_100YRCHI	11:36:00	0.
168_100YRCHI	11:37:01	0.
168_100YRCHI	11:37:59	0.
168_100YRCHI	11:39:00	0.
168_100YRCHI	11:40:01	0.
168_100YRCHI	11:40:59	0.
168_100YRCHI	11:42:00	0.
168_100YRCHI	11:43:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	11:43:59	0.
168_100YRCHI	11:45:00	0.
168_100YRCHI	11:46:01	0.
168_100YRCHI	11:46:59	0.
168_100YRCHI	11:48:00	0.
168_100YRCHI	11:49:01	0.
168_100YRCHI	11:49:59	0.
168_100YRCHI	11:51:00	0.
168_100YRCHI	11:52:01	0.
168_100YRCHI	11:52:59	0.
168_100YRCHI	11:54:00	0.
168_100YRCHI	11:55:01	0.
168_100YRCHI	11:55:59	0.
168_100YRCHI	11:57:00	0.
168_100YRCHI	11:58:01	0.
168_100YRCHI	11:58:59	0.
168_100YRCHI	12:00:00	0.
168_100YRCHI	12:01:01	0.
168_100YRCHI	12:01:59	0.
168_100YRCHI	12:03:00	0.
168_100YRCHI	12:04:01	0.
168_100YRCHI	12:04:59	0.
168_100YRCHI	12:06:00	0.
168_100YRCHI	12:07:01	0.
168_100YRCHI	12:07:59	0.
168_100YRCHI	12:09:00	0.
168_100YRCHI	12:10:01	0.
168_100YRCHI	12:10:59	0.
168_100YRCHI	12:12:00	0.
168_100YRCHI	12:13:01	0.
168_100YRCHI	12:13:59	0.
168_100YRCHI	12:15:00	0.
168_100YRCHI	12:16:01	0.
168_100YRCHI	12:16:59	0.
168_100YRCHI	12:18:00	0.
168_100YRCHI	12:19:01	0.
168_100YRCHI	12:19:59	0.
168_100YRCHI	12:21:00	0.
168_100YRCHI	12:22:01	0.
168_100YRCHI	12:22:59	0.
168_100YRCHI	12:24:00	0.
168_100YRCHI	12:25:01	0.
168_100YRCHI	12:25:59	0.
168_100YRCHI	12:27:00	0.
168_100YRCHI	12:28:01	0.
168_100YRCHI	12:28:59	0.
168_100YRCHI	12:30:00	0.
168_100YRCHI	12:31:01	0.
168_100YRCHI	12:31:59	0.
168_100YRCHI	12:33:00	0.
168_100YRCHI	12:34:01	0.
168_100YRCHI	12:34:59	0.
168_100YRCHI	12:36:00	0.
168_100YRCHI	12:37:01	0.
168_100YRCHI	12:37:59	0.
168_100YRCHI	12:39:00	0.
168_100YRCHI	12:40:01	0.
168_100YRCHI	12:40:59	0.
168_100YRCHI	12:42:00	0.
168_100YRCHI	12:43:01	0.
168_100YRCHI	12:43:59	0.
168_100YRCHI	12:45:00	0.
168_100YRCHI	12:46:01	0.
168_100YRCHI	12:46:59	0.
168_100YRCHI	12:48:00	0.
168_100YRCHI	12:49:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	12:49:59	0.
168_100YRCHI	12:51:00	0.
168_100YRCHI	12:52:01	0.
168_100YRCHI	12:52:59	0.
168_100YRCHI	12:54:00	0.
168_100YRCHI	12:55:01	0.
168_100YRCHI	12:55:59	0.
168_100YRCHI	12:57:00	0.
168_100YRCHI	12:58:01	0.
168_100YRCHI	12:58:59	0.
168_100YRCHI	13:00:00	0.
168_100YRCHI	13:01:01	0.
168_100YRCHI	13:01:59	0.
168_100YRCHI	13:03:00	0.
168_100YRCHI	13:04:01	0.
168_100YRCHI	13:04:59	0.
168_100YRCHI	13:06:00	0.
168_100YRCHI	13:07:01	0.
168_100YRCHI	13:07:59	0.
168_100YRCHI	13:09:00	0.
168_100YRCHI	13:10:01	0.
168_100YRCHI	13:10:59	0.
168_100YRCHI	13:12:00	0.
168_100YRCHI	13:13:01	0.
168_100YRCHI	13:13:59	0.
168_100YRCHI	13:15:00	0.
168_100YRCHI	13:16:01	0.
168_100YRCHI	13:16:59	0.
168_100YRCHI	13:18:00	0.
168_100YRCHI	13:19:01	0.
168_100YRCHI	13:19:59	0.
168_100YRCHI	13:21:00	0.
168_100YRCHI	13:22:01	0.
168_100YRCHI	13:22:59	0.
168_100YRCHI	13:24:00	0.
168_100YRCHI	13:25:01	0.
168_100YRCHI	13:25:59	0.
168_100YRCHI	13:27:00	0.
168_100YRCHI	13:28:01	0.
168_100YRCHI	13:28:59	0.
168_100YRCHI	13:30:00	0.
168_100YRCHI	13:31:01	0.
168_100YRCHI	13:31:59	0.
168_100YRCHI	13:33:00	0.
168_100YRCHI	13:34:01	0.
168_100YRCHI	13:34:59	0.
168_100YRCHI	13:36:00	0.
168_100YRCHI	13:37:01	0.
168_100YRCHI	13:37:59	0.
168_100YRCHI	13:39:00	0.
168_100YRCHI	13:40:01	0.
168_100YRCHI	13:40:59	0.
168_100YRCHI	13:42:00	0.
168_100YRCHI	13:43:01	0.
168_100YRCHI	13:43:59	0.
168_100YRCHI	13:45:00	0.
168_100YRCHI	13:46:01	0.
168_100YRCHI	13:46:59	0.
168_100YRCHI	13:48:00	0.
168_100YRCHI	13:49:01	0.
168_100YRCHI	13:49:59	0.
168_100YRCHI	13:51:00	0.
168_100YRCHI	13:52:01	0.
168_100YRCHI	13:52:59	0.
168_100YRCHI	13:54:00	0.
168_100YRCHI	13:55:01	0.

post\_pond2\_2017-06-09\_100chi.inp

168_100YRCHI	13:55:59	0.
168_100YRCHI	13:57:00	0.
168_100YRCHI	13:58:01	0.
168_100YRCHI	13:58:59	0.
168_100YRCHI	14:00:00	0.
168_100YRCHI	14:01:01	0.
168_100YRCHI	14:01:59	0.
168_100YRCHI	14:03:00	0.
168_100YRCHI	14:04:01	0.
168_100YRCHI	14:04:59	0.
168_100YRCHI	14:06:00	0.
168_100YRCHI	14:07:01	0.
168_100YRCHI	14:07:59	0.
168_100YRCHI	14:09:00	0.
168_100YRCHI	14:10:01	0.
168_100YRCHI	14:10:59	0.
168_100YRCHI	14:12:00	0.
168_100YRCHI	14:13:01	0.
168_100YRCHI	14:13:59	0.
168_100YRCHI	14:15:00	0.
168_100YRCHI	14:16:01	0.
168_100YRCHI	14:16:59	0.
168_100YRCHI	14:18:00	0.
168_100YRCHI	14:19:01	0.

172_100YRCHI	0:00:00	0.
172_100YRCHI	0:01:01	0.
172_100YRCHI	0:01:59	0.
172_100YRCHI	0:03:00	0.
172_100YRCHI	0:04:01	0.
172_100YRCHI	0:04:59	0.
172_100YRCHI	0:06:00	0.
172_100YRCHI	0:07:01	0.
172_100YRCHI	0:07:59	0.
172_100YRCHI	0:09:00	0.
172_100YRCHI	0:10:01	0.
172_100YRCHI	0:10:59	0.
172_100YRCHI	0:12:00	0.
172_100YRCHI	0:13:01	0.
172_100YRCHI	0:13:59	0.
172_100YRCHI	0:15:00	0.
172_100YRCHI	0:16:01	0.
172_100YRCHI	0:16:59	0.
172_100YRCHI	0:18:00	0.
172_100YRCHI	0:19:01	0.
172_100YRCHI	0:19:59	0.
172_100YRCHI	0:21:00	0.
172_100YRCHI	0:22:01	0.
172_100YRCHI	0:22:59	0.
172_100YRCHI	0:24:00	0.
172_100YRCHI	0:25:01	0.
172_100YRCHI	0:25:59	0.
172_100YRCHI	0:27:00	0.
172_100YRCHI	0:28:01	0.
172_100YRCHI	0:28:59	0.
172_100YRCHI	0:30:00	0.
172_100YRCHI	0:31:01	0.
172_100YRCHI	0:31:59	0.
172_100YRCHI	0:33:00	0.
172_100YRCHI	0:34:01	0.
172_100YRCHI	0:34:59	0.
172_100YRCHI	0:36:00	0.
172_100YRCHI	0:37:01	0.
172_100YRCHI	0:37:59	0.
172_100YRCHI	0:39:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	0:40:01	0.
172_100YRCHI	0:40:59	0.
172_100YRCHI	0:42:00	0.
172_100YRCHI	0:43:01	0.
172_100YRCHI	0:43:59	0.
172_100YRCHI	0:45:00	0.
172_100YRCHI	0:46:01	0.
172_100YRCHI	0:46:59	0.
172_100YRCHI	0:48:00	0.
172_100YRCHI	0:49:01	0.
172_100YRCHI	0:49:59	0.
172_100YRCHI	0:51:00	0.
172_100YRCHI	0:52:01	.005
172_100YRCHI	0:52:59	.039
172_100YRCHI	0:54:00	.062
172_100YRCHI	0:55:01	.079
172_100YRCHI	0:55:59	.307
172_100YRCHI	0:57:00	.386
172_100YRCHI	0:58:01	.448
172_100YRCHI	0:58:59	.5
172_100YRCHI	1:00:00	.56
172_100YRCHI	1:01:01	.574
172_100YRCHI	1:01:59	.506
172_100YRCHI	1:03:00	.445
172_100YRCHI	1:04:01	.404
172_100YRCHI	1:04:59	.353
172_100YRCHI	1:06:00	.29
172_100YRCHI	1:07:01	.221
172_100YRCHI	1:07:59	0.
172_100YRCHI	1:09:00	.099
172_100YRCHI	1:10:01	.057
172_100YRCHI	1:10:59	.029
172_100YRCHI	1:12:00	0.
172_100YRCHI	1:13:01	0.
172_100YRCHI	1:13:59	0.
172_100YRCHI	1:15:00	0.
172_100YRCHI	1:16:01	0.
172_100YRCHI	1:16:59	0.
172_100YRCHI	1:18:00	0.
172_100YRCHI	1:19:01	0.
172_100YRCHI	1:19:59	0.
172_100YRCHI	1:21:00	0.
172_100YRCHI	1:22:01	0.
172_100YRCHI	1:22:59	0.
172_100YRCHI	1:24:00	0.
172_100YRCHI	1:25:01	0.
172_100YRCHI	1:25:59	0.
172_100YRCHI	1:27:00	0.
172_100YRCHI	1:28:01	0.
172_100YRCHI	1:28:59	0.
172_100YRCHI	1:30:00	0.
172_100YRCHI	1:31:01	0.
172_100YRCHI	1:31:59	0.
172_100YRCHI	1:33:00	0.
172_100YRCHI	1:34:01	0.
172_100YRCHI	1:34:59	0.
172_100YRCHI	1:36:00	0.
172_100YRCHI	1:37:01	0.
172_100YRCHI	1:37:59	0.
172_100YRCHI	1:39:00	0.
172_100YRCHI	1:40:01	0.
172_100YRCHI	1:40:59	0.
172_100YRCHI	1:42:00	0.
172_100YRCHI	1:43:01	0.
172_100YRCHI	1:43:59	0.
172_100YRCHI	1:45:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	1:46:01	0.
172_100YRCHI	1:46:59	0.
172_100YRCHI	1:48:00	0.
172_100YRCHI	1:49:01	0.
172_100YRCHI	1:49:59	0.
172_100YRCHI	1:51:00	0.
172_100YRCHI	1:52:01	0.
172_100YRCHI	1:52:59	0.
172_100YRCHI	1:54:00	0.
172_100YRCHI	1:55:01	0.
172_100YRCHI	1:55:59	0.
172_100YRCHI	1:57:00	0.
172_100YRCHI	1:58:01	0.
172_100YRCHI	1:58:59	0.
172_100YRCHI	2:00:00	0.
172_100YRCHI	2:01:01	0.
172_100YRCHI	2:01:59	0.
172_100YRCHI	2:03:00	0.
172_100YRCHI	2:04:01	0.
172_100YRCHI	2:04:59	0.
172_100YRCHI	2:06:00	0.
172_100YRCHI	2:07:01	0.
172_100YRCHI	2:07:59	0.
172_100YRCHI	2:09:00	0.
172_100YRCHI	2:10:01	0.
172_100YRCHI	2:10:59	0.
172_100YRCHI	2:12:00	0.
172_100YRCHI	2:13:01	0.
172_100YRCHI	2:13:59	0.
172_100YRCHI	2:15:00	0.
172_100YRCHI	2:16:01	0.
172_100YRCHI	2:16:59	0.
172_100YRCHI	2:18:00	0.
172_100YRCHI	2:19:01	0.
172_100YRCHI	2:19:59	0.
172_100YRCHI	2:21:00	0.
172_100YRCHI	2:22:01	0.
172_100YRCHI	2:22:59	0.
172_100YRCHI	2:24:00	0.
172_100YRCHI	2:25:01	0.
172_100YRCHI	2:25:59	0.
172_100YRCHI	2:27:00	0.
172_100YRCHI	2:28:01	0.
172_100YRCHI	2:28:59	0.
172_100YRCHI	2:30:00	0.
172_100YRCHI	2:31:01	0.
172_100YRCHI	2:31:59	0.
172_100YRCHI	2:33:00	0.
172_100YRCHI	2:34:01	0.
172_100YRCHI	2:34:59	0.
172_100YRCHI	2:36:00	0.
172_100YRCHI	2:37:01	0.
172_100YRCHI	2:37:59	0.
172_100YRCHI	2:39:00	0.
172_100YRCHI	2:40:01	0.
172_100YRCHI	2:40:59	0.
172_100YRCHI	2:42:00	0.
172_100YRCHI	2:43:01	0.
172_100YRCHI	2:43:59	0.
172_100YRCHI	2:45:00	0.
172_100YRCHI	2:46:01	0.
172_100YRCHI	2:46:59	0.
172_100YRCHI	2:48:00	0.
172_100YRCHI	2:49:01	0.
172_100YRCHI	2:49:59	0.
172_100YRCHI	2:51:00	0.



post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	2:52:01	0.
172_100YRCHI	2:52:59	0.
172_100YRCHI	2:54:00	0.
172_100YRCHI	2:55:01	0.
172_100YRCHI	2:55:59	0.
172_100YRCHI	2:57:00	0.
172_100YRCHI	2:58:01	0.
172_100YRCHI	2:58:59	0.
172_100YRCHI	3:00:00	0.
172_100YRCHI	3:01:01	0.
172_100YRCHI	3:01:59	0.
172_100YRCHI	3:03:00	0.
172_100YRCHI	3:04:01	0.
172_100YRCHI	3:04:59	0.
172_100YRCHI	3:06:00	0.
172_100YRCHI	3:07:01	0.
172_100YRCHI	3:07:59	0.
172_100YRCHI	3:09:00	0.
172_100YRCHI	3:10:01	0.
172_100YRCHI	3:10:59	0.
172_100YRCHI	3:12:00	0.
172_100YRCHI	3:13:01	0.
172_100YRCHI	3:13:59	0.
172_100YRCHI	3:15:00	0.
172_100YRCHI	3:16:01	0.
172_100YRCHI	3:16:59	0.
172_100YRCHI	3:18:00	0.
172_100YRCHI	3:19:01	0.
172_100YRCHI	3:19:59	0.
172_100YRCHI	3:21:00	0.
172_100YRCHI	3:22:01	0.
172_100YRCHI	3:22:59	0.
172_100YRCHI	3:24:00	0.
172_100YRCHI	3:25:01	0.
172_100YRCHI	3:25:59	0.
172_100YRCHI	3:27:00	0.
172_100YRCHI	3:28:01	0.
172_100YRCHI	3:28:59	0.
172_100YRCHI	3:30:00	0.
172_100YRCHI	3:31:01	0.
172_100YRCHI	3:31:59	0.
172_100YRCHI	3:33:00	0.
172_100YRCHI	3:34:01	0.
172_100YRCHI	3:34:59	0.
172_100YRCHI	3:36:00	0.
172_100YRCHI	3:37:01	0.
172_100YRCHI	3:37:59	0.
172_100YRCHI	3:39:00	0.
172_100YRCHI	3:40:01	0.
172_100YRCHI	3:40:59	0.
172_100YRCHI	3:42:00	0.
172_100YRCHI	3:43:01	0.
172_100YRCHI	3:43:59	0.
172_100YRCHI	3:45:00	0.
172_100YRCHI	3:46:01	0.
172_100YRCHI	3:46:59	0.
172_100YRCHI	3:48:00	0.
172_100YRCHI	3:49:01	0.
172_100YRCHI	3:49:59	0.
172_100YRCHI	3:51:00	0.
172_100YRCHI	3:52:01	0.
172_100YRCHI	3:52:59	0.
172_100YRCHI	3:54:00	0.
172_100YRCHI	3:55:01	0.
172_100YRCHI	3:55:59	0.
172_100YRCHI	3:57:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	3:58:01	0.
172_100YRCHI	3:58:59	0.
172_100YRCHI	4:00:00	0.
172_100YRCHI	4:01:01	0.
172_100YRCHI	4:01:59	0.
172_100YRCHI	4:03:00	0.
172_100YRCHI	4:04:01	0.
172_100YRCHI	4:04:59	0.
172_100YRCHI	4:06:00	0.
172_100YRCHI	4:07:01	0.
172_100YRCHI	4:07:59	0.
172_100YRCHI	4:09:00	0.
172_100YRCHI	4:10:01	0.
172_100YRCHI	4:10:59	0.
172_100YRCHI	4:12:00	0.
172_100YRCHI	4:13:01	0.
172_100YRCHI	4:13:59	0.
172_100YRCHI	4:15:00	0.
172_100YRCHI	4:16:01	0.
172_100YRCHI	4:16:59	0.
172_100YRCHI	4:18:00	0.
172_100YRCHI	4:19:01	0.
172_100YRCHI	4:19:59	0.
172_100YRCHI	4:21:00	0.
172_100YRCHI	4:22:01	0.
172_100YRCHI	4:22:59	0.
172_100YRCHI	4:24:00	0.
172_100YRCHI	4:25:01	0.
172_100YRCHI	4:25:59	0.
172_100YRCHI	4:27:00	0.
172_100YRCHI	4:28:01	0.
172_100YRCHI	4:28:59	0.
172_100YRCHI	4:30:00	0.
172_100YRCHI	4:31:01	0.
172_100YRCHI	4:31:59	0.
172_100YRCHI	4:33:00	0.
172_100YRCHI	4:34:01	0.
172_100YRCHI	4:34:59	0.
172_100YRCHI	4:36:00	0.
172_100YRCHI	4:37:01	0.
172_100YRCHI	4:37:59	0.
172_100YRCHI	4:39:00	0.
172_100YRCHI	4:40:01	0.
172_100YRCHI	4:40:59	0.
172_100YRCHI	4:42:00	0.
172_100YRCHI	4:43:01	0.
172_100YRCHI	4:43:59	0.
172_100YRCHI	4:45:00	0.
172_100YRCHI	4:46:01	0.
172_100YRCHI	4:46:59	0.
172_100YRCHI	4:48:00	0.
172_100YRCHI	4:49:01	0.
172_100YRCHI	4:49:59	0.
172_100YRCHI	4:51:00	0.
172_100YRCHI	4:52:01	0.
172_100YRCHI	4:52:59	0.
172_100YRCHI	4:54:00	0.
172_100YRCHI	4:55:01	0.
172_100YRCHI	4:55:59	0.
172_100YRCHI	4:57:00	0.
172_100YRCHI	4:58:01	0.
172_100YRCHI	4:58:59	0.
172_100YRCHI	5:00:00	0.
172_100YRCHI	5:01:01	0.
172_100YRCHI	5:01:59	0.
172_100YRCHI	5:03:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	5:04:01	0.
172_100YRCHI	5:04:59	0.
172_100YRCHI	5:06:00	0.
172_100YRCHI	5:07:01	0.
172_100YRCHI	5:07:59	0.
172_100YRCHI	5:09:00	0.
172_100YRCHI	5:10:01	0.
172_100YRCHI	5:10:59	0.
172_100YRCHI	5:12:00	0.
172_100YRCHI	5:13:01	0.
172_100YRCHI	5:13:59	0.
172_100YRCHI	5:15:00	0.
172_100YRCHI	5:16:01	0.
172_100YRCHI	5:16:59	0.
172_100YRCHI	5:18:00	0.
172_100YRCHI	5:19:01	0.
172_100YRCHI	5:19:59	0.
172_100YRCHI	5:21:00	0.
172_100YRCHI	5:22:01	0.
172_100YRCHI	5:22:59	0.
172_100YRCHI	5:24:00	0.
172_100YRCHI	5:25:01	0.
172_100YRCHI	5:25:59	0.
172_100YRCHI	5:27:00	0.
172_100YRCHI	5:28:01	0.
172_100YRCHI	5:28:59	0.
172_100YRCHI	5:30:00	0.
172_100YRCHI	5:31:01	0.
172_100YRCHI	5:31:59	0.
172_100YRCHI	5:33:00	0.
172_100YRCHI	5:34:01	0.
172_100YRCHI	5:34:59	0.
172_100YRCHI	5:36:00	0.
172_100YRCHI	5:37:01	0.
172_100YRCHI	5:37:59	0.
172_100YRCHI	5:39:00	0.
172_100YRCHI	5:40:01	0.
172_100YRCHI	5:40:59	0.
172_100YRCHI	5:42:00	0.
172_100YRCHI	5:43:01	0.
172_100YRCHI	5:43:59	0.
172_100YRCHI	5:45:00	0.
172_100YRCHI	5:46:01	0.
172_100YRCHI	5:46:59	0.
172_100YRCHI	5:48:00	0.
172_100YRCHI	5:49:01	0.
172_100YRCHI	5:49:59	0.
172_100YRCHI	5:51:00	0.
172_100YRCHI	5:52:01	0.
172_100YRCHI	5:52:59	0.
172_100YRCHI	5:54:00	0.
172_100YRCHI	5:55:01	0.
172_100YRCHI	5:55:59	0.
172_100YRCHI	5:57:00	0.
172_100YRCHI	5:58:01	0.
172_100YRCHI	5:58:59	0.
172_100YRCHI	6:00:00	0.
172_100YRCHI	6:01:01	0.
172_100YRCHI	6:01:59	0.
172_100YRCHI	6:03:00	0.
172_100YRCHI	6:04:01	0.
172_100YRCHI	6:04:59	0.
172_100YRCHI	6:06:00	0.
172_100YRCHI	6:07:01	0.
172_100YRCHI	6:07:59	0.
172_100YRCHI	6:09:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	6:10:01	0.
172_100YRCHI	6:10:59	0.
172_100YRCHI	6:12:00	0.
172_100YRCHI	6:13:01	0.
172_100YRCHI	6:13:59	0.
172_100YRCHI	6:15:00	0.
172_100YRCHI	6:16:01	0.
172_100YRCHI	6:16:59	0.
172_100YRCHI	6:18:00	0.
172_100YRCHI	6:19:01	0.
172_100YRCHI	6:19:59	0.
172_100YRCHI	6:21:00	0.
172_100YRCHI	6:22:01	0.
172_100YRCHI	6:22:59	0.
172_100YRCHI	6:24:00	0.
172_100YRCHI	6:25:01	0.
172_100YRCHI	6:25:59	0.
172_100YRCHI	6:27:00	0.
172_100YRCHI	6:28:01	0.
172_100YRCHI	6:28:59	0.
172_100YRCHI	6:30:00	0.
172_100YRCHI	6:31:01	0.
172_100YRCHI	6:31:59	0.
172_100YRCHI	6:33:00	0.
172_100YRCHI	6:34:01	0.
172_100YRCHI	6:34:59	0.
172_100YRCHI	6:36:00	0.
172_100YRCHI	6:37:01	0.
172_100YRCHI	6:37:59	0.
172_100YRCHI	6:39:00	0.
172_100YRCHI	6:40:01	0.
172_100YRCHI	6:40:59	0.
172_100YRCHI	6:42:00	0.
172_100YRCHI	6:43:01	0.
172_100YRCHI	6:43:59	0.
172_100YRCHI	6:45:00	0.
172_100YRCHI	6:46:01	0.
172_100YRCHI	6:46:59	0.
172_100YRCHI	6:48:00	0.
172_100YRCHI	6:49:01	0.
172_100YRCHI	6:49:59	0.
172_100YRCHI	6:51:00	0.
172_100YRCHI	6:52:01	0.
172_100YRCHI	6:52:59	0.
172_100YRCHI	6:54:00	0.
172_100YRCHI	6:55:01	0.
172_100YRCHI	6:55:59	0.
172_100YRCHI	6:57:00	0.
172_100YRCHI	6:58:01	0.
172_100YRCHI	6:58:59	0.
172_100YRCHI	7:00:00	0.
172_100YRCHI	7:01:01	0.
172_100YRCHI	7:01:59	0.
172_100YRCHI	7:03:00	0.
172_100YRCHI	7:04:01	0.
172_100YRCHI	7:04:59	0.
172_100YRCHI	7:06:00	0.
172_100YRCHI	7:07:01	0.
172_100YRCHI	7:07:59	0.
172_100YRCHI	7:09:00	0.
172_100YRCHI	7:10:01	0.
172_100YRCHI	7:10:59	0.
172_100YRCHI	7:12:00	0.
172_100YRCHI	7:13:01	0.
172_100YRCHI	7:13:59	0.
172_100YRCHI	7:15:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	7:16:01	0.
172_100YRCHI	7:16:59	0.
172_100YRCHI	7:18:00	0.
172_100YRCHI	7:19:01	0.
172_100YRCHI	7:19:59	0.
172_100YRCHI	7:21:00	0.
172_100YRCHI	7:22:01	0.
172_100YRCHI	7:22:59	0.
172_100YRCHI	7:24:00	0.
172_100YRCHI	7:25:01	0.
172_100YRCHI	7:25:59	0.
172_100YRCHI	7:27:00	0.
172_100YRCHI	7:28:01	0.
172_100YRCHI	7:28:59	0.
172_100YRCHI	7:30:00	0.
172_100YRCHI	7:31:01	0.
172_100YRCHI	7:31:59	0.
172_100YRCHI	7:33:00	0.
172_100YRCHI	7:34:01	0.
172_100YRCHI	7:34:59	0.
172_100YRCHI	7:36:00	0.
172_100YRCHI	7:37:01	0.
172_100YRCHI	7:37:59	0.
172_100YRCHI	7:39:00	0.
172_100YRCHI	7:40:01	0.
172_100YRCHI	7:40:59	0.
172_100YRCHI	7:42:00	0.
172_100YRCHI	7:43:01	0.
172_100YRCHI	7:43:59	0.
172_100YRCHI	7:45:00	0.
172_100YRCHI	7:46:01	0.
172_100YRCHI	7:46:59	0.
172_100YRCHI	7:48:00	0.
172_100YRCHI	7:49:01	0.
172_100YRCHI	7:49:59	0.
172_100YRCHI	7:51:00	0.
172_100YRCHI	7:52:01	0.
172_100YRCHI	7:52:59	0.
172_100YRCHI	7:54:00	0.
172_100YRCHI	7:55:01	0.
172_100YRCHI	7:55:59	0.
172_100YRCHI	7:57:00	0.
172_100YRCHI	7:58:01	0.
172_100YRCHI	7:58:59	0.
172_100YRCHI	8:00:00	0.
172_100YRCHI	8:01:01	0.
172_100YRCHI	8:01:59	0.
172_100YRCHI	8:03:00	0.
172_100YRCHI	8:04:01	0.
172_100YRCHI	8:04:59	0.
172_100YRCHI	8:06:00	0.
172_100YRCHI	8:07:01	0.
172_100YRCHI	8:07:59	0.
172_100YRCHI	8:09:00	0.
172_100YRCHI	8:10:01	0.
172_100YRCHI	8:10:59	0.
172_100YRCHI	8:12:00	0.
172_100YRCHI	8:13:01	0.
172_100YRCHI	8:13:59	0.
172_100YRCHI	8:15:00	0.
172_100YRCHI	8:16:01	0.
172_100YRCHI	8:16:59	0.
172_100YRCHI	8:18:00	0.
172_100YRCHI	8:19:01	0.
172_100YRCHI	8:19:59	0.
172_100YRCHI	8:21:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	8:22:01	0.
172_100YRCHI	8:22:59	0.
172_100YRCHI	8:24:00	0.
172_100YRCHI	8:25:01	0.
172_100YRCHI	8:25:59	0.
172_100YRCHI	8:27:00	0.
172_100YRCHI	8:28:01	0.
172_100YRCHI	8:28:59	0.
172_100YRCHI	8:30:00	0.
172_100YRCHI	8:31:01	0.
172_100YRCHI	8:31:59	0.
172_100YRCHI	8:33:00	0.
172_100YRCHI	8:34:01	0.
172_100YRCHI	8:34:59	0.
172_100YRCHI	8:36:00	0.
172_100YRCHI	8:37:01	0.
172_100YRCHI	8:37:59	0.
172_100YRCHI	8:39:00	0.
172_100YRCHI	8:40:01	0.
172_100YRCHI	8:40:59	0.
172_100YRCHI	8:42:00	0.
172_100YRCHI	8:43:01	0.
172_100YRCHI	8:43:59	0.
172_100YRCHI	8:45:00	0.
172_100YRCHI	8:46:01	0.
172_100YRCHI	8:46:59	0.
172_100YRCHI	8:48:00	0.
172_100YRCHI	8:49:01	0.
172_100YRCHI	8:49:59	0.
172_100YRCHI	8:51:00	0.
172_100YRCHI	8:52:01	0.
172_100YRCHI	8:52:59	0.
172_100YRCHI	8:54:00	0.
172_100YRCHI	8:55:01	0.
172_100YRCHI	8:55:59	0.
172_100YRCHI	8:57:00	0.
172_100YRCHI	8:58:01	0.
172_100YRCHI	8:58:59	0.
172_100YRCHI	9:00:00	0.
172_100YRCHI	9:01:01	0.
172_100YRCHI	9:01:59	0.
172_100YRCHI	9:03:00	0.
172_100YRCHI	9:04:01	0.
172_100YRCHI	9:04:59	0.
172_100YRCHI	9:06:00	0.
172_100YRCHI	9:07:01	0.
172_100YRCHI	9:07:59	0.
172_100YRCHI	9:09:00	0.
172_100YRCHI	9:10:01	0.
172_100YRCHI	9:10:59	0.
172_100YRCHI	9:12:00	0.
172_100YRCHI	9:13:01	0.
172_100YRCHI	9:13:59	0.
172_100YRCHI	9:15:00	0.
172_100YRCHI	9:16:01	0.
172_100YRCHI	9:16:59	0.
172_100YRCHI	9:18:00	0.
172_100YRCHI	9:19:01	0.
172_100YRCHI	9:19:59	0.
172_100YRCHI	9:21:00	0.
172_100YRCHI	9:22:01	0.
172_100YRCHI	9:22:59	0.
172_100YRCHI	9:24:00	0.
172_100YRCHI	9:25:01	0.
172_100YRCHI	9:25:59	0.
172_100YRCHI	9:27:00	0.



post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	9:28:01	0.
172_100YRCHI	9:28:59	0.
172_100YRCHI	9:30:00	0.
172_100YRCHI	9:31:01	0.
172_100YRCHI	9:31:59	0.
172_100YRCHI	9:33:00	0.
172_100YRCHI	9:34:01	0.
172_100YRCHI	9:34:59	0.
172_100YRCHI	9:36:00	0.
172_100YRCHI	9:37:01	0.
172_100YRCHI	9:37:59	0.
172_100YRCHI	9:39:00	0.
172_100YRCHI	9:40:01	0.
172_100YRCHI	9:40:59	0.
172_100YRCHI	9:42:00	0.
172_100YRCHI	9:43:01	0.
172_100YRCHI	9:43:59	0.
172_100YRCHI	9:45:00	0.
172_100YRCHI	9:46:01	0.
172_100YRCHI	9:46:59	0.
172_100YRCHI	9:48:00	0.
172_100YRCHI	9:49:01	0.
172_100YRCHI	9:49:59	0.
172_100YRCHI	9:51:00	0.
172_100YRCHI	9:52:01	0.
172_100YRCHI	9:52:59	0.
172_100YRCHI	9:54:00	0.
172_100YRCHI	9:55:01	0.
172_100YRCHI	9:55:59	0.
172_100YRCHI	9:57:00	0.
172_100YRCHI	9:58:01	0.
172_100YRCHI	9:58:59	0.
172_100YRCHI	10:00:00	0.
172_100YRCHI	10:01:01	0.
172_100YRCHI	10:01:59	0.
172_100YRCHI	10:03:00	0.
172_100YRCHI	10:04:01	0.
172_100YRCHI	10:04:59	0.
172_100YRCHI	10:06:00	0.
172_100YRCHI	10:07:01	0.
172_100YRCHI	10:07:59	0.
172_100YRCHI	10:09:00	0.
172_100YRCHI	10:10:01	0.
172_100YRCHI	10:10:59	0.
172_100YRCHI	10:12:00	0.
172_100YRCHI	10:13:01	0.
172_100YRCHI	10:13:59	0.
172_100YRCHI	10:15:00	0.
172_100YRCHI	10:16:01	0.
172_100YRCHI	10:16:59	0.
172_100YRCHI	10:18:00	0.
172_100YRCHI	10:19:01	0.
172_100YRCHI	10:19:59	0.
172_100YRCHI	10:21:00	0.
172_100YRCHI	10:22:01	0.
172_100YRCHI	10:22:59	0.
172_100YRCHI	10:24:00	0.
172_100YRCHI	10:25:01	0.
172_100YRCHI	10:25:59	0.
172_100YRCHI	10:27:00	0.
172_100YRCHI	10:28:01	0.
172_100YRCHI	10:28:59	0.
172_100YRCHI	10:30:00	0.
172_100YRCHI	10:31:01	0.
172_100YRCHI	10:31:59	0.
172_100YRCHI	10:33:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	10:34:01	0.
172_100YRCHI	10:34:59	0.
172_100YRCHI	10:36:00	0.
172_100YRCHI	10:37:01	0.
172_100YRCHI	10:37:59	0.
172_100YRCHI	10:39:00	0.
172_100YRCHI	10:40:01	0.
172_100YRCHI	10:40:59	0.
172_100YRCHI	10:42:00	0.
172_100YRCHI	10:43:01	0.
172_100YRCHI	10:43:59	0.
172_100YRCHI	10:45:00	0.
172_100YRCHI	10:46:01	0.
172_100YRCHI	10:46:59	0.
172_100YRCHI	10:48:00	0.
172_100YRCHI	10:49:01	0.
172_100YRCHI	10:49:59	0.
172_100YRCHI	10:51:00	0.
172_100YRCHI	10:52:01	0.
172_100YRCHI	10:52:59	0.
172_100YRCHI	10:54:00	0.
172_100YRCHI	10:55:01	0.
172_100YRCHI	10:55:59	0.
172_100YRCHI	10:57:00	0.
172_100YRCHI	10:58:01	0.
172_100YRCHI	10:58:59	0.
172_100YRCHI	11:00:00	0.
172_100YRCHI	11:01:01	0.
172_100YRCHI	11:01:59	0.
172_100YRCHI	11:03:00	0.
172_100YRCHI	11:04:01	0.
172_100YRCHI	11:04:59	0.
172_100YRCHI	11:06:00	0.
172_100YRCHI	11:07:01	0.
172_100YRCHI	11:07:59	0.
172_100YRCHI	11:09:00	0.
172_100YRCHI	11:10:01	0.
172_100YRCHI	11:10:59	0.
172_100YRCHI	11:12:00	0.
172_100YRCHI	11:13:01	0.
172_100YRCHI	11:13:59	0.
172_100YRCHI	11:15:00	0.
172_100YRCHI	11:16:01	0.
172_100YRCHI	11:16:59	0.
172_100YRCHI	11:18:00	0.
172_100YRCHI	11:19:01	0.
172_100YRCHI	11:19:59	0.
172_100YRCHI	11:21:00	0.
172_100YRCHI	11:22:01	0.
172_100YRCHI	11:22:59	0.
172_100YRCHI	11:24:00	0.
172_100YRCHI	11:25:01	0.
172_100YRCHI	11:25:59	0.
172_100YRCHI	11:27:00	0.
172_100YRCHI	11:28:01	0.
172_100YRCHI	11:28:59	0.
172_100YRCHI	11:30:00	0.
172_100YRCHI	11:31:01	0.
172_100YRCHI	11:31:59	0.
172_100YRCHI	11:33:00	0.
172_100YRCHI	11:34:01	0.
172_100YRCHI	11:34:59	0.
172_100YRCHI	11:36:00	0.
172_100YRCHI	11:37:01	0.
172_100YRCHI	11:37:59	0.
172_100YRCHI	11:39:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	11:40:01	0.
172_100YRCHI	11:40:59	0.
172_100YRCHI	11:42:00	0.
172_100YRCHI	11:43:01	0.
172_100YRCHI	11:43:59	0.
172_100YRCHI	11:45:00	0.
172_100YRCHI	11:46:01	0.
172_100YRCHI	11:46:59	0.
172_100YRCHI	11:48:00	0.
172_100YRCHI	11:49:01	0.
172_100YRCHI	11:49:59	0.
172_100YRCHI	11:51:00	0.
172_100YRCHI	11:52:01	0.
172_100YRCHI	11:52:59	0.
172_100YRCHI	11:54:00	0.
172_100YRCHI	11:55:01	0.
172_100YRCHI	11:55:59	0.
172_100YRCHI	11:57:00	0.
172_100YRCHI	11:58:01	0.
172_100YRCHI	11:58:59	0.
172_100YRCHI	12:00:00	0.
172_100YRCHI	12:01:01	0.
172_100YRCHI	12:01:59	0.
172_100YRCHI	12:03:00	0.
172_100YRCHI	12:04:01	0.
172_100YRCHI	12:04:59	0.
172_100YRCHI	12:06:00	0.
172_100YRCHI	12:07:01	0.
172_100YRCHI	12:07:59	0.
172_100YRCHI	12:09:00	0.
172_100YRCHI	12:10:01	0.
172_100YRCHI	12:10:59	0.
172_100YRCHI	12:12:00	0.
172_100YRCHI	12:13:01	0.
172_100YRCHI	12:13:59	0.
172_100YRCHI	12:15:00	0.
172_100YRCHI	12:16:01	0.
172_100YRCHI	12:16:59	0.
172_100YRCHI	12:18:00	0.
172_100YRCHI	12:19:01	0.
172_100YRCHI	12:19:59	0.
172_100YRCHI	12:21:00	0.
172_100YRCHI	12:22:01	0.
172_100YRCHI	12:22:59	0.
172_100YRCHI	12:24:00	0.
172_100YRCHI	12:25:01	0.
172_100YRCHI	12:25:59	0.
172_100YRCHI	12:27:00	0.
172_100YRCHI	12:28:01	0.
172_100YRCHI	12:28:59	0.
172_100YRCHI	12:30:00	0.
172_100YRCHI	12:31:01	0.
172_100YRCHI	12:31:59	0.
172_100YRCHI	12:33:00	0.
172_100YRCHI	12:34:01	0.
172_100YRCHI	12:34:59	0.
172_100YRCHI	12:36:00	0.
172_100YRCHI	12:37:01	0.
172_100YRCHI	12:37:59	0.
172_100YRCHI	12:39:00	0.
172_100YRCHI	12:40:01	0.
172_100YRCHI	12:40:59	0.
172_100YRCHI	12:42:00	0.
172_100YRCHI	12:43:01	0.
172_100YRCHI	12:43:59	0.
172_100YRCHI	12:45:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	12:46:01	0.
172_100YRCHI	12:46:59	0.
172_100YRCHI	12:48:00	0.
172_100YRCHI	12:49:01	0.
172_100YRCHI	12:49:59	0.
172_100YRCHI	12:51:00	0.
172_100YRCHI	12:52:01	0.
172_100YRCHI	12:52:59	0.
172_100YRCHI	12:54:00	0.
172_100YRCHI	12:55:01	0.
172_100YRCHI	12:55:59	0.
172_100YRCHI	12:57:00	0.
172_100YRCHI	12:58:01	0.
172_100YRCHI	12:58:59	0.
172_100YRCHI	13:00:00	0.
172_100YRCHI	13:01:01	0.
172_100YRCHI	13:01:59	0.
172_100YRCHI	13:03:00	0.
172_100YRCHI	13:04:01	0.
172_100YRCHI	13:04:59	0.
172_100YRCHI	13:06:00	0.
172_100YRCHI	13:07:01	0.
172_100YRCHI	13:07:59	0.
172_100YRCHI	13:09:00	0.
172_100YRCHI	13:10:01	0.
172_100YRCHI	13:10:59	0.
172_100YRCHI	13:12:00	0.
172_100YRCHI	13:13:01	0.
172_100YRCHI	13:13:59	0.
172_100YRCHI	13:15:00	0.
172_100YRCHI	13:16:01	0.
172_100YRCHI	13:16:59	0.
172_100YRCHI	13:18:00	0.
172_100YRCHI	13:19:01	0.
172_100YRCHI	13:19:59	0.
172_100YRCHI	13:21:00	0.
172_100YRCHI	13:22:01	0.
172_100YRCHI	13:22:59	0.
172_100YRCHI	13:24:00	0.
172_100YRCHI	13:25:01	0.
172_100YRCHI	13:25:59	0.
172_100YRCHI	13:27:00	0.
172_100YRCHI	13:28:01	0.
172_100YRCHI	13:28:59	0.
172_100YRCHI	13:30:00	0.
172_100YRCHI	13:31:01	0.
172_100YRCHI	13:31:59	0.
172_100YRCHI	13:33:00	0.
172_100YRCHI	13:34:01	0.
172_100YRCHI	13:34:59	0.
172_100YRCHI	13:36:00	0.
172_100YRCHI	13:37:01	0.
172_100YRCHI	13:37:59	0.
172_100YRCHI	13:39:00	0.
172_100YRCHI	13:40:01	0.
172_100YRCHI	13:40:59	0.
172_100YRCHI	13:42:00	0.
172_100YRCHI	13:43:01	0.
172_100YRCHI	13:43:59	0.
172_100YRCHI	13:45:00	0.
172_100YRCHI	13:46:01	0.
172_100YRCHI	13:46:59	0.
172_100YRCHI	13:48:00	0.
172_100YRCHI	13:49:01	0.
172_100YRCHI	13:49:59	0.
172_100YRCHI	13:51:00	0.

post\_pond2\_2017-06-09\_100chi.inp

172_100YRCHI	13:52:01	0.
172_100YRCHI	13:52:59	0.
172_100YRCHI	13:54:00	0.
172_100YRCHI	13:55:01	0.
172_100YRCHI	13:55:59	0.
172_100YRCHI	13:57:00	0.
172_100YRCHI	13:58:01	0.
172_100YRCHI	13:58:59	0.
172_100YRCHI	14:00:00	0.
172_100YRCHI	14:01:01	0.
172_100YRCHI	14:01:59	0.
172_100YRCHI	14:03:00	0.
172_100YRCHI	14:04:01	0.
172_100YRCHI	14:04:59	0.
172_100YRCHI	14:06:00	0.
172_100YRCHI	14:07:01	0.
172_100YRCHI	14:07:59	0.
172_100YRCHI	14:09:00	0.
172_100YRCHI	14:10:01	0.
172_100YRCHI	14:10:59	0.
172_100YRCHI	14:12:00	0.
172_100YRCHI	14:13:01	0.
172_100YRCHI	14:13:59	0.
172_100YRCHI	14:15:00	0.
172_100YRCHI	14:16:01	0.
172_100YRCHI	14:16:59	0.
172_100YRCHI	14:18:00	0.
172_100YRCHI	14:19:01	0.

173A_100YRCHI	0:00:00	0.
173A_100YRCHI	0:01:01	0.
173A_100YRCHI	0:01:59	0.
173A_100YRCHI	0:03:00	0.
173A_100YRCHI	0:04:01	0.
173A_100YRCHI	0:04:59	0.
173A_100YRCHI	0:06:00	0.
173A_100YRCHI	0:07:01	0.
173A_100YRCHI	0:07:59	0.
173A_100YRCHI	0:09:00	0.
173A_100YRCHI	0:10:01	0.
173A_100YRCHI	0:10:59	0.
173A_100YRCHI	0:12:00	0.
173A_100YRCHI	0:13:01	0.
173A_100YRCHI	0:13:59	0.
173A_100YRCHI	0:15:00	0.
173A_100YRCHI	0:16:01	0.
173A_100YRCHI	0:16:59	0.
173A_100YRCHI	0:18:00	0.
173A_100YRCHI	0:19:01	0.
173A_100YRCHI	0:19:59	0.
173A_100YRCHI	0:21:00	0.
173A_100YRCHI	0:22:01	0.
173A_100YRCHI	0:22:59	0.
173A_100YRCHI	0:24:00	0.
173A_100YRCHI	0:25:01	0.
173A_100YRCHI	0:25:59	0.
173A_100YRCHI	0:27:00	0.
173A_100YRCHI	0:28:01	0.
173A_100YRCHI	0:28:59	0.
173A_100YRCHI	0:30:00	0.
173A_100YRCHI	0:31:01	0.
173A_100YRCHI	0:31:59	0.
173A_100YRCHI	0:33:00	0.
173A_100YRCHI	0:34:01	0.
173A_100YRCHI	0:34:59	0.
173A_100YRCHI	0:36:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	0:37:01	0.
173A_100YRCHI	0:37:59	0.
173A_100YRCHI	0:39:00	0.
173A_100YRCHI	0:40:01	0.
173A_100YRCHI	0:40:59	.001
173A_100YRCHI	0:42:00	.001
173A_100YRCHI	0:43:01	.002
173A_100YRCHI	0:43:59	.003
173A_100YRCHI	0:45:00	.005
173A_100YRCHI	0:46:01	.007
173A_100YRCHI	0:46:59	.009
173A_100YRCHI	0:48:00	.011
173A_100YRCHI	0:49:01	.013
173A_100YRCHI	0:49:59	.015
173A_100YRCHI	0:51:00	.022
173A_100YRCHI	0:52:01	.033
173A_100YRCHI	0:52:59	.049
173A_100YRCHI	0:54:00	.069
173A_100YRCHI	0:55:01	.094
173A_100YRCHI	0:55:59	.122
173A_100YRCHI	0:57:00	.147
173A_100YRCHI	0:58:01	.168
173A_100YRCHI	0:58:59	.185
173A_100YRCHI	1:00:00	.2
173A_100YRCHI	1:01:01	.209
173A_100YRCHI	1:01:59	.212
173A_100YRCHI	1:03:00	.209
173A_100YRCHI	1:04:01	.2
173A_100YRCHI	1:04:59	.187
173A_100YRCHI	1:06:00	.168
173A_100YRCHI	1:07:01	.153
173A_100YRCHI	1:07:59	.14
173A_100YRCHI	1:09:00	.129
173A_100YRCHI	1:10:01	.12
173A_100YRCHI	1:10:59	.111
173A_100YRCHI	1:12:00	.103
173A_100YRCHI	1:13:01	.095
173A_100YRCHI	1:13:59	.087
173A_100YRCHI	1:15:00	.079
173A_100YRCHI	1:16:01	.071
173A_100YRCHI	1:16:59	.064
173A_100YRCHI	1:18:00	.059
173A_100YRCHI	1:19:01	.054
173A_100YRCHI	1:19:59	.05
173A_100YRCHI	1:21:00	.046
173A_100YRCHI	1:22:01	.043
173A_100YRCHI	1:22:59	.039
173A_100YRCHI	1:24:00	.036
173A_100YRCHI	1:25:01	.033
173A_100YRCHI	1:25:59	.03
173A_100YRCHI	1:27:00	.027
173A_100YRCHI	1:28:01	.025
173A_100YRCHI	1:28:59	.023
173A_100YRCHI	1:30:00	.022
173A_100YRCHI	1:31:01	.021
173A_100YRCHI	1:31:59	.019
173A_100YRCHI	1:33:00	.018
173A_100YRCHI	1:34:01	.017
173A_100YRCHI	1:34:59	.015
173A_100YRCHI	1:36:00	.014
173A_100YRCHI	1:37:01	.013
173A_100YRCHI	1:37:59	.012
173A_100YRCHI	1:39:00	.011
173A_100YRCHI	1:40:01	.01
173A_100YRCHI	1:40:59	.01
173A_100YRCHI	1:42:00	.009



post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	1:43:01	.009
173A_100YRCHI	1:43:59	.008
173A_100YRCHI	1:45:00	.007
173A_100YRCHI	1:46:01	.006
173A_100YRCHI	1:46:59	.006
173A_100YRCHI	1:48:00	.005
173A_100YRCHI	1:49:01	.005
173A_100YRCHI	1:49:59	.005
173A_100YRCHI	1:51:00	.004
173A_100YRCHI	1:52:01	.004
173A_100YRCHI	1:52:59	.004
173A_100YRCHI	1:54:00	.003
173A_100YRCHI	1:55:01	.003
173A_100YRCHI	1:55:59	.002
173A_100YRCHI	1:57:00	.002
173A_100YRCHI	1:58:01	.002
173A_100YRCHI	1:58:59	.001
173A_100YRCHI	2:00:00	.001
173A_100YRCHI	2:01:01	.001
173A_100YRCHI	2:01:59	.001
173A_100YRCHI	2:03:00	.001
173A_100YRCHI	2:04:01	.001
173A_100YRCHI	2:04:59	.001
173A_100YRCHI	2:06:00	.001
173A_100YRCHI	2:07:01	0.
173A_100YRCHI	2:07:59	0.
173A_100YRCHI	2:09:00	0.
173A_100YRCHI	2:10:01	0.
173A_100YRCHI	2:10:59	0.
173A_100YRCHI	2:12:00	0.
173A_100YRCHI	2:13:01	0.
173A_100YRCHI	2:13:59	0.
173A_100YRCHI	2:15:00	0.
173A_100YRCHI	2:16:01	0.
173A_100YRCHI	2:16:59	0.
173A_100YRCHI	2:18:00	0.
173A_100YRCHI	2:19:01	0.
173A_100YRCHI	2:19:59	0.
173A_100YRCHI	2:21:00	0.
173A_100YRCHI	2:22:01	0.
173A_100YRCHI	2:22:59	0.
173A_100YRCHI	2:24:00	0.
173A_100YRCHI	2:25:01	0.
173A_100YRCHI	2:25:59	0.
173A_100YRCHI	2:27:00	0.
173A_100YRCHI	2:28:01	0.
173A_100YRCHI	2:28:59	0.
173A_100YRCHI	2:30:00	0.
173A_100YRCHI	2:31:01	0.
173A_100YRCHI	2:31:59	0.
173A_100YRCHI	2:33:00	0.
173A_100YRCHI	2:34:01	0.
173A_100YRCHI	2:34:59	0.
173A_100YRCHI	2:36:00	0.
173A_100YRCHI	2:37:01	0.
173A_100YRCHI	2:37:59	0.
173A_100YRCHI	2:39:00	0.
173A_100YRCHI	2:40:01	0.
173A_100YRCHI	2:40:59	0.
173A_100YRCHI	2:42:00	0.
173A_100YRCHI	2:43:01	0.
173A_100YRCHI	2:43:59	0.
173A_100YRCHI	2:45:00	0.
173A_100YRCHI	2:46:01	0.
173A_100YRCHI	2:46:59	0.
173A_100YRCHI	2:48:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	2:49:01	0.
173A_100YRCHI	2:49:59	0.
173A_100YRCHI	2:51:00	0.
173A_100YRCHI	2:52:01	0.
173A_100YRCHI	2:52:59	0.
173A_100YRCHI	2:54:00	0.
173A_100YRCHI	2:55:01	0.
173A_100YRCHI	2:55:59	0.
173A_100YRCHI	2:57:00	0.
173A_100YRCHI	2:58:01	0.
173A_100YRCHI	2:58:59	0.
173A_100YRCHI	3:00:00	0.
173A_100YRCHI	3:01:01	0.
173A_100YRCHI	3:01:59	0.
173A_100YRCHI	3:03:00	0.
173A_100YRCHI	3:04:01	0.
173A_100YRCHI	3:04:59	0.
173A_100YRCHI	3:06:00	0.
173A_100YRCHI	3:07:01	0.
173A_100YRCHI	3:07:59	0.
173A_100YRCHI	3:09:00	0.
173A_100YRCHI	3:10:01	0.
173A_100YRCHI	3:10:59	0.
173A_100YRCHI	3:12:00	0.
173A_100YRCHI	3:13:01	0.
173A_100YRCHI	3:13:59	0.
173A_100YRCHI	3:15:00	0.
173A_100YRCHI	3:16:01	0.
173A_100YRCHI	3:16:59	0.
173A_100YRCHI	3:18:00	0.
173A_100YRCHI	3:19:01	0.
173A_100YRCHI	3:19:59	0.
173A_100YRCHI	3:21:00	0.
173A_100YRCHI	3:22:01	0.
173A_100YRCHI	3:22:59	0.
173A_100YRCHI	3:24:00	0.
173A_100YRCHI	3:25:01	0.
173A_100YRCHI	3:25:59	0.
173A_100YRCHI	3:27:00	0.
173A_100YRCHI	3:28:01	0.
173A_100YRCHI	3:28:59	0.
173A_100YRCHI	3:30:00	0.
173A_100YRCHI	3:31:01	0.
173A_100YRCHI	3:31:59	0.
173A_100YRCHI	3:33:00	0.
173A_100YRCHI	3:34:01	0.
173A_100YRCHI	3:34:59	0.
173A_100YRCHI	3:36:00	0.
173A_100YRCHI	3:37:01	0.
173A_100YRCHI	3:37:59	0.
173A_100YRCHI	3:39:00	0.
173A_100YRCHI	3:40:01	0.
173A_100YRCHI	3:40:59	0.
173A_100YRCHI	3:42:00	0.
173A_100YRCHI	3:43:01	0.
173A_100YRCHI	3:43:59	0.
173A_100YRCHI	3:45:00	0.
173A_100YRCHI	3:46:01	0.
173A_100YRCHI	3:46:59	0.
173A_100YRCHI	3:48:00	0.
173A_100YRCHI	3:49:01	0.
173A_100YRCHI	3:49:59	0.
173A_100YRCHI	3:51:00	0.
173A_100YRCHI	3:52:01	0.
173A_100YRCHI	3:52:59	0.
173A_100YRCHI	3:54:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	3:55:01	0.
173A_100YRCHI	3:55:59	0.
173A_100YRCHI	3:57:00	0.
173A_100YRCHI	3:58:01	0.
173A_100YRCHI	3:58:59	0.
173A_100YRCHI	4:00:00	0.
173A_100YRCHI	4:01:01	0.
173A_100YRCHI	4:01:59	0.
173A_100YRCHI	4:03:00	0.
173A_100YRCHI	4:04:01	0.
173A_100YRCHI	4:04:59	0.
173A_100YRCHI	4:06:00	0.
173A_100YRCHI	4:07:01	0.
173A_100YRCHI	4:07:59	0.
173A_100YRCHI	4:09:00	0.
173A_100YRCHI	4:10:01	0.
173A_100YRCHI	4:10:59	0.
173A_100YRCHI	4:12:00	0.
173A_100YRCHI	4:13:01	0.
173A_100YRCHI	4:13:59	0.
173A_100YRCHI	4:15:00	0.
173A_100YRCHI	4:16:01	0.
173A_100YRCHI	4:16:59	0.
173A_100YRCHI	4:18:00	0.
173A_100YRCHI	4:19:01	0.
173A_100YRCHI	4:19:59	0.
173A_100YRCHI	4:21:00	0.
173A_100YRCHI	4:22:01	0.
173A_100YRCHI	4:22:59	0.
173A_100YRCHI	4:24:00	0.
173A_100YRCHI	4:25:01	0.
173A_100YRCHI	4:25:59	0.
173A_100YRCHI	4:27:00	0.
173A_100YRCHI	4:28:01	0.
173A_100YRCHI	4:28:59	0.
173A_100YRCHI	4:30:00	0.
173A_100YRCHI	4:31:01	0.
173A_100YRCHI	4:31:59	0.
173A_100YRCHI	4:33:00	0.
173A_100YRCHI	4:34:01	0.
173A_100YRCHI	4:34:59	0.
173A_100YRCHI	4:36:00	0.
173A_100YRCHI	4:37:01	0.
173A_100YRCHI	4:37:59	0.
173A_100YRCHI	4:39:00	0.
173A_100YRCHI	4:40:01	0.
173A_100YRCHI	4:40:59	0.
173A_100YRCHI	4:42:00	0.
173A_100YRCHI	4:43:01	0.
173A_100YRCHI	4:43:59	0.
173A_100YRCHI	4:45:00	0.
173A_100YRCHI	4:46:01	0.
173A_100YRCHI	4:46:59	0.
173A_100YRCHI	4:48:00	0.
173A_100YRCHI	4:49:01	0.
173A_100YRCHI	4:49:59	0.
173A_100YRCHI	4:51:00	0.
173A_100YRCHI	4:52:01	0.
173A_100YRCHI	4:52:59	0.
173A_100YRCHI	4:54:00	0.
173A_100YRCHI	4:55:01	0.
173A_100YRCHI	4:55:59	0.
173A_100YRCHI	4:57:00	0.
173A_100YRCHI	4:58:01	0.
173A_100YRCHI	4:58:59	0.
173A_100YRCHI	5:00:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	5:01:01	0.
173A_100YRCHI	5:01:59	0.
173A_100YRCHI	5:03:00	0.
173A_100YRCHI	5:04:01	0.
173A_100YRCHI	5:04:59	0.
173A_100YRCHI	5:06:00	0.
173A_100YRCHI	5:07:01	0.
173A_100YRCHI	5:07:59	0.
173A_100YRCHI	5:09:00	0.
173A_100YRCHI	5:10:01	0.
173A_100YRCHI	5:10:59	0.
173A_100YRCHI	5:12:00	0.
173A_100YRCHI	5:13:01	0.
173A_100YRCHI	5:13:59	0.
173A_100YRCHI	5:15:00	0.
173A_100YRCHI	5:16:01	0.
173A_100YRCHI	5:16:59	0.
173A_100YRCHI	5:18:00	0.
173A_100YRCHI	5:19:01	0.
173A_100YRCHI	5:19:59	0.
173A_100YRCHI	5:21:00	0.
173A_100YRCHI	5:22:01	0.
173A_100YRCHI	5:22:59	0.
173A_100YRCHI	5:24:00	0.
173A_100YRCHI	5:25:01	0.
173A_100YRCHI	5:25:59	0.
173A_100YRCHI	5:27:00	0.
173A_100YRCHI	5:28:01	0.
173A_100YRCHI	5:28:59	0.
173A_100YRCHI	5:30:00	0.
173A_100YRCHI	5:31:01	0.
173A_100YRCHI	5:31:59	0.
173A_100YRCHI	5:33:00	0.
173A_100YRCHI	5:34:01	0.
173A_100YRCHI	5:34:59	0.
173A_100YRCHI	5:36:00	0.
173A_100YRCHI	5:37:01	0.
173A_100YRCHI	5:37:59	0.
173A_100YRCHI	5:39:00	0.
173A_100YRCHI	5:40:01	0.
173A_100YRCHI	5:40:59	0.
173A_100YRCHI	5:42:00	0.
173A_100YRCHI	5:43:01	0.
173A_100YRCHI	5:43:59	0.
173A_100YRCHI	5:45:00	0.
173A_100YRCHI	5:46:01	0.
173A_100YRCHI	5:46:59	0.
173A_100YRCHI	5:48:00	0.
173A_100YRCHI	5:49:01	0.
173A_100YRCHI	5:49:59	0.
173A_100YRCHI	5:51:00	0.
173A_100YRCHI	5:52:01	0.
173A_100YRCHI	5:52:59	0.
173A_100YRCHI	5:54:00	0.
173A_100YRCHI	5:55:01	0.
173A_100YRCHI	5:55:59	0.
173A_100YRCHI	5:57:00	0.
173A_100YRCHI	5:58:01	0.
173A_100YRCHI	5:58:59	0.
173A_100YRCHI	6:00:00	0.
173A_100YRCHI	6:01:01	0.
173A_100YRCHI	6:01:59	0.
173A_100YRCHI	6:03:00	0.
173A_100YRCHI	6:04:01	0.
173A_100YRCHI	6:04:59	0.
173A_100YRCHI	6:06:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	6:07:01	0.
173A_100YRCHI	6:07:59	0.
173A_100YRCHI	6:09:00	0.
173A_100YRCHI	6:10:01	0.
173A_100YRCHI	6:10:59	0.
173A_100YRCHI	6:12:00	0.
173A_100YRCHI	6:13:01	0.
173A_100YRCHI	6:13:59	0.
173A_100YRCHI	6:15:00	0.
173A_100YRCHI	6:16:01	0.
173A_100YRCHI	6:16:59	0.
173A_100YRCHI	6:18:00	0.
173A_100YRCHI	6:19:01	0.
173A_100YRCHI	6:19:59	0.
173A_100YRCHI	6:21:00	0.
173A_100YRCHI	6:22:01	0.
173A_100YRCHI	6:22:59	0.
173A_100YRCHI	6:24:00	0.
173A_100YRCHI	6:25:01	0.
173A_100YRCHI	6:25:59	0.
173A_100YRCHI	6:27:00	0.
173A_100YRCHI	6:28:01	0.
173A_100YRCHI	6:28:59	0.
173A_100YRCHI	6:30:00	0.
173A_100YRCHI	6:31:01	0.
173A_100YRCHI	6:31:59	0.
173A_100YRCHI	6:33:00	0.
173A_100YRCHI	6:34:01	0.
173A_100YRCHI	6:34:59	0.
173A_100YRCHI	6:36:00	0.
173A_100YRCHI	6:37:01	0.
173A_100YRCHI	6:37:59	0.
173A_100YRCHI	6:39:00	0.
173A_100YRCHI	6:40:01	0.
173A_100YRCHI	6:40:59	0.
173A_100YRCHI	6:42:00	0.
173A_100YRCHI	6:43:01	0.
173A_100YRCHI	6:43:59	0.
173A_100YRCHI	6:45:00	0.
173A_100YRCHI	6:46:01	0.
173A_100YRCHI	6:46:59	0.
173A_100YRCHI	6:48:00	0.
173A_100YRCHI	6:49:01	0.
173A_100YRCHI	6:49:59	0.
173A_100YRCHI	6:51:00	0.
173A_100YRCHI	6:52:01	0.
173A_100YRCHI	6:52:59	0.
173A_100YRCHI	6:54:00	0.
173A_100YRCHI	6:55:01	0.
173A_100YRCHI	6:55:59	0.
173A_100YRCHI	6:57:00	0.
173A_100YRCHI	6:58:01	0.
173A_100YRCHI	6:58:59	0.
173A_100YRCHI	7:00:00	0.
173A_100YRCHI	7:01:01	0.
173A_100YRCHI	7:01:59	0.
173A_100YRCHI	7:03:00	0.
173A_100YRCHI	7:04:01	0.
173A_100YRCHI	7:04:59	0.
173A_100YRCHI	7:06:00	0.
173A_100YRCHI	7:07:01	0.
173A_100YRCHI	7:07:59	0.
173A_100YRCHI	7:09:00	0.
173A_100YRCHI	7:10:01	0.
173A_100YRCHI	7:10:59	0.
173A_100YRCHI	7:12:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	7:13:01	0.
173A_100YRCHI	7:13:59	0.
173A_100YRCHI	7:15:00	0.
173A_100YRCHI	7:16:01	0.
173A_100YRCHI	7:16:59	0.
173A_100YRCHI	7:18:00	0.
173A_100YRCHI	7:19:01	0.
173A_100YRCHI	7:19:59	0.
173A_100YRCHI	7:21:00	0.
173A_100YRCHI	7:22:01	0.
173A_100YRCHI	7:22:59	0.
173A_100YRCHI	7:24:00	0.
173A_100YRCHI	7:25:01	0.
173A_100YRCHI	7:25:59	0.
173A_100YRCHI	7:27:00	0.
173A_100YRCHI	7:28:01	0.
173A_100YRCHI	7:28:59	0.
173A_100YRCHI	7:30:00	0.
173A_100YRCHI	7:31:01	0.
173A_100YRCHI	7:31:59	0.
173A_100YRCHI	7:33:00	0.
173A_100YRCHI	7:34:01	0.
173A_100YRCHI	7:34:59	0.
173A_100YRCHI	7:36:00	0.
173A_100YRCHI	7:37:01	0.
173A_100YRCHI	7:37:59	0.
173A_100YRCHI	7:39:00	0.
173A_100YRCHI	7:40:01	0.
173A_100YRCHI	7:40:59	0.
173A_100YRCHI	7:42:00	0.
173A_100YRCHI	7:43:01	0.
173A_100YRCHI	7:43:59	0.
173A_100YRCHI	7:45:00	0.
173A_100YRCHI	7:46:01	0.
173A_100YRCHI	7:46:59	0.
173A_100YRCHI	7:48:00	0.
173A_100YRCHI	7:49:01	0.
173A_100YRCHI	7:49:59	0.
173A_100YRCHI	7:51:00	0.
173A_100YRCHI	7:52:01	0.
173A_100YRCHI	7:52:59	0.
173A_100YRCHI	7:54:00	0.
173A_100YRCHI	7:55:01	0.
173A_100YRCHI	7:55:59	0.
173A_100YRCHI	7:57:00	0.
173A_100YRCHI	7:58:01	0.
173A_100YRCHI	7:58:59	0.
173A_100YRCHI	8:00:00	0.
173A_100YRCHI	8:01:01	0.
173A_100YRCHI	8:01:59	0.
173A_100YRCHI	8:03:00	0.
173A_100YRCHI	8:04:01	0.
173A_100YRCHI	8:04:59	0.
173A_100YRCHI	8:06:00	0.
173A_100YRCHI	8:07:01	0.
173A_100YRCHI	8:07:59	0.
173A_100YRCHI	8:09:00	0.
173A_100YRCHI	8:10:01	0.
173A_100YRCHI	8:10:59	0.
173A_100YRCHI	8:12:00	0.
173A_100YRCHI	8:13:01	0.
173A_100YRCHI	8:13:59	0.
173A_100YRCHI	8:15:00	0.
173A_100YRCHI	8:16:01	0.
173A_100YRCHI	8:16:59	0.
173A_100YRCHI	8:18:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	8:19:01	0.
173A_100YRCHI	8:19:59	0.
173A_100YRCHI	8:21:00	0.
173A_100YRCHI	8:22:01	0.
173A_100YRCHI	8:22:59	0.
173A_100YRCHI	8:24:00	0.
173A_100YRCHI	8:25:01	0.
173A_100YRCHI	8:25:59	0.
173A_100YRCHI	8:27:00	0.
173A_100YRCHI	8:28:01	0.
173A_100YRCHI	8:28:59	0.
173A_100YRCHI	8:30:00	0.
173A_100YRCHI	8:31:01	0.
173A_100YRCHI	8:31:59	0.
173A_100YRCHI	8:33:00	0.
173A_100YRCHI	8:34:01	0.
173A_100YRCHI	8:34:59	0.
173A_100YRCHI	8:36:00	0.
173A_100YRCHI	8:37:01	0.
173A_100YRCHI	8:37:59	0.
173A_100YRCHI	8:39:00	0.
173A_100YRCHI	8:40:01	0.
173A_100YRCHI	8:40:59	0.
173A_100YRCHI	8:42:00	0.
173A_100YRCHI	8:43:01	0.
173A_100YRCHI	8:43:59	0.
173A_100YRCHI	8:45:00	0.
173A_100YRCHI	8:46:01	0.
173A_100YRCHI	8:46:59	0.
173A_100YRCHI	8:48:00	0.
173A_100YRCHI	8:49:01	0.
173A_100YRCHI	8:49:59	0.
173A_100YRCHI	8:51:00	0.
173A_100YRCHI	8:52:01	0.
173A_100YRCHI	8:52:59	0.
173A_100YRCHI	8:54:00	0.
173A_100YRCHI	8:55:01	0.
173A_100YRCHI	8:55:59	0.
173A_100YRCHI	8:57:00	0.
173A_100YRCHI	8:58:01	0.
173A_100YRCHI	8:58:59	0.
173A_100YRCHI	9:00:00	0.
173A_100YRCHI	9:01:01	0.
173A_100YRCHI	9:01:59	0.
173A_100YRCHI	9:03:00	0.
173A_100YRCHI	9:04:01	0.
173A_100YRCHI	9:04:59	0.
173A_100YRCHI	9:06:00	0.
173A_100YRCHI	9:07:01	0.
173A_100YRCHI	9:07:59	0.
173A_100YRCHI	9:09:00	0.
173A_100YRCHI	9:10:01	0.
173A_100YRCHI	9:10:59	0.
173A_100YRCHI	9:12:00	0.
173A_100YRCHI	9:13:01	0.
173A_100YRCHI	9:13:59	0.
173A_100YRCHI	9:15:00	0.
173A_100YRCHI	9:16:01	0.
173A_100YRCHI	9:16:59	0.
173A_100YRCHI	9:18:00	0.
173A_100YRCHI	9:19:01	0.
173A_100YRCHI	9:19:59	0.
173A_100YRCHI	9:21:00	0.
173A_100YRCHI	9:22:01	0.
173A_100YRCHI	9:22:59	0.
173A_100YRCHI	9:24:00	0.



post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	9:25:01	0.
173A_100YRCHI	9:25:59	0.
173A_100YRCHI	9:27:00	0.
173A_100YRCHI	9:28:01	0.
173A_100YRCHI	9:28:59	0.
173A_100YRCHI	9:30:00	0.
173A_100YRCHI	9:31:01	0.
173A_100YRCHI	9:31:59	0.
173A_100YRCHI	9:33:00	0.
173A_100YRCHI	9:34:01	0.
173A_100YRCHI	9:34:59	0.
173A_100YRCHI	9:36:00	0.
173A_100YRCHI	9:37:01	0.
173A_100YRCHI	9:37:59	0.
173A_100YRCHI	9:39:00	0.
173A_100YRCHI	9:40:01	0.
173A_100YRCHI	9:40:59	0.
173A_100YRCHI	9:42:00	0.
173A_100YRCHI	9:43:01	0.
173A_100YRCHI	9:43:59	0.
173A_100YRCHI	9:45:00	0.
173A_100YRCHI	9:46:01	0.
173A_100YRCHI	9:46:59	0.
173A_100YRCHI	9:48:00	0.
173A_100YRCHI	9:49:01	0.
173A_100YRCHI	9:49:59	0.
173A_100YRCHI	9:51:00	0.
173A_100YRCHI	9:52:01	0.
173A_100YRCHI	9:52:59	0.
173A_100YRCHI	9:54:00	0.
173A_100YRCHI	9:55:01	0.
173A_100YRCHI	9:55:59	0.
173A_100YRCHI	9:57:00	0.
173A_100YRCHI	9:58:01	0.
173A_100YRCHI	9:58:59	0.
173A_100YRCHI	10:00:00	0.
173A_100YRCHI	10:01:01	0.
173A_100YRCHI	10:01:59	0.
173A_100YRCHI	10:03:00	0.
173A_100YRCHI	10:04:01	0.
173A_100YRCHI	10:04:59	0.
173A_100YRCHI	10:06:00	0.
173A_100YRCHI	10:07:01	0.
173A_100YRCHI	10:07:59	0.
173A_100YRCHI	10:09:00	0.
173A_100YRCHI	10:10:01	0.
173A_100YRCHI	10:10:59	0.
173A_100YRCHI	10:12:00	0.
173A_100YRCHI	10:13:01	0.
173A_100YRCHI	10:13:59	0.
173A_100YRCHI	10:15:00	0.
173A_100YRCHI	10:16:01	0.
173A_100YRCHI	10:16:59	0.
173A_100YRCHI	10:18:00	0.
173A_100YRCHI	10:19:01	0.
173A_100YRCHI	10:19:59	0.
173A_100YRCHI	10:21:00	0.
173A_100YRCHI	10:22:01	0.
173A_100YRCHI	10:22:59	0.
173A_100YRCHI	10:24:00	0.
173A_100YRCHI	10:25:01	0.
173A_100YRCHI	10:25:59	0.
173A_100YRCHI	10:27:00	0.
173A_100YRCHI	10:28:01	0.
173A_100YRCHI	10:28:59	0.
173A_100YRCHI	10:30:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	10:31:01	0.
173A_100YRCHI	10:31:59	0.
173A_100YRCHI	10:33:00	0.
173A_100YRCHI	10:34:01	0.
173A_100YRCHI	10:34:59	0.
173A_100YRCHI	10:36:00	0.
173A_100YRCHI	10:37:01	0.
173A_100YRCHI	10:37:59	0.
173A_100YRCHI	10:39:00	0.
173A_100YRCHI	10:40:01	0.
173A_100YRCHI	10:40:59	0.
173A_100YRCHI	10:42:00	0.
173A_100YRCHI	10:43:01	0.
173A_100YRCHI	10:43:59	0.
173A_100YRCHI	10:45:00	0.
173A_100YRCHI	10:46:01	0.
173A_100YRCHI	10:46:59	0.
173A_100YRCHI	10:48:00	0.
173A_100YRCHI	10:49:01	0.
173A_100YRCHI	10:49:59	0.
173A_100YRCHI	10:51:00	0.
173A_100YRCHI	10:52:01	0.
173A_100YRCHI	10:52:59	0.
173A_100YRCHI	10:54:00	0.
173A_100YRCHI	10:55:01	0.
173A_100YRCHI	10:55:59	0.
173A_100YRCHI	10:57:00	0.
173A_100YRCHI	10:58:01	0.
173A_100YRCHI	10:58:59	0.
173A_100YRCHI	11:00:00	0.
173A_100YRCHI	11:01:01	0.
173A_100YRCHI	11:01:59	0.
173A_100YRCHI	11:03:00	0.
173A_100YRCHI	11:04:01	0.
173A_100YRCHI	11:04:59	0.
173A_100YRCHI	11:06:00	0.
173A_100YRCHI	11:07:01	0.
173A_100YRCHI	11:07:59	0.
173A_100YRCHI	11:09:00	0.
173A_100YRCHI	11:10:01	0.
173A_100YRCHI	11:10:59	0.
173A_100YRCHI	11:12:00	0.
173A_100YRCHI	11:13:01	0.
173A_100YRCHI	11:13:59	0.
173A_100YRCHI	11:15:00	0.
173A_100YRCHI	11:16:01	0.
173A_100YRCHI	11:16:59	0.
173A_100YRCHI	11:18:00	0.
173A_100YRCHI	11:19:01	0.
173A_100YRCHI	11:19:59	0.
173A_100YRCHI	11:21:00	0.
173A_100YRCHI	11:22:01	0.
173A_100YRCHI	11:22:59	0.
173A_100YRCHI	11:24:00	0.
173A_100YRCHI	11:25:01	0.
173A_100YRCHI	11:25:59	0.
173A_100YRCHI	11:27:00	0.
173A_100YRCHI	11:28:01	0.
173A_100YRCHI	11:28:59	0.
173A_100YRCHI	11:30:00	0.
173A_100YRCHI	11:31:01	0.
173A_100YRCHI	11:31:59	0.
173A_100YRCHI	11:33:00	0.
173A_100YRCHI	11:34:01	0.
173A_100YRCHI	11:34:59	0.
173A_100YRCHI	11:36:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	11:37:01	0.
173A_100YRCHI	11:37:59	0.
173A_100YRCHI	11:39:00	0.
173A_100YRCHI	11:40:01	0.
173A_100YRCHI	11:40:59	0.
173A_100YRCHI	11:42:00	0.
173A_100YRCHI	11:43:01	0.
173A_100YRCHI	11:43:59	0.
173A_100YRCHI	11:45:00	0.
173A_100YRCHI	11:46:01	0.
173A_100YRCHI	11:46:59	0.
173A_100YRCHI	11:48:00	0.
173A_100YRCHI	11:49:01	0.
173A_100YRCHI	11:49:59	0.
173A_100YRCHI	11:51:00	0.
173A_100YRCHI	11:52:01	0.
173A_100YRCHI	11:52:59	0.
173A_100YRCHI	11:54:00	0.
173A_100YRCHI	11:55:01	0.
173A_100YRCHI	11:55:59	0.
173A_100YRCHI	11:57:00	0.
173A_100YRCHI	11:58:01	0.
173A_100YRCHI	11:58:59	0.
173A_100YRCHI	12:00:00	0.
173A_100YRCHI	12:01:01	0.
173A_100YRCHI	12:01:59	0.
173A_100YRCHI	12:03:00	0.
173A_100YRCHI	12:04:01	0.
173A_100YRCHI	12:04:59	0.
173A_100YRCHI	12:06:00	0.
173A_100YRCHI	12:07:01	0.
173A_100YRCHI	12:07:59	0.
173A_100YRCHI	12:09:00	0.
173A_100YRCHI	12:10:01	0.
173A_100YRCHI	12:10:59	0.
173A_100YRCHI	12:12:00	0.
173A_100YRCHI	12:13:01	0.
173A_100YRCHI	12:13:59	0.
173A_100YRCHI	12:15:00	0.
173A_100YRCHI	12:16:01	0.
173A_100YRCHI	12:16:59	0.
173A_100YRCHI	12:18:00	0.
173A_100YRCHI	12:19:01	0.
173A_100YRCHI	12:19:59	0.
173A_100YRCHI	12:21:00	0.
173A_100YRCHI	12:22:01	0.
173A_100YRCHI	12:22:59	0.
173A_100YRCHI	12:24:00	0.
173A_100YRCHI	12:25:01	0.
173A_100YRCHI	12:25:59	0.
173A_100YRCHI	12:27:00	0.
173A_100YRCHI	12:28:01	0.
173A_100YRCHI	12:28:59	0.
173A_100YRCHI	12:30:00	0.
173A_100YRCHI	12:31:01	0.
173A_100YRCHI	12:31:59	0.
173A_100YRCHI	12:33:00	0.
173A_100YRCHI	12:34:01	0.
173A_100YRCHI	12:34:59	0.
173A_100YRCHI	12:36:00	0.
173A_100YRCHI	12:37:01	0.
173A_100YRCHI	12:37:59	0.
173A_100YRCHI	12:39:00	0.
173A_100YRCHI	12:40:01	0.
173A_100YRCHI	12:40:59	0.
173A_100YRCHI	12:42:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	12:43:01	0.
173A_100YRCHI	12:43:59	0.
173A_100YRCHI	12:45:00	0.
173A_100YRCHI	12:46:01	0.
173A_100YRCHI	12:46:59	0.
173A_100YRCHI	12:48:00	0.
173A_100YRCHI	12:49:01	0.
173A_100YRCHI	12:49:59	0.
173A_100YRCHI	12:51:00	0.
173A_100YRCHI	12:52:01	0.
173A_100YRCHI	12:52:59	0.
173A_100YRCHI	12:54:00	0.
173A_100YRCHI	12:55:01	0.
173A_100YRCHI	12:55:59	0.
173A_100YRCHI	12:57:00	0.
173A_100YRCHI	12:58:01	0.
173A_100YRCHI	12:58:59	0.
173A_100YRCHI	13:00:00	0.
173A_100YRCHI	13:01:01	0.
173A_100YRCHI	13:01:59	0.
173A_100YRCHI	13:03:00	0.
173A_100YRCHI	13:04:01	0.
173A_100YRCHI	13:04:59	0.
173A_100YRCHI	13:06:00	0.
173A_100YRCHI	13:07:01	0.
173A_100YRCHI	13:07:59	0.
173A_100YRCHI	13:09:00	0.
173A_100YRCHI	13:10:01	0.
173A_100YRCHI	13:10:59	0.
173A_100YRCHI	13:12:00	0.
173A_100YRCHI	13:13:01	0.
173A_100YRCHI	13:13:59	0.
173A_100YRCHI	13:15:00	0.
173A_100YRCHI	13:16:01	0.
173A_100YRCHI	13:16:59	0.
173A_100YRCHI	13:18:00	0.
173A_100YRCHI	13:19:01	0.
173A_100YRCHI	13:19:59	0.
173A_100YRCHI	13:21:00	0.
173A_100YRCHI	13:22:01	0.
173A_100YRCHI	13:22:59	0.
173A_100YRCHI	13:24:00	0.
173A_100YRCHI	13:25:01	0.
173A_100YRCHI	13:25:59	0.
173A_100YRCHI	13:27:00	0.
173A_100YRCHI	13:28:01	0.
173A_100YRCHI	13:28:59	0.
173A_100YRCHI	13:30:00	0.
173A_100YRCHI	13:31:01	0.
173A_100YRCHI	13:31:59	0.
173A_100YRCHI	13:33:00	0.
173A_100YRCHI	13:34:01	0.
173A_100YRCHI	13:34:59	0.
173A_100YRCHI	13:36:00	0.
173A_100YRCHI	13:37:01	0.
173A_100YRCHI	13:37:59	0.
173A_100YRCHI	13:39:00	0.
173A_100YRCHI	13:40:01	0.
173A_100YRCHI	13:40:59	0.
173A_100YRCHI	13:42:00	0.
173A_100YRCHI	13:43:01	0.
173A_100YRCHI	13:43:59	0.
173A_100YRCHI	13:45:00	0.
173A_100YRCHI	13:46:01	0.
173A_100YRCHI	13:46:59	0.
173A_100YRCHI	13:48:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173A_100YRCHI	13:49:01	0.
173A_100YRCHI	13:49:59	0.
173A_100YRCHI	13:51:00	0.
173A_100YRCHI	13:52:01	0.
173A_100YRCHI	13:52:59	0.
173A_100YRCHI	13:54:00	0.
173A_100YRCHI	13:55:01	0.
173A_100YRCHI	13:55:59	0.
173A_100YRCHI	13:57:00	0.
173A_100YRCHI	13:58:01	0.
173A_100YRCHI	13:58:59	0.
173A_100YRCHI	14:00:00	0.
173A_100YRCHI	14:01:01	0.
173A_100YRCHI	14:01:59	0.
173A_100YRCHI	14:03:00	0.
173A_100YRCHI	14:04:01	0.
173A_100YRCHI	14:04:59	0.
173A_100YRCHI	14:06:00	0.
173A_100YRCHI	14:07:01	0.
173A_100YRCHI	14:07:59	0.
173A_100YRCHI	14:09:00	0.
173A_100YRCHI	14:10:01	0.
173A_100YRCHI	14:10:59	0.
173A_100YRCHI	14:12:00	0.
173A_100YRCHI	14:13:01	0.
173A_100YRCHI	14:13:59	0.
173A_100YRCHI	14:15:00	0.
173A_100YRCHI	14:16:01	0.
173A_100YRCHI	14:16:59	0.
173A_100YRCHI	14:18:00	0.
173A_100YRCHI	14:19:01	0.
173B_100YRCHI	0:00:00	0.
173B_100YRCHI	0:01:01	0.
173B_100YRCHI	0:01:59	0.
173B_100YRCHI	0:03:00	0.
173B_100YRCHI	0:04:01	0.
173B_100YRCHI	0:04:59	0.
173B_100YRCHI	0:06:00	0.
173B_100YRCHI	0:07:01	0.
173B_100YRCHI	0:07:59	0.
173B_100YRCHI	0:09:00	0.
173B_100YRCHI	0:10:01	0.
173B_100YRCHI	0:10:59	0.
173B_100YRCHI	0:12:00	0.
173B_100YRCHI	0:13:01	0.
173B_100YRCHI	0:13:59	0.
173B_100YRCHI	0:15:00	0.
173B_100YRCHI	0:16:01	0.
173B_100YRCHI	0:16:59	0.
173B_100YRCHI	0:18:00	0.
173B_100YRCHI	0:19:01	0.
173B_100YRCHI	0:19:59	0.
173B_100YRCHI	0:21:00	0.
173B_100YRCHI	0:22:01	0.
173B_100YRCHI	0:22:59	0.
173B_100YRCHI	0:24:00	.001
173B_100YRCHI	0:25:01	.001
173B_100YRCHI	0:25:59	.001
173B_100YRCHI	0:27:00	.002
173B_100YRCHI	0:28:01	.002
173B_100YRCHI	0:28:59	.002
173B_100YRCHI	0:30:00	.003
173B_100YRCHI	0:31:01	.003
173B_100YRCHI	0:31:59	.004
173B_100YRCHI	0:33:00	.004

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	0:34:01	.005
173B_100YRCHI	0:34:59	.006
173B_100YRCHI	0:36:00	.007
173B_100YRCHI	0:37:01	.008
173B_100YRCHI	0:37:59	.009
173B_100YRCHI	0:39:00	.01
173B_100YRCHI	0:40:01	.012
173B_100YRCHI	0:40:59	.013
173B_100YRCHI	0:42:00	.015
173B_100YRCHI	0:43:01	.018
173B_100YRCHI	0:43:59	.022
173B_100YRCHI	0:45:00	.026
173B_100YRCHI	0:46:01	.031
173B_100YRCHI	0:46:59	.036
173B_100YRCHI	0:48:00	.042
173B_100YRCHI	0:49:01	.049
173B_100YRCHI	0:49:59	.056
173B_100YRCHI	0:51:00	.065
173B_100YRCHI	0:52:01	.082
173B_100YRCHI	0:52:59	.106
173B_100YRCHI	0:54:00	.14
173B_100YRCHI	0:55:01	.183
173B_100YRCHI	0:55:59	.234
173B_100YRCHI	0:57:00	.293
173B_100YRCHI	0:58:01	.358
173B_100YRCHI	0:58:59	.429
173B_100YRCHI	1:00:00	.503
173B_100YRCHI	1:01:01	.575
173B_100YRCHI	1:01:59	.638
173B_100YRCHI	1:03:00	.688
173B_100YRCHI	1:04:01	.725
173B_100YRCHI	1:04:59	.749
173B_100YRCHI	1:06:00	.763
173B_100YRCHI	1:07:01	.767
173B_100YRCHI	1:07:59	.765
173B_100YRCHI	1:09:00	.757
173B_100YRCHI	1:10:01	.744
173B_100YRCHI	1:10:59	.729
173B_100YRCHI	1:12:00	.709
173B_100YRCHI	1:13:01	.686
173B_100YRCHI	1:13:59	.66
173B_100YRCHI	1:15:00	.632
173B_100YRCHI	1:16:01	.603
173B_100YRCHI	1:16:59	.574
173B_100YRCHI	1:18:00	.546
173B_100YRCHI	1:19:01	.518
173B_100YRCHI	1:19:59	.492
173B_100YRCHI	1:21:00	.467
173B_100YRCHI	1:22:01	.443
173B_100YRCHI	1:22:59	.42
173B_100YRCHI	1:24:00	.398
173B_100YRCHI	1:25:01	.377
173B_100YRCHI	1:25:59	.357
173B_100YRCHI	1:27:00	.339
173B_100YRCHI	1:28:01	.321
173B_100YRCHI	1:28:59	.306
173B_100YRCHI	1:30:00	.291
173B_100YRCHI	1:31:01	.278
173B_100YRCHI	1:31:59	.265
173B_100YRCHI	1:33:00	.254
173B_100YRCHI	1:34:01	.243
173B_100YRCHI	1:34:59	.232
173B_100YRCHI	1:36:00	.223
173B_100YRCHI	1:37:01	.214
173B_100YRCHI	1:37:59	.205
173B_100YRCHI	1:39:00	.198

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	1:40:01	.191
173B_100YRCHI	1:40:59	.185
173B_100YRCHI	1:42:00	.179
173B_100YRCHI	1:43:01	.173
173B_100YRCHI	1:43:59	.167
173B_100YRCHI	1:45:00	.162
173B_100YRCHI	1:46:01	.157
173B_100YRCHI	1:46:59	.153
173B_100YRCHI	1:48:00	.148
173B_100YRCHI	1:49:01	.144
173B_100YRCHI	1:49:59	.141
173B_100YRCHI	1:51:00	.137
173B_100YRCHI	1:52:01	.134
173B_100YRCHI	1:52:59	.131
173B_100YRCHI	1:54:00	.128
173B_100YRCHI	1:55:01	.125
173B_100YRCHI	1:55:59	.123
173B_100YRCHI	1:57:00	.12
173B_100YRCHI	1:58:01	.118
173B_100YRCHI	1:58:59	.115
173B_100YRCHI	2:00:00	.113
173B_100YRCHI	2:01:01	.111
173B_100YRCHI	2:01:59	.109
173B_100YRCHI	2:03:00	.107
173B_100YRCHI	2:04:01	.106
173B_100YRCHI	2:04:59	.104
173B_100YRCHI	2:06:00	.102
173B_100YRCHI	2:07:01	.1
173B_100YRCHI	2:07:59	.099
173B_100YRCHI	2:09:00	.097
173B_100YRCHI	2:10:01	.096
173B_100YRCHI	2:10:59	.094
173B_100YRCHI	2:12:00	.093
173B_100YRCHI	2:13:01	.092
173B_100YRCHI	2:13:59	.09
173B_100YRCHI	2:15:00	.089
173B_100YRCHI	2:16:01	.088
173B_100YRCHI	2:16:59	.087
173B_100YRCHI	2:18:00	.085
173B_100YRCHI	2:19:01	.084
173B_100YRCHI	2:19:59	.083
173B_100YRCHI	2:21:00	.082
173B_100YRCHI	2:22:01	.081
173B_100YRCHI	2:22:59	.08
173B_100YRCHI	2:24:00	.079
173B_100YRCHI	2:25:01	.078
173B_100YRCHI	2:25:59	.077
173B_100YRCHI	2:27:00	.076
173B_100YRCHI	2:28:01	.076
173B_100YRCHI	2:28:59	.075
173B_100YRCHI	2:30:00	.074
173B_100YRCHI	2:31:01	.073
173B_100YRCHI	2:31:59	.072
173B_100YRCHI	2:33:00	.072
173B_100YRCHI	2:34:01	.071
173B_100YRCHI	2:34:59	.07
173B_100YRCHI	2:36:00	.069
173B_100YRCHI	2:37:01	.069
173B_100YRCHI	2:37:59	.068
173B_100YRCHI	2:39:00	.067
173B_100YRCHI	2:40:01	.067
173B_100YRCHI	2:40:59	.066
173B_100YRCHI	2:42:00	.066
173B_100YRCHI	2:43:01	.065
173B_100YRCHI	2:43:59	.064
173B_100YRCHI	2:45:00	.064



post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	2:46:01	.063
173B_100YRCHI	2:46:59	.063
173B_100YRCHI	2:48:00	.062
173B_100YRCHI	2:49:01	.061
173B_100YRCHI	2:49:59	.061
173B_100YRCHI	2:51:00	.06
173B_100YRCHI	2:52:01	.06
173B_100YRCHI	2:52:59	.059
173B_100YRCHI	2:54:00	.059
173B_100YRCHI	2:55:01	.058
173B_100YRCHI	2:55:59	.058
173B_100YRCHI	2:57:00	.057
173B_100YRCHI	2:58:01	.057
173B_100YRCHI	2:58:59	.057
173B_100YRCHI	3:00:00	.056
173B_100YRCHI	3:01:01	.056
173B_100YRCHI	3:01:59	.054
173B_100YRCHI	3:03:00	.053
173B_100YRCHI	3:04:01	.051
173B_100YRCHI	3:04:59	.048
173B_100YRCHI	3:06:00	.045
173B_100YRCHI	3:07:01	.042
173B_100YRCHI	3:07:59	.038
173B_100YRCHI	3:09:00	.035
173B_100YRCHI	3:10:01	.032
173B_100YRCHI	3:10:59	.029
173B_100YRCHI	3:12:00	.026
173B_100YRCHI	3:13:01	.023
173B_100YRCHI	3:13:59	.02
173B_100YRCHI	3:15:00	.018
173B_100YRCHI	3:16:01	.016
173B_100YRCHI	3:16:59	.014
173B_100YRCHI	3:18:00	.012
173B_100YRCHI	3:19:01	.01
173B_100YRCHI	3:19:59	.009
173B_100YRCHI	3:21:00	.008
173B_100YRCHI	3:22:01	.007
173B_100YRCHI	3:22:59	.006
173B_100YRCHI	3:24:00	.005
173B_100YRCHI	3:25:01	.004
173B_100YRCHI	3:25:59	.004
173B_100YRCHI	3:27:00	.003
173B_100YRCHI	3:28:01	.003
173B_100YRCHI	3:28:59	.002
173B_100YRCHI	3:30:00	.002
173B_100YRCHI	3:31:01	.002
173B_100YRCHI	3:31:59	.001
173B_100YRCHI	3:33:00	.001
173B_100YRCHI	3:34:01	.001
173B_100YRCHI	3:34:59	.001
173B_100YRCHI	3:36:00	.001
173B_100YRCHI	3:37:01	.001
173B_100YRCHI	3:37:59	0.
173B_100YRCHI	3:39:00	0.
173B_100YRCHI	3:40:01	0.
173B_100YRCHI	3:40:59	0.
173B_100YRCHI	3:42:00	0.
173B_100YRCHI	3:43:01	0.
173B_100YRCHI	3:43:59	0.
173B_100YRCHI	3:45:00	0.
173B_100YRCHI	3:46:01	0.
173B_100YRCHI	3:46:59	0.
173B_100YRCHI	3:48:00	0.
173B_100YRCHI	3:49:01	0.
173B_100YRCHI	3:49:59	0.
173B_100YRCHI	3:51:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	3:52:01	0.
173B_100YRCHI	3:52:59	0.
173B_100YRCHI	3:54:00	0.
173B_100YRCHI	3:55:01	0.
173B_100YRCHI	3:55:59	0.
173B_100YRCHI	3:57:00	0.
173B_100YRCHI	3:58:01	0.
173B_100YRCHI	3:58:59	0.
173B_100YRCHI	4:00:00	0.
173B_100YRCHI	4:01:01	0.
173B_100YRCHI	4:01:59	0.
173B_100YRCHI	4:03:00	0.
173B_100YRCHI	4:04:01	0.
173B_100YRCHI	4:04:59	0.
173B_100YRCHI	4:06:00	0.
173B_100YRCHI	4:07:01	0.
173B_100YRCHI	4:07:59	0.
173B_100YRCHI	4:09:00	0.
173B_100YRCHI	4:10:01	0.
173B_100YRCHI	4:10:59	0.
173B_100YRCHI	4:12:00	0.
173B_100YRCHI	4:13:01	0.
173B_100YRCHI	4:13:59	0.
173B_100YRCHI	4:15:00	0.
173B_100YRCHI	4:16:01	0.
173B_100YRCHI	4:16:59	0.
173B_100YRCHI	4:18:00	0.
173B_100YRCHI	4:19:01	0.
173B_100YRCHI	4:19:59	0.
173B_100YRCHI	4:21:00	0.
173B_100YRCHI	4:22:01	0.
173B_100YRCHI	4:22:59	0.
173B_100YRCHI	4:24:00	0.
173B_100YRCHI	4:25:01	0.
173B_100YRCHI	4:25:59	0.
173B_100YRCHI	4:27:00	0.
173B_100YRCHI	4:28:01	0.
173B_100YRCHI	4:28:59	0.
173B_100YRCHI	4:30:00	0.
173B_100YRCHI	4:31:01	0.
173B_100YRCHI	4:31:59	0.
173B_100YRCHI	4:33:00	0.
173B_100YRCHI	4:34:01	0.
173B_100YRCHI	4:34:59	0.
173B_100YRCHI	4:36:00	0.
173B_100YRCHI	4:37:01	0.
173B_100YRCHI	4:37:59	0.
173B_100YRCHI	4:39:00	0.
173B_100YRCHI	4:40:01	0.
173B_100YRCHI	4:40:59	0.
173B_100YRCHI	4:42:00	0.
173B_100YRCHI	4:43:01	0.
173B_100YRCHI	4:43:59	0.
173B_100YRCHI	4:45:00	0.
173B_100YRCHI	4:46:01	0.
173B_100YRCHI	4:46:59	0.
173B_100YRCHI	4:48:00	0.
173B_100YRCHI	4:49:01	0.
173B_100YRCHI	4:49:59	0.
173B_100YRCHI	4:51:00	0.
173B_100YRCHI	4:52:01	0.
173B_100YRCHI	4:52:59	0.
173B_100YRCHI	4:54:00	0.
173B_100YRCHI	4:55:01	0.
173B_100YRCHI	4:55:59	0.
173B_100YRCHI	4:57:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	4:58:01	0.
173B_100YRCHI	4:58:59	0.
173B_100YRCHI	5:00:00	0.
173B_100YRCHI	5:01:01	0.
173B_100YRCHI	5:01:59	0.
173B_100YRCHI	5:03:00	0.
173B_100YRCHI	5:04:01	0.
173B_100YRCHI	5:04:59	0.
173B_100YRCHI	5:06:00	0.
173B_100YRCHI	5:07:01	0.
173B_100YRCHI	5:07:59	0.
173B_100YRCHI	5:09:00	0.
173B_100YRCHI	5:10:01	0.
173B_100YRCHI	5:10:59	0.
173B_100YRCHI	5:12:00	0.
173B_100YRCHI	5:13:01	0.
173B_100YRCHI	5:13:59	0.
173B_100YRCHI	5:15:00	0.
173B_100YRCHI	5:16:01	0.
173B_100YRCHI	5:16:59	0.
173B_100YRCHI	5:18:00	0.
173B_100YRCHI	5:19:01	0.
173B_100YRCHI	5:19:59	0.
173B_100YRCHI	5:21:00	0.
173B_100YRCHI	5:22:01	0.
173B_100YRCHI	5:22:59	0.
173B_100YRCHI	5:24:00	0.
173B_100YRCHI	5:25:01	0.
173B_100YRCHI	5:25:59	0.
173B_100YRCHI	5:27:00	0.
173B_100YRCHI	5:28:01	0.
173B_100YRCHI	5:28:59	0.
173B_100YRCHI	5:30:00	0.
173B_100YRCHI	5:31:01	0.
173B_100YRCHI	5:31:59	0.
173B_100YRCHI	5:33:00	0.
173B_100YRCHI	5:34:01	0.
173B_100YRCHI	5:34:59	0.
173B_100YRCHI	5:36:00	0.
173B_100YRCHI	5:37:01	0.
173B_100YRCHI	5:37:59	0.
173B_100YRCHI	5:39:00	0.
173B_100YRCHI	5:40:01	0.
173B_100YRCHI	5:40:59	0.
173B_100YRCHI	5:42:00	0.
173B_100YRCHI	5:43:01	0.
173B_100YRCHI	5:43:59	0.
173B_100YRCHI	5:45:00	0.
173B_100YRCHI	5:46:01	0.
173B_100YRCHI	5:46:59	0.
173B_100YRCHI	5:48:00	0.
173B_100YRCHI	5:49:01	0.
173B_100YRCHI	5:49:59	0.
173B_100YRCHI	5:51:00	0.
173B_100YRCHI	5:52:01	0.
173B_100YRCHI	5:52:59	0.
173B_100YRCHI	5:54:00	0.
173B_100YRCHI	5:55:01	0.
173B_100YRCHI	5:55:59	0.
173B_100YRCHI	5:57:00	0.
173B_100YRCHI	5:58:01	0.
173B_100YRCHI	5:58:59	0.
173B_100YRCHI	6:00:00	0.
173B_100YRCHI	6:01:01	0.
173B_100YRCHI	6:01:59	0.
173B_100YRCHI	6:03:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	6:04:01	0.
173B_100YRCHI	6:04:59	0.
173B_100YRCHI	6:06:00	0.
173B_100YRCHI	6:07:01	0.
173B_100YRCHI	6:07:59	0.
173B_100YRCHI	6:09:00	0.
173B_100YRCHI	6:10:01	0.
173B_100YRCHI	6:10:59	0.
173B_100YRCHI	6:12:00	0.
173B_100YRCHI	6:13:01	0.
173B_100YRCHI	6:13:59	0.
173B_100YRCHI	6:15:00	0.
173B_100YRCHI	6:16:01	0.
173B_100YRCHI	6:16:59	0.
173B_100YRCHI	6:18:00	0.
173B_100YRCHI	6:19:01	0.
173B_100YRCHI	6:19:59	0.
173B_100YRCHI	6:21:00	0.
173B_100YRCHI	6:22:01	0.
173B_100YRCHI	6:22:59	0.
173B_100YRCHI	6:24:00	0.
173B_100YRCHI	6:25:01	0.
173B_100YRCHI	6:25:59	0.
173B_100YRCHI	6:27:00	0.
173B_100YRCHI	6:28:01	0.
173B_100YRCHI	6:28:59	0.
173B_100YRCHI	6:30:00	0.
173B_100YRCHI	6:31:01	0.
173B_100YRCHI	6:31:59	0.
173B_100YRCHI	6:33:00	0.
173B_100YRCHI	6:34:01	0.
173B_100YRCHI	6:34:59	0.
173B_100YRCHI	6:36:00	0.
173B_100YRCHI	6:37:01	0.
173B_100YRCHI	6:37:59	0.
173B_100YRCHI	6:39:00	0.
173B_100YRCHI	6:40:01	0.
173B_100YRCHI	6:40:59	0.
173B_100YRCHI	6:42:00	0.
173B_100YRCHI	6:43:01	0.
173B_100YRCHI	6:43:59	0.
173B_100YRCHI	6:45:00	0.
173B_100YRCHI	6:46:01	0.
173B_100YRCHI	6:46:59	0.
173B_100YRCHI	6:48:00	0.
173B_100YRCHI	6:49:01	0.
173B_100YRCHI	6:49:59	0.
173B_100YRCHI	6:51:00	0.
173B_100YRCHI	6:52:01	0.
173B_100YRCHI	6:52:59	0.
173B_100YRCHI	6:54:00	0.
173B_100YRCHI	6:55:01	0.
173B_100YRCHI	6:55:59	0.
173B_100YRCHI	6:57:00	0.
173B_100YRCHI	6:58:01	0.
173B_100YRCHI	6:58:59	0.
173B_100YRCHI	7:00:00	0.
173B_100YRCHI	7:01:01	0.
173B_100YRCHI	7:01:59	0.
173B_100YRCHI	7:03:00	0.
173B_100YRCHI	7:04:01	0.
173B_100YRCHI	7:04:59	0.
173B_100YRCHI	7:06:00	0.
173B_100YRCHI	7:07:01	0.
173B_100YRCHI	7:07:59	0.
173B_100YRCHI	7:09:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	7:10:01	0.
173B_100YRCHI	7:10:59	0.
173B_100YRCHI	7:12:00	0.
173B_100YRCHI	7:13:01	0.
173B_100YRCHI	7:13:59	0.
173B_100YRCHI	7:15:00	0.
173B_100YRCHI	7:16:01	0.
173B_100YRCHI	7:16:59	0.
173B_100YRCHI	7:18:00	0.
173B_100YRCHI	7:19:01	0.
173B_100YRCHI	7:19:59	0.
173B_100YRCHI	7:21:00	0.
173B_100YRCHI	7:22:01	0.
173B_100YRCHI	7:22:59	0.
173B_100YRCHI	7:24:00	0.
173B_100YRCHI	7:25:01	0.
173B_100YRCHI	7:25:59	0.
173B_100YRCHI	7:27:00	0.
173B_100YRCHI	7:28:01	0.
173B_100YRCHI	7:28:59	0.
173B_100YRCHI	7:30:00	0.
173B_100YRCHI	7:31:01	0.
173B_100YRCHI	7:31:59	0.
173B_100YRCHI	7:33:00	0.
173B_100YRCHI	7:34:01	0.
173B_100YRCHI	7:34:59	0.
173B_100YRCHI	7:36:00	0.
173B_100YRCHI	7:37:01	0.
173B_100YRCHI	7:37:59	0.
173B_100YRCHI	7:39:00	0.
173B_100YRCHI	7:40:01	0.
173B_100YRCHI	7:40:59	0.
173B_100YRCHI	7:42:00	0.
173B_100YRCHI	7:43:01	0.
173B_100YRCHI	7:43:59	0.
173B_100YRCHI	7:45:00	0.
173B_100YRCHI	7:46:01	0.
173B_100YRCHI	7:46:59	0.
173B_100YRCHI	7:48:00	0.
173B_100YRCHI	7:49:01	0.
173B_100YRCHI	7:49:59	0.
173B_100YRCHI	7:51:00	0.
173B_100YRCHI	7:52:01	0.
173B_100YRCHI	7:52:59	0.
173B_100YRCHI	7:54:00	0.
173B_100YRCHI	7:55:01	0.
173B_100YRCHI	7:55:59	0.
173B_100YRCHI	7:57:00	0.
173B_100YRCHI	7:58:01	0.
173B_100YRCHI	7:58:59	0.
173B_100YRCHI	8:00:00	0.
173B_100YRCHI	8:01:01	0.
173B_100YRCHI	8:01:59	0.
173B_100YRCHI	8:03:00	0.
173B_100YRCHI	8:04:01	0.
173B_100YRCHI	8:04:59	0.
173B_100YRCHI	8:06:00	0.
173B_100YRCHI	8:07:01	0.
173B_100YRCHI	8:07:59	0.
173B_100YRCHI	8:09:00	0.
173B_100YRCHI	8:10:01	0.
173B_100YRCHI	8:10:59	0.
173B_100YRCHI	8:12:00	0.
173B_100YRCHI	8:13:01	0.
173B_100YRCHI	8:13:59	0.
173B_100YRCHI	8:15:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	8:16:01	0.
173B_100YRCHI	8:16:59	0.
173B_100YRCHI	8:18:00	0.
173B_100YRCHI	8:19:01	0.
173B_100YRCHI	8:19:59	0.
173B_100YRCHI	8:21:00	0.
173B_100YRCHI	8:22:01	0.
173B_100YRCHI	8:22:59	0.
173B_100YRCHI	8:24:00	0.
173B_100YRCHI	8:25:01	0.
173B_100YRCHI	8:25:59	0.
173B_100YRCHI	8:27:00	0.
173B_100YRCHI	8:28:01	0.
173B_100YRCHI	8:28:59	0.
173B_100YRCHI	8:30:00	0.
173B_100YRCHI	8:31:01	0.
173B_100YRCHI	8:31:59	0.
173B_100YRCHI	8:33:00	0.
173B_100YRCHI	8:34:01	0.
173B_100YRCHI	8:34:59	0.
173B_100YRCHI	8:36:00	0.
173B_100YRCHI	8:37:01	0.
173B_100YRCHI	8:37:59	0.
173B_100YRCHI	8:39:00	0.
173B_100YRCHI	8:40:01	0.
173B_100YRCHI	8:40:59	0.
173B_100YRCHI	8:42:00	0.
173B_100YRCHI	8:43:01	0.
173B_100YRCHI	8:43:59	0.
173B_100YRCHI	8:45:00	0.
173B_100YRCHI	8:46:01	0.
173B_100YRCHI	8:46:59	0.
173B_100YRCHI	8:48:00	0.
173B_100YRCHI	8:49:01	0.
173B_100YRCHI	8:49:59	0.
173B_100YRCHI	8:51:00	0.
173B_100YRCHI	8:52:01	0.
173B_100YRCHI	8:52:59	0.
173B_100YRCHI	8:54:00	0.
173B_100YRCHI	8:55:01	0.
173B_100YRCHI	8:55:59	0.
173B_100YRCHI	8:57:00	0.
173B_100YRCHI	8:58:01	0.
173B_100YRCHI	8:58:59	0.
173B_100YRCHI	9:00:00	0.
173B_100YRCHI	9:01:01	0.
173B_100YRCHI	9:01:59	0.
173B_100YRCHI	9:03:00	0.
173B_100YRCHI	9:04:01	0.
173B_100YRCHI	9:04:59	0.
173B_100YRCHI	9:06:00	0.
173B_100YRCHI	9:07:01	0.
173B_100YRCHI	9:07:59	0.
173B_100YRCHI	9:09:00	0.
173B_100YRCHI	9:10:01	0.
173B_100YRCHI	9:10:59	0.
173B_100YRCHI	9:12:00	0.
173B_100YRCHI	9:13:01	0.
173B_100YRCHI	9:13:59	0.
173B_100YRCHI	9:15:00	0.
173B_100YRCHI	9:16:01	0.
173B_100YRCHI	9:16:59	0.
173B_100YRCHI	9:18:00	0.
173B_100YRCHI	9:19:01	0.
173B_100YRCHI	9:19:59	0.
173B_100YRCHI	9:21:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	9:22:01	0.
173B_100YRCHI	9:22:59	0.
173B_100YRCHI	9:24:00	0.
173B_100YRCHI	9:25:01	0.
173B_100YRCHI	9:25:59	0.
173B_100YRCHI	9:27:00	0.
173B_100YRCHI	9:28:01	0.
173B_100YRCHI	9:28:59	0.
173B_100YRCHI	9:30:00	0.
173B_100YRCHI	9:31:01	0.
173B_100YRCHI	9:31:59	0.
173B_100YRCHI	9:33:00	0.
173B_100YRCHI	9:34:01	0.
173B_100YRCHI	9:34:59	0.
173B_100YRCHI	9:36:00	0.
173B_100YRCHI	9:37:01	0.
173B_100YRCHI	9:37:59	0.
173B_100YRCHI	9:39:00	0.
173B_100YRCHI	9:40:01	0.
173B_100YRCHI	9:40:59	0.
173B_100YRCHI	9:42:00	0.
173B_100YRCHI	9:43:01	0.
173B_100YRCHI	9:43:59	0.
173B_100YRCHI	9:45:00	0.
173B_100YRCHI	9:46:01	0.
173B_100YRCHI	9:46:59	0.
173B_100YRCHI	9:48:00	0.
173B_100YRCHI	9:49:01	0.
173B_100YRCHI	9:49:59	0.
173B_100YRCHI	9:51:00	0.
173B_100YRCHI	9:52:01	0.
173B_100YRCHI	9:52:59	0.
173B_100YRCHI	9:54:00	0.
173B_100YRCHI	9:55:01	0.
173B_100YRCHI	9:55:59	0.
173B_100YRCHI	9:57:00	0.
173B_100YRCHI	9:58:01	0.
173B_100YRCHI	9:58:59	0.
173B_100YRCHI	10:00:00	0.
173B_100YRCHI	10:01:01	0.
173B_100YRCHI	10:01:59	0.
173B_100YRCHI	10:03:00	0.
173B_100YRCHI	10:04:01	0.
173B_100YRCHI	10:04:59	0.
173B_100YRCHI	10:06:00	0.
173B_100YRCHI	10:07:01	0.
173B_100YRCHI	10:07:59	0.
173B_100YRCHI	10:09:00	0.
173B_100YRCHI	10:10:01	0.
173B_100YRCHI	10:10:59	0.
173B_100YRCHI	10:12:00	0.
173B_100YRCHI	10:13:01	0.
173B_100YRCHI	10:13:59	0.
173B_100YRCHI	10:15:00	0.
173B_100YRCHI	10:16:01	0.
173B_100YRCHI	10:16:59	0.
173B_100YRCHI	10:18:00	0.
173B_100YRCHI	10:19:01	0.
173B_100YRCHI	10:19:59	0.
173B_100YRCHI	10:21:00	0.
173B_100YRCHI	10:22:01	0.
173B_100YRCHI	10:22:59	0.
173B_100YRCHI	10:24:00	0.
173B_100YRCHI	10:25:01	0.
173B_100YRCHI	10:25:59	0.
173B_100YRCHI	10:27:00	0.



post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	10:28:01	0.
173B_100YRCHI	10:28:59	0.
173B_100YRCHI	10:30:00	0.
173B_100YRCHI	10:31:01	0.
173B_100YRCHI	10:31:59	0.
173B_100YRCHI	10:33:00	0.
173B_100YRCHI	10:34:01	0.
173B_100YRCHI	10:34:59	0.
173B_100YRCHI	10:36:00	0.
173B_100YRCHI	10:37:01	0.
173B_100YRCHI	10:37:59	0.
173B_100YRCHI	10:39:00	0.
173B_100YRCHI	10:40:01	0.
173B_100YRCHI	10:40:59	0.
173B_100YRCHI	10:42:00	0.
173B_100YRCHI	10:43:01	0.
173B_100YRCHI	10:43:59	0.
173B_100YRCHI	10:45:00	0.
173B_100YRCHI	10:46:01	0.
173B_100YRCHI	10:46:59	0.
173B_100YRCHI	10:48:00	0.
173B_100YRCHI	10:49:01	0.
173B_100YRCHI	10:49:59	0.
173B_100YRCHI	10:51:00	0.
173B_100YRCHI	10:52:01	0.
173B_100YRCHI	10:52:59	0.
173B_100YRCHI	10:54:00	0.
173B_100YRCHI	10:55:01	0.
173B_100YRCHI	10:55:59	0.
173B_100YRCHI	10:57:00	0.
173B_100YRCHI	10:58:01	0.
173B_100YRCHI	10:58:59	0.
173B_100YRCHI	11:00:00	0.
173B_100YRCHI	11:01:01	0.
173B_100YRCHI	11:01:59	0.
173B_100YRCHI	11:03:00	0.
173B_100YRCHI	11:04:01	0.
173B_100YRCHI	11:04:59	0.
173B_100YRCHI	11:06:00	0.
173B_100YRCHI	11:07:01	0.
173B_100YRCHI	11:07:59	0.
173B_100YRCHI	11:09:00	0.
173B_100YRCHI	11:10:01	0.
173B_100YRCHI	11:10:59	0.
173B_100YRCHI	11:12:00	0.
173B_100YRCHI	11:13:01	0.
173B_100YRCHI	11:13:59	0.
173B_100YRCHI	11:15:00	0.
173B_100YRCHI	11:16:01	0.
173B_100YRCHI	11:16:59	0.
173B_100YRCHI	11:18:00	0.
173B_100YRCHI	11:19:01	0.
173B_100YRCHI	11:19:59	0.
173B_100YRCHI	11:21:00	0.
173B_100YRCHI	11:22:01	0.
173B_100YRCHI	11:22:59	0.
173B_100YRCHI	11:24:00	0.
173B_100YRCHI	11:25:01	0.
173B_100YRCHI	11:25:59	0.
173B_100YRCHI	11:27:00	0.
173B_100YRCHI	11:28:01	0.
173B_100YRCHI	11:28:59	0.
173B_100YRCHI	11:30:00	0.
173B_100YRCHI	11:31:01	0.
173B_100YRCHI	11:31:59	0.
173B_100YRCHI	11:33:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	11:34:01	0.
173B_100YRCHI	11:34:59	0.
173B_100YRCHI	11:36:00	0.
173B_100YRCHI	11:37:01	0.
173B_100YRCHI	11:37:59	0.
173B_100YRCHI	11:39:00	0.
173B_100YRCHI	11:40:01	0.
173B_100YRCHI	11:40:59	0.
173B_100YRCHI	11:42:00	0.
173B_100YRCHI	11:43:01	0.
173B_100YRCHI	11:43:59	0.
173B_100YRCHI	11:45:00	0.
173B_100YRCHI	11:46:01	0.
173B_100YRCHI	11:46:59	0.
173B_100YRCHI	11:48:00	0.
173B_100YRCHI	11:49:01	0.
173B_100YRCHI	11:49:59	0.
173B_100YRCHI	11:51:00	0.
173B_100YRCHI	11:52:01	0.
173B_100YRCHI	11:52:59	0.
173B_100YRCHI	11:54:00	0.
173B_100YRCHI	11:55:01	0.
173B_100YRCHI	11:55:59	0.
173B_100YRCHI	11:57:00	0.
173B_100YRCHI	11:58:01	0.
173B_100YRCHI	11:58:59	0.
173B_100YRCHI	12:00:00	0.
173B_100YRCHI	12:01:01	0.
173B_100YRCHI	12:01:59	0.
173B_100YRCHI	12:03:00	0.
173B_100YRCHI	12:04:01	0.
173B_100YRCHI	12:04:59	0.
173B_100YRCHI	12:06:00	0.
173B_100YRCHI	12:07:01	0.
173B_100YRCHI	12:07:59	0.
173B_100YRCHI	12:09:00	0.
173B_100YRCHI	12:10:01	0.
173B_100YRCHI	12:10:59	0.
173B_100YRCHI	12:12:00	0.
173B_100YRCHI	12:13:01	0.
173B_100YRCHI	12:13:59	0.
173B_100YRCHI	12:15:00	0.
173B_100YRCHI	12:16:01	0.
173B_100YRCHI	12:16:59	0.
173B_100YRCHI	12:18:00	0.
173B_100YRCHI	12:19:01	0.
173B_100YRCHI	12:19:59	0.
173B_100YRCHI	12:21:00	0.
173B_100YRCHI	12:22:01	0.
173B_100YRCHI	12:22:59	0.
173B_100YRCHI	12:24:00	0.
173B_100YRCHI	12:25:01	0.
173B_100YRCHI	12:25:59	0.
173B_100YRCHI	12:27:00	0.
173B_100YRCHI	12:28:01	0.
173B_100YRCHI	12:28:59	0.
173B_100YRCHI	12:30:00	0.
173B_100YRCHI	12:31:01	0.
173B_100YRCHI	12:31:59	0.
173B_100YRCHI	12:33:00	0.
173B_100YRCHI	12:34:01	0.
173B_100YRCHI	12:34:59	0.
173B_100YRCHI	12:36:00	0.
173B_100YRCHI	12:37:01	0.
173B_100YRCHI	12:37:59	0.
173B_100YRCHI	12:39:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	12:40:01	0.
173B_100YRCHI	12:40:59	0.
173B_100YRCHI	12:42:00	0.
173B_100YRCHI	12:43:01	0.
173B_100YRCHI	12:43:59	0.
173B_100YRCHI	12:45:00	0.
173B_100YRCHI	12:46:01	0.
173B_100YRCHI	12:46:59	0.
173B_100YRCHI	12:48:00	0.
173B_100YRCHI	12:49:01	0.
173B_100YRCHI	12:49:59	0.
173B_100YRCHI	12:51:00	0.
173B_100YRCHI	12:52:01	0.
173B_100YRCHI	12:52:59	0.
173B_100YRCHI	12:54:00	0.
173B_100YRCHI	12:55:01	0.
173B_100YRCHI	12:55:59	0.
173B_100YRCHI	12:57:00	0.
173B_100YRCHI	12:58:01	0.
173B_100YRCHI	12:58:59	0.
173B_100YRCHI	13:00:00	0.
173B_100YRCHI	13:01:01	0.
173B_100YRCHI	13:01:59	0.
173B_100YRCHI	13:03:00	0.
173B_100YRCHI	13:04:01	0.
173B_100YRCHI	13:04:59	0.
173B_100YRCHI	13:06:00	0.
173B_100YRCHI	13:07:01	0.
173B_100YRCHI	13:07:59	0.
173B_100YRCHI	13:09:00	0.
173B_100YRCHI	13:10:01	0.
173B_100YRCHI	13:10:59	0.
173B_100YRCHI	13:12:00	0.
173B_100YRCHI	13:13:01	0.
173B_100YRCHI	13:13:59	0.
173B_100YRCHI	13:15:00	0.
173B_100YRCHI	13:16:01	0.
173B_100YRCHI	13:16:59	0.
173B_100YRCHI	13:18:00	0.
173B_100YRCHI	13:19:01	0.
173B_100YRCHI	13:19:59	0.
173B_100YRCHI	13:21:00	0.
173B_100YRCHI	13:22:01	0.
173B_100YRCHI	13:22:59	0.
173B_100YRCHI	13:24:00	0.
173B_100YRCHI	13:25:01	0.
173B_100YRCHI	13:25:59	0.
173B_100YRCHI	13:27:00	0.
173B_100YRCHI	13:28:01	0.
173B_100YRCHI	13:28:59	0.
173B_100YRCHI	13:30:00	0.
173B_100YRCHI	13:31:01	0.
173B_100YRCHI	13:31:59	0.
173B_100YRCHI	13:33:00	0.
173B_100YRCHI	13:34:01	0.
173B_100YRCHI	13:34:59	0.
173B_100YRCHI	13:36:00	0.
173B_100YRCHI	13:37:01	0.
173B_100YRCHI	13:37:59	0.
173B_100YRCHI	13:39:00	0.
173B_100YRCHI	13:40:01	0.
173B_100YRCHI	13:40:59	0.
173B_100YRCHI	13:42:00	0.
173B_100YRCHI	13:43:01	0.
173B_100YRCHI	13:43:59	0.
173B_100YRCHI	13:45:00	0.

post\_pond2\_2017-06-09\_100chi.inp

173B_100YRCHI	13:46:01	0.
173B_100YRCHI	13:46:59	0.
173B_100YRCHI	13:48:00	0.
173B_100YRCHI	13:49:01	0.
173B_100YRCHI	13:49:59	0.
173B_100YRCHI	13:51:00	0.
173B_100YRCHI	13:52:01	0.
173B_100YRCHI	13:52:59	0.
173B_100YRCHI	13:54:00	0.
173B_100YRCHI	13:55:01	0.
173B_100YRCHI	13:55:59	0.
173B_100YRCHI	13:57:00	0.
173B_100YRCHI	13:58:01	0.
173B_100YRCHI	13:58:59	0.
173B_100YRCHI	14:00:00	0.
173B_100YRCHI	14:01:01	0.
173B_100YRCHI	14:01:59	0.
173B_100YRCHI	14:03:00	0.
173B_100YRCHI	14:04:01	0.
173B_100YRCHI	14:04:59	0.
173B_100YRCHI	14:06:00	0.
173B_100YRCHI	14:07:01	0.
173B_100YRCHI	14:07:59	0.
173B_100YRCHI	14:09:00	0.
173B_100YRCHI	14:10:01	0.
173B_100YRCHI	14:10:59	0.
173B_100YRCHI	14:12:00	0.
173B_100YRCHI	14:13:01	0.
173B_100YRCHI	14:13:59	0.
173B_100YRCHI	14:15:00	0.
173B_100YRCHI	14:16:01	0.
173B_100YRCHI	14:16:59	0.
173B_100YRCHI	14:18:00	0.
173B_100YRCHI	14:19:01	0.
174_100YRCHI	0:00:00	0.
174_100YRCHI	0:01:01	0.
174_100YRCHI	0:01:59	0.
174_100YRCHI	0:03:00	0.
174_100YRCHI	0:04:01	0.
174_100YRCHI	0:04:59	0.
174_100YRCHI	0:06:00	0.
174_100YRCHI	0:07:01	0.
174_100YRCHI	0:07:59	0.
174_100YRCHI	0:09:00	0.
174_100YRCHI	0:10:01	.001
174_100YRCHI	0:10:59	.002
174_100YRCHI	0:12:00	.003
174_100YRCHI	0:13:01	.003
174_100YRCHI	0:13:59	.003
174_100YRCHI	0:15:00	.003
174_100YRCHI	0:16:01	.003
174_100YRCHI	0:16:59	.004
174_100YRCHI	0:18:00	.004
174_100YRCHI	0:19:01	.004
174_100YRCHI	0:19:59	.004
174_100YRCHI	0:21:00	.004
174_100YRCHI	0:22:01	.004
174_100YRCHI	0:22:59	.005
174_100YRCHI	0:24:00	.005
174_100YRCHI	0:25:01	.005
174_100YRCHI	0:25:59	.005
174_100YRCHI	0:27:00	.005
174_100YRCHI	0:28:01	.005
174_100YRCHI	0:28:59	.005
174_100YRCHI	0:30:00	.005

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	0:31:01	.005
174_100YRCHI	0:31:59	.006
174_100YRCHI	0:33:00	.007
174_100YRCHI	0:34:01	.007
174_100YRCHI	0:34:59	.007
174_100YRCHI	0:36:00	.008
174_100YRCHI	0:37:01	.008
174_100YRCHI	0:37:59	.008
174_100YRCHI	0:39:00	.008
174_100YRCHI	0:40:01	.008
174_100YRCHI	0:40:59	.01
174_100YRCHI	0:42:00	.013
174_100YRCHI	0:43:01	.016
174_100YRCHI	0:43:59	.017
174_100YRCHI	0:45:00	.018
174_100YRCHI	0:46:01	.019
174_100YRCHI	0:46:59	.019
174_100YRCHI	0:48:00	.019
174_100YRCHI	0:49:01	.02
174_100YRCHI	0:49:59	.02
174_100YRCHI	0:51:00	.03
174_100YRCHI	0:52:01	.052
174_100YRCHI	0:52:59	.058
174_100YRCHI	0:54:00	.059
174_100YRCHI	0:55:01	.059
174_100YRCHI	0:55:59	.06
174_100YRCHI	0:57:00	.06
174_100YRCHI	0:58:01	.061
174_100YRCHI	0:58:59	.471
174_100YRCHI	1:00:00	.558
174_100YRCHI	1:01:01	.587
174_100YRCHI	1:01:59	.543
174_100YRCHI	1:03:00	.458
174_100YRCHI	1:04:01	.363
174_100YRCHI	1:04:59	.276
174_100YRCHI	1:06:00	.217
174_100YRCHI	1:07:01	.176
174_100YRCHI	1:07:59	.14
174_100YRCHI	1:09:00	.113
174_100YRCHI	1:10:01	.095
174_100YRCHI	1:10:59	.08
174_100YRCHI	1:12:00	.061
174_100YRCHI	1:13:01	.061
174_100YRCHI	1:13:59	.061
174_100YRCHI	1:15:00	.061
174_100YRCHI	1:16:01	.061
174_100YRCHI	1:16:59	.061
174_100YRCHI	1:18:00	.061
174_100YRCHI	1:19:01	.061
174_100YRCHI	1:19:59	.061
174_100YRCHI	1:21:00	.061
174_100YRCHI	1:22:01	.06
174_100YRCHI	1:22:59	.06
174_100YRCHI	1:24:00	.06
174_100YRCHI	1:25:01	.06
174_100YRCHI	1:25:59	.06
174_100YRCHI	1:27:00	.06
174_100YRCHI	1:28:01	.06
174_100YRCHI	1:28:59	.059
174_100YRCHI	1:30:00	.059
174_100YRCHI	1:31:01	.059
174_100YRCHI	1:31:59	.059
174_100YRCHI	1:33:00	.059
174_100YRCHI	1:34:01	.059
174_100YRCHI	1:34:59	.059
174_100YRCHI	1:36:00	.058

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	1:37:01	.058
174_100YRCHI	1:37:59	0.
174_100YRCHI	1:39:00	.015
174_100YRCHI	1:40:01	.001
174_100YRCHI	1:40:59	.013
174_100YRCHI	1:42:00	.002
174_100YRCHI	1:43:01	.011
174_100YRCHI	1:43:59	.002
174_100YRCHI	1:45:00	.009
174_100YRCHI	1:46:01	.003
174_100YRCHI	1:46:59	.009
174_100YRCHI	1:48:00	.003
174_100YRCHI	1:49:01	.008
174_100YRCHI	1:49:59	.004
174_100YRCHI	1:51:00	.007
174_100YRCHI	1:52:01	.004
174_100YRCHI	1:52:59	.006
174_100YRCHI	1:54:00	.004
174_100YRCHI	1:55:01	.006
174_100YRCHI	1:55:59	.004
174_100YRCHI	1:57:00	.006
174_100YRCHI	1:58:01	.004
174_100YRCHI	1:58:59	.005
174_100YRCHI	2:00:00	.004
174_100YRCHI	2:01:01	.005
174_100YRCHI	2:01:59	.004
174_100YRCHI	2:03:00	.005
174_100YRCHI	2:04:01	.004
174_100YRCHI	2:04:59	.004
174_100YRCHI	2:06:00	.004
174_100YRCHI	2:07:01	.004
174_100YRCHI	2:07:59	.004
174_100YRCHI	2:09:00	.004
174_100YRCHI	2:10:01	.004
174_100YRCHI	2:10:59	.004
174_100YRCHI	2:12:00	.004
174_100YRCHI	2:13:01	.004
174_100YRCHI	2:13:59	.003
174_100YRCHI	2:15:00	.004
174_100YRCHI	2:16:01	.003
174_100YRCHI	2:16:59	.004
174_100YRCHI	2:18:00	.003
174_100YRCHI	2:19:01	.004
174_100YRCHI	2:19:59	.003
174_100YRCHI	2:21:00	.003
174_100YRCHI	2:22:01	.003
174_100YRCHI	2:22:59	.003
174_100YRCHI	2:24:00	.003
174_100YRCHI	2:25:01	.003
174_100YRCHI	2:25:59	.003
174_100YRCHI	2:27:00	.003
174_100YRCHI	2:28:01	.003
174_100YRCHI	2:28:59	.003
174_100YRCHI	2:30:00	.003
174_100YRCHI	2:31:01	.003
174_100YRCHI	2:31:59	.003
174_100YRCHI	2:33:00	.003
174_100YRCHI	2:34:01	.003
174_100YRCHI	2:34:59	.003
174_100YRCHI	2:36:00	.003
174_100YRCHI	2:37:01	.003
174_100YRCHI	2:37:59	.003
174_100YRCHI	2:39:00	.003
174_100YRCHI	2:40:01	.003
174_100YRCHI	2:40:59	.003
174_100YRCHI	2:42:00	.003

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	2:43:01	.003
174_100YRCHI	2:43:59	.003
174_100YRCHI	2:45:00	.003
174_100YRCHI	2:46:01	.003
174_100YRCHI	2:46:59	.003
174_100YRCHI	2:48:00	.003
174_100YRCHI	2:49:01	.003
174_100YRCHI	2:49:59	.003
174_100YRCHI	2:51:00	.003
174_100YRCHI	2:52:01	.003
174_100YRCHI	2:52:59	.002
174_100YRCHI	2:54:00	.002
174_100YRCHI	2:55:01	.002
174_100YRCHI	2:55:59	.002
174_100YRCHI	2:57:00	.002
174_100YRCHI	2:58:01	.002
174_100YRCHI	2:58:59	.002
174_100YRCHI	3:00:00	.002
174_100YRCHI	3:01:01	.002
174_100YRCHI	3:01:59	.001
174_100YRCHI	3:03:00	.001
174_100YRCHI	3:04:01	.001
174_100YRCHI	3:04:59	0.
174_100YRCHI	3:06:00	0.
174_100YRCHI	3:07:01	0.
174_100YRCHI	3:07:59	0.
174_100YRCHI	3:09:00	0.
174_100YRCHI	3:10:01	0.
174_100YRCHI	3:10:59	0.
174_100YRCHI	3:12:00	0.
174_100YRCHI	3:13:01	0.
174_100YRCHI	3:13:59	0.
174_100YRCHI	3:15:00	0.
174_100YRCHI	3:16:01	0.
174_100YRCHI	3:16:59	0.
174_100YRCHI	3:18:00	0.
174_100YRCHI	3:19:01	0.
174_100YRCHI	3:19:59	0.
174_100YRCHI	3:21:00	0.
174_100YRCHI	3:22:01	0.
174_100YRCHI	3:22:59	0.
174_100YRCHI	3:24:00	0.
174_100YRCHI	3:25:01	0.
174_100YRCHI	3:25:59	0.
174_100YRCHI	3:27:00	0.
174_100YRCHI	3:28:01	0.
174_100YRCHI	3:28:59	0.
174_100YRCHI	3:30:00	0.
174_100YRCHI	3:31:01	0.
174_100YRCHI	3:31:59	0.
174_100YRCHI	3:33:00	0.
174_100YRCHI	3:34:01	0.
174_100YRCHI	3:34:59	0.
174_100YRCHI	3:36:00	0.
174_100YRCHI	3:37:01	0.
174_100YRCHI	3:37:59	0.
174_100YRCHI	3:39:00	0.
174_100YRCHI	3:40:01	0.
174_100YRCHI	3:40:59	0.
174_100YRCHI	3:42:00	0.
174_100YRCHI	3:43:01	0.
174_100YRCHI	3:43:59	0.
174_100YRCHI	3:45:00	0.
174_100YRCHI	3:46:01	0.
174_100YRCHI	3:46:59	0.
174_100YRCHI	3:48:00	0.



post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	3:49:01	0.
174_100YRCHI	3:49:59	0.
174_100YRCHI	3:51:00	0.
174_100YRCHI	3:52:01	0.
174_100YRCHI	3:52:59	0.
174_100YRCHI	3:54:00	0.
174_100YRCHI	3:55:01	0.
174_100YRCHI	3:55:59	0.
174_100YRCHI	3:57:00	0.
174_100YRCHI	3:58:01	0.
174_100YRCHI	3:58:59	0.
174_100YRCHI	4:00:00	0.
174_100YRCHI	4:01:01	0.
174_100YRCHI	4:01:59	0.
174_100YRCHI	4:03:00	0.
174_100YRCHI	4:04:01	0.
174_100YRCHI	4:04:59	0.
174_100YRCHI	4:06:00	0.
174_100YRCHI	4:07:01	0.
174_100YRCHI	4:07:59	0.
174_100YRCHI	4:09:00	0.
174_100YRCHI	4:10:01	0.
174_100YRCHI	4:10:59	0.
174_100YRCHI	4:12:00	0.
174_100YRCHI	4:13:01	0.
174_100YRCHI	4:13:59	0.
174_100YRCHI	4:15:00	0.
174_100YRCHI	4:16:01	0.
174_100YRCHI	4:16:59	0.
174_100YRCHI	4:18:00	0.
174_100YRCHI	4:19:01	0.
174_100YRCHI	4:19:59	0.
174_100YRCHI	4:21:00	0.
174_100YRCHI	4:22:01	0.
174_100YRCHI	4:22:59	0.
174_100YRCHI	4:24:00	0.
174_100YRCHI	4:25:01	0.
174_100YRCHI	4:25:59	0.
174_100YRCHI	4:27:00	0.
174_100YRCHI	4:28:01	0.
174_100YRCHI	4:28:59	0.
174_100YRCHI	4:30:00	0.
174_100YRCHI	4:31:01	0.
174_100YRCHI	4:31:59	0.
174_100YRCHI	4:33:00	0.
174_100YRCHI	4:34:01	0.
174_100YRCHI	4:34:59	0.
174_100YRCHI	4:36:00	0.
174_100YRCHI	4:37:01	0.
174_100YRCHI	4:37:59	0.
174_100YRCHI	4:39:00	0.
174_100YRCHI	4:40:01	0.
174_100YRCHI	4:40:59	0.
174_100YRCHI	4:42:00	0.
174_100YRCHI	4:43:01	0.
174_100YRCHI	4:43:59	0.
174_100YRCHI	4:45:00	0.
174_100YRCHI	4:46:01	0.
174_100YRCHI	4:46:59	0.
174_100YRCHI	4:48:00	0.
174_100YRCHI	4:49:01	0.
174_100YRCHI	4:49:59	0.
174_100YRCHI	4:51:00	0.
174_100YRCHI	4:52:01	0.
174_100YRCHI	4:52:59	0.
174_100YRCHI	4:54:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	4:55:01	0.
174_100YRCHI	4:55:59	0.
174_100YRCHI	4:57:00	0.
174_100YRCHI	4:58:01	0.
174_100YRCHI	4:58:59	0.
174_100YRCHI	5:00:00	0.
174_100YRCHI	5:01:01	0.
174_100YRCHI	5:01:59	0.
174_100YRCHI	5:03:00	0.
174_100YRCHI	5:04:01	0.
174_100YRCHI	5:04:59	0.
174_100YRCHI	5:06:00	0.
174_100YRCHI	5:07:01	0.
174_100YRCHI	5:07:59	0.
174_100YRCHI	5:09:00	0.
174_100YRCHI	5:10:01	0.
174_100YRCHI	5:10:59	0.
174_100YRCHI	5:12:00	0.
174_100YRCHI	5:13:01	0.
174_100YRCHI	5:13:59	0.
174_100YRCHI	5:15:00	0.
174_100YRCHI	5:16:01	0.
174_100YRCHI	5:16:59	0.
174_100YRCHI	5:18:00	0.
174_100YRCHI	5:19:01	0.
174_100YRCHI	5:19:59	0.
174_100YRCHI	5:21:00	0.
174_100YRCHI	5:22:01	0.
174_100YRCHI	5:22:59	0.
174_100YRCHI	5:24:00	0.
174_100YRCHI	5:25:01	0.
174_100YRCHI	5:25:59	0.
174_100YRCHI	5:27:00	0.
174_100YRCHI	5:28:01	0.
174_100YRCHI	5:28:59	0.
174_100YRCHI	5:30:00	0.
174_100YRCHI	5:31:01	0.
174_100YRCHI	5:31:59	0.
174_100YRCHI	5:33:00	0.
174_100YRCHI	5:34:01	0.
174_100YRCHI	5:34:59	0.
174_100YRCHI	5:36:00	0.
174_100YRCHI	5:37:01	0.
174_100YRCHI	5:37:59	0.
174_100YRCHI	5:39:00	0.
174_100YRCHI	5:40:01	0.
174_100YRCHI	5:40:59	0.
174_100YRCHI	5:42:00	0.
174_100YRCHI	5:43:01	0.
174_100YRCHI	5:43:59	0.
174_100YRCHI	5:45:00	0.
174_100YRCHI	5:46:01	0.
174_100YRCHI	5:46:59	0.
174_100YRCHI	5:48:00	0.
174_100YRCHI	5:49:01	0.
174_100YRCHI	5:49:59	0.
174_100YRCHI	5:51:00	0.
174_100YRCHI	5:52:01	0.
174_100YRCHI	5:52:59	0.
174_100YRCHI	5:54:00	0.
174_100YRCHI	5:55:01	0.
174_100YRCHI	5:55:59	0.
174_100YRCHI	5:57:00	0.
174_100YRCHI	5:58:01	0.
174_100YRCHI	5:58:59	0.
174_100YRCHI	6:00:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	6:01:01	0.
174_100YRCHI	6:01:59	0.
174_100YRCHI	6:03:00	0.
174_100YRCHI	6:04:01	0.
174_100YRCHI	6:04:59	0.
174_100YRCHI	6:06:00	0.
174_100YRCHI	6:07:01	0.
174_100YRCHI	6:07:59	0.
174_100YRCHI	6:09:00	0.
174_100YRCHI	6:10:01	0.
174_100YRCHI	6:10:59	0.
174_100YRCHI	6:12:00	0.
174_100YRCHI	6:13:01	0.
174_100YRCHI	6:13:59	0.
174_100YRCHI	6:15:00	0.
174_100YRCHI	6:16:01	0.
174_100YRCHI	6:16:59	0.
174_100YRCHI	6:18:00	0.
174_100YRCHI	6:19:01	0.
174_100YRCHI	6:19:59	0.
174_100YRCHI	6:21:00	0.
174_100YRCHI	6:22:01	0.
174_100YRCHI	6:22:59	0.
174_100YRCHI	6:24:00	0.
174_100YRCHI	6:25:01	0.
174_100YRCHI	6:25:59	0.
174_100YRCHI	6:27:00	0.
174_100YRCHI	6:28:01	0.
174_100YRCHI	6:28:59	0.
174_100YRCHI	6:30:00	0.
174_100YRCHI	6:31:01	0.
174_100YRCHI	6:31:59	0.
174_100YRCHI	6:33:00	0.
174_100YRCHI	6:34:01	0.
174_100YRCHI	6:34:59	0.
174_100YRCHI	6:36:00	0.
174_100YRCHI	6:37:01	0.
174_100YRCHI	6:37:59	0.
174_100YRCHI	6:39:00	0.
174_100YRCHI	6:40:01	0.
174_100YRCHI	6:40:59	0.
174_100YRCHI	6:42:00	0.
174_100YRCHI	6:43:01	0.
174_100YRCHI	6:43:59	0.
174_100YRCHI	6:45:00	0.
174_100YRCHI	6:46:01	0.
174_100YRCHI	6:46:59	0.
174_100YRCHI	6:48:00	0.
174_100YRCHI	6:49:01	0.
174_100YRCHI	6:49:59	0.
174_100YRCHI	6:51:00	0.
174_100YRCHI	6:52:01	0.
174_100YRCHI	6:52:59	0.
174_100YRCHI	6:54:00	0.
174_100YRCHI	6:55:01	0.
174_100YRCHI	6:55:59	0.
174_100YRCHI	6:57:00	0.
174_100YRCHI	6:58:01	0.
174_100YRCHI	6:58:59	0.
174_100YRCHI	7:00:00	0.
174_100YRCHI	7:01:01	0.
174_100YRCHI	7:01:59	0.
174_100YRCHI	7:03:00	0.
174_100YRCHI	7:04:01	0.
174_100YRCHI	7:04:59	0.
174_100YRCHI	7:06:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	7:07:01	0.
174_100YRCHI	7:07:59	0.
174_100YRCHI	7:09:00	0.
174_100YRCHI	7:10:01	0.
174_100YRCHI	7:10:59	0.
174_100YRCHI	7:12:00	0.
174_100YRCHI	7:13:01	0.
174_100YRCHI	7:13:59	0.
174_100YRCHI	7:15:00	0.
174_100YRCHI	7:16:01	0.
174_100YRCHI	7:16:59	0.
174_100YRCHI	7:18:00	0.
174_100YRCHI	7:19:01	0.
174_100YRCHI	7:19:59	0.
174_100YRCHI	7:21:00	0.
174_100YRCHI	7:22:01	0.
174_100YRCHI	7:22:59	0.
174_100YRCHI	7:24:00	0.
174_100YRCHI	7:25:01	0.
174_100YRCHI	7:25:59	0.
174_100YRCHI	7:27:00	0.
174_100YRCHI	7:28:01	0.
174_100YRCHI	7:28:59	0.
174_100YRCHI	7:30:00	0.
174_100YRCHI	7:31:01	0.
174_100YRCHI	7:31:59	0.
174_100YRCHI	7:33:00	0.
174_100YRCHI	7:34:01	0.
174_100YRCHI	7:34:59	0.
174_100YRCHI	7:36:00	0.
174_100YRCHI	7:37:01	0.
174_100YRCHI	7:37:59	0.
174_100YRCHI	7:39:00	0.
174_100YRCHI	7:40:01	0.
174_100YRCHI	7:40:59	0.
174_100YRCHI	7:42:00	0.
174_100YRCHI	7:43:01	0.
174_100YRCHI	7:43:59	0.
174_100YRCHI	7:45:00	0.
174_100YRCHI	7:46:01	0.
174_100YRCHI	7:46:59	0.
174_100YRCHI	7:48:00	0.
174_100YRCHI	7:49:01	0.
174_100YRCHI	7:49:59	0.
174_100YRCHI	7:51:00	0.
174_100YRCHI	7:52:01	0.
174_100YRCHI	7:52:59	0.
174_100YRCHI	7:54:00	0.
174_100YRCHI	7:55:01	0.
174_100YRCHI	7:55:59	0.
174_100YRCHI	7:57:00	0.
174_100YRCHI	7:58:01	0.
174_100YRCHI	7:58:59	0.
174_100YRCHI	8:00:00	0.
174_100YRCHI	8:01:01	0.
174_100YRCHI	8:01:59	0.
174_100YRCHI	8:03:00	0.
174_100YRCHI	8:04:01	0.
174_100YRCHI	8:04:59	0.
174_100YRCHI	8:06:00	0.
174_100YRCHI	8:07:01	0.
174_100YRCHI	8:07:59	0.
174_100YRCHI	8:09:00	0.
174_100YRCHI	8:10:01	0.
174_100YRCHI	8:10:59	0.
174_100YRCHI	8:12:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	8:13:01	0.
174_100YRCHI	8:13:59	0.
174_100YRCHI	8:15:00	0.
174_100YRCHI	8:16:01	0.
174_100YRCHI	8:16:59	0.
174_100YRCHI	8:18:00	0.
174_100YRCHI	8:19:01	0.
174_100YRCHI	8:19:59	0.
174_100YRCHI	8:21:00	0.
174_100YRCHI	8:22:01	0.
174_100YRCHI	8:22:59	0.
174_100YRCHI	8:24:00	0.
174_100YRCHI	8:25:01	0.
174_100YRCHI	8:25:59	0.
174_100YRCHI	8:27:00	0.
174_100YRCHI	8:28:01	0.
174_100YRCHI	8:28:59	0.
174_100YRCHI	8:30:00	0.
174_100YRCHI	8:31:01	0.
174_100YRCHI	8:31:59	0.
174_100YRCHI	8:33:00	0.
174_100YRCHI	8:34:01	0.
174_100YRCHI	8:34:59	0.
174_100YRCHI	8:36:00	0.
174_100YRCHI	8:37:01	0.
174_100YRCHI	8:37:59	0.
174_100YRCHI	8:39:00	0.
174_100YRCHI	8:40:01	0.
174_100YRCHI	8:40:59	0.
174_100YRCHI	8:42:00	0.
174_100YRCHI	8:43:01	0.
174_100YRCHI	8:43:59	0.
174_100YRCHI	8:45:00	0.
174_100YRCHI	8:46:01	0.
174_100YRCHI	8:46:59	0.
174_100YRCHI	8:48:00	0.
174_100YRCHI	8:49:01	0.
174_100YRCHI	8:49:59	0.
174_100YRCHI	8:51:00	0.
174_100YRCHI	8:52:01	0.
174_100YRCHI	8:52:59	0.
174_100YRCHI	8:54:00	0.
174_100YRCHI	8:55:01	0.
174_100YRCHI	8:55:59	0.
174_100YRCHI	8:57:00	0.
174_100YRCHI	8:58:01	0.
174_100YRCHI	8:58:59	0.
174_100YRCHI	9:00:00	0.
174_100YRCHI	9:01:01	0.
174_100YRCHI	9:01:59	0.
174_100YRCHI	9:03:00	0.
174_100YRCHI	9:04:01	0.
174_100YRCHI	9:04:59	0.
174_100YRCHI	9:06:00	0.
174_100YRCHI	9:07:01	0.
174_100YRCHI	9:07:59	0.
174_100YRCHI	9:09:00	0.
174_100YRCHI	9:10:01	0.
174_100YRCHI	9:10:59	0.
174_100YRCHI	9:12:00	0.
174_100YRCHI	9:13:01	0.
174_100YRCHI	9:13:59	0.
174_100YRCHI	9:15:00	0.
174_100YRCHI	9:16:01	0.
174_100YRCHI	9:16:59	0.
174_100YRCHI	9:18:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	9:19:01	0.
174_100YRCHI	9:19:59	0.
174_100YRCHI	9:21:00	0.
174_100YRCHI	9:22:01	0.
174_100YRCHI	9:22:59	0.
174_100YRCHI	9:24:00	0.
174_100YRCHI	9:25:01	0.
174_100YRCHI	9:25:59	0.
174_100YRCHI	9:27:00	0.
174_100YRCHI	9:28:01	0.
174_100YRCHI	9:28:59	0.
174_100YRCHI	9:30:00	0.
174_100YRCHI	9:31:01	0.
174_100YRCHI	9:31:59	0.
174_100YRCHI	9:33:00	0.
174_100YRCHI	9:34:01	0.
174_100YRCHI	9:34:59	0.
174_100YRCHI	9:36:00	0.
174_100YRCHI	9:37:01	0.
174_100YRCHI	9:37:59	0.
174_100YRCHI	9:39:00	0.
174_100YRCHI	9:40:01	0.
174_100YRCHI	9:40:59	0.
174_100YRCHI	9:42:00	0.
174_100YRCHI	9:43:01	0.
174_100YRCHI	9:43:59	0.
174_100YRCHI	9:45:00	0.
174_100YRCHI	9:46:01	0.
174_100YRCHI	9:46:59	0.
174_100YRCHI	9:48:00	0.
174_100YRCHI	9:49:01	0.
174_100YRCHI	9:49:59	0.
174_100YRCHI	9:51:00	0.
174_100YRCHI	9:52:01	0.
174_100YRCHI	9:52:59	0.
174_100YRCHI	9:54:00	0.
174_100YRCHI	9:55:01	0.
174_100YRCHI	9:55:59	0.
174_100YRCHI	9:57:00	0.
174_100YRCHI	9:58:01	0.
174_100YRCHI	9:58:59	0.
174_100YRCHI	10:00:00	0.
174_100YRCHI	10:01:01	0.
174_100YRCHI	10:01:59	0.
174_100YRCHI	10:03:00	0.
174_100YRCHI	10:04:01	0.
174_100YRCHI	10:04:59	0.
174_100YRCHI	10:06:00	0.
174_100YRCHI	10:07:01	0.
174_100YRCHI	10:07:59	0.
174_100YRCHI	10:09:00	0.
174_100YRCHI	10:10:01	0.
174_100YRCHI	10:10:59	0.
174_100YRCHI	10:12:00	0.
174_100YRCHI	10:13:01	0.
174_100YRCHI	10:13:59	0.
174_100YRCHI	10:15:00	0.
174_100YRCHI	10:16:01	0.
174_100YRCHI	10:16:59	0.
174_100YRCHI	10:18:00	0.
174_100YRCHI	10:19:01	0.
174_100YRCHI	10:19:59	0.
174_100YRCHI	10:21:00	0.
174_100YRCHI	10:22:01	0.
174_100YRCHI	10:22:59	0.
174_100YRCHI	10:24:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	10:25:01	0.
174_100YRCHI	10:25:59	0.
174_100YRCHI	10:27:00	0.
174_100YRCHI	10:28:01	0.
174_100YRCHI	10:28:59	0.
174_100YRCHI	10:30:00	0.
174_100YRCHI	10:31:01	0.
174_100YRCHI	10:31:59	0.
174_100YRCHI	10:33:00	0.
174_100YRCHI	10:34:01	0.
174_100YRCHI	10:34:59	0.
174_100YRCHI	10:36:00	0.
174_100YRCHI	10:37:01	0.
174_100YRCHI	10:37:59	0.
174_100YRCHI	10:39:00	0.
174_100YRCHI	10:40:01	0.
174_100YRCHI	10:40:59	0.
174_100YRCHI	10:42:00	0.
174_100YRCHI	10:43:01	0.
174_100YRCHI	10:43:59	0.
174_100YRCHI	10:45:00	0.
174_100YRCHI	10:46:01	0.
174_100YRCHI	10:46:59	0.
174_100YRCHI	10:48:00	0.
174_100YRCHI	10:49:01	0.
174_100YRCHI	10:49:59	0.
174_100YRCHI	10:51:00	0.
174_100YRCHI	10:52:01	0.
174_100YRCHI	10:52:59	0.
174_100YRCHI	10:54:00	0.
174_100YRCHI	10:55:01	0.
174_100YRCHI	10:55:59	0.
174_100YRCHI	10:57:00	0.
174_100YRCHI	10:58:01	0.
174_100YRCHI	10:58:59	0.
174_100YRCHI	11:00:00	0.
174_100YRCHI	11:01:01	0.
174_100YRCHI	11:01:59	0.
174_100YRCHI	11:03:00	0.
174_100YRCHI	11:04:01	0.
174_100YRCHI	11:04:59	0.
174_100YRCHI	11:06:00	0.
174_100YRCHI	11:07:01	0.
174_100YRCHI	11:07:59	0.
174_100YRCHI	11:09:00	0.
174_100YRCHI	11:10:01	0.
174_100YRCHI	11:10:59	0.
174_100YRCHI	11:12:00	0.
174_100YRCHI	11:13:01	0.
174_100YRCHI	11:13:59	0.
174_100YRCHI	11:15:00	0.
174_100YRCHI	11:16:01	0.
174_100YRCHI	11:16:59	0.
174_100YRCHI	11:18:00	0.
174_100YRCHI	11:19:01	0.
174_100YRCHI	11:19:59	0.
174_100YRCHI	11:21:00	0.
174_100YRCHI	11:22:01	0.
174_100YRCHI	11:22:59	0.
174_100YRCHI	11:24:00	0.
174_100YRCHI	11:25:01	0.
174_100YRCHI	11:25:59	0.
174_100YRCHI	11:27:00	0.
174_100YRCHI	11:28:01	0.
174_100YRCHI	11:28:59	0.
174_100YRCHI	11:30:00	0.



post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	11:31:01	0.
174_100YRCHI	11:31:59	0.
174_100YRCHI	11:33:00	0.
174_100YRCHI	11:34:01	0.
174_100YRCHI	11:34:59	0.
174_100YRCHI	11:36:00	0.
174_100YRCHI	11:37:01	0.
174_100YRCHI	11:37:59	0.
174_100YRCHI	11:39:00	0.
174_100YRCHI	11:40:01	0.
174_100YRCHI	11:40:59	0.
174_100YRCHI	11:42:00	0.
174_100YRCHI	11:43:01	0.
174_100YRCHI	11:43:59	0.
174_100YRCHI	11:45:00	0.
174_100YRCHI	11:46:01	0.
174_100YRCHI	11:46:59	0.
174_100YRCHI	11:48:00	0.
174_100YRCHI	11:49:01	0.
174_100YRCHI	11:49:59	0.
174_100YRCHI	11:51:00	0.
174_100YRCHI	11:52:01	0.
174_100YRCHI	11:52:59	0.
174_100YRCHI	11:54:00	0.
174_100YRCHI	11:55:01	0.
174_100YRCHI	11:55:59	0.
174_100YRCHI	11:57:00	0.
174_100YRCHI	11:58:01	0.
174_100YRCHI	11:58:59	0.
174_100YRCHI	12:00:00	0.
174_100YRCHI	12:01:01	0.
174_100YRCHI	12:01:59	0.
174_100YRCHI	12:03:00	0.
174_100YRCHI	12:04:01	0.
174_100YRCHI	12:04:59	0.
174_100YRCHI	12:06:00	0.
174_100YRCHI	12:07:01	0.
174_100YRCHI	12:07:59	0.
174_100YRCHI	12:09:00	0.
174_100YRCHI	12:10:01	0.
174_100YRCHI	12:10:59	0.
174_100YRCHI	12:12:00	0.
174_100YRCHI	12:13:01	0.
174_100YRCHI	12:13:59	0.
174_100YRCHI	12:15:00	0.
174_100YRCHI	12:16:01	0.
174_100YRCHI	12:16:59	0.
174_100YRCHI	12:18:00	0.
174_100YRCHI	12:19:01	0.
174_100YRCHI	12:19:59	0.
174_100YRCHI	12:21:00	0.
174_100YRCHI	12:22:01	0.
174_100YRCHI	12:22:59	0.
174_100YRCHI	12:24:00	0.
174_100YRCHI	12:25:01	0.
174_100YRCHI	12:25:59	0.
174_100YRCHI	12:27:00	0.
174_100YRCHI	12:28:01	0.
174_100YRCHI	12:28:59	0.
174_100YRCHI	12:30:00	0.
174_100YRCHI	12:31:01	0.
174_100YRCHI	12:31:59	0.
174_100YRCHI	12:33:00	0.
174_100YRCHI	12:34:01	0.
174_100YRCHI	12:34:59	0.
174_100YRCHI	12:36:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	12:37:01	0.
174_100YRCHI	12:37:59	0.
174_100YRCHI	12:39:00	0.
174_100YRCHI	12:40:01	0.
174_100YRCHI	12:40:59	0.
174_100YRCHI	12:42:00	0.
174_100YRCHI	12:43:01	0.
174_100YRCHI	12:43:59	0.
174_100YRCHI	12:45:00	0.
174_100YRCHI	12:46:01	0.
174_100YRCHI	12:46:59	0.
174_100YRCHI	12:48:00	0.
174_100YRCHI	12:49:01	0.
174_100YRCHI	12:49:59	0.
174_100YRCHI	12:51:00	0.
174_100YRCHI	12:52:01	0.
174_100YRCHI	12:52:59	0.
174_100YRCHI	12:54:00	0.
174_100YRCHI	12:55:01	0.
174_100YRCHI	12:55:59	0.
174_100YRCHI	12:57:00	0.
174_100YRCHI	12:58:01	0.
174_100YRCHI	12:58:59	0.
174_100YRCHI	13:00:00	0.
174_100YRCHI	13:01:01	0.
174_100YRCHI	13:01:59	0.
174_100YRCHI	13:03:00	0.
174_100YRCHI	13:04:01	0.
174_100YRCHI	13:04:59	0.
174_100YRCHI	13:06:00	0.
174_100YRCHI	13:07:01	0.
174_100YRCHI	13:07:59	0.
174_100YRCHI	13:09:00	0.
174_100YRCHI	13:10:01	0.
174_100YRCHI	13:10:59	0.
174_100YRCHI	13:12:00	0.
174_100YRCHI	13:13:01	0.
174_100YRCHI	13:13:59	0.
174_100YRCHI	13:15:00	0.
174_100YRCHI	13:16:01	0.
174_100YRCHI	13:16:59	0.
174_100YRCHI	13:18:00	0.
174_100YRCHI	13:19:01	0.
174_100YRCHI	13:19:59	0.
174_100YRCHI	13:21:00	0.
174_100YRCHI	13:22:01	0.
174_100YRCHI	13:22:59	0.
174_100YRCHI	13:24:00	0.
174_100YRCHI	13:25:01	0.
174_100YRCHI	13:25:59	0.
174_100YRCHI	13:27:00	0.
174_100YRCHI	13:28:01	0.
174_100YRCHI	13:28:59	0.
174_100YRCHI	13:30:00	0.
174_100YRCHI	13:31:01	0.
174_100YRCHI	13:31:59	0.
174_100YRCHI	13:33:00	0.
174_100YRCHI	13:34:01	0.
174_100YRCHI	13:34:59	0.
174_100YRCHI	13:36:00	0.
174_100YRCHI	13:37:01	0.
174_100YRCHI	13:37:59	0.
174_100YRCHI	13:39:00	0.
174_100YRCHI	13:40:01	0.
174_100YRCHI	13:40:59	0.
174_100YRCHI	13:42:00	0.

post\_pond2\_2017-06-09\_100chi.inp

174_100YRCHI	13:43:01	0.
174_100YRCHI	13:43:59	0.
174_100YRCHI	13:45:00	0.
174_100YRCHI	13:46:01	0.
174_100YRCHI	13:46:59	0.
174_100YRCHI	13:48:00	0.
174_100YRCHI	13:49:01	0.
174_100YRCHI	13:49:59	0.
174_100YRCHI	13:51:00	0.
174_100YRCHI	13:52:01	0.
174_100YRCHI	13:52:59	0.
174_100YRCHI	13:54:00	0.
174_100YRCHI	13:55:01	0.
174_100YRCHI	13:55:59	0.
174_100YRCHI	13:57:00	0.
174_100YRCHI	13:58:01	0.
174_100YRCHI	13:58:59	0.
174_100YRCHI	14:00:00	0.
174_100YRCHI	14:01:01	0.
174_100YRCHI	14:01:59	0.
174_100YRCHI	14:03:00	0.
174_100YRCHI	14:04:01	0.
174_100YRCHI	14:04:59	0.
174_100YRCHI	14:06:00	0.
174_100YRCHI	14:07:01	0.
174_100YRCHI	14:07:59	0.
174_100YRCHI	14:09:00	0.
174_100YRCHI	14:10:01	0.
174_100YRCHI	14:10:59	0.
174_100YRCHI	14:12:00	0.
174_100YRCHI	14:13:01	0.
174_100YRCHI	14:13:59	0.
174_100YRCHI	14:15:00	0.
174_100YRCHI	14:16:01	0.
174_100YRCHI	14:16:59	0.
174_100YRCHI	14:18:00	0.
174_100YRCHI	14:19:01	0.

AREA1_100YRCHI	0:00:00	0.
AREA1_100YRCHI	0:01:01	0.
AREA1_100YRCHI	0:01:59	0.
AREA1_100YRCHI	0:03:00	0.
AREA1_100YRCHI	0:04:01	0.
AREA1_100YRCHI	0:04:59	0.
AREA1_100YRCHI	0:06:00	0.
AREA1_100YRCHI	0:07:01	0.
AREA1_100YRCHI	0:07:59	0.
AREA1_100YRCHI	0:09:00	0.
AREA1_100YRCHI	0:10:01	0.
AREA1_100YRCHI	0:10:59	0.
AREA1_100YRCHI	0:12:00	0.
AREA1_100YRCHI	0:13:01	0.
AREA1_100YRCHI	0:13:59	0.
AREA1_100YRCHI	0:15:00	0.
AREA1_100YRCHI	0:16:01	0.
AREA1_100YRCHI	0:16:59	0.
AREA1_100YRCHI	0:18:00	0.
AREA1_100YRCHI	0:19:01	0.
AREA1_100YRCHI	0:19:59	0.
AREA1_100YRCHI	0:21:00	0.
AREA1_100YRCHI	0:22:01	0.
AREA1_100YRCHI	0:22:59	0.
AREA1_100YRCHI	0:24:00	0.
AREA1_100YRCHI	0:25:01	0.
AREA1_100YRCHI	0:25:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	0:27:00	0.
AREA1_100YRCHI	0:28:01	0.
AREA1_100YRCHI	0:28:59	0.
AREA1_100YRCHI	0:30:00	0.
AREA1_100YRCHI	0:31:01	0.
AREA1_100YRCHI	0:31:59	0.
AREA1_100YRCHI	0:33:00	0.
AREA1_100YRCHI	0:34:01	0.
AREA1_100YRCHI	0:34:59	0.
AREA1_100YRCHI	0:36:00	0.
AREA1_100YRCHI	0:37:01	0.
AREA1_100YRCHI	0:37:59	0.
AREA1_100YRCHI	0:39:00	0.
AREA1_100YRCHI	0:40:01	0.
AREA1_100YRCHI	0:40:59	.001
AREA1_100YRCHI	0:42:00	.003
AREA1_100YRCHI	0:43:01	.006
AREA1_100YRCHI	0:43:59	.009
AREA1_100YRCHI	0:45:00	.014
AREA1_100YRCHI	0:46:01	.02
AREA1_100YRCHI	0:46:59	.025
AREA1_100YRCHI	0:48:00	.03
AREA1_100YRCHI	0:49:01	.034
AREA1_100YRCHI	0:49:59	.038
AREA1_100YRCHI	0:51:00	.05
AREA1_100YRCHI	0:52:01	.068
AREA1_100YRCHI	0:52:59	.093
AREA1_100YRCHI	0:54:00	.125
AREA1_100YRCHI	0:55:01	.163
AREA1_100YRCHI	0:55:59	.209
AREA1_100YRCHI	0:57:00	.247
AREA1_100YRCHI	0:58:01	.281
AREA1_100YRCHI	0:58:59	.31
AREA1_100YRCHI	1:00:00	.335
AREA1_100YRCHI	1:01:01	.35
AREA1_100YRCHI	1:01:59	.355
AREA1_100YRCHI	1:03:00	.351
AREA1_100YRCHI	1:04:01	.339
AREA1_100YRCHI	1:04:59	.319
AREA1_100YRCHI	1:06:00	.291
AREA1_100YRCHI	1:07:01	.267
AREA1_100YRCHI	1:07:59	.247
AREA1_100YRCHI	1:09:00	.229
AREA1_100YRCHI	1:10:01	.215
AREA1_100YRCHI	1:10:59	.201
AREA1_100YRCHI	1:12:00	.187
AREA1_100YRCHI	1:13:01	.174
AREA1_100YRCHI	1:13:59	.161
AREA1_100YRCHI	1:15:00	.147
AREA1_100YRCHI	1:16:01	.134
AREA1_100YRCHI	1:16:59	.122
AREA1_100YRCHI	1:18:00	.112
AREA1_100YRCHI	1:19:01	.104
AREA1_100YRCHI	1:19:59	.096
AREA1_100YRCHI	1:21:00	.09
AREA1_100YRCHI	1:22:01	.084
AREA1_100YRCHI	1:22:59	.078
AREA1_100YRCHI	1:24:00	.072
AREA1_100YRCHI	1:25:01	.067
AREA1_100YRCHI	1:25:59	.061
AREA1_100YRCHI	1:27:00	.056
AREA1_100YRCHI	1:28:01	.052
AREA1_100YRCHI	1:28:59	.049
AREA1_100YRCHI	1:30:00	.046
AREA1_100YRCHI	1:31:01	.043
AREA1_100YRCHI	1:31:59	.041

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	1:33:00	.038
AREA1_100YRCHI	1:34:01	.036
AREA1_100YRCHI	1:34:59	.034
AREA1_100YRCHI	1:36:00	.031
AREA1_100YRCHI	1:37:01	.029
AREA1_100YRCHI	1:37:59	.027
AREA1_100YRCHI	1:39:00	.026
AREA1_100YRCHI	1:40:01	.025
AREA1_100YRCHI	1:40:59	.023
AREA1_100YRCHI	1:42:00	.022
AREA1_100YRCHI	1:43:01	.021
AREA1_100YRCHI	1:43:59	.02
AREA1_100YRCHI	1:45:00	.019
AREA1_100YRCHI	1:46:01	.017
AREA1_100YRCHI	1:46:59	.016
AREA1_100YRCHI	1:48:00	.015
AREA1_100YRCHI	1:49:01	.014
AREA1_100YRCHI	1:49:59	.014
AREA1_100YRCHI	1:51:00	.013
AREA1_100YRCHI	1:52:01	.012
AREA1_100YRCHI	1:52:59	.012
AREA1_100YRCHI	1:54:00	.011
AREA1_100YRCHI	1:55:01	.01
AREA1_100YRCHI	1:55:59	.009
AREA1_100YRCHI	1:57:00	.009
AREA1_100YRCHI	1:58:01	.008
AREA1_100YRCHI	1:58:59	.008
AREA1_100YRCHI	2:00:00	.007
AREA1_100YRCHI	2:01:01	.007
AREA1_100YRCHI	2:01:59	.006
AREA1_100YRCHI	2:03:00	.006
AREA1_100YRCHI	2:04:01	.006
AREA1_100YRCHI	2:04:59	.005
AREA1_100YRCHI	2:06:00	.004
AREA1_100YRCHI	2:07:01	.004
AREA1_100YRCHI	2:07:59	.004
AREA1_100YRCHI	2:09:00	.003
AREA1_100YRCHI	2:10:01	.003
AREA1_100YRCHI	2:10:59	.003
AREA1_100YRCHI	2:12:00	.002
AREA1_100YRCHI	2:13:01	.002
AREA1_100YRCHI	2:13:59	.002
AREA1_100YRCHI	2:15:00	.002
AREA1_100YRCHI	2:16:01	.002
AREA1_100YRCHI	2:16:59	.001
AREA1_100YRCHI	2:18:00	.001
AREA1_100YRCHI	2:19:01	.001
AREA1_100YRCHI	2:19:59	.001
AREA1_100YRCHI	2:21:00	.001
AREA1_100YRCHI	2:22:01	.001
AREA1_100YRCHI	2:22:59	.001
AREA1_100YRCHI	2:24:00	.001
AREA1_100YRCHI	2:25:01	.001
AREA1_100YRCHI	2:25:59	0.
AREA1_100YRCHI	2:27:00	0.
AREA1_100YRCHI	2:28:01	0.
AREA1_100YRCHI	2:28:59	0.
AREA1_100YRCHI	2:30:00	0.
AREA1_100YRCHI	2:31:01	0.
AREA1_100YRCHI	2:31:59	0.
AREA1_100YRCHI	2:33:00	0.
AREA1_100YRCHI	2:34:01	0.
AREA1_100YRCHI	2:34:59	0.
AREA1_100YRCHI	2:36:00	0.
AREA1_100YRCHI	2:37:01	0.
AREA1_100YRCHI	2:37:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	2:39:00	0.
AREA1_100YRCHI	2:40:01	0.
AREA1_100YRCHI	2:40:59	0.
AREA1_100YRCHI	2:42:00	0.
AREA1_100YRCHI	2:43:01	0.
AREA1_100YRCHI	2:43:59	0.
AREA1_100YRCHI	2:45:00	0.
AREA1_100YRCHI	2:46:01	0.
AREA1_100YRCHI	2:46:59	0.
AREA1_100YRCHI	2:48:00	0.
AREA1_100YRCHI	2:49:01	0.
AREA1_100YRCHI	2:49:59	0.
AREA1_100YRCHI	2:51:00	0.
AREA1_100YRCHI	2:52:01	0.
AREA1_100YRCHI	2:52:59	0.
AREA1_100YRCHI	2:54:00	0.
AREA1_100YRCHI	2:55:01	0.
AREA1_100YRCHI	2:55:59	0.
AREA1_100YRCHI	2:57:00	0.
AREA1_100YRCHI	2:58:01	0.
AREA1_100YRCHI	2:58:59	0.
AREA1_100YRCHI	3:00:00	0.
AREA1_100YRCHI	3:01:01	0.
AREA1_100YRCHI	3:01:59	0.
AREA1_100YRCHI	3:03:00	0.
AREA1_100YRCHI	3:04:01	0.
AREA1_100YRCHI	3:04:59	0.
AREA1_100YRCHI	3:06:00	0.
AREA1_100YRCHI	3:07:01	0.
AREA1_100YRCHI	3:07:59	0.
AREA1_100YRCHI	3:09:00	0.
AREA1_100YRCHI	3:10:01	0.
AREA1_100YRCHI	3:10:59	0.
AREA1_100YRCHI	3:12:00	0.
AREA1_100YRCHI	3:13:01	0.
AREA1_100YRCHI	3:13:59	0.
AREA1_100YRCHI	3:15:00	0.
AREA1_100YRCHI	3:16:01	0.
AREA1_100YRCHI	3:16:59	0.
AREA1_100YRCHI	3:18:00	0.
AREA1_100YRCHI	3:19:01	0.
AREA1_100YRCHI	3:19:59	0.
AREA1_100YRCHI	3:21:00	0.
AREA1_100YRCHI	3:22:01	0.
AREA1_100YRCHI	3:22:59	0.
AREA1_100YRCHI	3:24:00	0.
AREA1_100YRCHI	3:25:01	0.
AREA1_100YRCHI	3:25:59	0.
AREA1_100YRCHI	3:27:00	0.
AREA1_100YRCHI	3:28:01	0.
AREA1_100YRCHI	3:28:59	0.
AREA1_100YRCHI	3:30:00	0.
AREA1_100YRCHI	3:31:01	0.
AREA1_100YRCHI	3:31:59	0.
AREA1_100YRCHI	3:33:00	0.
AREA1_100YRCHI	3:34:01	0.
AREA1_100YRCHI	3:34:59	0.
AREA1_100YRCHI	3:36:00	0.
AREA1_100YRCHI	3:37:01	0.
AREA1_100YRCHI	3:37:59	0.
AREA1_100YRCHI	3:39:00	0.
AREA1_100YRCHI	3:40:01	0.
AREA1_100YRCHI	3:40:59	0.
AREA1_100YRCHI	3:42:00	0.
AREA1_100YRCHI	3:43:01	0.
AREA1_100YRCHI	3:43:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	3:45:00	0.
AREA1_100YRCHI	3:46:01	0.
AREA1_100YRCHI	3:46:59	0.
AREA1_100YRCHI	3:48:00	0.
AREA1_100YRCHI	3:49:01	0.
AREA1_100YRCHI	3:49:59	0.
AREA1_100YRCHI	3:51:00	0.
AREA1_100YRCHI	3:52:01	0.
AREA1_100YRCHI	3:52:59	0.
AREA1_100YRCHI	3:54:00	0.
AREA1_100YRCHI	3:55:01	0.
AREA1_100YRCHI	3:55:59	0.
AREA1_100YRCHI	3:57:00	0.
AREA1_100YRCHI	3:58:01	0.
AREA1_100YRCHI	3:58:59	0.
AREA1_100YRCHI	4:00:00	0.
AREA1_100YRCHI	4:01:01	0.
AREA1_100YRCHI	4:01:59	0.
AREA1_100YRCHI	4:03:00	0.
AREA1_100YRCHI	4:04:01	0.
AREA1_100YRCHI	4:04:59	0.
AREA1_100YRCHI	4:06:00	0.
AREA1_100YRCHI	4:07:01	0.
AREA1_100YRCHI	4:07:59	0.
AREA1_100YRCHI	4:09:00	0.
AREA1_100YRCHI	4:10:01	0.
AREA1_100YRCHI	4:10:59	0.
AREA1_100YRCHI	4:12:00	0.
AREA1_100YRCHI	4:13:01	0.
AREA1_100YRCHI	4:13:59	0.
AREA1_100YRCHI	4:15:00	0.
AREA1_100YRCHI	4:16:01	0.
AREA1_100YRCHI	4:16:59	0.
AREA1_100YRCHI	4:18:00	0.
AREA1_100YRCHI	4:19:01	0.
AREA1_100YRCHI	4:19:59	0.
AREA1_100YRCHI	4:21:00	0.
AREA1_100YRCHI	4:22:01	0.
AREA1_100YRCHI	4:22:59	0.
AREA1_100YRCHI	4:24:00	0.
AREA1_100YRCHI	4:25:01	0.
AREA1_100YRCHI	4:25:59	0.
AREA1_100YRCHI	4:27:00	0.
AREA1_100YRCHI	4:28:01	0.
AREA1_100YRCHI	4:28:59	0.
AREA1_100YRCHI	4:30:00	0.
AREA1_100YRCHI	4:31:01	0.
AREA1_100YRCHI	4:31:59	0.
AREA1_100YRCHI	4:33:00	0.
AREA1_100YRCHI	4:34:01	0.
AREA1_100YRCHI	4:34:59	0.
AREA1_100YRCHI	4:36:00	0.
AREA1_100YRCHI	4:37:01	0.
AREA1_100YRCHI	4:37:59	0.
AREA1_100YRCHI	4:39:00	0.
AREA1_100YRCHI	4:40:01	0.
AREA1_100YRCHI	4:40:59	0.
AREA1_100YRCHI	4:42:00	0.
AREA1_100YRCHI	4:43:01	0.
AREA1_100YRCHI	4:43:59	0.
AREA1_100YRCHI	4:45:00	0.
AREA1_100YRCHI	4:46:01	0.
AREA1_100YRCHI	4:46:59	0.
AREA1_100YRCHI	4:48:00	0.
AREA1_100YRCHI	4:49:01	0.
AREA1_100YRCHI	4:49:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	4:51:00	0.
AREA1_100YRCHI	4:52:01	0.
AREA1_100YRCHI	4:52:59	0.
AREA1_100YRCHI	4:54:00	0.
AREA1_100YRCHI	4:55:01	0.
AREA1_100YRCHI	4:55:59	0.
AREA1_100YRCHI	4:57:00	0.
AREA1_100YRCHI	4:58:01	0.
AREA1_100YRCHI	4:58:59	0.
AREA1_100YRCHI	5:00:00	0.
AREA1_100YRCHI	5:01:01	0.
AREA1_100YRCHI	5:01:59	0.
AREA1_100YRCHI	5:03:00	0.
AREA1_100YRCHI	5:04:01	0.
AREA1_100YRCHI	5:04:59	0.
AREA1_100YRCHI	5:06:00	0.
AREA1_100YRCHI	5:07:01	0.
AREA1_100YRCHI	5:07:59	0.
AREA1_100YRCHI	5:09:00	0.
AREA1_100YRCHI	5:10:01	0.
AREA1_100YRCHI	5:10:59	0.
AREA1_100YRCHI	5:12:00	0.
AREA1_100YRCHI	5:13:01	0.
AREA1_100YRCHI	5:13:59	0.
AREA1_100YRCHI	5:15:00	0.
AREA1_100YRCHI	5:16:01	0.
AREA1_100YRCHI	5:16:59	0.
AREA1_100YRCHI	5:18:00	0.
AREA1_100YRCHI	5:19:01	0.
AREA1_100YRCHI	5:19:59	0.
AREA1_100YRCHI	5:21:00	0.
AREA1_100YRCHI	5:22:01	0.
AREA1_100YRCHI	5:22:59	0.
AREA1_100YRCHI	5:24:00	0.
AREA1_100YRCHI	5:25:01	0.
AREA1_100YRCHI	5:25:59	0.
AREA1_100YRCHI	5:27:00	0.
AREA1_100YRCHI	5:28:01	0.
AREA1_100YRCHI	5:28:59	0.
AREA1_100YRCHI	5:30:00	0.
AREA1_100YRCHI	5:31:01	0.
AREA1_100YRCHI	5:31:59	0.
AREA1_100YRCHI	5:33:00	0.
AREA1_100YRCHI	5:34:01	0.
AREA1_100YRCHI	5:34:59	0.
AREA1_100YRCHI	5:36:00	0.
AREA1_100YRCHI	5:37:01	0.
AREA1_100YRCHI	5:37:59	0.
AREA1_100YRCHI	5:39:00	0.
AREA1_100YRCHI	5:40:01	0.
AREA1_100YRCHI	5:40:59	0.
AREA1_100YRCHI	5:42:00	0.
AREA1_100YRCHI	5:43:01	0.
AREA1_100YRCHI	5:43:59	0.
AREA1_100YRCHI	5:45:00	0.
AREA1_100YRCHI	5:46:01	0.
AREA1_100YRCHI	5:46:59	0.
AREA1_100YRCHI	5:48:00	0.
AREA1_100YRCHI	5:49:01	0.
AREA1_100YRCHI	5:49:59	0.
AREA1_100YRCHI	5:51:00	0.
AREA1_100YRCHI	5:52:01	0.
AREA1_100YRCHI	5:52:59	0.
AREA1_100YRCHI	5:54:00	0.
AREA1_100YRCHI	5:55:01	0.
AREA1_100YRCHI	5:55:59	0.



post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	5:57:00	0.
AREA1_100YRCHI	5:58:01	0.
AREA1_100YRCHI	5:58:59	0.
AREA1_100YRCHI	6:00:00	0.
AREA1_100YRCHI	6:01:01	0.
AREA1_100YRCHI	6:01:59	0.
AREA1_100YRCHI	6:03:00	0.
AREA1_100YRCHI	6:04:01	0.
AREA1_100YRCHI	6:04:59	0.
AREA1_100YRCHI	6:06:00	0.
AREA1_100YRCHI	6:07:01	0.
AREA1_100YRCHI	6:07:59	0.
AREA1_100YRCHI	6:09:00	0.
AREA1_100YRCHI	6:10:01	0.
AREA1_100YRCHI	6:10:59	0.
AREA1_100YRCHI	6:12:00	0.
AREA1_100YRCHI	6:13:01	0.
AREA1_100YRCHI	6:13:59	0.
AREA1_100YRCHI	6:15:00	0.
AREA1_100YRCHI	6:16:01	0.
AREA1_100YRCHI	6:16:59	0.
AREA1_100YRCHI	6:18:00	0.
AREA1_100YRCHI	6:19:01	0.
AREA1_100YRCHI	6:19:59	0.
AREA1_100YRCHI	6:21:00	0.
AREA1_100YRCHI	6:22:01	0.
AREA1_100YRCHI	6:22:59	0.
AREA1_100YRCHI	6:24:00	0.
AREA1_100YRCHI	6:25:01	0.
AREA1_100YRCHI	6:25:59	0.
AREA1_100YRCHI	6:27:00	0.
AREA1_100YRCHI	6:28:01	0.
AREA1_100YRCHI	6:28:59	0.
AREA1_100YRCHI	6:30:00	0.
AREA1_100YRCHI	6:31:01	0.
AREA1_100YRCHI	6:31:59	0.
AREA1_100YRCHI	6:33:00	0.
AREA1_100YRCHI	6:34:01	0.
AREA1_100YRCHI	6:34:59	0.
AREA1_100YRCHI	6:36:00	0.
AREA1_100YRCHI	6:37:01	0.
AREA1_100YRCHI	6:37:59	0.
AREA1_100YRCHI	6:39:00	0.
AREA1_100YRCHI	6:40:01	0.
AREA1_100YRCHI	6:40:59	0.
AREA1_100YRCHI	6:42:00	0.
AREA1_100YRCHI	6:43:01	0.
AREA1_100YRCHI	6:43:59	0.
AREA1_100YRCHI	6:45:00	0.
AREA1_100YRCHI	6:46:01	0.
AREA1_100YRCHI	6:46:59	0.
AREA1_100YRCHI	6:48:00	0.
AREA1_100YRCHI	6:49:01	0.
AREA1_100YRCHI	6:49:59	0.
AREA1_100YRCHI	6:51:00	0.
AREA1_100YRCHI	6:52:01	0.
AREA1_100YRCHI	6:52:59	0.
AREA1_100YRCHI	6:54:00	0.
AREA1_100YRCHI	6:55:01	0.
AREA1_100YRCHI	6:55:59	0.
AREA1_100YRCHI	6:57:00	0.
AREA1_100YRCHI	6:58:01	0.
AREA1_100YRCHI	6:58:59	0.
AREA1_100YRCHI	7:00:00	0.
AREA1_100YRCHI	7:01:01	0.
AREA1_100YRCHI	7:01:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	7:03:00	0.
AREA1_100YRCHI	7:04:01	0.
AREA1_100YRCHI	7:04:59	0.
AREA1_100YRCHI	7:06:00	0.
AREA1_100YRCHI	7:07:01	0.
AREA1_100YRCHI	7:07:59	0.
AREA1_100YRCHI	7:09:00	0.
AREA1_100YRCHI	7:10:01	0.
AREA1_100YRCHI	7:10:59	0.
AREA1_100YRCHI	7:12:00	0.
AREA1_100YRCHI	7:13:01	0.
AREA1_100YRCHI	7:13:59	0.
AREA1_100YRCHI	7:15:00	0.
AREA1_100YRCHI	7:16:01	0.
AREA1_100YRCHI	7:16:59	0.
AREA1_100YRCHI	7:18:00	0.
AREA1_100YRCHI	7:19:01	0.
AREA1_100YRCHI	7:19:59	0.
AREA1_100YRCHI	7:21:00	0.
AREA1_100YRCHI	7:22:01	0.
AREA1_100YRCHI	7:22:59	0.
AREA1_100YRCHI	7:24:00	0.
AREA1_100YRCHI	7:25:01	0.
AREA1_100YRCHI	7:25:59	0.
AREA1_100YRCHI	7:27:00	0.
AREA1_100YRCHI	7:28:01	0.
AREA1_100YRCHI	7:28:59	0.
AREA1_100YRCHI	7:30:00	0.
AREA1_100YRCHI	7:31:01	0.
AREA1_100YRCHI	7:31:59	0.
AREA1_100YRCHI	7:33:00	0.
AREA1_100YRCHI	7:34:01	0.
AREA1_100YRCHI	7:34:59	0.
AREA1_100YRCHI	7:36:00	0.
AREA1_100YRCHI	7:37:01	0.
AREA1_100YRCHI	7:37:59	0.
AREA1_100YRCHI	7:39:00	0.
AREA1_100YRCHI	7:40:01	0.
AREA1_100YRCHI	7:40:59	0.
AREA1_100YRCHI	7:42:00	0.
AREA1_100YRCHI	7:43:01	0.
AREA1_100YRCHI	7:43:59	0.
AREA1_100YRCHI	7:45:00	0.
AREA1_100YRCHI	7:46:01	0.
AREA1_100YRCHI	7:46:59	0.
AREA1_100YRCHI	7:48:00	0.
AREA1_100YRCHI	7:49:01	0.
AREA1_100YRCHI	7:49:59	0.
AREA1_100YRCHI	7:51:00	0.
AREA1_100YRCHI	7:52:01	0.
AREA1_100YRCHI	7:52:59	0.
AREA1_100YRCHI	7:54:00	0.
AREA1_100YRCHI	7:55:01	0.
AREA1_100YRCHI	7:55:59	0.
AREA1_100YRCHI	7:57:00	0.
AREA1_100YRCHI	7:58:01	0.
AREA1_100YRCHI	7:58:59	0.
AREA1_100YRCHI	8:00:00	0.
AREA1_100YRCHI	8:01:01	0.
AREA1_100YRCHI	8:01:59	0.
AREA1_100YRCHI	8:03:00	0.
AREA1_100YRCHI	8:04:01	0.
AREA1_100YRCHI	8:04:59	0.
AREA1_100YRCHI	8:06:00	0.
AREA1_100YRCHI	8:07:01	0.
AREA1_100YRCHI	8:07:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	8:09:00	0.
AREA1_100YRCHI	8:10:01	0.
AREA1_100YRCHI	8:10:59	0.
AREA1_100YRCHI	8:12:00	0.
AREA1_100YRCHI	8:13:01	0.
AREA1_100YRCHI	8:13:59	0.
AREA1_100YRCHI	8:15:00	0.
AREA1_100YRCHI	8:16:01	0.
AREA1_100YRCHI	8:16:59	0.
AREA1_100YRCHI	8:18:00	0.
AREA1_100YRCHI	8:19:01	0.
AREA1_100YRCHI	8:19:59	0.
AREA1_100YRCHI	8:21:00	0.
AREA1_100YRCHI	8:22:01	0.
AREA1_100YRCHI	8:22:59	0.
AREA1_100YRCHI	8:24:00	0.
AREA1_100YRCHI	8:25:01	0.
AREA1_100YRCHI	8:25:59	0.
AREA1_100YRCHI	8:27:00	0.
AREA1_100YRCHI	8:28:01	0.
AREA1_100YRCHI	8:28:59	0.
AREA1_100YRCHI	8:30:00	0.
AREA1_100YRCHI	8:31:01	0.
AREA1_100YRCHI	8:31:59	0.
AREA1_100YRCHI	8:33:00	0.
AREA1_100YRCHI	8:34:01	0.
AREA1_100YRCHI	8:34:59	0.
AREA1_100YRCHI	8:36:00	0.
AREA1_100YRCHI	8:37:01	0.
AREA1_100YRCHI	8:37:59	0.
AREA1_100YRCHI	8:39:00	0.
AREA1_100YRCHI	8:40:01	0.
AREA1_100YRCHI	8:40:59	0.
AREA1_100YRCHI	8:42:00	0.
AREA1_100YRCHI	8:43:01	0.
AREA1_100YRCHI	8:43:59	0.
AREA1_100YRCHI	8:45:00	0.
AREA1_100YRCHI	8:46:01	0.
AREA1_100YRCHI	8:46:59	0.
AREA1_100YRCHI	8:48:00	0.
AREA1_100YRCHI	8:49:01	0.
AREA1_100YRCHI	8:49:59	0.
AREA1_100YRCHI	8:51:00	0.
AREA1_100YRCHI	8:52:01	0.
AREA1_100YRCHI	8:52:59	0.
AREA1_100YRCHI	8:54:00	0.
AREA1_100YRCHI	8:55:01	0.
AREA1_100YRCHI	8:55:59	0.
AREA1_100YRCHI	8:57:00	0.
AREA1_100YRCHI	8:58:01	0.
AREA1_100YRCHI	8:58:59	0.
AREA1_100YRCHI	9:00:00	0.
AREA1_100YRCHI	9:01:01	0.
AREA1_100YRCHI	9:01:59	0.
AREA1_100YRCHI	9:03:00	0.
AREA1_100YRCHI	9:04:01	0.
AREA1_100YRCHI	9:04:59	0.
AREA1_100YRCHI	9:06:00	0.
AREA1_100YRCHI	9:07:01	0.
AREA1_100YRCHI	9:07:59	0.
AREA1_100YRCHI	9:09:00	0.
AREA1_100YRCHI	9:10:01	0.
AREA1_100YRCHI	9:10:59	0.
AREA1_100YRCHI	9:12:00	0.
AREA1_100YRCHI	9:13:01	0.
AREA1_100YRCHI	9:13:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	9:15:00	0.
AREA1_100YRCHI	9:16:01	0.
AREA1_100YRCHI	9:16:59	0.
AREA1_100YRCHI	9:18:00	0.
AREA1_100YRCHI	9:19:01	0.
AREA1_100YRCHI	9:19:59	0.
AREA1_100YRCHI	9:21:00	0.
AREA1_100YRCHI	9:22:01	0.
AREA1_100YRCHI	9:22:59	0.
AREA1_100YRCHI	9:24:00	0.
AREA1_100YRCHI	9:25:01	0.
AREA1_100YRCHI	9:25:59	0.
AREA1_100YRCHI	9:27:00	0.
AREA1_100YRCHI	9:28:01	0.
AREA1_100YRCHI	9:28:59	0.
AREA1_100YRCHI	9:30:00	0.
AREA1_100YRCHI	9:31:01	0.
AREA1_100YRCHI	9:31:59	0.
AREA1_100YRCHI	9:33:00	0.
AREA1_100YRCHI	9:34:01	0.
AREA1_100YRCHI	9:34:59	0.
AREA1_100YRCHI	9:36:00	0.
AREA1_100YRCHI	9:37:01	0.
AREA1_100YRCHI	9:37:59	0.
AREA1_100YRCHI	9:39:00	0.
AREA1_100YRCHI	9:40:01	0.
AREA1_100YRCHI	9:40:59	0.
AREA1_100YRCHI	9:42:00	0.
AREA1_100YRCHI	9:43:01	0.
AREA1_100YRCHI	9:43:59	0.
AREA1_100YRCHI	9:45:00	0.
AREA1_100YRCHI	9:46:01	0.
AREA1_100YRCHI	9:46:59	0.
AREA1_100YRCHI	9:48:00	0.
AREA1_100YRCHI	9:49:01	0.
AREA1_100YRCHI	9:49:59	0.
AREA1_100YRCHI	9:51:00	0.
AREA1_100YRCHI	9:52:01	0.
AREA1_100YRCHI	9:52:59	0.
AREA1_100YRCHI	9:54:00	0.
AREA1_100YRCHI	9:55:01	0.
AREA1_100YRCHI	9:55:59	0.
AREA1_100YRCHI	9:57:00	0.
AREA1_100YRCHI	9:58:01	0.
AREA1_100YRCHI	9:58:59	0.
AREA1_100YRCHI	10:00:00	0.
AREA1_100YRCHI	10:01:01	0.
AREA1_100YRCHI	10:01:59	0.
AREA1_100YRCHI	10:03:00	0.
AREA1_100YRCHI	10:04:01	0.
AREA1_100YRCHI	10:04:59	0.
AREA1_100YRCHI	10:06:00	0.
AREA1_100YRCHI	10:07:01	0.
AREA1_100YRCHI	10:07:59	0.
AREA1_100YRCHI	10:09:00	0.
AREA1_100YRCHI	10:10:01	0.
AREA1_100YRCHI	10:10:59	0.
AREA1_100YRCHI	10:12:00	0.
AREA1_100YRCHI	10:13:01	0.
AREA1_100YRCHI	10:13:59	0.
AREA1_100YRCHI	10:15:00	0.
AREA1_100YRCHI	10:16:01	0.
AREA1_100YRCHI	10:16:59	0.
AREA1_100YRCHI	10:18:00	0.
AREA1_100YRCHI	10:19:01	0.
AREA1_100YRCHI	10:19:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	10:21:00	0.
AREA1_100YRCHI	10:22:01	0.
AREA1_100YRCHI	10:22:59	0.
AREA1_100YRCHI	10:24:00	0.
AREA1_100YRCHI	10:25:01	0.
AREA1_100YRCHI	10:25:59	0.
AREA1_100YRCHI	10:27:00	0.
AREA1_100YRCHI	10:28:01	0.
AREA1_100YRCHI	10:28:59	0.
AREA1_100YRCHI	10:30:00	0.
AREA1_100YRCHI	10:31:01	0.
AREA1_100YRCHI	10:31:59	0.
AREA1_100YRCHI	10:33:00	0.
AREA1_100YRCHI	10:34:01	0.
AREA1_100YRCHI	10:34:59	0.
AREA1_100YRCHI	10:36:00	0.
AREA1_100YRCHI	10:37:01	0.
AREA1_100YRCHI	10:37:59	0.
AREA1_100YRCHI	10:39:00	0.
AREA1_100YRCHI	10:40:01	0.
AREA1_100YRCHI	10:40:59	0.
AREA1_100YRCHI	10:42:00	0.
AREA1_100YRCHI	10:43:01	0.
AREA1_100YRCHI	10:43:59	0.
AREA1_100YRCHI	10:45:00	0.
AREA1_100YRCHI	10:46:01	0.
AREA1_100YRCHI	10:46:59	0.
AREA1_100YRCHI	10:48:00	0.
AREA1_100YRCHI	10:49:01	0.
AREA1_100YRCHI	10:49:59	0.
AREA1_100YRCHI	10:51:00	0.
AREA1_100YRCHI	10:52:01	0.
AREA1_100YRCHI	10:52:59	0.
AREA1_100YRCHI	10:54:00	0.
AREA1_100YRCHI	10:55:01	0.
AREA1_100YRCHI	10:55:59	0.
AREA1_100YRCHI	10:57:00	0.
AREA1_100YRCHI	10:58:01	0.
AREA1_100YRCHI	10:58:59	0.
AREA1_100YRCHI	11:00:00	0.
AREA1_100YRCHI	11:01:01	0.
AREA1_100YRCHI	11:01:59	0.
AREA1_100YRCHI	11:03:00	0.
AREA1_100YRCHI	11:04:01	0.
AREA1_100YRCHI	11:04:59	0.
AREA1_100YRCHI	11:06:00	0.
AREA1_100YRCHI	11:07:01	0.
AREA1_100YRCHI	11:07:59	0.
AREA1_100YRCHI	11:09:00	0.
AREA1_100YRCHI	11:10:01	0.
AREA1_100YRCHI	11:10:59	0.
AREA1_100YRCHI	11:12:00	0.
AREA1_100YRCHI	11:13:01	0.
AREA1_100YRCHI	11:13:59	0.
AREA1_100YRCHI	11:15:00	0.
AREA1_100YRCHI	11:16:01	0.
AREA1_100YRCHI	11:16:59	0.
AREA1_100YRCHI	11:18:00	0.
AREA1_100YRCHI	11:19:01	0.
AREA1_100YRCHI	11:19:59	0.
AREA1_100YRCHI	11:21:00	0.
AREA1_100YRCHI	11:22:01	0.
AREA1_100YRCHI	11:22:59	0.
AREA1_100YRCHI	11:24:00	0.
AREA1_100YRCHI	11:25:01	0.
AREA1_100YRCHI	11:25:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	11:27:00	0.
AREA1_100YRCHI	11:28:01	0.
AREA1_100YRCHI	11:28:59	0.
AREA1_100YRCHI	11:30:00	0.
AREA1_100YRCHI	11:31:01	0.
AREA1_100YRCHI	11:31:59	0.
AREA1_100YRCHI	11:33:00	0.
AREA1_100YRCHI	11:34:01	0.
AREA1_100YRCHI	11:34:59	0.
AREA1_100YRCHI	11:36:00	0.
AREA1_100YRCHI	11:37:01	0.
AREA1_100YRCHI	11:37:59	0.
AREA1_100YRCHI	11:39:00	0.
AREA1_100YRCHI	11:40:01	0.
AREA1_100YRCHI	11:40:59	0.
AREA1_100YRCHI	11:42:00	0.
AREA1_100YRCHI	11:43:01	0.
AREA1_100YRCHI	11:43:59	0.
AREA1_100YRCHI	11:45:00	0.
AREA1_100YRCHI	11:46:01	0.
AREA1_100YRCHI	11:46:59	0.
AREA1_100YRCHI	11:48:00	0.
AREA1_100YRCHI	11:49:01	0.
AREA1_100YRCHI	11:49:59	0.
AREA1_100YRCHI	11:51:00	0.
AREA1_100YRCHI	11:52:01	0.
AREA1_100YRCHI	11:52:59	0.
AREA1_100YRCHI	11:54:00	0.
AREA1_100YRCHI	11:55:01	0.
AREA1_100YRCHI	11:55:59	0.
AREA1_100YRCHI	11:57:00	0.
AREA1_100YRCHI	11:58:01	0.
AREA1_100YRCHI	11:58:59	0.
AREA1_100YRCHI	12:00:00	0.
AREA1_100YRCHI	12:01:01	0.
AREA1_100YRCHI	12:01:59	0.
AREA1_100YRCHI	12:03:00	0.
AREA1_100YRCHI	12:04:01	0.
AREA1_100YRCHI	12:04:59	0.
AREA1_100YRCHI	12:06:00	0.
AREA1_100YRCHI	12:07:01	0.
AREA1_100YRCHI	12:07:59	0.
AREA1_100YRCHI	12:09:00	0.
AREA1_100YRCHI	12:10:01	0.
AREA1_100YRCHI	12:10:59	0.
AREA1_100YRCHI	12:12:00	0.
AREA1_100YRCHI	12:13:01	0.
AREA1_100YRCHI	12:13:59	0.
AREA1_100YRCHI	12:15:00	0.
AREA1_100YRCHI	12:16:01	0.
AREA1_100YRCHI	12:16:59	0.
AREA1_100YRCHI	12:18:00	0.
AREA1_100YRCHI	12:19:01	0.
AREA1_100YRCHI	12:19:59	0.
AREA1_100YRCHI	12:21:00	0.
AREA1_100YRCHI	12:22:01	0.
AREA1_100YRCHI	12:22:59	0.
AREA1_100YRCHI	12:24:00	0.
AREA1_100YRCHI	12:25:01	0.
AREA1_100YRCHI	12:25:59	0.
AREA1_100YRCHI	12:27:00	0.
AREA1_100YRCHI	12:28:01	0.
AREA1_100YRCHI	12:28:59	0.
AREA1_100YRCHI	12:30:00	0.
AREA1_100YRCHI	12:31:01	0.
AREA1_100YRCHI	12:31:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	12:33:00	0.
AREA1_100YRCHI	12:34:01	0.
AREA1_100YRCHI	12:34:59	0.
AREA1_100YRCHI	12:36:00	0.
AREA1_100YRCHI	12:37:01	0.
AREA1_100YRCHI	12:37:59	0.
AREA1_100YRCHI	12:39:00	0.
AREA1_100YRCHI	12:40:01	0.
AREA1_100YRCHI	12:40:59	0.
AREA1_100YRCHI	12:42:00	0.
AREA1_100YRCHI	12:43:01	0.
AREA1_100YRCHI	12:43:59	0.
AREA1_100YRCHI	12:45:00	0.
AREA1_100YRCHI	12:46:01	0.
AREA1_100YRCHI	12:46:59	0.
AREA1_100YRCHI	12:48:00	0.
AREA1_100YRCHI	12:49:01	0.
AREA1_100YRCHI	12:49:59	0.
AREA1_100YRCHI	12:51:00	0.
AREA1_100YRCHI	12:52:01	0.
AREA1_100YRCHI	12:52:59	0.
AREA1_100YRCHI	12:54:00	0.
AREA1_100YRCHI	12:55:01	0.
AREA1_100YRCHI	12:55:59	0.
AREA1_100YRCHI	12:57:00	0.
AREA1_100YRCHI	12:58:01	0.
AREA1_100YRCHI	12:58:59	0.
AREA1_100YRCHI	13:00:00	0.
AREA1_100YRCHI	13:01:01	0.
AREA1_100YRCHI	13:01:59	0.
AREA1_100YRCHI	13:03:00	0.
AREA1_100YRCHI	13:04:01	0.
AREA1_100YRCHI	13:04:59	0.
AREA1_100YRCHI	13:06:00	0.
AREA1_100YRCHI	13:07:01	0.
AREA1_100YRCHI	13:07:59	0.
AREA1_100YRCHI	13:09:00	0.
AREA1_100YRCHI	13:10:01	0.
AREA1_100YRCHI	13:10:59	0.
AREA1_100YRCHI	13:12:00	0.
AREA1_100YRCHI	13:13:01	0.
AREA1_100YRCHI	13:13:59	0.
AREA1_100YRCHI	13:15:00	0.
AREA1_100YRCHI	13:16:01	0.
AREA1_100YRCHI	13:16:59	0.
AREA1_100YRCHI	13:18:00	0.
AREA1_100YRCHI	13:19:01	0.
AREA1_100YRCHI	13:19:59	0.
AREA1_100YRCHI	13:21:00	0.
AREA1_100YRCHI	13:22:01	0.
AREA1_100YRCHI	13:22:59	0.
AREA1_100YRCHI	13:24:00	0.
AREA1_100YRCHI	13:25:01	0.
AREA1_100YRCHI	13:25:59	0.
AREA1_100YRCHI	13:27:00	0.
AREA1_100YRCHI	13:28:01	0.
AREA1_100YRCHI	13:28:59	0.
AREA1_100YRCHI	13:30:00	0.
AREA1_100YRCHI	13:31:01	0.
AREA1_100YRCHI	13:31:59	0.
AREA1_100YRCHI	13:33:00	0.
AREA1_100YRCHI	13:34:01	0.
AREA1_100YRCHI	13:34:59	0.
AREA1_100YRCHI	13:36:00	0.
AREA1_100YRCHI	13:37:01	0.
AREA1_100YRCHI	13:37:59	0.

post\_pond2\_2017-06-09\_100chi.inp

AREA1_100YRCHI	13:39:00	0.
AREA1_100YRCHI	13:40:01	0.
AREA1_100YRCHI	13:40:59	0.
AREA1_100YRCHI	13:42:00	0.
AREA1_100YRCHI	13:43:01	0.
AREA1_100YRCHI	13:43:59	0.
AREA1_100YRCHI	13:45:00	0.
AREA1_100YRCHI	13:46:01	0.
AREA1_100YRCHI	13:46:59	0.
AREA1_100YRCHI	13:48:00	0.
AREA1_100YRCHI	13:49:01	0.
AREA1_100YRCHI	13:49:59	0.
AREA1_100YRCHI	13:51:00	0.
AREA1_100YRCHI	13:52:01	0.
AREA1_100YRCHI	13:52:59	0.
AREA1_100YRCHI	13:54:00	0.
AREA1_100YRCHI	13:55:01	0.
AREA1_100YRCHI	13:55:59	0.
AREA1_100YRCHI	13:57:00	0.
AREA1_100YRCHI	13:58:01	0.
AREA1_100YRCHI	13:58:59	0.
AREA1_100YRCHI	14:00:00	0.
AREA1_100YRCHI	14:01:01	0.
AREA1_100YRCHI	14:01:59	0.
AREA1_100YRCHI	14:03:00	0.
AREA1_100YRCHI	14:04:01	0.
AREA1_100YRCHI	14:04:59	0.
AREA1_100YRCHI	14:06:00	0.
AREA1_100YRCHI	14:07:01	0.
AREA1_100YRCHI	14:07:59	0.
AREA1_100YRCHI	14:09:00	0.
AREA1_100YRCHI	14:10:01	0.
AREA1_100YRCHI	14:10:59	0.
AREA1_100YRCHI	14:12:00	0.
AREA1_100YRCHI	14:13:01	0.
AREA1_100YRCHI	14:13:59	0.
AREA1_100YRCHI	14:15:00	0.
AREA1_100YRCHI	14:16:01	0.
AREA1_100YRCHI	14:16:59	0.
AREA1_100YRCHI	14:18:00	0.
AREA1_100YRCHI	14:19:01	0.
AREA2_100YRCHI	0:00:00	0.
AREA2_100YRCHI	0:01:01	0.
AREA2_100YRCHI	0:01:59	0.
AREA2_100YRCHI	0:03:00	0.
AREA2_100YRCHI	0:04:01	0.
AREA2_100YRCHI	0:04:59	0.
AREA2_100YRCHI	0:06:00	0.
AREA2_100YRCHI	0:07:01	0.
AREA2_100YRCHI	0:07:59	0.
AREA2_100YRCHI	0:09:00	0.
AREA2_100YRCHI	0:10:01	0.
AREA2_100YRCHI	0:10:59	0.
AREA2_100YRCHI	0:12:00	0.
AREA2_100YRCHI	0:13:01	0.
AREA2_100YRCHI	0:13:59	0.
AREA2_100YRCHI	0:15:00	0.
AREA2_100YRCHI	0:16:01	0.
AREA2_100YRCHI	0:16:59	0.
AREA2_100YRCHI	0:18:00	0.
AREA2_100YRCHI	0:19:01	0.
AREA2_100YRCHI	0:19:59	0.
AREA2_100YRCHI	0:21:00	0.
AREA2_100YRCHI	0:22:01	0.
AREA2_100YRCHI	0:22:59	0.



post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	0:24:00	0.
AREA2_100YRCHI	0:25:01	0.
AREA2_100YRCHI	0:25:59	0.
AREA2_100YRCHI	0:27:00	0.
AREA2_100YRCHI	0:28:01	0.
AREA2_100YRCHI	0:28:59	0.
AREA2_100YRCHI	0:30:00	0.
AREA2_100YRCHI	0:31:01	0.
AREA2_100YRCHI	0:31:59	0.
AREA2_100YRCHI	0:33:00	0.
AREA2_100YRCHI	0:34:01	0.
AREA2_100YRCHI	0:34:59	0.
AREA2_100YRCHI	0:36:00	0.
AREA2_100YRCHI	0:37:01	0.
AREA2_100YRCHI	0:37:59	.001
AREA2_100YRCHI	0:39:00	.001
AREA2_100YRCHI	0:40:01	.001
AREA2_100YRCHI	0:40:59	.001
AREA2_100YRCHI	0:42:00	.001
AREA2_100YRCHI	0:43:01	.001
AREA2_100YRCHI	0:43:59	.002
AREA2_100YRCHI	0:45:00	.002
AREA2_100YRCHI	0:46:01	.002
AREA2_100YRCHI	0:46:59	.003
AREA2_100YRCHI	0:48:00	.003
AREA2_100YRCHI	0:49:01	.004
AREA2_100YRCHI	0:49:59	.004
AREA2_100YRCHI	0:51:00	.005
AREA2_100YRCHI	0:52:01	.006
AREA2_100YRCHI	0:52:59	.007
AREA2_100YRCHI	0:54:00	.009
AREA2_100YRCHI	0:55:01	.011
AREA2_100YRCHI	0:55:59	.013
AREA2_100YRCHI	0:57:00	.016
AREA2_100YRCHI	0:58:01	.019
AREA2_100YRCHI	0:58:59	.023
AREA2_100YRCHI	1:00:00	.028
AREA2_100YRCHI	1:01:01	.034
AREA2_100YRCHI	1:01:59	.041
AREA2_100YRCHI	1:03:00	.049
AREA2_100YRCHI	1:04:01	.057
AREA2_100YRCHI	1:04:59	.066
AREA2_100YRCHI	1:06:00	.076
AREA2_100YRCHI	1:07:01	.087
AREA2_100YRCHI	1:07:59	.099
AREA2_100YRCHI	1:09:00	.112
AREA2_100YRCHI	1:10:01	.125
AREA2_100YRCHI	1:10:59	.14
AREA2_100YRCHI	1:12:00	.155
AREA2_100YRCHI	1:13:01	.171
AREA2_100YRCHI	1:13:59	.188
AREA2_100YRCHI	1:15:00	.206
AREA2_100YRCHI	1:16:01	.224
AREA2_100YRCHI	1:16:59	.243
AREA2_100YRCHI	1:18:00	.263
AREA2_100YRCHI	1:19:01	.284
AREA2_100YRCHI	1:19:59	.305
AREA2_100YRCHI	1:21:00	.327
AREA2_100YRCHI	1:22:01	.35
AREA2_100YRCHI	1:22:59	.373
AREA2_100YRCHI	1:24:00	.397
AREA2_100YRCHI	1:25:01	.422
AREA2_100YRCHI	1:25:59	.447
AREA2_100YRCHI	1:27:00	.473
AREA2_100YRCHI	1:28:01	.499
AREA2_100YRCHI	1:28:59	.526

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	1:30:00	.553
AREA2_100YRCHI	1:31:01	.581
AREA2_100YRCHI	1:31:59	.609
AREA2_100YRCHI	1:33:00	.638
AREA2_100YRCHI	1:34:01	.667
AREA2_100YRCHI	1:34:59	.697
AREA2_100YRCHI	1:36:00	.727
AREA2_100YRCHI	1:37:01	.757
AREA2_100YRCHI	1:37:59	.788
AREA2_100YRCHI	1:39:00	.819
AREA2_100YRCHI	1:40:01	.85
AREA2_100YRCHI	1:40:59	.882
AREA2_100YRCHI	1:42:00	.914
AREA2_100YRCHI	1:43:01	.946
AREA2_100YRCHI	1:43:59	.978
AREA2_100YRCHI	1:45:00	1.011
AREA2_100YRCHI	1:46:01	1.044
AREA2_100YRCHI	1:46:59	1.077
AREA2_100YRCHI	1:48:00	1.11
AREA2_100YRCHI	1:49:01	1.144
AREA2_100YRCHI	1:49:59	1.177
AREA2_100YRCHI	1:51:00	1.211
AREA2_100YRCHI	1:52:01	1.245
AREA2_100YRCHI	1:52:59	1.279
AREA2_100YRCHI	1:54:00	1.313
AREA2_100YRCHI	1:55:01	1.347
AREA2_100YRCHI	1:55:59	1.381
AREA2_100YRCHI	1:57:00	1.416
AREA2_100YRCHI	1:58:01	1.45
AREA2_100YRCHI	1:58:59	1.485
AREA2_100YRCHI	2:00:00	1.519
AREA2_100YRCHI	2:01:01	1.553
AREA2_100YRCHI	2:01:59	1.588
AREA2_100YRCHI	2:03:00	1.622
AREA2_100YRCHI	2:04:01	1.656
AREA2_100YRCHI	2:04:59	1.691
AREA2_100YRCHI	2:06:00	1.725
AREA2_100YRCHI	2:07:01	1.759
AREA2_100YRCHI	2:07:59	1.793
AREA2_100YRCHI	2:09:00	1.828
AREA2_100YRCHI	2:10:01	1.861
AREA2_100YRCHI	2:10:59	1.895
AREA2_100YRCHI	2:12:00	1.929
AREA2_100YRCHI	2:13:01	1.963
AREA2_100YRCHI	2:13:59	1.996
AREA2_100YRCHI	2:15:00	2.03
AREA2_100YRCHI	2:16:01	2.063
AREA2_100YRCHI	2:16:59	2.096
AREA2_100YRCHI	2:18:00	2.129
AREA2_100YRCHI	2:19:01	2.162
AREA2_100YRCHI	2:19:59	2.194
AREA2_100YRCHI	2:21:00	2.227
AREA2_100YRCHI	2:22:01	2.259
AREA2_100YRCHI	2:22:59	2.291
AREA2_100YRCHI	2:24:00	2.323
AREA2_100YRCHI	2:25:01	2.355
AREA2_100YRCHI	2:25:59	2.386
AREA2_100YRCHI	2:27:00	2.417
AREA2_100YRCHI	2:28:01	2.448
AREA2_100YRCHI	2:28:59	2.479
AREA2_100YRCHI	2:30:00	2.51
AREA2_100YRCHI	2:31:01	2.54
AREA2_100YRCHI	2:31:59	2.57
AREA2_100YRCHI	2:33:00	2.6
AREA2_100YRCHI	2:34:01	2.63
AREA2_100YRCHI	2:34:59	2.659

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	2:36:00	2.688
AREA2_100YRCHI	2:37:01	2.717
AREA2_100YRCHI	2:37:59	2.745
AREA2_100YRCHI	2:39:00	2.774
AREA2_100YRCHI	2:40:01	2.802
AREA2_100YRCHI	2:40:59	2.829
AREA2_100YRCHI	2:42:00	2.857
AREA2_100YRCHI	2:43:01	2.884
AREA2_100YRCHI	2:43:59	2.911
AREA2_100YRCHI	2:45:00	2.937
AREA2_100YRCHI	2:46:01	2.964
AREA2_100YRCHI	2:46:59	2.99
AREA2_100YRCHI	2:48:00	3.015
AREA2_100YRCHI	2:49:01	3.041
AREA2_100YRCHI	2:49:59	3.066
AREA2_100YRCHI	2:51:00	3.091
AREA2_100YRCHI	2:52:01	3.115
AREA2_100YRCHI	2:52:59	3.139
AREA2_100YRCHI	2:54:00	3.163
AREA2_100YRCHI	2:55:01	3.187
AREA2_100YRCHI	2:55:59	3.21
AREA2_100YRCHI	2:57:00	3.233
AREA2_100YRCHI	2:58:01	3.256
AREA2_100YRCHI	2:58:59	3.278
AREA2_100YRCHI	3:00:00	3.3
AREA2_100YRCHI	3:01:01	3.322
AREA2_100YRCHI	3:01:59	3.343
AREA2_100YRCHI	3:03:00	3.364
AREA2_100YRCHI	3:04:01	3.385
AREA2_100YRCHI	3:04:59	3.405
AREA2_100YRCHI	3:06:00	3.425
AREA2_100YRCHI	3:07:01	3.445
AREA2_100YRCHI	3:07:59	3.464
AREA2_100YRCHI	3:09:00	3.484
AREA2_100YRCHI	3:10:01	3.502
AREA2_100YRCHI	3:10:59	3.521
AREA2_100YRCHI	3:12:00	3.539
AREA2_100YRCHI	3:13:01	3.556
AREA2_100YRCHI	3:13:59	3.574
AREA2_100YRCHI	3:15:00	3.591
AREA2_100YRCHI	3:16:01	3.607
AREA2_100YRCHI	3:16:59	3.623
AREA2_100YRCHI	3:18:00	3.639
AREA2_100YRCHI	3:19:01	3.655
AREA2_100YRCHI	3:19:59	3.67
AREA2_100YRCHI	3:21:00	3.685
AREA2_100YRCHI	3:22:01	3.699
AREA2_100YRCHI	3:22:59	3.713
AREA2_100YRCHI	3:24:00	3.727
AREA2_100YRCHI	3:25:01	3.74
AREA2_100YRCHI	3:25:59	3.753
AREA2_100YRCHI	3:27:00	3.766
AREA2_100YRCHI	3:28:01	3.778
AREA2_100YRCHI	3:28:59	3.79
AREA2_100YRCHI	3:30:00	3.802
AREA2_100YRCHI	3:31:01	3.813
AREA2_100YRCHI	3:31:59	3.824
AREA2_100YRCHI	3:33:00	3.834
AREA2_100YRCHI	3:34:01	3.844
AREA2_100YRCHI	3:34:59	3.854
AREA2_100YRCHI	3:36:00	3.863
AREA2_100YRCHI	3:37:01	3.872
AREA2_100YRCHI	3:37:59	3.881
AREA2_100YRCHI	3:39:00	3.89
AREA2_100YRCHI	3:40:01	3.898
AREA2_100YRCHI	3:40:59	3.905

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	3:42:00	3.913
AREA2_100YRCHI	3:43:01	3.92
AREA2_100YRCHI	3:43:59	3.926
AREA2_100YRCHI	3:45:00	3.933
AREA2_100YRCHI	3:46:01	3.939
AREA2_100YRCHI	3:46:59	3.944
AREA2_100YRCHI	3:48:00	3.95
AREA2_100YRCHI	3:49:01	3.955
AREA2_100YRCHI	3:49:59	3.959
AREA2_100YRCHI	3:51:00	3.964
AREA2_100YRCHI	3:52:01	3.968
AREA2_100YRCHI	3:52:59	3.971
AREA2_100YRCHI	3:54:00	3.975
AREA2_100YRCHI	3:55:01	3.978
AREA2_100YRCHI	3:55:59	3.981
AREA2_100YRCHI	3:57:00	3.983
AREA2_100YRCHI	3:58:01	3.985
AREA2_100YRCHI	3:58:59	3.987
AREA2_100YRCHI	4:00:00	3.989
AREA2_100YRCHI	4:01:01	3.99
AREA2_100YRCHI	4:01:59	3.991
AREA2_100YRCHI	4:03:00	3.992
AREA2_100YRCHI	4:04:01	3.992
AREA2_100YRCHI	4:04:59	3.992
AREA2_100YRCHI	4:06:00	3.992
AREA2_100YRCHI	4:07:01	3.992
AREA2_100YRCHI	4:07:59	3.991
AREA2_100YRCHI	4:09:00	3.99
AREA2_100YRCHI	4:10:01	3.989
AREA2_100YRCHI	4:10:59	3.987
AREA2_100YRCHI	4:12:00	3.985
AREA2_100YRCHI	4:13:01	3.983
AREA2_100YRCHI	4:13:59	3.981
AREA2_100YRCHI	4:15:00	3.978
AREA2_100YRCHI	4:16:01	3.976
AREA2_100YRCHI	4:16:59	3.973
AREA2_100YRCHI	4:18:00	3.969
AREA2_100YRCHI	4:19:01	3.966
AREA2_100YRCHI	4:19:59	3.962
AREA2_100YRCHI	4:21:00	3.958
AREA2_100YRCHI	4:22:01	3.954
AREA2_100YRCHI	4:22:59	3.949
AREA2_100YRCHI	4:24:00	3.944
AREA2_100YRCHI	4:25:01	3.94
AREA2_100YRCHI	4:25:59	3.934
AREA2_100YRCHI	4:27:00	3.929
AREA2_100YRCHI	4:28:01	3.923
AREA2_100YRCHI	4:28:59	3.918
AREA2_100YRCHI	4:30:00	3.912
AREA2_100YRCHI	4:31:01	3.905
AREA2_100YRCHI	4:31:59	3.899
AREA2_100YRCHI	4:33:00	3.892
AREA2_100YRCHI	4:34:01	3.885
AREA2_100YRCHI	4:34:59	3.878
AREA2_100YRCHI	4:36:00	3.871
AREA2_100YRCHI	4:37:01	3.864
AREA2_100YRCHI	4:37:59	3.856
AREA2_100YRCHI	4:39:00	3.849
AREA2_100YRCHI	4:40:01	3.841
AREA2_100YRCHI	4:40:59	3.832
AREA2_100YRCHI	4:42:00	3.824
AREA2_100YRCHI	4:43:01	3.816
AREA2_100YRCHI	4:43:59	3.807
AREA2_100YRCHI	4:45:00	3.798
AREA2_100YRCHI	4:46:01	3.789
AREA2_100YRCHI	4:46:59	3.78

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	4:48:00	3.771
AREA2_100YRCHI	4:49:01	3.762
AREA2_100YRCHI	4:49:59	3.752
AREA2_100YRCHI	4:51:00	3.742
AREA2_100YRCHI	4:52:01	3.733
AREA2_100YRCHI	4:52:59	3.723
AREA2_100YRCHI	4:54:00	3.712
AREA2_100YRCHI	4:55:01	3.702
AREA2_100YRCHI	4:55:59	3.692
AREA2_100YRCHI	4:57:00	3.681
AREA2_100YRCHI	4:58:01	3.671
AREA2_100YRCHI	4:58:59	3.66
AREA2_100YRCHI	5:00:00	3.649
AREA2_100YRCHI	5:01:01	3.638
AREA2_100YRCHI	5:01:59	3.627
AREA2_100YRCHI	5:03:00	3.615
AREA2_100YRCHI	5:04:01	3.604
AREA2_100YRCHI	5:04:59	3.593
AREA2_100YRCHI	5:06:00	3.581
AREA2_100YRCHI	5:07:01	3.569
AREA2_100YRCHI	5:07:59	3.558
AREA2_100YRCHI	5:09:00	3.546
AREA2_100YRCHI	5:10:01	3.534
AREA2_100YRCHI	5:10:59	3.522
AREA2_100YRCHI	5:12:00	3.509
AREA2_100YRCHI	5:13:01	3.497
AREA2_100YRCHI	5:13:59	3.485
AREA2_100YRCHI	5:15:00	3.472
AREA2_100YRCHI	5:16:01	3.46
AREA2_100YRCHI	5:16:59	3.447
AREA2_100YRCHI	5:18:00	3.434
AREA2_100YRCHI	5:19:01	3.422
AREA2_100YRCHI	5:19:59	3.409
AREA2_100YRCHI	5:21:00	3.396
AREA2_100YRCHI	5:22:01	3.383
AREA2_100YRCHI	5:22:59	3.37
AREA2_100YRCHI	5:24:00	3.357
AREA2_100YRCHI	5:25:01	3.344
AREA2_100YRCHI	5:25:59	3.33
AREA2_100YRCHI	5:27:00	3.317
AREA2_100YRCHI	5:28:01	3.304
AREA2_100YRCHI	5:28:59	3.29
AREA2_100YRCHI	5:30:00	3.277
AREA2_100YRCHI	5:31:01	3.263
AREA2_100YRCHI	5:31:59	3.25
AREA2_100YRCHI	5:33:00	3.236
AREA2_100YRCHI	5:34:01	3.222
AREA2_100YRCHI	5:34:59	3.209
AREA2_100YRCHI	5:36:00	3.195
AREA2_100YRCHI	5:37:01	3.181
AREA2_100YRCHI	5:37:59	3.167
AREA2_100YRCHI	5:39:00	3.154
AREA2_100YRCHI	5:40:01	3.14
AREA2_100YRCHI	5:40:59	3.126
AREA2_100YRCHI	5:42:00	3.112
AREA2_100YRCHI	5:43:01	3.098
AREA2_100YRCHI	5:43:59	3.084
AREA2_100YRCHI	5:45:00	3.07
AREA2_100YRCHI	5:46:01	3.056
AREA2_100YRCHI	5:46:59	3.041
AREA2_100YRCHI	5:48:00	3.027
AREA2_100YRCHI	5:49:01	3.013
AREA2_100YRCHI	5:49:59	2.999
AREA2_100YRCHI	5:51:00	2.985
AREA2_100YRCHI	5:52:01	2.971
AREA2_100YRCHI	5:52:59	2.956

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	5:54:00	2.942
AREA2_100YRCHI	5:55:01	2.928
AREA2_100YRCHI	5:55:59	2.914
AREA2_100YRCHI	5:57:00	2.899
AREA2_100YRCHI	5:58:01	2.885
AREA2_100YRCHI	5:58:59	2.871
AREA2_100YRCHI	6:00:00	2.857
AREA2_100YRCHI	6:01:01	2.842
AREA2_100YRCHI	6:01:59	2.828
AREA2_100YRCHI	6:03:00	2.814
AREA2_100YRCHI	6:04:01	2.799
AREA2_100YRCHI	6:04:59	2.785
AREA2_100YRCHI	6:06:00	2.771
AREA2_100YRCHI	6:07:01	2.757
AREA2_100YRCHI	6:07:59	2.742
AREA2_100YRCHI	6:09:00	2.728
AREA2_100YRCHI	6:10:01	2.714
AREA2_100YRCHI	6:10:59	2.699
AREA2_100YRCHI	6:12:00	2.685
AREA2_100YRCHI	6:13:01	2.671
AREA2_100YRCHI	6:13:59	2.657
AREA2_100YRCHI	6:15:00	2.643
AREA2_100YRCHI	6:16:01	2.628
AREA2_100YRCHI	6:16:59	2.614
AREA2_100YRCHI	6:18:00	2.6
AREA2_100YRCHI	6:19:01	2.586
AREA2_100YRCHI	6:19:59	2.572
AREA2_100YRCHI	6:21:00	2.558
AREA2_100YRCHI	6:22:01	2.543
AREA2_100YRCHI	6:22:59	2.529
AREA2_100YRCHI	6:24:00	2.515
AREA2_100YRCHI	6:25:01	2.501
AREA2_100YRCHI	6:25:59	2.487
AREA2_100YRCHI	6:27:00	2.473
AREA2_100YRCHI	6:28:01	2.459
AREA2_100YRCHI	6:28:59	2.445
AREA2_100YRCHI	6:30:00	2.431
AREA2_100YRCHI	6:31:01	2.418
AREA2_100YRCHI	6:31:59	2.404
AREA2_100YRCHI	6:33:00	2.39
AREA2_100YRCHI	6:34:01	2.376
AREA2_100YRCHI	6:34:59	2.362
AREA2_100YRCHI	6:36:00	2.349
AREA2_100YRCHI	6:37:01	2.335
AREA2_100YRCHI	6:37:59	2.321
AREA2_100YRCHI	6:39:00	2.308
AREA2_100YRCHI	6:40:01	2.294
AREA2_100YRCHI	6:40:59	2.28
AREA2_100YRCHI	6:42:00	2.267
AREA2_100YRCHI	6:43:01	2.253
AREA2_100YRCHI	6:43:59	2.24
AREA2_100YRCHI	6:45:00	2.226
AREA2_100YRCHI	6:46:01	2.213
AREA2_100YRCHI	6:46:59	2.2
AREA2_100YRCHI	6:48:00	2.186
AREA2_100YRCHI	6:49:01	2.173
AREA2_100YRCHI	6:49:59	2.16
AREA2_100YRCHI	6:51:00	2.147
AREA2_100YRCHI	6:52:01	2.134
AREA2_100YRCHI	6:52:59	2.12
AREA2_100YRCHI	6:54:00	2.107
AREA2_100YRCHI	6:55:01	2.094
AREA2_100YRCHI	6:55:59	2.081
AREA2_100YRCHI	6:57:00	2.068
AREA2_100YRCHI	6:58:01	2.055
AREA2_100YRCHI	6:58:59	2.043

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	7:00:00	2.03
AREA2_100YRCHI	7:01:01	2.017
AREA2_100YRCHI	7:01:59	2.004
AREA2_100YRCHI	7:03:00	1.992
AREA2_100YRCHI	7:04:01	1.979
AREA2_100YRCHI	7:04:59	1.966
AREA2_100YRCHI	7:06:00	1.954
AREA2_100YRCHI	7:07:01	1.941
AREA2_100YRCHI	7:07:59	1.929
AREA2_100YRCHI	7:09:00	1.916
AREA2_100YRCHI	7:10:01	1.904
AREA2_100YRCHI	7:10:59	1.892
AREA2_100YRCHI	7:12:00	1.879
AREA2_100YRCHI	7:13:01	1.867
AREA2_100YRCHI	7:13:59	1.855
AREA2_100YRCHI	7:15:00	1.843
AREA2_100YRCHI	7:16:01	1.831
AREA2_100YRCHI	7:16:59	1.819
AREA2_100YRCHI	7:18:00	1.807
AREA2_100YRCHI	7:19:01	1.795
AREA2_100YRCHI	7:19:59	1.783
AREA2_100YRCHI	7:21:00	1.771
AREA2_100YRCHI	7:22:01	1.759
AREA2_100YRCHI	7:22:59	1.748
AREA2_100YRCHI	7:24:00	1.736
AREA2_100YRCHI	7:25:01	1.724
AREA2_100YRCHI	7:25:59	1.713
AREA2_100YRCHI	7:27:00	1.701
AREA2_100YRCHI	7:28:01	1.69
AREA2_100YRCHI	7:28:59	1.678
AREA2_100YRCHI	7:30:00	1.667
AREA2_100YRCHI	7:31:01	1.656
AREA2_100YRCHI	7:31:59	1.645
AREA2_100YRCHI	7:33:00	1.633
AREA2_100YRCHI	7:34:01	1.622
AREA2_100YRCHI	7:34:59	1.611
AREA2_100YRCHI	7:36:00	1.6
AREA2_100YRCHI	7:37:01	1.589
AREA2_100YRCHI	7:37:59	1.578
AREA2_100YRCHI	7:39:00	1.567
AREA2_100YRCHI	7:40:01	1.556
AREA2_100YRCHI	7:40:59	1.546
AREA2_100YRCHI	7:42:00	1.535
AREA2_100YRCHI	7:43:01	1.524
AREA2_100YRCHI	7:43:59	1.513
AREA2_100YRCHI	7:45:00	1.503
AREA2_100YRCHI	7:46:01	1.492
AREA2_100YRCHI	7:46:59	1.482
AREA2_100YRCHI	7:48:00	1.472
AREA2_100YRCHI	7:49:01	1.461
AREA2_100YRCHI	7:49:59	1.451
AREA2_100YRCHI	7:51:00	1.441
AREA2_100YRCHI	7:52:01	1.43
AREA2_100YRCHI	7:52:59	1.42
AREA2_100YRCHI	7:54:00	1.41
AREA2_100YRCHI	7:55:01	1.4
AREA2_100YRCHI	7:55:59	1.39
AREA2_100YRCHI	7:57:00	1.38
AREA2_100YRCHI	7:58:01	1.37
AREA2_100YRCHI	7:58:59	1.36
AREA2_100YRCHI	8:00:00	1.351
AREA2_100YRCHI	8:01:01	1.341
AREA2_100YRCHI	8:01:59	1.331
AREA2_100YRCHI	8:03:00	1.322
AREA2_100YRCHI	8:04:01	1.312
AREA2_100YRCHI	8:04:59	1.303

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	8:06:00	1.293
AREA2_100YRCHI	8:07:01	1.284
AREA2_100YRCHI	8:07:59	1.274
AREA2_100YRCHI	8:09:00	1.265
AREA2_100YRCHI	8:10:01	1.256
AREA2_100YRCHI	8:10:59	1.247
AREA2_100YRCHI	8:12:00	1.237
AREA2_100YRCHI	8:13:01	1.228
AREA2_100YRCHI	8:13:59	1.219
AREA2_100YRCHI	8:15:00	1.21
AREA2_100YRCHI	8:16:01	1.201
AREA2_100YRCHI	8:16:59	1.192
AREA2_100YRCHI	8:18:00	1.184
AREA2_100YRCHI	8:19:01	1.175
AREA2_100YRCHI	8:19:59	1.166
AREA2_100YRCHI	8:21:00	1.157
AREA2_100YRCHI	8:22:01	1.149
AREA2_100YRCHI	8:22:59	1.14
AREA2_100YRCHI	8:24:00	1.132
AREA2_100YRCHI	8:25:01	1.123
AREA2_100YRCHI	8:25:59	1.115
AREA2_100YRCHI	8:27:00	1.106
AREA2_100YRCHI	8:28:01	1.098
AREA2_100YRCHI	8:28:59	1.09
AREA2_100YRCHI	8:30:00	1.082
AREA2_100YRCHI	8:31:01	1.073
AREA2_100YRCHI	8:31:59	1.065
AREA2_100YRCHI	8:33:00	1.057
AREA2_100YRCHI	8:34:01	1.049
AREA2_100YRCHI	8:34:59	1.041
AREA2_100YRCHI	8:36:00	1.033
AREA2_100YRCHI	8:37:01	1.025
AREA2_100YRCHI	8:37:59	1.017
AREA2_100YRCHI	8:39:00	1.01
AREA2_100YRCHI	8:40:01	1.002
AREA2_100YRCHI	8:40:59	.994
AREA2_100YRCHI	8:42:00	.987
AREA2_100YRCHI	8:43:01	.979
AREA2_100YRCHI	8:43:59	.972
AREA2_100YRCHI	8:45:00	.964
AREA2_100YRCHI	8:46:01	.957
AREA2_100YRCHI	8:46:59	.949
AREA2_100YRCHI	8:48:00	.942
AREA2_100YRCHI	8:49:01	.935
AREA2_100YRCHI	8:49:59	.927
AREA2_100YRCHI	8:51:00	.92
AREA2_100YRCHI	8:52:01	.913
AREA2_100YRCHI	8:52:59	.906
AREA2_100YRCHI	8:54:00	.899
AREA2_100YRCHI	8:55:01	.892
AREA2_100YRCHI	8:55:59	.885
AREA2_100YRCHI	8:57:00	.878
AREA2_100YRCHI	8:58:01	.871
AREA2_100YRCHI	8:58:59	.864
AREA2_100YRCHI	9:00:00	.857
AREA2_100YRCHI	9:01:01	.851
AREA2_100YRCHI	9:01:59	.844
AREA2_100YRCHI	9:03:00	.837
AREA2_100YRCHI	9:04:01	.831
AREA2_100YRCHI	9:04:59	.824
AREA2_100YRCHI	9:06:00	.817
AREA2_100YRCHI	9:07:01	.811
AREA2_100YRCHI	9:07:59	.805
AREA2_100YRCHI	9:09:00	.798
AREA2_100YRCHI	9:10:01	.792
AREA2_100YRCHI	9:10:59	.785



post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	9:12:00	.779
AREA2_100YRCHI	9:13:01	.773
AREA2_100YRCHI	9:13:59	.767
AREA2_100YRCHI	9:15:00	.761
AREA2_100YRCHI	9:16:01	.755
AREA2_100YRCHI	9:16:59	.749
AREA2_100YRCHI	9:18:00	.743
AREA2_100YRCHI	9:19:01	.737
AREA2_100YRCHI	9:19:59	.731
AREA2_100YRCHI	9:21:00	.725
AREA2_100YRCHI	9:22:01	.719
AREA2_100YRCHI	9:22:59	.713
AREA2_100YRCHI	9:24:00	.707
AREA2_100YRCHI	9:25:01	.702
AREA2_100YRCHI	9:25:59	.696
AREA2_100YRCHI	9:27:00	.69
AREA2_100YRCHI	9:28:01	.685
AREA2_100YRCHI	9:28:59	.679
AREA2_100YRCHI	9:30:00	.674
AREA2_100YRCHI	9:31:01	.668
AREA2_100YRCHI	9:31:59	.663
AREA2_100YRCHI	9:33:00	.657
AREA2_100YRCHI	9:34:01	.652
AREA2_100YRCHI	9:34:59	.647
AREA2_100YRCHI	9:36:00	.641
AREA2_100YRCHI	9:37:01	.636
AREA2_100YRCHI	9:37:59	.631
AREA2_100YRCHI	9:39:00	.626
AREA2_100YRCHI	9:40:01	.62
AREA2_100YRCHI	9:40:59	.615
AREA2_100YRCHI	9:42:00	.61
AREA2_100YRCHI	9:43:01	.605
AREA2_100YRCHI	9:43:59	.6
AREA2_100YRCHI	9:45:00	.595
AREA2_100YRCHI	9:46:01	.59
AREA2_100YRCHI	9:46:59	.585
AREA2_100YRCHI	9:48:00	.581
AREA2_100YRCHI	9:49:01	.576
AREA2_100YRCHI	9:49:59	.571
AREA2_100YRCHI	9:51:00	.566
AREA2_100YRCHI	9:52:01	.562
AREA2_100YRCHI	9:52:59	.557
AREA2_100YRCHI	9:54:00	.552
AREA2_100YRCHI	9:55:01	.548
AREA2_100YRCHI	9:55:59	.543
AREA2_100YRCHI	9:57:00	.539
AREA2_100YRCHI	9:58:01	.534
AREA2_100YRCHI	9:58:59	.53
AREA2_100YRCHI	10:00:00	.525
AREA2_100YRCHI	10:01:01	.521
AREA2_100YRCHI	10:01:59	.516
AREA2_100YRCHI	10:03:00	.512
AREA2_100YRCHI	10:04:01	.508
AREA2_100YRCHI	10:04:59	.503
AREA2_100YRCHI	10:06:00	.499
AREA2_100YRCHI	10:07:01	.495
AREA2_100YRCHI	10:07:59	.491
AREA2_100YRCHI	10:09:00	.487
AREA2_100YRCHI	10:10:01	.483
AREA2_100YRCHI	10:10:59	.478
AREA2_100YRCHI	10:12:00	.474
AREA2_100YRCHI	10:13:01	.47
AREA2_100YRCHI	10:13:59	.466
AREA2_100YRCHI	10:15:00	.462
AREA2_100YRCHI	10:16:01	.458
AREA2_100YRCHI	10:16:59	.455

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	10:18:00	.451
AREA2_100YRCHI	10:19:01	.447
AREA2_100YRCHI	10:19:59	.443
AREA2_100YRCHI	10:21:00	.439
AREA2_100YRCHI	10:22:01	.436
AREA2_100YRCHI	10:22:59	.432
AREA2_100YRCHI	10:24:00	.428
AREA2_100YRCHI	10:25:01	.424
AREA2_100YRCHI	10:25:59	.421
AREA2_100YRCHI	10:27:00	.417
AREA2_100YRCHI	10:28:01	.414
AREA2_100YRCHI	10:28:59	.41
AREA2_100YRCHI	10:30:00	.407
AREA2_100YRCHI	10:31:01	.403
AREA2_100YRCHI	10:31:59	.4
AREA2_100YRCHI	10:33:00	.396
AREA2_100YRCHI	10:34:01	.393
AREA2_100YRCHI	10:34:59	.389
AREA2_100YRCHI	10:36:00	.386
AREA2_100YRCHI	10:37:01	.383
AREA2_100YRCHI	10:37:59	.379
AREA2_100YRCHI	10:39:00	.376
AREA2_100YRCHI	10:40:01	.373
AREA2_100YRCHI	10:40:59	.37
AREA2_100YRCHI	10:42:00	.366
AREA2_100YRCHI	10:43:01	.363
AREA2_100YRCHI	10:43:59	.36
AREA2_100YRCHI	10:45:00	.357
AREA2_100YRCHI	10:46:01	.354
AREA2_100YRCHI	10:46:59	.351
AREA2_100YRCHI	10:48:00	.348
AREA2_100YRCHI	10:49:01	.345
AREA2_100YRCHI	10:49:59	.342
AREA2_100YRCHI	10:51:00	.339
AREA2_100YRCHI	10:52:01	.336
AREA2_100YRCHI	10:52:59	.333
AREA2_100YRCHI	10:54:00	.33
AREA2_100YRCHI	10:55:01	.327
AREA2_100YRCHI	10:55:59	.324
AREA2_100YRCHI	10:57:00	.321
AREA2_100YRCHI	10:58:01	.318
AREA2_100YRCHI	10:58:59	.316
AREA2_100YRCHI	11:00:00	.313
AREA2_100YRCHI	11:01:01	.31
AREA2_100YRCHI	11:01:59	.307
AREA2_100YRCHI	11:03:00	.305
AREA2_100YRCHI	11:04:01	.302
AREA2_100YRCHI	11:04:59	.299
AREA2_100YRCHI	11:06:00	.297
AREA2_100YRCHI	11:07:01	.294
AREA2_100YRCHI	11:07:59	.291
AREA2_100YRCHI	11:09:00	.289
AREA2_100YRCHI	11:10:01	.286
AREA2_100YRCHI	11:10:59	.284
AREA2_100YRCHI	11:12:00	.281
AREA2_100YRCHI	11:13:01	.279
AREA2_100YRCHI	11:13:59	.276
AREA2_100YRCHI	11:15:00	.274
AREA2_100YRCHI	11:16:01	.271
AREA2_100YRCHI	11:16:59	.269
AREA2_100YRCHI	11:18:00	.267
AREA2_100YRCHI	11:19:01	.264
AREA2_100YRCHI	11:19:59	.262
AREA2_100YRCHI	11:21:00	.26
AREA2_100YRCHI	11:22:01	.257
AREA2_100YRCHI	11:22:59	.255

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	11:24:00	.253
AREA2_100YRCHI	11:25:01	.25
AREA2_100YRCHI	11:25:59	.248
AREA2_100YRCHI	11:27:00	.246
AREA2_100YRCHI	11:28:01	.244
AREA2_100YRCHI	11:28:59	.242
AREA2_100YRCHI	11:30:00	.239
AREA2_100YRCHI	11:31:01	.237
AREA2_100YRCHI	11:31:59	.235
AREA2_100YRCHI	11:33:00	.233
AREA2_100YRCHI	11:34:01	.231
AREA2_100YRCHI	11:34:59	.229
AREA2_100YRCHI	11:36:00	.227
AREA2_100YRCHI	11:37:01	.225
AREA2_100YRCHI	11:37:59	.223
AREA2_100YRCHI	11:39:00	.221
AREA2_100YRCHI	11:40:01	.219
AREA2_100YRCHI	11:40:59	.217
AREA2_100YRCHI	11:42:00	.215
AREA2_100YRCHI	11:43:01	.213
AREA2_100YRCHI	11:43:59	.211
AREA2_100YRCHI	11:45:00	.209
AREA2_100YRCHI	11:46:01	.207
AREA2_100YRCHI	11:46:59	.205
AREA2_100YRCHI	11:48:00	.203
AREA2_100YRCHI	11:49:01	.201
AREA2_100YRCHI	11:49:59	.199
AREA2_100YRCHI	11:51:00	.198
AREA2_100YRCHI	11:52:01	.196
AREA2_100YRCHI	11:52:59	.194
AREA2_100YRCHI	11:54:00	.192
AREA2_100YRCHI	11:55:01	.19
AREA2_100YRCHI	11:55:59	.188
AREA2_100YRCHI	11:57:00	.187
AREA2_100YRCHI	11:58:01	.185
AREA2_100YRCHI	11:58:59	.183
AREA2_100YRCHI	12:00:00	.181
AREA2_100YRCHI	12:01:01	.179
AREA2_100YRCHI	12:01:59	.177
AREA2_100YRCHI	12:03:00	.175
AREA2_100YRCHI	12:04:01	.173
AREA2_100YRCHI	12:04:59	.171
AREA2_100YRCHI	12:06:00	.169
AREA2_100YRCHI	12:07:01	.167
AREA2_100YRCHI	12:07:59	.165
AREA2_100YRCHI	12:09:00	.163
AREA2_100YRCHI	12:10:01	.161
AREA2_100YRCHI	12:10:59	.156
AREA2_100YRCHI	12:12:00	.151
AREA2_100YRCHI	12:13:01	.146
AREA2_100YRCHI	12:13:59	.14
AREA2_100YRCHI	12:15:00	.134
AREA2_100YRCHI	12:16:01	.128
AREA2_100YRCHI	12:16:59	.121
AREA2_100YRCHI	12:18:00	.114
AREA2_100YRCHI	12:19:01	.108
AREA2_100YRCHI	12:19:59	.1
AREA2_100YRCHI	12:21:00	.098
AREA2_100YRCHI	12:22:01	.095
AREA2_100YRCHI	12:22:59	.092
AREA2_100YRCHI	12:24:00	.089
AREA2_100YRCHI	12:25:01	.086
AREA2_100YRCHI	12:25:59	.084
AREA2_100YRCHI	12:27:00	.081
AREA2_100YRCHI	12:28:01	.078
AREA2_100YRCHI	12:28:59	.075

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI	12:30:00	.072
AREA2_100YRCHI	12:31:01	.071
AREA2_100YRCHI	12:31:59	.069
AREA2_100YRCHI	12:33:00	.067
AREA2_100YRCHI	12:34:01	.066
AREA2_100YRCHI	12:34:59	.064
AREA2_100YRCHI	12:36:00	.062
AREA2_100YRCHI	12:37:01	.061
AREA2_100YRCHI	12:37:59	.059
AREA2_100YRCHI	12:39:00	.057
AREA2_100YRCHI	12:40:01	.056
AREA2_100YRCHI	12:40:59	.055
AREA2_100YRCHI	12:42:00	.053
AREA2_100YRCHI	12:43:01	.052
AREA2_100YRCHI	12:43:59	.051
AREA2_100YRCHI	12:45:00	.05
AREA2_100YRCHI	12:46:01	.049
AREA2_100YRCHI	12:46:59	.047
AREA2_100YRCHI	12:48:00	.046
AREA2_100YRCHI	12:49:01	.045
AREA2_100YRCHI	12:49:59	.044
AREA2_100YRCHI	12:51:00	.043
AREA2_100YRCHI	12:52:01	.042
AREA2_100YRCHI	12:52:59	.041
AREA2_100YRCHI	12:54:00	.04
AREA2_100YRCHI	12:55:01	.039
AREA2_100YRCHI	12:55:59	.038
AREA2_100YRCHI	12:57:00	.037
AREA2_100YRCHI	12:58:01	.036
AREA2_100YRCHI	12:58:59	.036
AREA2_100YRCHI	13:00:00	.035
AREA2_100YRCHI	13:01:01	.034
AREA2_100YRCHI	13:01:59	.033
AREA2_100YRCHI	13:03:00	.032
AREA2_100YRCHI	13:04:01	.032
AREA2_100YRCHI	13:04:59	.031
AREA2_100YRCHI	13:06:00	.03
AREA2_100YRCHI	13:07:01	.029
AREA2_100YRCHI	13:07:59	.029
AREA2_100YRCHI	13:09:00	.028
AREA2_100YRCHI	13:10:01	.027
AREA2_100YRCHI	13:10:59	.027
AREA2_100YRCHI	13:12:00	.026
AREA2_100YRCHI	13:13:01	.025
AREA2_100YRCHI	13:13:59	.025
AREA2_100YRCHI	13:15:00	.024
AREA2_100YRCHI	13:16:01	.023
AREA2_100YRCHI	13:16:59	.023
AREA2_100YRCHI	13:18:00	.022
AREA2_100YRCHI	13:19:01	.022
AREA2_100YRCHI	13:19:59	.021
AREA2_100YRCHI	13:21:00	.02
AREA2_100YRCHI	13:22:01	.02
AREA2_100YRCHI	13:22:59	.019
AREA2_100YRCHI	13:24:00	.019
AREA2_100YRCHI	13:25:01	.018
AREA2_100YRCHI	13:25:59	.018
AREA2_100YRCHI	13:27:00	.017
AREA2_100YRCHI	13:28:01	.017
AREA2_100YRCHI	13:28:59	.016
AREA2_100YRCHI	13:30:00	.016
AREA2_100YRCHI	13:31:01	.015
AREA2_100YRCHI	13:31:59	.015
AREA2_100YRCHI	13:33:00	.015
AREA2_100YRCHI	13:34:01	.014
AREA2_100YRCHI	13:34:59	.014

post\_pond2\_2017-06-09\_100chi.inp

AREA2_100YRCHI		13:36:00	.013
AREA2_100YRCHI		13:37:01	.013
AREA2_100YRCHI		13:37:59	.012
AREA2_100YRCHI		13:39:00	.012
AREA2_100YRCHI		13:40:01	.012
AREA2_100YRCHI		13:40:59	.011
AREA2_100YRCHI		13:42:00	.011
AREA2_100YRCHI		13:43:01	.01
AREA2_100YRCHI		13:43:59	.01
AREA2_100YRCHI		13:45:00	.01
AREA2_100YRCHI		13:46:01	.009
AREA2_100YRCHI		13:46:59	.009
AREA2_100YRCHI		13:48:00	.009
AREA2_100YRCHI		13:49:01	.008
AREA2_100YRCHI		13:49:59	.008
AREA2_100YRCHI		13:51:00	.008
AREA2_100YRCHI		13:52:01	.007
AREA2_100YRCHI		13:52:59	.007
AREA2_100YRCHI		13:54:00	.007
AREA2_100YRCHI		13:55:01	.006
AREA2_100YRCHI		13:55:59	.006
AREA2_100YRCHI		13:57:00	.006
AREA2_100YRCHI		13:58:01	.005
AREA2_100YRCHI		13:58:59	.005
AREA2_100YRCHI		14:00:00	.005
AREA2_100YRCHI		14:01:01	.005
AREA2_100YRCHI		14:01:59	.004
AREA2_100YRCHI		14:03:00	.004
AREA2_100YRCHI		14:04:01	.004
AREA2_100YRCHI		14:04:59	.004
AREA2_100YRCHI		14:06:00	.003
AREA2_100YRCHI		14:07:01	.003
AREA2_100YRCHI		14:07:59	.003
AREA2_100YRCHI		14:09:00	.002
AREA2_100YRCHI		14:10:01	.002
AREA2_100YRCHI		14:10:59	.002
AREA2_100YRCHI		14:12:00	.002
AREA2_100YRCHI		14:13:01	.002
AREA2_100YRCHI		14:13:59	.001
AREA2_100YRCHI		14:15:00	.001
AREA2_100YRCHI		14:16:01	.001
AREA2_100YRCHI		14:16:59	.001
AREA2_100YRCHI		14:18:00	0.
AREA2_100YRCHI		14:19:01	0.
ST213_100YRCHI	01/01/1995	1:01	0
ST213_100YRCHI	01/01/1995	1:02	0
ST213_100YRCHI	01/01/1995	1:03	0
ST213_100YRCHI	01/01/1995	1:04	0
ST213_100YRCHI	01/01/1995	1:05	0
ST213_100YRCHI	01/01/1995	1:06	0
ST213_100YRCHI	01/01/1995	1:07	0
ST213_100YRCHI	01/01/1995	1:08	0
ST213_100YRCHI	01/01/1995	1:09	0
ST213_100YRCHI	01/01/1995	1:10	0
ST213_100YRCHI	01/01/1995	1:11	5.625821E-07
ST213_100YRCHI	01/01/1995	1:12	4.023213E-06
ST213_100YRCHI	01/01/1995	1:13	2.640071E-05
ST213_100YRCHI	01/01/1995	1:14	0.0002642442
ST213_100YRCHI	01/01/1995	1:15	0.003696265
ST213_100YRCHI	01/01/1995	1:16	0.01150108
ST213_100YRCHI	01/01/1995	1:17	0.01966625
ST213_100YRCHI	01/01/1995	1:18	0.02599029
ST213_100YRCHI	01/01/1995	1:19	0.03071465
ST213_100YRCHI	01/01/1995	1:20	0.03439295
ST213_100YRCHI	01/01/1995	1:21	0.03718282

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	1:22	0.03929424
ST213_100YRCHI	01/01/1995	1:23	0.04115185
ST213_100YRCHI	01/01/1995	1:24	0.04326347
ST213_100YRCHI	01/01/1995	1:25	0.045835
ST213_100YRCHI	01/01/1995	1:26	0.04856907
ST213_100YRCHI	01/01/1995	1:27	0.0511913
ST213_100YRCHI	01/01/1995	1:28	0.05363384
ST213_100YRCHI	01/01/1995	1:29	0.05554685
ST213_100YRCHI	01/01/1995	1:30	0.05685706
ST213_100YRCHI	01/01/1995	1:31	0.05773287
ST213_100YRCHI	01/01/1995	1:32	0.05856052
ST213_100YRCHI	01/01/1995	1:33	0.05998278
ST213_100YRCHI	01/01/1995	1:34	0.06327252
ST213_100YRCHI	01/01/1995	1:35	0.06801531
ST213_100YRCHI	01/01/1995	1:36	0.07326826
ST213_100YRCHI	01/01/1995	1:37	0.07845745
ST213_100YRCHI	01/01/1995	1:38	0.08286666
ST213_100YRCHI	01/01/1995	1:39	0.08661674
ST213_100YRCHI	01/01/1995	1:40	0.08941655
ST213_100YRCHI	01/01/1995	1:41	0.09134489
ST213_100YRCHI	01/01/1995	1:42	0.09424347
ST213_100YRCHI	01/01/1995	1:43	0.1029535
ST213_100YRCHI	01/01/1995	1:44	0.1209953
ST213_100YRCHI	01/01/1995	1:45	0.1457566
ST213_100YRCHI	01/01/1995	1:46	0.1723387
ST213_100YRCHI	01/01/1995	1:47	0.1957245
ST213_100YRCHI	01/01/1995	1:48	0.214484
ST213_100YRCHI	01/01/1995	1:49	0.2280597
ST213_100YRCHI	01/01/1995	1:50	0.2378508
ST213_100YRCHI	01/01/1995	1:51	0.2460576
ST213_100YRCHI	01/01/1995	1:52	0.2677205
ST213_100YRCHI	01/01/1995	1:53	0.3418391
ST213_100YRCHI	01/01/1995	1:54	0.4556187
ST213_100YRCHI	01/01/1995	1:55	0.5694178
ST213_100YRCHI	01/01/1995	1:56	0.6216251
ST213_100YRCHI	01/01/1995	1:57	0.6577353
ST213_100YRCHI	01/01/1995	1:58	0.68388
ST213_100YRCHI	01/01/1995	1:59	0.7122688
ST213_100YRCHI	01/01/1995	2:00	0.7418568
ST213_100YRCHI	01/01/1995	2:01	0.7740354
ST213_100YRCHI	01/01/1995	2:02	0.78686
ST213_100YRCHI	01/01/1995	2:03	0.7919386
ST213_100YRCHI	01/01/1995	2:04	0.7963388
ST213_100YRCHI	01/01/1995	2:05	0.7986922
ST213_100YRCHI	01/01/1995	2:06	0.7930347
ST213_100YRCHI	01/01/1995	2:07	0.7996929
ST213_100YRCHI	01/01/1995	2:08	0.7940285
ST213_100YRCHI	01/01/1995	2:09	0.7882822
ST213_100YRCHI	01/01/1995	2:10	0.7951416
ST213_100YRCHI	01/01/1995	2:11	0.7710992
ST213_100YRCHI	01/01/1995	2:12	0.7535666
ST213_100YRCHI	01/01/1995	2:13	0.7450874
ST213_100YRCHI	01/01/1995	2:14	0.7209198
ST213_100YRCHI	01/01/1995	2:15	0.6968361
ST213_100YRCHI	01/01/1995	2:16	0.6748283
ST213_100YRCHI	01/01/1995	2:17	0.6593354
ST213_100YRCHI	01/01/1995	2:18	0.6395609
ST213_100YRCHI	01/01/1995	2:19	0.6191127
ST213_100YRCHI	01/01/1995	2:20	0.6032908
ST213_100YRCHI	01/01/1995	2:21	0.5789386
ST213_100YRCHI	01/01/1995	2:22	0.5578801
ST213_100YRCHI	01/01/1995	2:23	0.5376863
ST213_100YRCHI	01/01/1995	2:24	0.5120462
ST213_100YRCHI	01/01/1995	2:25	0.4889769
ST213_100YRCHI	01/01/1995	2:26	0.4703449
ST213_100YRCHI	01/01/1995	2:27	0.4559157

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	2:28	0.4390562
ST213_100YRCHI	01/01/1995	2:29	0.4137179
ST213_100YRCHI	01/01/1995	2:30	0.386657
ST213_100YRCHI	01/01/1995	2:31	0.3697294
ST213_100YRCHI	01/01/1995	2:32	0.356357
ST213_100YRCHI	01/01/1995	2:33	0.3439932
ST213_100YRCHI	01/01/1995	2:34	0.3329132
ST213_100YRCHI	01/01/1995	2:35	0.321719
ST213_100YRCHI	01/01/1995	2:36	0.3116983
ST213_100YRCHI	01/01/1995	2:37	0.3017363
ST213_100YRCHI	01/01/1995	2:38	0.2852113
ST213_100YRCHI	01/01/1995	2:39	0.2631117
ST213_100YRCHI	01/01/1995	2:40	0.2444149
ST213_100YRCHI	01/01/1995	2:41	0.2307676
ST213_100YRCHI	01/01/1995	2:42	0.2183607
ST213_100YRCHI	01/01/1995	2:43	0.2086338
ST213_100YRCHI	01/01/1995	2:44	0.2003738
ST213_100YRCHI	01/01/1995	2:45	0.1933541
ST213_100YRCHI	01/01/1995	2:46	0.1871824
ST213_100YRCHI	01/01/1995	2:47	0.1816473
ST213_100YRCHI	01/01/1995	2:48	0.1766867
ST213_100YRCHI	01/01/1995	2:49	0.1719648
ST213_100YRCHI	01/01/1995	2:50	0.1670821
ST213_100YRCHI	01/01/1995	2:51	0.1625796
ST213_100YRCHI	01/01/1995	2:52	0.1585209
ST213_100YRCHI	01/01/1995	2:53	0.1543541
ST213_100YRCHI	01/01/1995	2:54	0.1505009
ST213_100YRCHI	01/01/1995	2:55	0.1469625
ST213_100YRCHI	01/01/1995	2:56	0.143627
ST213_100YRCHI	01/01/1995	2:57	0.1400237
ST213_100YRCHI	01/01/1995	2:58	0.1363014
ST213_100YRCHI	01/01/1995	2:59	0.1328278
ST213_100YRCHI	01/01/1995	3:00	0.1297054
ST213_100YRCHI	01/01/1995	3:01	0.1268583
ST213_100YRCHI	01/01/1995	3:02	0.1245352
ST213_100YRCHI	01/01/1995	3:03	0.1223289
ST213_100YRCHI	01/01/1995	3:04	0.1197335
ST213_100YRCHI	01/01/1995	3:05	0.1167282
ST213_100YRCHI	01/01/1995	3:06	0.1137943
ST213_100YRCHI	01/01/1995	3:07	0.1113053
ST213_100YRCHI	01/01/1995	3:08	0.1089718
ST213_100YRCHI	01/01/1995	3:09	0.1066461
ST213_100YRCHI	01/01/1995	3:10	0.1046343
ST213_100YRCHI	01/01/1995	3:11	0.1029594
ST213_100YRCHI	01/01/1995	3:12	0.1015509
ST213_100YRCHI	01/01/1995	3:13	0.1001
ST213_100YRCHI	01/01/1995	3:14	0.09862541
ST213_100YRCHI	01/01/1995	3:15	0.09690265
ST213_100YRCHI	01/01/1995	3:16	0.09483323
ST213_100YRCHI	01/01/1995	3:17	0.09286983
ST213_100YRCHI	01/01/1995	3:18	0.09108656
ST213_100YRCHI	01/01/1995	3:19	0.08951652
ST213_100YRCHI	01/01/1995	3:20	0.08812443
ST213_100YRCHI	01/01/1995	3:21	0.08677917
ST213_100YRCHI	01/01/1995	3:22	0.08557
ST213_100YRCHI	01/01/1995	3:23	0.08448423
ST213_100YRCHI	01/01/1995	3:24	0.08350372
ST213_100YRCHI	01/01/1995	3:25	0.08241595
ST213_100YRCHI	01/01/1995	3:26	0.08134279
ST213_100YRCHI	01/01/1995	3:27	0.08038165
ST213_100YRCHI	01/01/1995	3:28	0.07931376
ST213_100YRCHI	01/01/1995	3:29	0.07803433
ST213_100YRCHI	01/01/1995	3:30	0.07680419
ST213_100YRCHI	01/01/1995	3:31	0.07572325
ST213_100YRCHI	01/01/1995	3:32	0.07463336
ST213_100YRCHI	01/01/1995	3:33	0.07353473

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	3:34	0.07217927
ST213_100YRCHI	01/01/1995	3:35	0.07093968
ST213_100YRCHI	01/01/1995	3:36	0.06995662
ST213_100YRCHI	01/01/1995	3:37	0.068958
ST213_100YRCHI	01/01/1995	3:38	0.06760123
ST213_100YRCHI	01/01/1995	3:39	0.06628052
ST213_100YRCHI	01/01/1995	3:40	0.06531971
ST213_100YRCHI	01/01/1995	3:41	0.0646539
ST213_100YRCHI	01/01/1995	3:42	0.06415578
ST213_100YRCHI	01/01/1995	3:43	0.06377454
ST213_100YRCHI	01/01/1995	3:44	0.06348707
ST213_100YRCHI	01/01/1995	3:45	0.0631068
ST213_100YRCHI	01/01/1995	3:46	0.06240707
ST213_100YRCHI	01/01/1995	3:47	0.06166385
ST213_100YRCHI	01/01/1995	3:48	0.06108297
ST213_100YRCHI	01/01/1995	3:49	0.06067896
ST213_100YRCHI	01/01/1995	3:50	0.06041388
ST213_100YRCHI	01/01/1995	3:51	0.06023196
ST213_100YRCHI	01/01/1995	3:52	0.06004832
ST213_100YRCHI	01/01/1995	3:53	0.05980694
ST213_100YRCHI	01/01/1995	3:54	0.05935274
ST213_100YRCHI	01/01/1995	3:55	0.0585121
ST213_100YRCHI	01/01/1995	3:56	0.05736217
ST213_100YRCHI	01/01/1995	3:57	0.05634064
ST213_100YRCHI	01/01/1995	3:58	0.05566826
ST213_100YRCHI	01/01/1995	3:59	0.05523096
ST213_100YRCHI	01/01/1995	4:00	0.05489594
ST213_100YRCHI	01/01/1995	4:01	0.05458266
ST213_100YRCHI	01/01/1995	4:02	0.05406053
ST213_100YRCHI	01/01/1995	4:03	0.05241092
ST213_100YRCHI	01/01/1995	4:04	0.04959134
ST213_100YRCHI	01/01/1995	4:05	0.04595636
ST213_100YRCHI	01/01/1995	4:06	0.04205038
ST213_100YRCHI	01/01/1995	4:07	0.0378933
ST213_100YRCHI	01/01/1995	4:08	0.0337592
ST213_100YRCHI	01/01/1995	4:09	0.03002234
ST213_100YRCHI	01/01/1995	4:10	0.0269387
ST213_100YRCHI	01/01/1995	4:11	0.02443101
ST213_100YRCHI	01/01/1995	4:12	0.02242613
ST213_100YRCHI	01/01/1995	4:13	0.02067082
ST213_100YRCHI	01/01/1995	4:14	0.01908767
ST213_100YRCHI	01/01/1995	4:15	0.01771573
ST213_100YRCHI	01/01/1995	4:16	0.016435
ST213_100YRCHI	01/01/1995	4:17	0.01519634
ST213_100YRCHI	01/01/1995	4:18	0.01408802
ST213_100YRCHI	01/01/1995	4:19	0.01309494
ST213_100YRCHI	01/01/1995	4:20	0.01214864
ST213_100YRCHI	01/01/1995	4:21	0.01127734
ST213_100YRCHI	01/01/1995	4:22	0.01051179
ST213_100YRCHI	01/01/1995	4:23	0.009759264
ST213_100YRCHI	01/01/1995	4:24	0.008963169
ST213_100YRCHI	01/01/1995	4:25	0.0081967
ST213_100YRCHI	01/01/1995	4:26	0.007531032
ST213_100YRCHI	01/01/1995	4:27	0.007005419
ST213_100YRCHI	01/01/1995	4:28	0.006584016
ST213_100YRCHI	01/01/1995	4:29	0.006217684
ST213_100YRCHI	01/01/1995	4:30	0.005867353
ST213_100YRCHI	01/01/1995	4:31	0.005459972
ST213_100YRCHI	01/01/1995	4:32	0.004998147
ST213_100YRCHI	01/01/1995	4:33	0.004538937
ST213_100YRCHI	01/01/1995	4:34	0.004078534
ST213_100YRCHI	01/01/1995	4:35	0.003659021
ST213_100YRCHI	01/01/1995	4:36	0.003301295
ST213_100YRCHI	01/01/1995	4:37	0.003007137
ST213_100YRCHI	01/01/1995	4:38	0.002793933
ST213_100YRCHI	01/01/1995	4:39	0.00258718



post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	4:40	0.002355451
ST213_100YRCHI	01/01/1995	4:41	0.002171532
ST213_100YRCHI	01/01/1995	4:42	0.00200622
ST213_100YRCHI	01/01/1995	4:43	0.001846349
ST213_100YRCHI	01/01/1995	4:44	0.001734659
ST213_100YRCHI	01/01/1995	4:45	0.001641912
ST213_100YRCHI	01/01/1995	4:46	0.001555145
ST213_100YRCHI	01/01/1995	4:47	0.001462342
ST213_100YRCHI	01/01/1995	4:48	0.001340818
ST213_100YRCHI	01/01/1995	4:49	0.001224954
ST213_100YRCHI	01/01/1995	4:50	0.001116505
ST213_100YRCHI	01/01/1995	4:51	0.001005698
ST213_100YRCHI	01/01/1995	4:52	0.0008898749
ST213_100YRCHI	01/01/1995	4:53	0.0008005711
ST213_100YRCHI	01/01/1995	4:54	0.0007338998
ST213_100YRCHI	01/01/1995	4:55	0.0006719501
ST213_100YRCHI	01/01/1995	4:56	0.0006350852
ST213_100YRCHI	01/01/1995	4:57	0.0006069085
ST213_100YRCHI	01/01/1995	4:58	0.0005871653
ST213_100YRCHI	01/01/1995	4:59	0.0005835315
ST213_100YRCHI	01/01/1995	5:00	0.0005750865
ST213_100YRCHI	01/01/1995	5:01	0.0005715622
ST213_100YRCHI	01/01/1995	5:02	0.0005436323
ST213_100YRCHI	01/01/1995	5:03	0.0004903878
ST213_100YRCHI	01/01/1995	5:04	0.0004434106
ST213_100YRCHI	01/01/1995	5:05	0.0003809324
ST213_100YRCHI	01/01/1995	5:06	0.0003251908
ST213_100YRCHI	01/01/1995	5:07	0.0002890573
ST213_100YRCHI	01/01/1995	5:08	0.0002424091
ST213_100YRCHI	01/01/1995	5:09	0.000201362
ST213_100YRCHI	01/01/1995	5:10	0.0001689325
ST213_100YRCHI	01/01/1995	5:11	0.0001350263
ST213_100YRCHI	01/01/1995	5:12	0.0001236346
ST213_100YRCHI	01/01/1995	5:13	0.0001050775
ST213_100YRCHI	01/01/1995	5:14	9.251938E-05
ST213_100YRCHI	01/01/1995	5:15	9.280971E-05
ST213_100YRCHI	01/01/1995	5:16	8.178433E-05
ST213_100YRCHI	01/01/1995	5:17	8.517865E-05
ST213_100YRCHI	01/01/1995	5:18	8.711294E-05
ST213_100YRCHI	01/01/1995	5:19	8.41196E-05
ST213_100YRCHI	01/01/1995	5:20	9.589956E-05
ST213_100YRCHI	01/01/1995	5:21	9.611748E-05
ST213_100YRCHI	01/01/1995	5:22	0.0001034205
ST213_100YRCHI	01/01/1995	5:23	0.0001155688
ST213_100YRCHI	01/01/1995	5:24	0.0001172295
ST213_100YRCHI	01/01/1995	5:25	0.0001322991
ST213_100YRCHI	01/01/1995	5:26	0.0001406246
ST213_100YRCHI	01/01/1995	5:27	0.0001480635
ST213_100YRCHI	01/01/1995	5:28	0.0001652377
ST213_100YRCHI	01/01/1995	5:29	0.000170632
ST213_100YRCHI	01/01/1995	5:30	0.0001851293
ST213_100YRCHI	01/01/1995	5:31	0.0001988115
ST213_100YRCHI	01/01/1995	5:32	0.0002058088
ST213_100YRCHI	01/01/1995	5:33	0.0002237688
ST213_100YRCHI	01/01/1995	5:34	0.0002327371
ST213_100YRCHI	01/01/1995	5:35	0.0002447538
ST213_100YRCHI	01/01/1995	5:36	0.0002616558
ST213_100YRCHI	01/01/1995	5:37	0.000269314
ST213_100YRCHI	01/01/1995	5:38	0.0002861006
ST213_100YRCHI	01/01/1995	5:39	0.0002988327
ST213_100YRCHI	01/01/1995	5:40	0.00030864
ST213_100YRCHI	01/01/1995	5:41	0.0003260476
ST213_100YRCHI	01/01/1995	5:42	0.0003351466
ST213_100YRCHI	01/01/1995	5:43	0.0003481064
ST213_100YRCHI	01/01/1995	5:44	0.0003576995
ST213_100YRCHI	01/01/1995	5:45	0.0003677204

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	5:46	0.0003856333
ST213_100YRCHI	01/01/1995	5:47	0.0003934402
ST213_100YRCHI	01/01/1995	5:48	0.000408134
ST213_100YRCHI	01/01/1995	5:49	0.0004225232
ST213_100YRCHI	01/01/1995	5:50	0.0004307546
ST213_100YRCHI	01/01/1995	5:51	0.0004472502
ST213_100YRCHI	01/01/1995	5:52	0.0004573145
ST213_100YRCHI	01/01/1995	5:53	0.0004679638
ST213_100YRCHI	01/01/1995	5:54	0.0004833268
ST213_100YRCHI	01/01/1995	5:55	0.0004913069
ST213_100YRCHI	01/01/1995	5:56	0.0005042482
ST213_100YRCHI	01/01/1995	5:57	0.0005166947
ST213_100YRCHI	01/01/1995	5:58	0.0005253058
ST213_100YRCHI	01/01/1995	5:59	0.00053916
ST213_100YRCHI	01/01/1995	6:00	0.0005511225
ST213_100YRCHI	01/01/1995	6:01	0.0005641542
ST213_100YRCHI	01/01/1995	6:02	0.0005760583
ST213_100YRCHI	01/01/1995	6:03	0.000585991
ST213_100YRCHI	01/01/1995	6:04	0.0005978048
ST213_100YRCHI	01/01/1995	6:05	0.0006080102
ST213_100YRCHI	01/01/1995	6:06	0.0006179886
ST213_100YRCHI	01/01/1995	6:07	0.0006290571
ST213_100YRCHI	01/01/1995	6:08	0.0006382095
ST213_100YRCHI	01/01/1995	6:09	0.0006485864
ST213_100YRCHI	01/01/1995	6:10	0.0006585118
ST213_100YRCHI	01/01/1995	6:11	0.0006666478
ST213_100YRCHI	01/01/1995	6:12	0.0006767782
ST213_100YRCHI	01/01/1995	6:13	0.0006852978
ST213_100YRCHI	01/01/1995	6:14	0.0006866707
ST213_100YRCHI	01/01/1995	6:15	0.0007079433
ST213_100YRCHI	01/01/1995	6:16	0.0007160162
ST213_100YRCHI	01/01/1995	6:17	0.0007160588
ST213_100YRCHI	01/01/1995	6:18	0.0007361509
ST213_100YRCHI	01/01/1995	6:19	0.0007388205
ST213_100YRCHI	01/01/1995	6:20	0.0007438692
ST213_100YRCHI	01/01/1995	6:21	0.0007603468
ST213_100YRCHI	01/01/1995	6:22	0.0007608858
ST213_100YRCHI	01/01/1995	6:23	0.0007689666
ST213_100YRCHI	01/01/1995	6:24	0.0007807594
ST213_100YRCHI	01/01/1995	6:25	0.0007817445
ST213_100YRCHI	01/01/1995	6:26	0.0007904649
ST213_100YRCHI	01/01/1995	6:27	0.0007996354
ST213_100YRCHI	01/01/1995	6:28	0.0008010968
ST213_100YRCHI	01/01/1995	6:29	0.0008092199
ST213_100YRCHI	01/01/1995	6:30	0.0008161933
ST213_100YRCHI	01/01/1995	6:31	0.0008137628
ST213_100YRCHI	01/01/1995	6:32	0.0008071729
ST213_100YRCHI	01/01/1995	6:33	0.0008215273
ST213_100YRCHI	01/01/1995	6:34	0.0008269143
ST213_100YRCHI	01/01/1995	6:35	0.0008257635
ST213_100YRCHI	01/01/1995	6:36	0.0008384947
ST213_100YRCHI	01/01/1995	6:37	0.0008443201
ST213_100YRCHI	01/01/1995	6:38	0.0008505375
ST213_100YRCHI	01/01/1995	6:39	0.0008603272
ST213_100YRCHI	01/01/1995	6:40	0.0008626283
ST213_100YRCHI	01/01/1995	6:41	0.0008662193
ST213_100YRCHI	01/01/1995	6:42	0.0008574539
ST213_100YRCHI	01/01/1995	6:43	0.0008416413
ST213_100YRCHI	01/01/1995	6:44	0.0008493981
ST213_100YRCHI	01/01/1995	6:45	0.0008544191
ST213_100YRCHI	01/01/1995	6:46	0.0008508243
ST213_100YRCHI	01/01/1995	6:47	0.0008599838
ST213_100YRCHI	01/01/1995	6:48	0.000859488
ST213_100YRCHI	01/01/1995	6:49	0.0008429587
ST213_100YRCHI	01/01/1995	6:50	0.0008319239
ST213_100YRCHI	01/01/1995	6:51	0.0008175168

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	6:52	0.0007948123
ST213_100YRCHI	01/01/1995	6:53	0.0007795669
ST213_100YRCHI	01/01/1995	6:54	0.0007671088
ST213_100YRCHI	01/01/1995	6:55	0.0007507132
ST213_100YRCHI	01/01/1995	6:56	0.000740806
ST213_100YRCHI	01/01/1995	6:57	0.0007361585
ST213_100YRCHI	01/01/1995	6:58	0.0007291291
ST213_100YRCHI	01/01/1995	6:59	0.0007261082
ST213_100YRCHI	01/01/1995	7:00	0.0007280339
ST213_100YRCHI	01/01/1995	7:01	0.0007287235
ST213_100YRCHI	01/01/1995	7:02	0.0007308902
ST213_100YRCHI	01/01/1995	7:03	0.000738588
ST213_100YRCHI	01/01/1995	7:04	0.0007369786
ST213_100YRCHI	01/01/1995	7:05	0.0007337403
ST213_100YRCHI	01/01/1995	7:06	0.0007563079
ST213_100YRCHI	01/01/1995	7:07	0.0007828725
ST213_100YRCHI	01/01/1995	7:08	0.0008088916
ST213_100YRCHI	01/01/1995	7:09	0.0008466408
ST213_100YRCHI	01/01/1995	7:10	0.0008900516
ST213_100YRCHI	01/01/1995	7:11	0.000941672
ST213_100YRCHI	01/01/1995	7:12	0.0009973963
ST213_100YRCHI	01/01/1995	7:13	0.001039495
ST213_100YRCHI	01/01/1995	7:14	0.001045754
ST213_100YRCHI	01/01/1995	7:15	0.001006719
ST213_100YRCHI	01/01/1995	7:16	0.0009668723
ST213_100YRCHI	01/01/1995	7:17	0.0009665365
ST213_100YRCHI	01/01/1995	7:18	0.0009834178
ST213_100YRCHI	01/01/1995	7:19	0.0009873153
ST213_100YRCHI	01/01/1995	7:20	0.0009924727
ST213_100YRCHI	01/01/1995	7:21	0.001004655
ST213_100YRCHI	01/01/1995	7:22	0.001010248
ST213_100YRCHI	01/01/1995	7:23	0.001008293
ST213_100YRCHI	01/01/1995	7:24	0.001006279
ST213_100YRCHI	01/01/1995	7:25	0.001004329
ST213_100YRCHI	01/01/1995	7:26	0.0009987659
ST213_100YRCHI	01/01/1995	7:27	0.0009903597
ST213_100YRCHI	01/01/1995	7:28	0.0009821036
ST213_100YRCHI	01/01/1995	7:29	0.0009625151
ST213_100YRCHI	01/01/1995	7:30	0.0009425515
ST213_100YRCHI	01/01/1995	7:31	0.0009393467
ST213_100YRCHI	01/01/1995	7:32	0.0009364866
ST213_100YRCHI	01/01/1995	7:33	0.0009233958
ST213_100YRCHI	01/01/1995	7:34	0.0009102612
ST213_100YRCHI	01/01/1995	7:35	0.0009027811
ST213_100YRCHI	01/01/1995	7:36	0.0008948558
ST213_100YRCHI	01/01/1995	7:37	0.0008830418
ST213_100YRCHI	01/01/1995	7:38	0.0008719501
ST213_100YRCHI	01/01/1995	7:39	0.0008633242
ST213_100YRCHI	01/01/1995	7:40	0.0008543099
ST213_100YRCHI	01/01/1995	7:41	0.0008441742
ST213_100YRCHI	01/01/1995	7:42	0.0008342701
ST213_100YRCHI	01/01/1995	7:43	0.000824924
ST213_100YRCHI	01/01/1995	7:44	0.0008146929
ST213_100YRCHI	01/01/1995	7:45	0.0008038373
ST213_100YRCHI	01/01/1995	7:46	0.000790229
ST213_100YRCHI	01/01/1995	7:47	0.0007593061
ST213_100YRCHI	01/01/1995	7:48	0.0007022609
ST213_100YRCHI	01/01/1995	7:49	0.0006389024
ST213_100YRCHI	01/01/1995	7:50	0.0005892446
ST213_100YRCHI	01/01/1995	7:51	0.0005587536
ST213_100YRCHI	01/01/1995	7:52	0.000539122
ST213_100YRCHI	01/01/1995	7:53	0.000522744
ST213_100YRCHI	01/01/1995	7:54	0.0005065202
ST213_100YRCHI	01/01/1995	7:55	0.0004929731
ST213_100YRCHI	01/01/1995	7:56	0.0004893111
ST213_100YRCHI	01/01/1995	7:57	0.0004943279

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	7:58	0.0005008957
ST213_100YRCHI	01/01/1995	7:59	0.0005052417
ST213_100YRCHI	01/01/1995	8:00	0.0005089638
ST213_100YRCHI	01/01/1995	8:01	0.0005141746
ST213_100YRCHI	01/01/1995	8:02	0.0005195151
ST213_100YRCHI	01/01/1995	8:03	0.0005240428
ST213_100YRCHI	01/01/1995	8:04	0.0005270852
ST213_100YRCHI	01/01/1995	8:05	0.0005288001
ST213_100YRCHI	01/01/1995	8:06	0.0005325071
ST213_100YRCHI	01/01/1995	8:07	0.0005446695
ST213_100YRCHI	01/01/1995	8:08	0.0005647178
ST213_100YRCHI	01/01/1995	8:09	0.0005842235
ST213_100YRCHI	01/01/1995	8:10	0.0005957272
ST213_100YRCHI	01/01/1995	8:11	0.0005984002
ST213_100YRCHI	01/01/1995	8:12	0.0005942216
ST213_100YRCHI	01/01/1995	8:13	0.0005849622
ST213_100YRCHI	01/01/1995	8:14	0.0005704822
ST213_100YRCHI	01/01/1995	8:15	0.000553392
ST213_100YRCHI	01/01/1995	8:16	0.0005331842
ST213_100YRCHI	01/01/1995	8:17	0.0005108536
ST213_100YRCHI	01/01/1995	8:18	0.0004865785
ST213_100YRCHI	01/01/1995	8:19	0.0004610805
ST213_100YRCHI	01/01/1995	8:20	0.0004334658
ST213_100YRCHI	01/01/1995	8:21	0.0004029002
ST213_100YRCHI	01/01/1995	8:22	0.0003736307
ST213_100YRCHI	01/01/1995	8:23	0.0003437783
ST213_100YRCHI	01/01/1995	8:24	0.000302756
ST213_100YRCHI	01/01/1995	8:25	0.0002577207
ST213_100YRCHI	01/01/1995	8:26	0.0002242451
ST213_100YRCHI	01/01/1995	8:27	0.0001965427
ST213_100YRCHI	01/01/1995	8:28	0.0001712359
ST213_100YRCHI	01/01/1995	8:29	0.0001508311
ST213_100YRCHI	01/01/1995	8:30	0.0001345654
ST213_100YRCHI	01/01/1995	8:31	0.0001204693
ST213_100YRCHI	01/01/1995	8:32	0.0001078418
ST213_100YRCHI	01/01/1995	8:33	9.758384E-05
ST213_100YRCHI	01/01/1995	8:34	8.7477E-05
ST213_100YRCHI	01/01/1995	8:35	7.763354E-05
ST213_100YRCHI	01/01/1995	8:36	6.818547E-05
ST213_100YRCHI	01/01/1995	8:37	5.905074E-05
ST213_100YRCHI	01/01/1995	8:38	4.541332E-05
ST213_100YRCHI	01/01/1995	8:39	3.482933E-05
ST213_100YRCHI	01/01/1995	8:40	2.711688E-05
ST213_100YRCHI	01/01/1995	8:41	2.135112E-05
ST213_100YRCHI	01/01/1995	8:42	1.69516E-05
ST213_100YRCHI	01/01/1995	8:43	1.353901E-05
ST213_100YRCHI	01/01/1995	8:44	1.085678E-05
ST213_100YRCHI	01/01/1995	8:45	7.524077E-06
ST213_100YRCHI	01/01/1995	8:46	3.618128E-06
ST213_100YRCHI	01/01/1995	8:47	3.338507E-06
ST213_100YRCHI	01/01/1995	8:48	3.069937E-06
ST213_100YRCHI	01/01/1995	8:49	2.815903E-06
ST213_100YRCHI	01/01/1995	8:50	2.577887E-06
ST213_100YRCHI	01/01/1995	8:51	2.356449E-06
ST213_100YRCHI	01/01/1995	8:52	2.144241E-06
ST213_100YRCHI	01/01/1995	8:53	1.943886E-06
ST213_100YRCHI	01/01/1995	8:54	1.763174E-06
ST213_100YRCHI	01/01/1995	8:55	1.600057E-06
ST213_100YRCHI	01/01/1995	8:56	1.452688E-06
ST213_100YRCHI	01/01/1995	8:57	1.31944E-06
ST213_100YRCHI	01/01/1995	8:58	1.198884E-06
ST213_100YRCHI	01/01/1995	8:59	1.089722E-06
ST213_100YRCHI	01/01/1995	9:00	9.908298E-07
ST213_100YRCHI	01/01/1995	9:01	9.011791E-07
ST213_100YRCHI	01/01/1995	9:02	8.198666E-07
ST213_100YRCHI	01/01/1995	9:03	7.460827E-07

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	9:04	6.790912E-07
ST213_100YRCHI	01/01/1995	9:05	6.182541E-07
ST213_100YRCHI	01/01/1995	9:06	5.629745E-07
ST213_100YRCHI	01/01/1995	9:07	5.127265E-07
ST213_100YRCHI	01/01/1995	9:08	4.670451E-07
ST213_100YRCHI	01/01/1995	9:09	4.25496E-07
ST213_100YRCHI	01/01/1995	9:10	3.876947E-07
ST213_100YRCHI	01/01/1995	9:11	3.458674E-07
ST213_100YRCHI	01/01/1995	9:12	0
ST213_100YRCHI	01/01/1995	9:13	0
ST213_100YRCHI	01/01/1995	9:14	0
ST213_100YRCHI	01/01/1995	9:15	0
ST213_100YRCHI	01/01/1995	9:16	0
ST213_100YRCHI	01/01/1995	9:17	0
ST213_100YRCHI	01/01/1995	9:18	0
ST213_100YRCHI	01/01/1995	9:19	0
ST213_100YRCHI	01/01/1995	9:20	0
ST213_100YRCHI	01/01/1995	9:21	0
ST213_100YRCHI	01/01/1995	9:22	0
ST213_100YRCHI	01/01/1995	9:23	0
ST213_100YRCHI	01/01/1995	9:24	0
ST213_100YRCHI	01/01/1995	9:25	0
ST213_100YRCHI	01/01/1995	9:26	0
ST213_100YRCHI	01/01/1995	9:27	0
ST213_100YRCHI	01/01/1995	9:28	0
ST213_100YRCHI	01/01/1995	9:29	0
ST213_100YRCHI	01/01/1995	9:30	0
ST213_100YRCHI	01/01/1995	9:31	0
ST213_100YRCHI	01/01/1995	9:32	0
ST213_100YRCHI	01/01/1995	9:33	0
ST213_100YRCHI	01/01/1995	9:34	0
ST213_100YRCHI	01/01/1995	9:35	0
ST213_100YRCHI	01/01/1995	9:36	0
ST213_100YRCHI	01/01/1995	9:37	0
ST213_100YRCHI	01/01/1995	9:38	0
ST213_100YRCHI	01/01/1995	9:39	0
ST213_100YRCHI	01/01/1995	9:40	0
ST213_100YRCHI	01/01/1995	9:41	0
ST213_100YRCHI	01/01/1995	9:42	0
ST213_100YRCHI	01/01/1995	9:43	0
ST213_100YRCHI	01/01/1995	9:44	0
ST213_100YRCHI	01/01/1995	9:45	0
ST213_100YRCHI	01/01/1995	9:46	0
ST213_100YRCHI	01/01/1995	9:47	0
ST213_100YRCHI	01/01/1995	9:48	0
ST213_100YRCHI	01/01/1995	9:49	0
ST213_100YRCHI	01/01/1995	9:50	0
ST213_100YRCHI	01/01/1995	9:51	0
ST213_100YRCHI	01/01/1995	9:52	0
ST213_100YRCHI	01/01/1995	9:53	0
ST213_100YRCHI	01/01/1995	9:54	0
ST213_100YRCHI	01/01/1995	9:55	0
ST213_100YRCHI	01/01/1995	9:56	0
ST213_100YRCHI	01/01/1995	9:57	0
ST213_100YRCHI	01/01/1995	9:58	0
ST213_100YRCHI	01/01/1995	9:59	0
ST213_100YRCHI	01/01/1995	10:00	0
ST213_100YRCHI	01/01/1995	10:01	0
ST213_100YRCHI	01/01/1995	10:02	0
ST213_100YRCHI	01/01/1995	10:03	0
ST213_100YRCHI	01/01/1995	10:04	0
ST213_100YRCHI	01/01/1995	10:05	0
ST213_100YRCHI	01/01/1995	10:06	0
ST213_100YRCHI	01/01/1995	10:07	0
ST213_100YRCHI	01/01/1995	10:08	0
ST213_100YRCHI	01/01/1995	10:09	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	10:10	0
ST213_100YRCHI	01/01/1995	10:11	0
ST213_100YRCHI	01/01/1995	10:12	0
ST213_100YRCHI	01/01/1995	10:13	0
ST213_100YRCHI	01/01/1995	10:14	0
ST213_100YRCHI	01/01/1995	10:15	0
ST213_100YRCHI	01/01/1995	10:16	0
ST213_100YRCHI	01/01/1995	10:17	0
ST213_100YRCHI	01/01/1995	10:18	0
ST213_100YRCHI	01/01/1995	10:19	0
ST213_100YRCHI	01/01/1995	10:20	0
ST213_100YRCHI	01/01/1995	10:21	0
ST213_100YRCHI	01/01/1995	10:22	0
ST213_100YRCHI	01/01/1995	10:23	0
ST213_100YRCHI	01/01/1995	10:24	0
ST213_100YRCHI	01/01/1995	10:25	0
ST213_100YRCHI	01/01/1995	10:26	0
ST213_100YRCHI	01/01/1995	10:27	0
ST213_100YRCHI	01/01/1995	10:28	0
ST213_100YRCHI	01/01/1995	10:29	0
ST213_100YRCHI	01/01/1995	10:30	0
ST213_100YRCHI	01/01/1995	10:31	0
ST213_100YRCHI	01/01/1995	10:32	0
ST213_100YRCHI	01/01/1995	10:33	0
ST213_100YRCHI	01/01/1995	10:34	0
ST213_100YRCHI	01/01/1995	10:35	0
ST213_100YRCHI	01/01/1995	10:36	0
ST213_100YRCHI	01/01/1995	10:37	0
ST213_100YRCHI	01/01/1995	10:38	0
ST213_100YRCHI	01/01/1995	10:39	0
ST213_100YRCHI	01/01/1995	10:40	0
ST213_100YRCHI	01/01/1995	10:41	0
ST213_100YRCHI	01/01/1995	10:42	0
ST213_100YRCHI	01/01/1995	10:43	0
ST213_100YRCHI	01/01/1995	10:44	0
ST213_100YRCHI	01/01/1995	10:45	0
ST213_100YRCHI	01/01/1995	10:46	0
ST213_100YRCHI	01/01/1995	10:47	0
ST213_100YRCHI	01/01/1995	10:48	0
ST213_100YRCHI	01/01/1995	10:49	0
ST213_100YRCHI	01/01/1995	10:50	0
ST213_100YRCHI	01/01/1995	10:51	0
ST213_100YRCHI	01/01/1995	10:52	0
ST213_100YRCHI	01/01/1995	10:53	0
ST213_100YRCHI	01/01/1995	10:54	0
ST213_100YRCHI	01/01/1995	10:55	0
ST213_100YRCHI	01/01/1995	10:56	0
ST213_100YRCHI	01/01/1995	10:57	0
ST213_100YRCHI	01/01/1995	10:58	0
ST213_100YRCHI	01/01/1995	10:59	0
ST213_100YRCHI	01/01/1995	11:00	0
ST213_100YRCHI	01/01/1995	11:01	0
ST213_100YRCHI	01/01/1995	11:02	0
ST213_100YRCHI	01/01/1995	11:03	0
ST213_100YRCHI	01/01/1995	11:04	0
ST213_100YRCHI	01/01/1995	11:05	0
ST213_100YRCHI	01/01/1995	11:06	0
ST213_100YRCHI	01/01/1995	11:07	0
ST213_100YRCHI	01/01/1995	11:08	0
ST213_100YRCHI	01/01/1995	11:09	0
ST213_100YRCHI	01/01/1995	11:10	0
ST213_100YRCHI	01/01/1995	11:11	0
ST213_100YRCHI	01/01/1995	11:12	0
ST213_100YRCHI	01/01/1995	11:13	0
ST213_100YRCHI	01/01/1995	11:14	0
ST213_100YRCHI	01/01/1995	11:15	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	11:16	0
ST213_100YRCHI	01/01/1995	11:17	0
ST213_100YRCHI	01/01/1995	11:18	0
ST213_100YRCHI	01/01/1995	11:19	0
ST213_100YRCHI	01/01/1995	11:20	0
ST213_100YRCHI	01/01/1995	11:21	0
ST213_100YRCHI	01/01/1995	11:22	0
ST213_100YRCHI	01/01/1995	11:23	0
ST213_100YRCHI	01/01/1995	11:24	0
ST213_100YRCHI	01/01/1995	11:25	0
ST213_100YRCHI	01/01/1995	11:26	0
ST213_100YRCHI	01/01/1995	11:27	0
ST213_100YRCHI	01/01/1995	11:28	0
ST213_100YRCHI	01/01/1995	11:29	0
ST213_100YRCHI	01/01/1995	11:30	0
ST213_100YRCHI	01/01/1995	11:31	0
ST213_100YRCHI	01/01/1995	11:32	0
ST213_100YRCHI	01/01/1995	11:33	0
ST213_100YRCHI	01/01/1995	11:34	0
ST213_100YRCHI	01/01/1995	11:35	0
ST213_100YRCHI	01/01/1995	11:36	0
ST213_100YRCHI	01/01/1995	11:37	0
ST213_100YRCHI	01/01/1995	11:38	0
ST213_100YRCHI	01/01/1995	11:39	0
ST213_100YRCHI	01/01/1995	11:40	0
ST213_100YRCHI	01/01/1995	11:41	0
ST213_100YRCHI	01/01/1995	11:42	0
ST213_100YRCHI	01/01/1995	11:43	0
ST213_100YRCHI	01/01/1995	11:44	0
ST213_100YRCHI	01/01/1995	11:45	0
ST213_100YRCHI	01/01/1995	11:46	0
ST213_100YRCHI	01/01/1995	11:47	0
ST213_100YRCHI	01/01/1995	11:48	0
ST213_100YRCHI	01/01/1995	11:49	0
ST213_100YRCHI	01/01/1995	11:50	0
ST213_100YRCHI	01/01/1995	11:51	0
ST213_100YRCHI	01/01/1995	11:52	0
ST213_100YRCHI	01/01/1995	11:53	0
ST213_100YRCHI	01/01/1995	11:54	0
ST213_100YRCHI	01/01/1995	11:55	0
ST213_100YRCHI	01/01/1995	11:56	0
ST213_100YRCHI	01/01/1995	11:57	0
ST213_100YRCHI	01/01/1995	11:58	0
ST213_100YRCHI	01/01/1995	11:59	0
ST213_100YRCHI	01/01/1995	12:00	0
ST213_100YRCHI	01/01/1995	12:01	0
ST213_100YRCHI	01/01/1995	12:02	0
ST213_100YRCHI	01/01/1995	12:03	0
ST213_100YRCHI	01/01/1995	12:04	0
ST213_100YRCHI	01/01/1995	12:05	0
ST213_100YRCHI	01/01/1995	12:06	0
ST213_100YRCHI	01/01/1995	12:07	0
ST213_100YRCHI	01/01/1995	12:08	0
ST213_100YRCHI	01/01/1995	12:09	0
ST213_100YRCHI	01/01/1995	12:10	0
ST213_100YRCHI	01/01/1995	12:11	0
ST213_100YRCHI	01/01/1995	12:12	0
ST213_100YRCHI	01/01/1995	12:13	0
ST213_100YRCHI	01/01/1995	12:14	0
ST213_100YRCHI	01/01/1995	12:15	0
ST213_100YRCHI	01/01/1995	12:16	0
ST213_100YRCHI	01/01/1995	12:17	0
ST213_100YRCHI	01/01/1995	12:18	0
ST213_100YRCHI	01/01/1995	12:19	0
ST213_100YRCHI	01/01/1995	12:20	0
ST213_100YRCHI	01/01/1995	12:21	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	12:22	0
ST213_100YRCHI	01/01/1995	12:23	0
ST213_100YRCHI	01/01/1995	12:24	0
ST213_100YRCHI	01/01/1995	12:25	0
ST213_100YRCHI	01/01/1995	12:26	0
ST213_100YRCHI	01/01/1995	12:27	0
ST213_100YRCHI	01/01/1995	12:28	0
ST213_100YRCHI	01/01/1995	12:29	0
ST213_100YRCHI	01/01/1995	12:30	0
ST213_100YRCHI	01/01/1995	12:31	0
ST213_100YRCHI	01/01/1995	12:32	0
ST213_100YRCHI	01/01/1995	12:33	0
ST213_100YRCHI	01/01/1995	12:34	0
ST213_100YRCHI	01/01/1995	12:35	0
ST213_100YRCHI	01/01/1995	12:36	0
ST213_100YRCHI	01/01/1995	12:37	0
ST213_100YRCHI	01/01/1995	12:38	0
ST213_100YRCHI	01/01/1995	12:39	0
ST213_100YRCHI	01/01/1995	12:40	0
ST213_100YRCHI	01/01/1995	12:41	0
ST213_100YRCHI	01/01/1995	12:42	0
ST213_100YRCHI	01/01/1995	12:43	0
ST213_100YRCHI	01/01/1995	12:44	0
ST213_100YRCHI	01/01/1995	12:45	0
ST213_100YRCHI	01/01/1995	12:46	0
ST213_100YRCHI	01/01/1995	12:47	0
ST213_100YRCHI	01/01/1995	12:48	0
ST213_100YRCHI	01/01/1995	12:49	0
ST213_100YRCHI	01/01/1995	12:50	0
ST213_100YRCHI	01/01/1995	12:51	0
ST213_100YRCHI	01/01/1995	12:52	0
ST213_100YRCHI	01/01/1995	12:53	0
ST213_100YRCHI	01/01/1995	12:54	0
ST213_100YRCHI	01/01/1995	12:55	0
ST213_100YRCHI	01/01/1995	12:56	0
ST213_100YRCHI	01/01/1995	12:57	0
ST213_100YRCHI	01/01/1995	12:58	0
ST213_100YRCHI	01/01/1995	12:59	0
ST213_100YRCHI	01/01/1995	13:00	0
ST213_100YRCHI	01/01/1995	13:01	0
ST213_100YRCHI	01/01/1995	13:02	0
ST213_100YRCHI	01/01/1995	13:03	0
ST213_100YRCHI	01/01/1995	13:04	0
ST213_100YRCHI	01/01/1995	13:05	0
ST213_100YRCHI	01/01/1995	13:06	0
ST213_100YRCHI	01/01/1995	13:07	0
ST213_100YRCHI	01/01/1995	13:08	0
ST213_100YRCHI	01/01/1995	13:09	0
ST213_100YRCHI	01/01/1995	13:10	0
ST213_100YRCHI	01/01/1995	13:11	0
ST213_100YRCHI	01/01/1995	13:12	0
ST213_100YRCHI	01/01/1995	13:13	0
ST213_100YRCHI	01/01/1995	13:14	0
ST213_100YRCHI	01/01/1995	13:15	0
ST213_100YRCHI	01/01/1995	13:16	0
ST213_100YRCHI	01/01/1995	13:17	0
ST213_100YRCHI	01/01/1995	13:18	0
ST213_100YRCHI	01/01/1995	13:19	0
ST213_100YRCHI	01/01/1995	13:20	0
ST213_100YRCHI	01/01/1995	13:21	0
ST213_100YRCHI	01/01/1995	13:22	0
ST213_100YRCHI	01/01/1995	13:23	0
ST213_100YRCHI	01/01/1995	13:24	0
ST213_100YRCHI	01/01/1995	13:25	0
ST213_100YRCHI	01/01/1995	13:26	0
ST213_100YRCHI	01/01/1995	13:27	0



post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	13:28	0
ST213_100YRCHI	01/01/1995	13:29	0
ST213_100YRCHI	01/01/1995	13:30	0
ST213_100YRCHI	01/01/1995	13:31	0
ST213_100YRCHI	01/01/1995	13:32	0
ST213_100YRCHI	01/01/1995	13:33	0
ST213_100YRCHI	01/01/1995	13:34	0
ST213_100YRCHI	01/01/1995	13:35	0
ST213_100YRCHI	01/01/1995	13:36	0
ST213_100YRCHI	01/01/1995	13:37	0
ST213_100YRCHI	01/01/1995	13:38	0
ST213_100YRCHI	01/01/1995	13:39	0
ST213_100YRCHI	01/01/1995	13:40	0
ST213_100YRCHI	01/01/1995	13:41	0
ST213_100YRCHI	01/01/1995	13:42	0
ST213_100YRCHI	01/01/1995	13:43	0
ST213_100YRCHI	01/01/1995	13:44	0
ST213_100YRCHI	01/01/1995	13:45	0
ST213_100YRCHI	01/01/1995	13:46	0
ST213_100YRCHI	01/01/1995	13:47	0
ST213_100YRCHI	01/01/1995	13:48	0
ST213_100YRCHI	01/01/1995	13:49	0
ST213_100YRCHI	01/01/1995	13:50	0
ST213_100YRCHI	01/01/1995	13:51	0
ST213_100YRCHI	01/01/1995	13:52	0
ST213_100YRCHI	01/01/1995	13:53	0
ST213_100YRCHI	01/01/1995	13:54	0
ST213_100YRCHI	01/01/1995	13:55	0
ST213_100YRCHI	01/01/1995	13:56	0
ST213_100YRCHI	01/01/1995	13:57	0
ST213_100YRCHI	01/01/1995	13:58	0
ST213_100YRCHI	01/01/1995	13:59	0
ST213_100YRCHI	01/01/1995	14:00	0
ST213_100YRCHI	01/01/1995	14:01	0
ST213_100YRCHI	01/01/1995	14:02	0
ST213_100YRCHI	01/01/1995	14:03	0
ST213_100YRCHI	01/01/1995	14:04	0
ST213_100YRCHI	01/01/1995	14:05	0
ST213_100YRCHI	01/01/1995	14:06	0
ST213_100YRCHI	01/01/1995	14:07	0
ST213_100YRCHI	01/01/1995	14:08	0
ST213_100YRCHI	01/01/1995	14:09	0
ST213_100YRCHI	01/01/1995	14:10	0
ST213_100YRCHI	01/01/1995	14:11	0
ST213_100YRCHI	01/01/1995	14:12	0
ST213_100YRCHI	01/01/1995	14:13	0
ST213_100YRCHI	01/01/1995	14:14	0
ST213_100YRCHI	01/01/1995	14:15	0
ST213_100YRCHI	01/01/1995	14:16	0
ST213_100YRCHI	01/01/1995	14:17	0
ST213_100YRCHI	01/01/1995	14:18	0
ST213_100YRCHI	01/01/1995	14:19	0
ST213_100YRCHI	01/01/1995	14:20	0
ST213_100YRCHI	01/01/1995	14:21	0
ST213_100YRCHI	01/01/1995	14:22	0
ST213_100YRCHI	01/01/1995	14:23	0
ST213_100YRCHI	01/01/1995	14:24	0
ST213_100YRCHI	01/01/1995	14:25	0
ST213_100YRCHI	01/01/1995	14:26	0
ST213_100YRCHI	01/01/1995	14:27	0
ST213_100YRCHI	01/01/1995	14:28	0
ST213_100YRCHI	01/01/1995	14:29	0
ST213_100YRCHI	01/01/1995	14:30	0
ST213_100YRCHI	01/01/1995	14:31	0
ST213_100YRCHI	01/01/1995	14:32	0
ST213_100YRCHI	01/01/1995	14:33	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	14:34	0
ST213_100YRCHI	01/01/1995	14:35	0
ST213_100YRCHI	01/01/1995	14:36	0
ST213_100YRCHI	01/01/1995	14:37	0
ST213_100YRCHI	01/01/1995	14:38	0
ST213_100YRCHI	01/01/1995	14:39	0
ST213_100YRCHI	01/01/1995	14:40	0
ST213_100YRCHI	01/01/1995	14:41	0
ST213_100YRCHI	01/01/1995	14:42	0
ST213_100YRCHI	01/01/1995	14:43	0
ST213_100YRCHI	01/01/1995	14:44	0
ST213_100YRCHI	01/01/1995	14:45	0
ST213_100YRCHI	01/01/1995	14:46	0
ST213_100YRCHI	01/01/1995	14:47	0
ST213_100YRCHI	01/01/1995	14:48	0
ST213_100YRCHI	01/01/1995	14:49	0
ST213_100YRCHI	01/01/1995	14:50	0
ST213_100YRCHI	01/01/1995	14:51	0
ST213_100YRCHI	01/01/1995	14:52	0
ST213_100YRCHI	01/01/1995	14:53	0
ST213_100YRCHI	01/01/1995	14:54	0
ST213_100YRCHI	01/01/1995	14:55	0
ST213_100YRCHI	01/01/1995	14:56	0
ST213_100YRCHI	01/01/1995	14:57	0
ST213_100YRCHI	01/01/1995	14:58	0
ST213_100YRCHI	01/01/1995	14:59	0
ST213_100YRCHI	01/01/1995	15:00	0
ST213_100YRCHI	01/01/1995	15:01	0
ST213_100YRCHI	01/01/1995	15:02	0
ST213_100YRCHI	01/01/1995	15:03	0
ST213_100YRCHI	01/01/1995	15:04	0
ST213_100YRCHI	01/01/1995	15:05	0
ST213_100YRCHI	01/01/1995	15:06	0
ST213_100YRCHI	01/01/1995	15:07	0
ST213_100YRCHI	01/01/1995	15:08	0
ST213_100YRCHI	01/01/1995	15:09	0
ST213_100YRCHI	01/01/1995	15:10	0
ST213_100YRCHI	01/01/1995	15:11	0
ST213_100YRCHI	01/01/1995	15:12	0
ST213_100YRCHI	01/01/1995	15:13	0
ST213_100YRCHI	01/01/1995	15:14	0
ST213_100YRCHI	01/01/1995	15:15	0
ST213_100YRCHI	01/01/1995	15:16	0
ST213_100YRCHI	01/01/1995	15:17	0
ST213_100YRCHI	01/01/1995	15:18	0
ST213_100YRCHI	01/01/1995	15:19	0
ST213_100YRCHI	01/01/1995	15:20	0
ST213_100YRCHI	01/01/1995	15:21	0
ST213_100YRCHI	01/01/1995	15:22	0
ST213_100YRCHI	01/01/1995	15:23	0
ST213_100YRCHI	01/01/1995	15:24	0
ST213_100YRCHI	01/01/1995	15:25	0
ST213_100YRCHI	01/01/1995	15:26	0
ST213_100YRCHI	01/01/1995	15:27	0
ST213_100YRCHI	01/01/1995	15:28	0
ST213_100YRCHI	01/01/1995	15:29	0
ST213_100YRCHI	01/01/1995	15:30	0
ST213_100YRCHI	01/01/1995	15:31	0
ST213_100YRCHI	01/01/1995	15:32	0
ST213_100YRCHI	01/01/1995	15:33	0
ST213_100YRCHI	01/01/1995	15:34	0
ST213_100YRCHI	01/01/1995	15:35	0
ST213_100YRCHI	01/01/1995	15:36	0
ST213_100YRCHI	01/01/1995	15:37	0
ST213_100YRCHI	01/01/1995	15:38	0
ST213_100YRCHI	01/01/1995	15:39	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	15:40	0
ST213_100YRCHI	01/01/1995	15:41	0
ST213_100YRCHI	01/01/1995	15:42	0
ST213_100YRCHI	01/01/1995	15:43	0
ST213_100YRCHI	01/01/1995	15:44	0
ST213_100YRCHI	01/01/1995	15:45	0
ST213_100YRCHI	01/01/1995	15:46	0
ST213_100YRCHI	01/01/1995	15:47	0
ST213_100YRCHI	01/01/1995	15:48	0
ST213_100YRCHI	01/01/1995	15:49	0
ST213_100YRCHI	01/01/1995	15:50	0
ST213_100YRCHI	01/01/1995	15:51	0
ST213_100YRCHI	01/01/1995	15:52	0
ST213_100YRCHI	01/01/1995	15:53	0
ST213_100YRCHI	01/01/1995	15:54	0
ST213_100YRCHI	01/01/1995	15:55	0
ST213_100YRCHI	01/01/1995	15:56	0
ST213_100YRCHI	01/01/1995	15:57	0
ST213_100YRCHI	01/01/1995	15:58	0
ST213_100YRCHI	01/01/1995	15:59	0
ST213_100YRCHI	01/01/1995	16:00	0
ST213_100YRCHI	01/01/1995	16:01	0
ST213_100YRCHI	01/01/1995	16:02	0
ST213_100YRCHI	01/01/1995	16:03	0
ST213_100YRCHI	01/01/1995	16:04	0
ST213_100YRCHI	01/01/1995	16:05	0
ST213_100YRCHI	01/01/1995	16:06	0
ST213_100YRCHI	01/01/1995	16:07	0
ST213_100YRCHI	01/01/1995	16:08	0
ST213_100YRCHI	01/01/1995	16:09	0
ST213_100YRCHI	01/01/1995	16:10	0
ST213_100YRCHI	01/01/1995	16:11	0
ST213_100YRCHI	01/01/1995	16:12	0
ST213_100YRCHI	01/01/1995	16:13	0
ST213_100YRCHI	01/01/1995	16:14	0
ST213_100YRCHI	01/01/1995	16:15	0
ST213_100YRCHI	01/01/1995	16:16	0
ST213_100YRCHI	01/01/1995	16:17	0
ST213_100YRCHI	01/01/1995	16:18	0
ST213_100YRCHI	01/01/1995	16:19	0
ST213_100YRCHI	01/01/1995	16:20	0
ST213_100YRCHI	01/01/1995	16:21	0
ST213_100YRCHI	01/01/1995	16:22	0
ST213_100YRCHI	01/01/1995	16:23	0
ST213_100YRCHI	01/01/1995	16:24	0
ST213_100YRCHI	01/01/1995	16:25	0
ST213_100YRCHI	01/01/1995	16:26	0
ST213_100YRCHI	01/01/1995	16:27	0
ST213_100YRCHI	01/01/1995	16:28	0
ST213_100YRCHI	01/01/1995	16:29	0
ST213_100YRCHI	01/01/1995	16:30	0
ST213_100YRCHI	01/01/1995	16:31	0
ST213_100YRCHI	01/01/1995	16:32	0
ST213_100YRCHI	01/01/1995	16:33	0
ST213_100YRCHI	01/01/1995	16:34	0
ST213_100YRCHI	01/01/1995	16:35	0
ST213_100YRCHI	01/01/1995	16:36	0
ST213_100YRCHI	01/01/1995	16:37	0
ST213_100YRCHI	01/01/1995	16:38	0
ST213_100YRCHI	01/01/1995	16:39	0
ST213_100YRCHI	01/01/1995	16:40	0
ST213_100YRCHI	01/01/1995	16:41	0
ST213_100YRCHI	01/01/1995	16:42	0
ST213_100YRCHI	01/01/1995	16:43	0
ST213_100YRCHI	01/01/1995	16:44	0
ST213_100YRCHI	01/01/1995	16:45	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	16:46	0
ST213_100YRCHI	01/01/1995	16:47	0
ST213_100YRCHI	01/01/1995	16:48	0
ST213_100YRCHI	01/01/1995	16:49	0
ST213_100YRCHI	01/01/1995	16:50	0
ST213_100YRCHI	01/01/1995	16:51	0
ST213_100YRCHI	01/01/1995	16:52	0
ST213_100YRCHI	01/01/1995	16:53	0
ST213_100YRCHI	01/01/1995	16:54	0
ST213_100YRCHI	01/01/1995	16:55	0
ST213_100YRCHI	01/01/1995	16:56	0
ST213_100YRCHI	01/01/1995	16:57	0
ST213_100YRCHI	01/01/1995	16:58	0
ST213_100YRCHI	01/01/1995	16:59	0
ST213_100YRCHI	01/01/1995	17:00	0
ST213_100YRCHI	01/01/1995	17:01	0
ST213_100YRCHI	01/01/1995	17:02	0
ST213_100YRCHI	01/01/1995	17:03	0
ST213_100YRCHI	01/01/1995	17:04	0
ST213_100YRCHI	01/01/1995	17:05	0
ST213_100YRCHI	01/01/1995	17:06	0
ST213_100YRCHI	01/01/1995	17:07	0
ST213_100YRCHI	01/01/1995	17:08	0
ST213_100YRCHI	01/01/1995	17:09	0
ST213_100YRCHI	01/01/1995	17:10	0
ST213_100YRCHI	01/01/1995	17:11	0
ST213_100YRCHI	01/01/1995	17:12	0
ST213_100YRCHI	01/01/1995	17:13	0
ST213_100YRCHI	01/01/1995	17:14	0
ST213_100YRCHI	01/01/1995	17:15	0
ST213_100YRCHI	01/01/1995	17:16	0
ST213_100YRCHI	01/01/1995	17:17	0
ST213_100YRCHI	01/01/1995	17:18	0
ST213_100YRCHI	01/01/1995	17:19	0
ST213_100YRCHI	01/01/1995	17:20	0
ST213_100YRCHI	01/01/1995	17:21	0
ST213_100YRCHI	01/01/1995	17:22	0
ST213_100YRCHI	01/01/1995	17:23	0
ST213_100YRCHI	01/01/1995	17:24	0
ST213_100YRCHI	01/01/1995	17:25	0
ST213_100YRCHI	01/01/1995	17:26	0
ST213_100YRCHI	01/01/1995	17:27	0
ST213_100YRCHI	01/01/1995	17:28	0
ST213_100YRCHI	01/01/1995	17:29	0
ST213_100YRCHI	01/01/1995	17:30	0
ST213_100YRCHI	01/01/1995	17:31	0
ST213_100YRCHI	01/01/1995	17:32	0
ST213_100YRCHI	01/01/1995	17:33	0
ST213_100YRCHI	01/01/1995	17:34	0
ST213_100YRCHI	01/01/1995	17:35	0
ST213_100YRCHI	01/01/1995	17:36	0
ST213_100YRCHI	01/01/1995	17:37	0
ST213_100YRCHI	01/01/1995	17:38	0
ST213_100YRCHI	01/01/1995	17:39	0
ST213_100YRCHI	01/01/1995	17:40	0
ST213_100YRCHI	01/01/1995	17:41	0
ST213_100YRCHI	01/01/1995	17:42	0
ST213_100YRCHI	01/01/1995	17:43	0
ST213_100YRCHI	01/01/1995	17:44	0
ST213_100YRCHI	01/01/1995	17:45	0
ST213_100YRCHI	01/01/1995	17:46	0
ST213_100YRCHI	01/01/1995	17:47	0
ST213_100YRCHI	01/01/1995	17:48	0
ST213_100YRCHI	01/01/1995	17:49	0
ST213_100YRCHI	01/01/1995	17:50	0
ST213_100YRCHI	01/01/1995	17:51	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	17:52	0
ST213_100YRCHI	01/01/1995	17:53	0
ST213_100YRCHI	01/01/1995	17:54	0
ST213_100YRCHI	01/01/1995	17:55	0
ST213_100YRCHI	01/01/1995	17:56	0
ST213_100YRCHI	01/01/1995	17:57	0
ST213_100YRCHI	01/01/1995	17:58	0
ST213_100YRCHI	01/01/1995	17:59	0
ST213_100YRCHI	01/01/1995	18:00	0
ST213_100YRCHI	01/01/1995	18:01	0
ST213_100YRCHI	01/01/1995	18:02	0
ST213_100YRCHI	01/01/1995	18:03	0
ST213_100YRCHI	01/01/1995	18:04	0
ST213_100YRCHI	01/01/1995	18:05	0
ST213_100YRCHI	01/01/1995	18:06	0
ST213_100YRCHI	01/01/1995	18:07	0
ST213_100YRCHI	01/01/1995	18:08	0
ST213_100YRCHI	01/01/1995	18:09	0
ST213_100YRCHI	01/01/1995	18:10	0
ST213_100YRCHI	01/01/1995	18:11	0
ST213_100YRCHI	01/01/1995	18:12	0
ST213_100YRCHI	01/01/1995	18:13	0
ST213_100YRCHI	01/01/1995	18:14	0
ST213_100YRCHI	01/01/1995	18:15	0
ST213_100YRCHI	01/01/1995	18:16	0
ST213_100YRCHI	01/01/1995	18:17	0
ST213_100YRCHI	01/01/1995	18:18	0
ST213_100YRCHI	01/01/1995	18:19	0
ST213_100YRCHI	01/01/1995	18:20	0
ST213_100YRCHI	01/01/1995	18:21	0
ST213_100YRCHI	01/01/1995	18:22	0
ST213_100YRCHI	01/01/1995	18:23	0
ST213_100YRCHI	01/01/1995	18:24	0
ST213_100YRCHI	01/01/1995	18:25	0
ST213_100YRCHI	01/01/1995	18:26	0
ST213_100YRCHI	01/01/1995	18:27	0
ST213_100YRCHI	01/01/1995	18:28	0
ST213_100YRCHI	01/01/1995	18:29	0
ST213_100YRCHI	01/01/1995	18:30	0
ST213_100YRCHI	01/01/1995	18:31	0
ST213_100YRCHI	01/01/1995	18:32	0
ST213_100YRCHI	01/01/1995	18:33	0
ST213_100YRCHI	01/01/1995	18:34	0
ST213_100YRCHI	01/01/1995	18:35	0
ST213_100YRCHI	01/01/1995	18:36	0
ST213_100YRCHI	01/01/1995	18:37	0
ST213_100YRCHI	01/01/1995	18:38	0
ST213_100YRCHI	01/01/1995	18:39	0
ST213_100YRCHI	01/01/1995	18:40	0
ST213_100YRCHI	01/01/1995	18:41	0
ST213_100YRCHI	01/01/1995	18:42	0
ST213_100YRCHI	01/01/1995	18:43	0
ST213_100YRCHI	01/01/1995	18:44	0
ST213_100YRCHI	01/01/1995	18:45	0
ST213_100YRCHI	01/01/1995	18:46	0
ST213_100YRCHI	01/01/1995	18:47	0
ST213_100YRCHI	01/01/1995	18:48	0
ST213_100YRCHI	01/01/1995	18:49	0
ST213_100YRCHI	01/01/1995	18:50	0
ST213_100YRCHI	01/01/1995	18:51	0
ST213_100YRCHI	01/01/1995	18:52	0
ST213_100YRCHI	01/01/1995	18:53	0
ST213_100YRCHI	01/01/1995	18:54	0
ST213_100YRCHI	01/01/1995	18:55	0
ST213_100YRCHI	01/01/1995	18:56	0
ST213_100YRCHI	01/01/1995	18:57	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	18:58	0
ST213_100YRCHI	01/01/1995	18:59	0
ST213_100YRCHI	01/01/1995	19:00	0
ST213_100YRCHI	01/01/1995	19:01	0
ST213_100YRCHI	01/01/1995	19:02	0
ST213_100YRCHI	01/01/1995	19:03	0
ST213_100YRCHI	01/01/1995	19:04	0
ST213_100YRCHI	01/01/1995	19:05	0
ST213_100YRCHI	01/01/1995	19:06	0
ST213_100YRCHI	01/01/1995	19:07	0
ST213_100YRCHI	01/01/1995	19:08	0
ST213_100YRCHI	01/01/1995	19:09	0
ST213_100YRCHI	01/01/1995	19:10	0
ST213_100YRCHI	01/01/1995	19:11	0
ST213_100YRCHI	01/01/1995	19:12	0
ST213_100YRCHI	01/01/1995	19:13	0
ST213_100YRCHI	01/01/1995	19:14	0
ST213_100YRCHI	01/01/1995	19:15	0
ST213_100YRCHI	01/01/1995	19:16	0
ST213_100YRCHI	01/01/1995	19:17	0
ST213_100YRCHI	01/01/1995	19:18	0
ST213_100YRCHI	01/01/1995	19:19	0
ST213_100YRCHI	01/01/1995	19:20	0
ST213_100YRCHI	01/01/1995	19:21	0
ST213_100YRCHI	01/01/1995	19:22	0
ST213_100YRCHI	01/01/1995	19:23	0
ST213_100YRCHI	01/01/1995	19:24	0
ST213_100YRCHI	01/01/1995	19:25	0
ST213_100YRCHI	01/01/1995	19:26	0
ST213_100YRCHI	01/01/1995	19:27	0
ST213_100YRCHI	01/01/1995	19:28	0
ST213_100YRCHI	01/01/1995	19:29	0
ST213_100YRCHI	01/01/1995	19:30	0
ST213_100YRCHI	01/01/1995	19:31	0
ST213_100YRCHI	01/01/1995	19:32	0
ST213_100YRCHI	01/01/1995	19:33	0
ST213_100YRCHI	01/01/1995	19:34	0
ST213_100YRCHI	01/01/1995	19:35	0
ST213_100YRCHI	01/01/1995	19:36	0
ST213_100YRCHI	01/01/1995	19:37	0
ST213_100YRCHI	01/01/1995	19:38	0
ST213_100YRCHI	01/01/1995	19:39	0
ST213_100YRCHI	01/01/1995	19:40	0
ST213_100YRCHI	01/01/1995	19:41	0
ST213_100YRCHI	01/01/1995	19:42	0
ST213_100YRCHI	01/01/1995	19:43	0
ST213_100YRCHI	01/01/1995	19:44	0
ST213_100YRCHI	01/01/1995	19:45	0
ST213_100YRCHI	01/01/1995	19:46	0
ST213_100YRCHI	01/01/1995	19:47	0
ST213_100YRCHI	01/01/1995	19:48	0
ST213_100YRCHI	01/01/1995	19:49	0
ST213_100YRCHI	01/01/1995	19:50	0
ST213_100YRCHI	01/01/1995	19:51	0
ST213_100YRCHI	01/01/1995	19:52	0
ST213_100YRCHI	01/01/1995	19:53	0
ST213_100YRCHI	01/01/1995	19:54	0
ST213_100YRCHI	01/01/1995	19:55	0
ST213_100YRCHI	01/01/1995	19:56	0
ST213_100YRCHI	01/01/1995	19:57	0
ST213_100YRCHI	01/01/1995	19:58	0
ST213_100YRCHI	01/01/1995	19:59	0
ST213_100YRCHI	01/01/1995	20:00	0
ST213_100YRCHI	01/01/1995	20:01	0
ST213_100YRCHI	01/01/1995	20:02	0
ST213_100YRCHI	01/01/1995	20:03	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	20:04	0
ST213_100YRCHI	01/01/1995	20:05	0
ST213_100YRCHI	01/01/1995	20:06	0
ST213_100YRCHI	01/01/1995	20:07	0
ST213_100YRCHI	01/01/1995	20:08	0
ST213_100YRCHI	01/01/1995	20:09	0
ST213_100YRCHI	01/01/1995	20:10	0
ST213_100YRCHI	01/01/1995	20:11	0
ST213_100YRCHI	01/01/1995	20:12	0
ST213_100YRCHI	01/01/1995	20:13	0
ST213_100YRCHI	01/01/1995	20:14	0
ST213_100YRCHI	01/01/1995	20:15	0
ST213_100YRCHI	01/01/1995	20:16	0
ST213_100YRCHI	01/01/1995	20:17	0
ST213_100YRCHI	01/01/1995	20:18	0
ST213_100YRCHI	01/01/1995	20:19	0
ST213_100YRCHI	01/01/1995	20:20	0
ST213_100YRCHI	01/01/1995	20:21	0
ST213_100YRCHI	01/01/1995	20:22	0
ST213_100YRCHI	01/01/1995	20:23	0
ST213_100YRCHI	01/01/1995	20:24	0
ST213_100YRCHI	01/01/1995	20:25	0
ST213_100YRCHI	01/01/1995	20:26	0
ST213_100YRCHI	01/01/1995	20:27	0
ST213_100YRCHI	01/01/1995	20:28	0
ST213_100YRCHI	01/01/1995	20:29	0
ST213_100YRCHI	01/01/1995	20:30	0
ST213_100YRCHI	01/01/1995	20:31	0
ST213_100YRCHI	01/01/1995	20:32	0
ST213_100YRCHI	01/01/1995	20:33	0
ST213_100YRCHI	01/01/1995	20:34	0
ST213_100YRCHI	01/01/1995	20:35	0
ST213_100YRCHI	01/01/1995	20:36	0
ST213_100YRCHI	01/01/1995	20:37	0
ST213_100YRCHI	01/01/1995	20:38	0
ST213_100YRCHI	01/01/1995	20:39	0
ST213_100YRCHI	01/01/1995	20:40	0
ST213_100YRCHI	01/01/1995	20:41	0
ST213_100YRCHI	01/01/1995	20:42	0
ST213_100YRCHI	01/01/1995	20:43	0
ST213_100YRCHI	01/01/1995	20:44	0
ST213_100YRCHI	01/01/1995	20:45	0
ST213_100YRCHI	01/01/1995	20:46	0
ST213_100YRCHI	01/01/1995	20:47	0
ST213_100YRCHI	01/01/1995	20:48	0
ST213_100YRCHI	01/01/1995	20:49	0
ST213_100YRCHI	01/01/1995	20:50	0
ST213_100YRCHI	01/01/1995	20:51	0
ST213_100YRCHI	01/01/1995	20:52	0
ST213_100YRCHI	01/01/1995	20:53	0
ST213_100YRCHI	01/01/1995	20:54	0
ST213_100YRCHI	01/01/1995	20:55	0
ST213_100YRCHI	01/01/1995	20:56	0
ST213_100YRCHI	01/01/1995	20:57	0
ST213_100YRCHI	01/01/1995	20:58	0
ST213_100YRCHI	01/01/1995	20:59	0
ST213_100YRCHI	01/01/1995	21:00	0
ST213_100YRCHI	01/01/1995	21:01	0
ST213_100YRCHI	01/01/1995	21:02	0
ST213_100YRCHI	01/01/1995	21:03	0
ST213_100YRCHI	01/01/1995	21:04	0
ST213_100YRCHI	01/01/1995	21:05	0
ST213_100YRCHI	01/01/1995	21:06	0
ST213_100YRCHI	01/01/1995	21:07	0
ST213_100YRCHI	01/01/1995	21:08	0
ST213_100YRCHI	01/01/1995	21:09	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	21:10	0
ST213_100YRCHI	01/01/1995	21:11	0
ST213_100YRCHI	01/01/1995	21:12	0
ST213_100YRCHI	01/01/1995	21:13	0
ST213_100YRCHI	01/01/1995	21:14	0
ST213_100YRCHI	01/01/1995	21:15	0
ST213_100YRCHI	01/01/1995	21:16	0
ST213_100YRCHI	01/01/1995	21:17	0
ST213_100YRCHI	01/01/1995	21:18	0
ST213_100YRCHI	01/01/1995	21:19	0
ST213_100YRCHI	01/01/1995	21:20	0
ST213_100YRCHI	01/01/1995	21:21	0
ST213_100YRCHI	01/01/1995	21:22	0
ST213_100YRCHI	01/01/1995	21:23	0
ST213_100YRCHI	01/01/1995	21:24	0
ST213_100YRCHI	01/01/1995	21:25	0
ST213_100YRCHI	01/01/1995	21:26	0
ST213_100YRCHI	01/01/1995	21:27	0
ST213_100YRCHI	01/01/1995	21:28	0
ST213_100YRCHI	01/01/1995	21:29	0
ST213_100YRCHI	01/01/1995	21:30	0
ST213_100YRCHI	01/01/1995	21:31	0
ST213_100YRCHI	01/01/1995	21:32	0
ST213_100YRCHI	01/01/1995	21:33	0
ST213_100YRCHI	01/01/1995	21:34	0
ST213_100YRCHI	01/01/1995	21:35	0
ST213_100YRCHI	01/01/1995	21:36	0
ST213_100YRCHI	01/01/1995	21:37	0
ST213_100YRCHI	01/01/1995	21:38	0
ST213_100YRCHI	01/01/1995	21:39	0
ST213_100YRCHI	01/01/1995	21:40	0
ST213_100YRCHI	01/01/1995	21:41	0
ST213_100YRCHI	01/01/1995	21:42	0
ST213_100YRCHI	01/01/1995	21:43	0
ST213_100YRCHI	01/01/1995	21:44	0
ST213_100YRCHI	01/01/1995	21:45	0
ST213_100YRCHI	01/01/1995	21:46	0
ST213_100YRCHI	01/01/1995	21:47	0
ST213_100YRCHI	01/01/1995	21:48	0
ST213_100YRCHI	01/01/1995	21:49	0
ST213_100YRCHI	01/01/1995	21:50	0
ST213_100YRCHI	01/01/1995	21:51	0
ST213_100YRCHI	01/01/1995	21:52	0
ST213_100YRCHI	01/01/1995	21:53	0
ST213_100YRCHI	01/01/1995	21:54	0
ST213_100YRCHI	01/01/1995	21:55	0
ST213_100YRCHI	01/01/1995	21:56	0
ST213_100YRCHI	01/01/1995	21:57	0
ST213_100YRCHI	01/01/1995	21:58	0
ST213_100YRCHI	01/01/1995	21:59	0
ST213_100YRCHI	01/01/1995	22:00	0
ST213_100YRCHI	01/01/1995	22:01	0
ST213_100YRCHI	01/01/1995	22:02	0
ST213_100YRCHI	01/01/1995	22:03	0
ST213_100YRCHI	01/01/1995	22:04	0
ST213_100YRCHI	01/01/1995	22:05	0
ST213_100YRCHI	01/01/1995	22:06	0
ST213_100YRCHI	01/01/1995	22:07	0
ST213_100YRCHI	01/01/1995	22:08	0
ST213_100YRCHI	01/01/1995	22:09	0
ST213_100YRCHI	01/01/1995	22:10	0
ST213_100YRCHI	01/01/1995	22:11	0
ST213_100YRCHI	01/01/1995	22:12	0
ST213_100YRCHI	01/01/1995	22:13	0
ST213_100YRCHI	01/01/1995	22:14	0
ST213_100YRCHI	01/01/1995	22:15	0



post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	22:16	0
ST213_100YRCHI	01/01/1995	22:17	0
ST213_100YRCHI	01/01/1995	22:18	0
ST213_100YRCHI	01/01/1995	22:19	0
ST213_100YRCHI	01/01/1995	22:20	0
ST213_100YRCHI	01/01/1995	22:21	0
ST213_100YRCHI	01/01/1995	22:22	0
ST213_100YRCHI	01/01/1995	22:23	0
ST213_100YRCHI	01/01/1995	22:24	0
ST213_100YRCHI	01/01/1995	22:25	0
ST213_100YRCHI	01/01/1995	22:26	0
ST213_100YRCHI	01/01/1995	22:27	0
ST213_100YRCHI	01/01/1995	22:28	0
ST213_100YRCHI	01/01/1995	22:29	0
ST213_100YRCHI	01/01/1995	22:30	0
ST213_100YRCHI	01/01/1995	22:31	0
ST213_100YRCHI	01/01/1995	22:32	0
ST213_100YRCHI	01/01/1995	22:33	0
ST213_100YRCHI	01/01/1995	22:34	0
ST213_100YRCHI	01/01/1995	22:35	0
ST213_100YRCHI	01/01/1995	22:36	0
ST213_100YRCHI	01/01/1995	22:37	0
ST213_100YRCHI	01/01/1995	22:38	0
ST213_100YRCHI	01/01/1995	22:39	0
ST213_100YRCHI	01/01/1995	22:40	0
ST213_100YRCHI	01/01/1995	22:41	0
ST213_100YRCHI	01/01/1995	22:42	0
ST213_100YRCHI	01/01/1995	22:43	0
ST213_100YRCHI	01/01/1995	22:44	0
ST213_100YRCHI	01/01/1995	22:45	0
ST213_100YRCHI	01/01/1995	22:46	0
ST213_100YRCHI	01/01/1995	22:47	0
ST213_100YRCHI	01/01/1995	22:48	0
ST213_100YRCHI	01/01/1995	22:49	0
ST213_100YRCHI	01/01/1995	22:50	0
ST213_100YRCHI	01/01/1995	22:51	0
ST213_100YRCHI	01/01/1995	22:52	0
ST213_100YRCHI	01/01/1995	22:53	0
ST213_100YRCHI	01/01/1995	22:54	0
ST213_100YRCHI	01/01/1995	22:55	0
ST213_100YRCHI	01/01/1995	22:56	0
ST213_100YRCHI	01/01/1995	22:57	0
ST213_100YRCHI	01/01/1995	22:58	0
ST213_100YRCHI	01/01/1995	22:59	0
ST213_100YRCHI	01/01/1995	23:00	0
ST213_100YRCHI	01/01/1995	23:01	0
ST213_100YRCHI	01/01/1995	23:02	0
ST213_100YRCHI	01/01/1995	23:03	0
ST213_100YRCHI	01/01/1995	23:04	0
ST213_100YRCHI	01/01/1995	23:05	0
ST213_100YRCHI	01/01/1995	23:06	0
ST213_100YRCHI	01/01/1995	23:07	0
ST213_100YRCHI	01/01/1995	23:08	0
ST213_100YRCHI	01/01/1995	23:09	0
ST213_100YRCHI	01/01/1995	23:10	0
ST213_100YRCHI	01/01/1995	23:11	0
ST213_100YRCHI	01/01/1995	23:12	0
ST213_100YRCHI	01/01/1995	23:13	0
ST213_100YRCHI	01/01/1995	23:14	0
ST213_100YRCHI	01/01/1995	23:15	0
ST213_100YRCHI	01/01/1995	23:16	0
ST213_100YRCHI	01/01/1995	23:17	0
ST213_100YRCHI	01/01/1995	23:18	0
ST213_100YRCHI	01/01/1995	23:19	0
ST213_100YRCHI	01/01/1995	23:20	0
ST213_100YRCHI	01/01/1995	23:21	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/01/1995	23:22	0
ST213_100YRCHI	01/01/1995	23:23	0
ST213_100YRCHI	01/01/1995	23:24	0
ST213_100YRCHI	01/01/1995	23:25	0
ST213_100YRCHI	01/01/1995	23:26	0
ST213_100YRCHI	01/01/1995	23:27	0
ST213_100YRCHI	01/01/1995	23:28	0
ST213_100YRCHI	01/01/1995	23:29	0
ST213_100YRCHI	01/01/1995	23:30	0
ST213_100YRCHI	01/01/1995	23:31	0
ST213_100YRCHI	01/01/1995	23:32	0
ST213_100YRCHI	01/01/1995	23:33	0
ST213_100YRCHI	01/01/1995	23:34	0
ST213_100YRCHI	01/01/1995	23:35	0
ST213_100YRCHI	01/01/1995	23:36	0
ST213_100YRCHI	01/01/1995	23:37	0
ST213_100YRCHI	01/01/1995	23:38	0
ST213_100YRCHI	01/01/1995	23:39	0
ST213_100YRCHI	01/01/1995	23:40	0
ST213_100YRCHI	01/01/1995	23:41	0
ST213_100YRCHI	01/01/1995	23:42	0
ST213_100YRCHI	01/01/1995	23:43	0
ST213_100YRCHI	01/01/1995	23:44	0
ST213_100YRCHI	01/01/1995	23:45	0
ST213_100YRCHI	01/01/1995	23:46	0
ST213_100YRCHI	01/01/1995	23:47	0
ST213_100YRCHI	01/01/1995	23:48	0
ST213_100YRCHI	01/01/1995	23:49	0
ST213_100YRCHI	01/01/1995	23:50	0
ST213_100YRCHI	01/01/1995	23:51	0
ST213_100YRCHI	01/01/1995	23:52	0
ST213_100YRCHI	01/01/1995	23:53	0
ST213_100YRCHI	01/01/1995	23:54	0
ST213_100YRCHI	01/01/1995	23:55	0
ST213_100YRCHI	01/01/1995	23:56	0
ST213_100YRCHI	01/01/1995	23:57	0
ST213_100YRCHI	01/01/1995	23:58	0
ST213_100YRCHI	01/01/1995	23:59	0
ST213_100YRCHI	01/02/1995	0:00	0
ST213_100YRCHI	01/02/1995	0:01	0
ST213_100YRCHI	01/02/1995	0:02	0
ST213_100YRCHI	01/02/1995	0:03	0
ST213_100YRCHI	01/02/1995	0:04	0
ST213_100YRCHI	01/02/1995	0:05	0
ST213_100YRCHI	01/02/1995	0:06	0
ST213_100YRCHI	01/02/1995	0:07	0
ST213_100YRCHI	01/02/1995	0:08	0
ST213_100YRCHI	01/02/1995	0:09	0
ST213_100YRCHI	01/02/1995	0:10	0
ST213_100YRCHI	01/02/1995	0:11	0
ST213_100YRCHI	01/02/1995	0:12	0
ST213_100YRCHI	01/02/1995	0:13	0
ST213_100YRCHI	01/02/1995	0:14	0
ST213_100YRCHI	01/02/1995	0:15	0
ST213_100YRCHI	01/02/1995	0:16	0
ST213_100YRCHI	01/02/1995	0:17	0
ST213_100YRCHI	01/02/1995	0:18	0
ST213_100YRCHI	01/02/1995	0:19	0
ST213_100YRCHI	01/02/1995	0:20	0
ST213_100YRCHI	01/02/1995	0:21	0
ST213_100YRCHI	01/02/1995	0:22	0
ST213_100YRCHI	01/02/1995	0:23	0
ST213_100YRCHI	01/02/1995	0:24	0
ST213_100YRCHI	01/02/1995	0:25	0
ST213_100YRCHI	01/02/1995	0:26	0
ST213_100YRCHI	01/02/1995	0:27	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/02/1995	0:28	0
ST213_100YRCHI	01/02/1995	0:29	0
ST213_100YRCHI	01/02/1995	0:30	0
ST213_100YRCHI	01/02/1995	0:31	0
ST213_100YRCHI	01/02/1995	0:32	0
ST213_100YRCHI	01/02/1995	0:33	0
ST213_100YRCHI	01/02/1995	0:34	0
ST213_100YRCHI	01/02/1995	0:35	0
ST213_100YRCHI	01/02/1995	0:36	0
ST213_100YRCHI	01/02/1995	0:37	0
ST213_100YRCHI	01/02/1995	0:38	0
ST213_100YRCHI	01/02/1995	0:39	0
ST213_100YRCHI	01/02/1995	0:40	0
ST213_100YRCHI	01/02/1995	0:41	0
ST213_100YRCHI	01/02/1995	0:42	0
ST213_100YRCHI	01/02/1995	0:43	0
ST213_100YRCHI	01/02/1995	0:44	0
ST213_100YRCHI	01/02/1995	0:45	0
ST213_100YRCHI	01/02/1995	0:46	0
ST213_100YRCHI	01/02/1995	0:47	0
ST213_100YRCHI	01/02/1995	0:48	0
ST213_100YRCHI	01/02/1995	0:49	0
ST213_100YRCHI	01/02/1995	0:50	0
ST213_100YRCHI	01/02/1995	0:51	0
ST213_100YRCHI	01/02/1995	0:52	0
ST213_100YRCHI	01/02/1995	0:53	0
ST213_100YRCHI	01/02/1995	0:54	0
ST213_100YRCHI	01/02/1995	0:55	0
ST213_100YRCHI	01/02/1995	0:56	0
ST213_100YRCHI	01/02/1995	0:57	0
ST213_100YRCHI	01/02/1995	0:58	0
ST213_100YRCHI	01/02/1995	0:59	0
ST213_100YRCHI	01/02/1995	1:00	0
ST213_100YRCHI	01/02/1995	1:01	0
ST213_100YRCHI	01/02/1995	1:02	0
ST213_100YRCHI	01/02/1995	1:03	0
ST213_100YRCHI	01/02/1995	1:04	0
ST213_100YRCHI	01/02/1995	1:05	0
ST213_100YRCHI	01/02/1995	1:06	0
ST213_100YRCHI	01/02/1995	1:07	0
ST213_100YRCHI	01/02/1995	1:08	0
ST213_100YRCHI	01/02/1995	1:09	0
ST213_100YRCHI	01/02/1995	1:10	0
ST213_100YRCHI	01/02/1995	1:11	0
ST213_100YRCHI	01/02/1995	1:12	0
ST213_100YRCHI	01/02/1995	1:13	0
ST213_100YRCHI	01/02/1995	1:14	0
ST213_100YRCHI	01/02/1995	1:15	0
ST213_100YRCHI	01/02/1995	1:16	0
ST213_100YRCHI	01/02/1995	1:17	0
ST213_100YRCHI	01/02/1995	1:18	0
ST213_100YRCHI	01/02/1995	1:19	0
ST213_100YRCHI	01/02/1995	1:20	0
ST213_100YRCHI	01/02/1995	1:21	0
ST213_100YRCHI	01/02/1995	1:22	0
ST213_100YRCHI	01/02/1995	1:23	0
ST213_100YRCHI	01/02/1995	1:24	0
ST213_100YRCHI	01/02/1995	1:25	0
ST213_100YRCHI	01/02/1995	1:26	0
ST213_100YRCHI	01/02/1995	1:27	0
ST213_100YRCHI	01/02/1995	1:28	0
ST213_100YRCHI	01/02/1995	1:29	0
ST213_100YRCHI	01/02/1995	1:30	0
ST213_100YRCHI	01/02/1995	1:31	0
ST213_100YRCHI	01/02/1995	1:32	0
ST213_100YRCHI	01/02/1995	1:33	0

post\_pond2\_2017-06-09\_100chi.inp

ST213_100YRCHI	01/02/1995	1:34	0
ST213_100YRCHI	01/02/1995	1:35	0
ST213_100YRCHI	01/02/1995	1:36	0
ST213_100YRCHI	01/02/1995	1:37	0
ST213_100YRCHI	01/02/1995	1:38	0
ST213_100YRCHI	01/02/1995	1:39	0
ST213_100YRCHI	01/02/1995	1:40	0
ST213_100YRCHI	01/02/1995	1:41	0
ST213_100YRCHI	01/02/1995	1:42	0
ST213_100YRCHI	01/02/1995	1:43	0
ST213_100YRCHI	01/02/1995	1:44	0
ST213_100YRCHI	01/02/1995	1:45	0
ST213_100YRCHI	01/02/1995	1:46	0
ST213_100YRCHI	01/02/1995	1:47	0
ST213_100YRCHI	01/02/1995	1:48	0
ST213_100YRCHI	01/02/1995	1:49	0
ST213_100YRCHI	01/02/1995	1:50	0
ST213_100YRCHI	01/02/1995	1:51	0
ST213_100YRCHI	01/02/1995	1:52	0
ST213_100YRCHI	01/02/1995	1:53	0
ST213_100YRCHI	01/02/1995	1:54	0
ST213_100YRCHI	01/02/1995	1:55	0
ST213_100YRCHI	01/02/1995	1:56	0
ST213_100YRCHI	01/02/1995	1:57	0
ST213_100YRCHI	01/02/1995	1:58	0
ST213_100YRCHI	01/02/1995	1:59	0
ST213_100YRCHI	01/02/1995	2:00	0
ST232_100YRCHI	01/01/1995	1:01	0
ST232_100YRCHI	01/01/1995	1:02	0
ST232_100YRCHI	01/01/1995	1:03	0
ST232_100YRCHI	01/01/1995	1:04	0
ST232_100YRCHI	01/01/1995	1:05	0
ST232_100YRCHI	01/01/1995	1:06	0
ST232_100YRCHI	01/01/1995	1:07	0
ST232_100YRCHI	01/01/1995	1:08	0
ST232_100YRCHI	01/01/1995	1:09	0
ST232_100YRCHI	01/01/1995	1:10	0
ST232_100YRCHI	01/01/1995	1:11	0
ST232_100YRCHI	01/01/1995	1:12	5.549562E-06
ST232_100YRCHI	01/01/1995	1:13	0.001162643
ST232_100YRCHI	01/01/1995	1:14	0.006628815
ST232_100YRCHI	01/01/1995	1:15	0.0120994
ST232_100YRCHI	01/01/1995	1:16	0.01512963
ST232_100YRCHI	01/01/1995	1:17	0.01700494
ST232_100YRCHI	01/01/1995	1:18	0.01819744
ST232_100YRCHI	01/01/1995	1:19	0.01902272
ST232_100YRCHI	01/01/1995	1:20	0.01982246
ST232_100YRCHI	01/01/1995	1:21	0.02079017
ST232_100YRCHI	01/01/1995	1:22	0.02169879
ST232_100YRCHI	01/01/1995	1:23	0.02303234
ST232_100YRCHI	01/01/1995	1:24	0.02478827
ST232_100YRCHI	01/01/1995	1:25	0.02617866
ST232_100YRCHI	01/01/1995	1:26	0.02723523
ST232_100YRCHI	01/01/1995	1:27	0.02786462
ST232_100YRCHI	01/01/1995	1:28	0.0285074
ST232_100YRCHI	01/01/1995	1:29	0.02907098
ST232_100YRCHI	01/01/1995	1:30	0.02947457
ST232_100YRCHI	01/01/1995	1:31	0.02979592
ST232_100YRCHI	01/01/1995	1:32	0.03067827
ST232_100YRCHI	01/01/1995	1:33	0.03277011
ST232_100YRCHI	01/01/1995	1:34	0.03579821
ST232_100YRCHI	01/01/1995	1:35	0.03945541
ST232_100YRCHI	01/01/1995	1:36	0.04232286
ST232_100YRCHI	01/01/1995	1:37	0.04389806

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	1:38	0.04494607
ST232_100YRCHI	01/01/1995	1:39	0.04638895
ST232_100YRCHI	01/01/1995	1:40	0.04738344
ST232_100YRCHI	01/01/1995	1:41	0.04805503
ST232_100YRCHI	01/01/1995	1:42	0.0514129
ST232_100YRCHI	01/01/1995	1:43	0.06398298
ST232_100YRCHI	01/01/1995	1:44	0.08304076
ST232_100YRCHI	01/01/1995	1:45	0.1030245
ST232_100YRCHI	01/01/1995	1:46	0.1194533
ST232_100YRCHI	01/01/1995	1:47	0.1342472
ST232_100YRCHI	01/01/1995	1:48	0.1445557
ST232_100YRCHI	01/01/1995	1:49	0.1535937
ST232_100YRCHI	01/01/1995	1:50	0.1604629
ST232_100YRCHI	01/01/1995	1:51	0.1681525
ST232_100YRCHI	01/01/1995	1:52	0.2046171
ST232_100YRCHI	01/01/1995	1:53	0.3113693
ST232_100YRCHI	01/01/1995	1:54	0.4657712
ST232_100YRCHI	01/01/1995	1:55	0.5836338
ST232_100YRCHI	01/01/1995	1:56	0.6706809
ST232_100YRCHI	01/01/1995	1:57	0.7852175
ST232_100YRCHI	01/01/1995	1:58	0.8258104
ST232_100YRCHI	01/01/1995	1:59	0.8554775
ST232_100YRCHI	01/01/1995	2:00	0.8772326
ST232_100YRCHI	01/01/1995	2:01	0.8847367
ST232_100YRCHI	01/01/1995	2:02	0.898929
ST232_100YRCHI	01/01/1995	2:03	0.9033539
ST232_100YRCHI	01/01/1995	2:04	0.9042043
ST232_100YRCHI	01/01/1995	2:05	0.8987097
ST232_100YRCHI	01/01/1995	2:06	0.8885356
ST232_100YRCHI	01/01/1995	2:07	0.8847314
ST232_100YRCHI	01/01/1995	2:08	0.8701345
ST232_100YRCHI	01/01/1995	2:09	0.8476809
ST232_100YRCHI	01/01/1995	2:10	0.8233515
ST232_100YRCHI	01/01/1995	2:11	0.7632586
ST232_100YRCHI	01/01/1995	2:12	0.6468872
ST232_100YRCHI	01/01/1995	2:13	0.6267756
ST232_100YRCHI	01/01/1995	2:14	0.5755342
ST232_100YRCHI	01/01/1995	2:15	0.5338075
ST232_100YRCHI	01/01/1995	2:16	0.4588402
ST232_100YRCHI	01/01/1995	2:17	0.4068813
ST232_100YRCHI	01/01/1995	2:18	0.3664074
ST232_100YRCHI	01/01/1995	2:19	0.3395778
ST232_100YRCHI	01/01/1995	2:20	0.31805
ST232_100YRCHI	01/01/1995	2:21	0.3020635
ST232_100YRCHI	01/01/1995	2:22	0.286548
ST232_100YRCHI	01/01/1995	2:23	0.2627731
ST232_100YRCHI	01/01/1995	2:24	0.2107603
ST232_100YRCHI	01/01/1995	2:25	0.1867575
ST232_100YRCHI	01/01/1995	2:26	0.1702073
ST232_100YRCHI	01/01/1995	2:27	0.1557194
ST232_100YRCHI	01/01/1995	2:28	0.1421859
ST232_100YRCHI	01/01/1995	2:29	0.1339596
ST232_100YRCHI	01/01/1995	2:30	0.1266422
ST232_100YRCHI	01/01/1995	2:31	0.1207022
ST232_100YRCHI	01/01/1995	2:32	0.1146491
ST232_100YRCHI	01/01/1995	2:33	0.1071223
ST232_100YRCHI	01/01/1995	2:34	0.1001708
ST232_100YRCHI	01/01/1995	2:35	0.09399817
ST232_100YRCHI	01/01/1995	2:36	0.08772721
ST232_100YRCHI	01/01/1995	2:37	0.08253323
ST232_100YRCHI	01/01/1995	2:38	0.07737553
ST232_100YRCHI	01/01/1995	2:39	0.07360172
ST232_100YRCHI	01/01/1995	2:40	0.07104461
ST232_100YRCHI	01/01/1995	2:41	0.06850454
ST232_100YRCHI	01/01/1995	2:42	0.06608313
ST232_100YRCHI	01/01/1995	2:43	0.06316272

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	2:44	0.05950738
ST232_100YRCHI	01/01/1995	2:45	0.05606032
ST232_100YRCHI	01/01/1995	2:46	0.05329074
ST232_100YRCHI	01/01/1995	2:47	0.05108165
ST232_100YRCHI	01/01/1995	2:48	0.04962756
ST232_100YRCHI	01/01/1995	2:49	0.04850241
ST232_100YRCHI	01/01/1995	2:50	0.04769136
ST232_100YRCHI	01/01/1995	2:51	0.0466166
ST232_100YRCHI	01/01/1995	2:52	0.04496798
ST232_100YRCHI	01/01/1995	2:53	0.0433574
ST232_100YRCHI	01/01/1995	2:54	0.04136374
ST232_100YRCHI	01/01/1995	2:55	0.03927806
ST232_100YRCHI	01/01/1995	2:56	0.03728439
ST232_100YRCHI	01/01/1995	2:57	0.03603141
ST232_100YRCHI	01/01/1995	2:58	0.03496488
ST232_100YRCHI	01/01/1995	2:59	0.03386499
ST232_100YRCHI	01/01/1995	3:00	0.03303885
ST232_100YRCHI	01/01/1995	3:01	0.03251523
ST232_100YRCHI	01/01/1995	3:02	0.03216022
ST232_100YRCHI	01/01/1995	3:03	0.03147411
ST232_100YRCHI	01/01/1995	3:04	0.03029213
ST232_100YRCHI	01/01/1995	3:05	0.02910607
ST232_100YRCHI	01/01/1995	3:06	0.02792444
ST232_100YRCHI	01/01/1995	3:07	0.0270986
ST232_100YRCHI	01/01/1995	3:08	0.02660437
ST232_100YRCHI	01/01/1995	3:09	0.0263061
ST232_100YRCHI	01/01/1995	3:10	0.0261264
ST232_100YRCHI	01/01/1995	3:11	0.02601183
ST232_100YRCHI	01/01/1995	3:12	0.02590956
ST232_100YRCHI	01/01/1995	3:13	0.02532304
ST232_100YRCHI	01/01/1995	3:14	0.02421336
ST232_100YRCHI	01/01/1995	3:15	0.02348552
ST232_100YRCHI	01/01/1995	3:16	0.02295367
ST232_100YRCHI	01/01/1995	3:17	0.02250279
ST232_100YRCHI	01/01/1995	3:18	0.02197361
ST232_100YRCHI	01/01/1995	3:19	0.02135602
ST232_100YRCHI	01/01/1995	3:20	0.02094124
ST232_100YRCHI	01/01/1995	3:21	0.02068115
ST232_100YRCHI	01/01/1995	3:22	0.02050854
ST232_100YRCHI	01/01/1995	3:23	0.01990929
ST232_100YRCHI	01/01/1995	3:24	0.01898095
ST232_100YRCHI	01/01/1995	3:25	0.01856726
ST232_100YRCHI	01/01/1995	3:26	0.01840571
ST232_100YRCHI	01/01/1995	3:27	0.01834337
ST232_100YRCHI	01/01/1995	3:28	0.01831876
ST232_100YRCHI	01/01/1995	3:29	0.01831021
ST232_100YRCHI	01/01/1995	3:30	0.01830942
ST232_100YRCHI	01/01/1995	3:31	0.01830177
ST232_100YRCHI	01/01/1995	3:32	0.01798858
ST232_100YRCHI	01/01/1995	3:33	0.01770084
ST232_100YRCHI	01/01/1995	3:34	0.01704046
ST232_100YRCHI	01/01/1995	3:35	0.01658032
ST232_100YRCHI	01/01/1995	3:36	0.01546633
ST232_100YRCHI	01/01/1995	3:37	0.01620206
ST232_100YRCHI	01/01/1995	3:38	0.01510413
ST232_100YRCHI	01/01/1995	3:39	0.01545581
ST232_100YRCHI	01/01/1995	3:40	0.01514533
ST232_100YRCHI	01/01/1995	3:41	0.01497491
ST232_100YRCHI	01/01/1995	3:42	0.01502072
ST232_100YRCHI	01/01/1995	3:43	0.01517009
ST232_100YRCHI	01/01/1995	3:44	0.01529594
ST232_100YRCHI	01/01/1995	3:45	0.01540477
ST232_100YRCHI	01/01/1995	3:46	0.01520577
ST232_100YRCHI	01/01/1995	3:47	0.01472024
ST232_100YRCHI	01/01/1995	3:48	0.01467789
ST232_100YRCHI	01/01/1995	3:49	0.01476565

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	3:50	0.0148569
ST232_100YRCHI	01/01/1995	3:51	0.0148173
ST232_100YRCHI	01/01/1995	3:52	0.01477065
ST232_100YRCHI	01/01/1995	3:53	0.01448849
ST232_100YRCHI	01/01/1995	3:54	0.01415369
ST232_100YRCHI	01/01/1995	3:55	0.01401551
ST232_100YRCHI	01/01/1995	3:56	0.01394946
ST232_100YRCHI	01/01/1995	3:57	0.01401364
ST232_100YRCHI	01/01/1995	3:58	0.0140457
ST232_100YRCHI	01/01/1995	3:59	0.01416871
ST232_100YRCHI	01/01/1995	4:00	0.01409882
ST232_100YRCHI	01/01/1995	4:01	0.01393685
ST232_100YRCHI	01/01/1995	4:02	0.01195772
ST232_100YRCHI	01/01/1995	4:03	0.01049107
ST232_100YRCHI	01/01/1995	4:04	0.006149157
ST232_100YRCHI	01/01/1995	4:05	0.003896866
ST232_100YRCHI	01/01/1995	4:06	0.0003231563
ST232_100YRCHI	01/01/1995	4:07	0.001739198
ST232_100YRCHI	01/01/1995	4:08	0.0003955622
ST232_100YRCHI	01/01/1995	4:09	-0.0007254981
ST232_100YRCHI	01/01/1995	4:10	0.001168644
ST232_100YRCHI	01/01/1995	4:11	-0.0005634908
ST232_100YRCHI	01/01/1995	4:12	-0.0003661848
ST232_100YRCHI	01/01/1995	4:13	-8.218815E-05
ST232_100YRCHI	01/01/1995	4:14	-0.001216426
ST232_100YRCHI	01/01/1995	4:15	-0.0006153027
ST232_100YRCHI	01/01/1995	4:16	-0.001045054
ST232_100YRCHI	01/01/1995	4:17	-0.0006830323
ST232_100YRCHI	01/01/1995	4:18	-0.0008466385
ST232_100YRCHI	01/01/1995	4:19	-0.0002556432
ST232_100YRCHI	01/01/1995	4:20	-0.001006984
ST232_100YRCHI	01/01/1995	4:21	-0.001478031
ST232_100YRCHI	01/01/1995	4:22	-0.001094908
ST232_100YRCHI	01/01/1995	4:23	-3.768712E-06
ST232_100YRCHI	01/01/1995	4:24	-0.0009231159
ST232_100YRCHI	01/01/1995	4:25	-0.001779514
ST232_100YRCHI	01/01/1995	4:26	-0.001684394
ST232_100YRCHI	01/01/1995	4:27	-0.00122913
ST232_100YRCHI	01/01/1995	4:28	-0.0007113554
ST232_100YRCHI	01/01/1995	4:29	-3.827082E-05
ST232_100YRCHI	01/01/1995	4:30	-0.0009195727
ST232_100YRCHI	01/01/1995	4:31	2.418226E-05
ST232_100YRCHI	01/01/1995	4:32	-0.0008576491
ST232_100YRCHI	01/01/1995	4:33	0.0007700199
ST232_100YRCHI	01/01/1995	4:34	-0.001557681
ST232_100YRCHI	01/01/1995	4:35	-0.001133336
ST232_100YRCHI	01/01/1995	4:36	-0.001386084
ST232_100YRCHI	01/01/1995	4:37	-9.029201E-05
ST232_100YRCHI	01/01/1995	4:38	-0.001349302
ST232_100YRCHI	01/01/1995	4:39	-0.0008513549
ST232_100YRCHI	01/01/1995	4:40	-0.0002912717
ST232_100YRCHI	01/01/1995	4:41	-0.002733637
ST232_100YRCHI	01/01/1995	4:42	-4.68976E-05
ST232_100YRCHI	01/01/1995	4:43	-0.0009857941
ST232_100YRCHI	01/01/1995	4:44	-0.0002135077
ST232_100YRCHI	01/01/1995	4:45	-0.000114596
ST232_100YRCHI	01/01/1995	4:46	-0.0002331372
ST232_100YRCHI	01/01/1995	4:47	-0.001497983
ST232_100YRCHI	01/01/1995	4:48	-0.001645591
ST232_100YRCHI	01/01/1995	4:49	-0.0009670467
ST232_100YRCHI	01/01/1995	4:50	-0.00224159
ST232_100YRCHI	01/01/1995	4:51	-0.001118861
ST232_100YRCHI	01/01/1995	4:52	-0.0005237618
ST232_100YRCHI	01/01/1995	4:53	-0.0002041454
ST232_100YRCHI	01/01/1995	4:54	-1.305642E-06
ST232_100YRCHI	01/01/1995	4:55	-0.0010874

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	4:56	9.808466E-07
ST232_100YRCHI	01/01/1995	4:57	-0.00065709
ST232_100YRCHI	01/01/1995	4:58	5.690504E-07
ST232_100YRCHI	01/01/1995	4:59	-0.000596607
ST232_100YRCHI	01/01/1995	5:00	-0.0006872032
ST232_100YRCHI	01/01/1995	5:01	-0.0004397378
ST232_100YRCHI	01/01/1995	5:02	-0.0009536974
ST232_100YRCHI	01/01/1995	5:03	-6.185937E-05
ST232_100YRCHI	01/01/1995	5:04	-1.464882E-05
ST232_100YRCHI	01/01/1995	5:05	-0.0008634855
ST232_100YRCHI	01/01/1995	5:06	2.374746E-05
ST232_100YRCHI	01/01/1995	5:07	-0.000785719
ST232_100YRCHI	01/01/1995	5:08	2.212941E-05
ST232_100YRCHI	01/01/1995	5:09	-0.0001572672
ST232_100YRCHI	01/01/1995	5:10	-0.0002539197
ST232_100YRCHI	01/01/1995	5:11	-0.0007102151
ST232_100YRCHI	01/01/1995	5:12	3.601795E-06
ST232_100YRCHI	01/01/1995	5:13	-7.499713E-05
ST232_100YRCHI	01/01/1995	5:14	-2.554533E-05
ST232_100YRCHI	01/01/1995	5:15	-2.645173E-05
ST232_100YRCHI	01/01/1995	5:16	2.290103E-05
ST232_100YRCHI	01/01/1995	5:17	-0.0001227207
ST232_100YRCHI	01/01/1995	5:18	-6.647814E-06
ST232_100YRCHI	01/01/1995	5:19	-4.327726E-05
ST232_100YRCHI	01/01/1995	5:20	-1.953649E-05
ST232_100YRCHI	01/01/1995	5:21	-9.581482E-06
ST232_100YRCHI	01/01/1995	5:22	2.739251E-05
ST232_100YRCHI	01/01/1995	5:23	-7.726495E-06
ST232_100YRCHI	01/01/1995	5:24	4.267187E-05
ST232_100YRCHI	01/01/1995	5:25	2.952428E-05
ST232_100YRCHI	01/01/1995	5:26	1.671138E-05
ST232_100YRCHI	01/01/1995	5:27	0.0001688223
ST232_100YRCHI	01/01/1995	5:28	2.266229E-05
ST232_100YRCHI	01/01/1995	5:29	0.0003016761
ST232_100YRCHI	01/01/1995	5:30	0.0001494458
ST232_100YRCHI	01/01/1995	5:31	1.934873E-05
ST232_100YRCHI	01/01/1995	5:32	7.555232E-05
ST232_100YRCHI	01/01/1995	5:33	0.0006013424
ST232_100YRCHI	01/01/1995	5:34	0.0002434551
ST232_100YRCHI	01/01/1995	5:35	3.4843E-05
ST232_100YRCHI	01/01/1995	5:36	2.70017E-05
ST232_100YRCHI	01/01/1995	5:37	0.0001349348
ST232_100YRCHI	01/01/1995	5:38	0.0001193134
ST232_100YRCHI	01/01/1995	5:39	0.0002629146
ST232_100YRCHI	01/01/1995	5:40	0.0002854609
ST232_100YRCHI	01/01/1995	5:41	2.29287E-05
ST232_100YRCHI	01/01/1995	5:42	0.0001844005
ST232_100YRCHI	01/01/1995	5:43	5.610238E-05
ST232_100YRCHI	01/01/1995	5:44	-0.0002770187
ST232_100YRCHI	01/01/1995	5:45	0.001051091
ST232_100YRCHI	01/01/1995	5:46	0.0004949544
ST232_100YRCHI	01/01/1995	5:47	-2.055587E-05
ST232_100YRCHI	01/01/1995	5:48	0.0004913948
ST232_100YRCHI	01/01/1995	5:49	3.518076E-05
ST232_100YRCHI	01/01/1995	5:50	-1.602121E-05
ST232_100YRCHI	01/01/1995	5:51	0.0002116883
ST232_100YRCHI	01/01/1995	5:52	0.000438236
ST232_100YRCHI	01/01/1995	5:53	0.0006638575
ST232_100YRCHI	01/01/1995	5:54	0.0007798109
ST232_100YRCHI	01/01/1995	5:55	0.001984096
ST232_100YRCHI	01/01/1995	5:56	9.006422E-05
ST232_100YRCHI	01/01/1995	5:57	0.0007698921
ST232_100YRCHI	01/01/1995	5:58	0.0001803878
ST232_100YRCHI	01/01/1995	5:59	0.0007885977
ST232_100YRCHI	01/01/1995	6:00	0.0004918732
ST232_100YRCHI	01/01/1995	6:01	0.001139408



post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	6:02	0.001863167
ST232_100YRCHI	01/01/1995	6:03	0.0004047907
ST232_100YRCHI	01/01/1995	6:04	0.0001302488
ST232_100YRCHI	01/01/1995	6:05	-2.481283E-05
ST232_100YRCHI	01/01/1995	6:06	0.0002003657
ST232_100YRCHI	01/01/1995	6:07	0.001004059
ST232_100YRCHI	01/01/1995	6:08	-2.221675E-05
ST232_100YRCHI	01/01/1995	6:09	0.0003847581
ST232_100YRCHI	01/01/1995	6:10	0.0006063773
ST232_100YRCHI	01/01/1995	6:11	2.66288E-05
ST232_100YRCHI	01/01/1995	6:12	0.001020351
ST232_100YRCHI	01/01/1995	6:13	-0.0003588439
ST232_100YRCHI	01/01/1995	6:14	0.0002236407
ST232_100YRCHI	01/01/1995	6:15	0.0006993878
ST232_100YRCHI	01/01/1995	6:16	0.000735903
ST232_100YRCHI	01/01/1995	6:17	0.0007478487
ST232_100YRCHI	01/01/1995	6:18	-2.683872E-05
ST232_100YRCHI	01/01/1995	6:19	0.0009186537
ST232_100YRCHI	01/01/1995	6:20	0.0003679722
ST232_100YRCHI	01/01/1995	6:21	0.0008015956
ST232_100YRCHI	01/01/1995	6:22	0.001435582
ST232_100YRCHI	01/01/1995	6:23	0.0002231056
ST232_100YRCHI	01/01/1995	6:24	0.0001113167
ST232_100YRCHI	01/01/1995	6:25	0.0006738144
ST232_100YRCHI	01/01/1995	6:26	0.0009310473
ST232_100YRCHI	01/01/1995	6:27	3.719955E-05
ST232_100YRCHI	01/01/1995	6:28	0.001954577
ST232_100YRCHI	01/01/1995	6:29	3.35171E-05
ST232_100YRCHI	01/01/1995	6:30	9.114532E-05
ST232_100YRCHI	01/01/1995	6:31	0.0007912377
ST232_100YRCHI	01/01/1995	6:32	0.001551637
ST232_100YRCHI	01/01/1995	6:33	0.0003498451
ST232_100YRCHI	01/01/1995	6:34	0.001628119
ST232_100YRCHI	01/01/1995	6:35	0.000491475
ST232_100YRCHI	01/01/1995	6:36	0.002469454
ST232_100YRCHI	01/01/1995	6:37	0.000914539
ST232_100YRCHI	01/01/1995	6:38	0.00119462
ST232_100YRCHI	01/01/1995	6:39	2.158105E-05
ST232_100YRCHI	01/01/1995	6:40	0.0009653276
ST232_100YRCHI	01/01/1995	6:41	0.0007294384
ST232_100YRCHI	01/01/1995	6:42	0.001019644
ST232_100YRCHI	01/01/1995	6:43	0.002183351
ST232_100YRCHI	01/01/1995	6:44	0.0004671868
ST232_100YRCHI	01/01/1995	6:45	0.001221088
ST232_100YRCHI	01/01/1995	6:46	0.0009955216
ST232_100YRCHI	01/01/1995	6:47	0.001337622
ST232_100YRCHI	01/01/1995	6:48	0.0007502137
ST232_100YRCHI	01/01/1995	6:49	0.0004037467
ST232_100YRCHI	01/01/1995	6:50	-4.293583E-06
ST232_100YRCHI	01/01/1995	6:51	0.0003684301
ST232_100YRCHI	01/01/1995	6:52	0.0002710758
ST232_100YRCHI	01/01/1995	6:53	5.26246E-05
ST232_100YRCHI	01/01/1995	6:54	2.832E-05
ST232_100YRCHI	01/01/1995	6:55	-2.37888E-05
ST232_100YRCHI	01/01/1995	6:56	0.0007495905
ST232_100YRCHI	01/01/1995	6:57	4.006212E-05
ST232_100YRCHI	01/01/1995	6:58	0.001279814
ST232_100YRCHI	01/01/1995	6:59	0.0003948005
ST232_100YRCHI	01/01/1995	7:00	0.0005594468
ST232_100YRCHI	01/01/1995	7:01	0.0006888065
ST232_100YRCHI	01/01/1995	7:02	0.0007490106
ST232_100YRCHI	01/01/1995	7:03	0.0002022173
ST232_100YRCHI	01/01/1995	7:04	0.0004404281
ST232_100YRCHI	01/01/1995	7:05	0.0008760731
ST232_100YRCHI	01/01/1995	7:06	0.0008736849
ST232_100YRCHI	01/01/1995	7:07	0.0009858307

```

post_pond2_2017-06-09_100chi.inp
ST232_100YRCHI 01/01/1995 7:08 0.00169336
ST232_100YRCHI 01/01/1995 7:09 0.0006420825
ST232_100YRCHI 01/01/1995 7:10 0.001173647
ST232_100YRCHI 01/01/1995 7:11 0.001534136
ST232_100YRCHI 01/01/1995 7:12 0.00133119
ST232_100YRCHI 01/01/1995 7:13 0.0003257256
ST232_100YRCHI 01/01/1995 7:14 0.001939197
ST232_100YRCHI 01/01/1995 7:15 -7.200323E-05
ST232_100YRCHI 01/01/1995 7:16 6.73455E-05
ST232_100YRCHI 01/01/1995 7:17 0.00177997
ST232_100YRCHI 01/01/1995 7:18 0.001338637
ST232_100YRCHI 01/01/1995 7:19 0.0007659966
ST232_100YRCHI 01/01/1995 7:20 0.001511239
ST232_100YRCHI 01/01/1995 7:21 0.002285675
ST232_100YRCHI 01/01/1995 7:22 0.001068154
ST232_100YRCHI 01/01/1995 7:23 0.001268627
ST232_100YRCHI 01/01/1995 7:24 0.001129778
ST232_100YRCHI 01/01/1995 7:25 0.002667657
ST232_100YRCHI 01/01/1995 7:26 0.0001302789
ST232_100YRCHI 01/01/1995 7:27 0.001260963
ST232_100YRCHI 01/01/1995 7:28 1.285255E-05
ST232_100YRCHI 01/01/1995 7:29 4.969685E-05
ST232_100YRCHI 01/01/1995 7:30 0.001201562
ST232_100YRCHI 01/01/1995 7:31 0.0009862541
ST232_100YRCHI 01/01/1995 7:32 0.001209745
ST232_100YRCHI 01/01/1995 7:33 5.380869E-06
ST232_100YRCHI 01/01/1995 7:34 3.641074E-05
ST232_100YRCHI 01/01/1995 7:35 1.882524E-06
ST232_100YRCHI 01/01/1995 7:36 -7.688395E-05
ST232_100YRCHI 01/01/1995 7:37 0.0006675085
ST232_100YRCHI 01/01/1995 7:38 0.001261365
ST232_100YRCHI 01/01/1995 7:39 0.0006995804
ST232_100YRCHI 01/01/1995 7:40 0.000591225
ST232_100YRCHI 01/01/1995 7:41 0.0002085144
ST232_100YRCHI 01/01/1995 7:42 0.0003665854
ST232_100YRCHI 01/01/1995 7:43 0.0003122205
ST232_100YRCHI 01/01/1995 7:44 1.242559E-05
ST232_100YRCHI 01/01/1995 7:45 0.0002395457
ST232_100YRCHI 01/01/1995 7:46 0.001025885
ST232_100YRCHI 01/01/1995 7:47 0.0008450808
ST232_100YRCHI 01/01/1995 7:48 0.0008341611
ST232_100YRCHI 01/01/1995 7:49 0.0003397032
ST232_100YRCHI 01/01/1995 7:50 0.0001532005
ST232_100YRCHI 01/01/1995 7:51 0.001274001
ST232_100YRCHI 01/01/1995 7:52 -0.0001745703
ST232_100YRCHI 01/01/1995 7:53 0.001170049
ST232_100YRCHI 01/01/1995 7:54 0.001481332
ST232_100YRCHI 01/01/1995 7:55 0.0002065194
ST232_100YRCHI 01/01/1995 7:56 0.002092009
ST232_100YRCHI 01/01/1995 7:57 0.001480883
ST232_100YRCHI 01/01/1995 7:58 0.0001298462
ST232_100YRCHI 01/01/1995 7:59 0.0005145497
ST232_100YRCHI 01/01/1995 8:00 3.531748E-05
ST232_100YRCHI 01/01/1995 8:01 5.06324E-05
ST232_100YRCHI 01/01/1995 8:02 0.001173003
ST232_100YRCHI 01/01/1995 8:03 0.001978469
ST232_100YRCHI 01/01/1995 8:04 0.001011137
ST232_100YRCHI 01/01/1995 8:05 0.000390022
ST232_100YRCHI 01/01/1995 8:06 2.832E-05
ST232_100YRCHI 01/01/1995 8:07 0.001226018
ST232_100YRCHI 01/01/1995 8:08 0.001359716
ST232_100YRCHI 01/01/1995 8:09 0.0003695308
ST232_100YRCHI 01/01/1995 8:10 2.012487E-05
ST232_100YRCHI 01/01/1995 8:11 0.0008104782
ST232_100YRCHI 01/01/1995 8:12 0.001012782
ST232_100YRCHI 01/01/1995 8:13 0.0005968056

```

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	8:14	-6.753805E-05
ST232_100YRCHI	01/01/1995	8:15	0.0007854399
ST232_100YRCHI	01/01/1995	8:16	0.001069222
ST232_100YRCHI	01/01/1995	8:17	0.0002636192
ST232_100YRCHI	01/01/1995	8:18	2.832E-05
ST232_100YRCHI	01/01/1995	8:19	0.0006912125
ST232_100YRCHI	01/01/1995	8:20	0.0008496419
ST232_100YRCHI	01/01/1995	8:21	0.0003053356
ST232_100YRCHI	01/01/1995	8:22	3.234825E-05
ST232_100YRCHI	01/01/1995	8:23	0.0005189172
ST232_100YRCHI	01/01/1995	8:24	0.0008727363
ST232_100YRCHI	01/01/1995	8:25	0.0005445118
ST232_100YRCHI	01/01/1995	8:26	4.930222E-05
ST232_100YRCHI	01/01/1995	8:27	0.0001761659
ST232_100YRCHI	01/01/1995	8:28	0.0006611176
ST232_100YRCHI	01/01/1995	8:29	0.0006370512
ST232_100YRCHI	01/01/1995	8:30	0.0003252589
ST232_100YRCHI	01/01/1995	8:31	4.087681E-05
ST232_100YRCHI	01/01/1995	8:32	0.0001219161
ST232_100YRCHI	01/01/1995	8:33	0.0004314614
ST232_100YRCHI	01/01/1995	8:34	0.0005084973
ST232_100YRCHI	01/01/1995	8:35	0.0002373564
ST232_100YRCHI	01/01/1995	8:36	3.208288E-05
ST232_100YRCHI	01/01/1995	8:37	0.0003328416
ST232_100YRCHI	01/01/1995	8:38	0.0004075726
ST232_100YRCHI	01/01/1995	8:39	0.0001835621
ST232_100YRCHI	01/01/1995	8:40	0.0001994346
ST232_100YRCHI	01/01/1995	8:41	0.0003551007
ST232_100YRCHI	01/01/1995	8:42	0.0002205358
ST232_100YRCHI	01/01/1995	8:43	0.000175404
ST232_100YRCHI	01/01/1995	8:44	0.0003350552
ST232_100YRCHI	01/01/1995	8:45	0.0002904919
ST232_100YRCHI	01/01/1995	8:46	0.0001954332
ST232_100YRCHI	01/01/1995	8:47	0.0002495655
ST232_100YRCHI	01/01/1995	8:48	0.0002987354
ST232_100YRCHI	01/01/1995	8:49	0.0002608547
ST232_100YRCHI	01/01/1995	8:50	0.0002281985
ST232_100YRCHI	01/01/1995	8:51	0.0002303333
ST232_100YRCHI	01/01/1995	8:52	0.000276491
ST232_100YRCHI	01/01/1995	8:53	0.0002674495
ST232_100YRCHI	01/01/1995	8:54	0.0002360862
ST232_100YRCHI	01/01/1995	8:55	0.0002254906
ST232_100YRCHI	01/01/1995	8:56	0.0002432363
ST232_100YRCHI	01/01/1995	8:57	0.0002599183
ST232_100YRCHI	01/01/1995	8:58	0.0002518756
ST232_100YRCHI	01/01/1995	8:59	0.0002340587
ST232_100YRCHI	01/01/1995	9:00	0.0002269996
ST232_100YRCHI	01/01/1995	9:01	0.0002335444
ST232_100YRCHI	01/01/1995	9:02	0.0002438768
ST232_100YRCHI	01/01/1995	9:03	0.0002446521
ST232_100YRCHI	01/01/1995	9:04	0.0002357049
ST232_100YRCHI	01/01/1995	9:05	0.0002244366
ST232_100YRCHI	01/01/1995	9:06	0.0002181152
ST232_100YRCHI	01/01/1995	9:07	0.0002176252
ST232_100YRCHI	01/01/1995	9:08	0.0002158465
ST232_100YRCHI	01/01/1995	9:09	0.0002124793
ST232_100YRCHI	01/01/1995	9:10	0.0002079206
ST232_100YRCHI	01/01/1995	9:11	0.0002016533
ST232_100YRCHI	01/01/1995	9:12	0.0001952636
ST232_100YRCHI	01/01/1995	9:13	0.0001906225
ST232_100YRCHI	01/01/1995	9:14	0.0001881011
ST232_100YRCHI	01/01/1995	9:15	0.0001873723
ST232_100YRCHI	01/01/1995	9:16	0.0001872903
ST232_100YRCHI	01/01/1995	9:17	0.0001869207
ST232_100YRCHI	01/01/1995	9:18	0.0001840125
ST232_100YRCHI	01/01/1995	9:19	0.0001815508

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	9:20	0.0001795048
ST232_100YRCHI	01/01/1995	9:21	0.0001777295
ST232_100YRCHI	01/01/1995	9:22	0.0001763645
ST232_100YRCHI	01/01/1995	9:23	0.0001761275
ST232_100YRCHI	01/01/1995	9:24	0.0001762571
ST232_100YRCHI	01/01/1995	9:25	0.0001763185
ST232_100YRCHI	01/01/1995	9:26	0.0001760331
ST232_100YRCHI	01/01/1995	9:27	0.0001761309
ST232_100YRCHI	01/01/1995	9:28	0.0001757084
ST232_100YRCHI	01/01/1995	9:29	0.0001745185
ST232_100YRCHI	01/01/1995	9:30	0.0001733813
ST232_100YRCHI	01/01/1995	9:31	0.0001723005
ST232_100YRCHI	01/01/1995	9:32	0.0001714642
ST232_100YRCHI	01/01/1995	9:33	0.0001707211
ST232_100YRCHI	01/01/1995	9:34	0.0001699064
ST232_100YRCHI	01/01/1995	9:35	0.0001690318
ST232_100YRCHI	01/01/1995	9:36	0.0001682402
ST232_100YRCHI	01/01/1995	9:37	0.0001673567
ST232_100YRCHI	01/01/1995	9:38	0.0001663663
ST232_100YRCHI	01/01/1995	9:39	0.0001654845
ST232_100YRCHI	01/01/1995	9:40	0.0001643678
ST232_100YRCHI	01/01/1995	9:41	0.0001633001
ST232_100YRCHI	01/01/1995	9:42	0.0001623891
ST232_100YRCHI	01/01/1995	9:43	0.0001613311
ST232_100YRCHI	01/01/1995	9:44	0.0001603941
ST232_100YRCHI	01/01/1995	9:45	0.000159486
ST232_100YRCHI	01/01/1995	9:46	0.0001586745
ST232_100YRCHI	01/01/1995	9:47	0.000157782
ST232_100YRCHI	01/01/1995	9:48	0.0001577939
ST232_100YRCHI	01/01/1995	9:49	0.000157583
ST232_100YRCHI	01/01/1995	9:50	0.0001570757
ST232_100YRCHI	01/01/1995	9:51	0.0001567565
ST232_100YRCHI	01/01/1995	9:52	0.0001564457
ST232_100YRCHI	01/01/1995	9:53	0.0001560338
ST232_100YRCHI	01/01/1995	9:54	0.0001551153
ST232_100YRCHI	01/01/1995	9:55	0.0001534699
ST232_100YRCHI	01/01/1995	9:56	0.0001517968
ST232_100YRCHI	01/01/1995	9:57	0.0001506583
ST232_100YRCHI	01/01/1995	9:58	0.0001497255
ST232_100YRCHI	01/01/1995	9:59	0.0001486802
ST232_100YRCHI	01/01/1995	10:00	0.0001476212
ST232_100YRCHI	01/01/1995	10:01	0.0001468158
ST232_100YRCHI	01/01/1995	10:02	0.0001457983
ST232_100YRCHI	01/01/1995	10:03	0.000144743
ST232_100YRCHI	01/01/1995	10:04	0.0001437631
ST232_100YRCHI	01/01/1995	10:05	0.0001426614
ST232_100YRCHI	01/01/1995	10:06	0.0001415878
ST232_100YRCHI	01/01/1995	10:07	0.0001406321
ST232_100YRCHI	01/01/1995	10:08	0.0001394439
ST232_100YRCHI	01/01/1995	10:09	0.0001379848
ST232_100YRCHI	01/01/1995	10:10	0.000136575
ST232_100YRCHI	01/01/1995	10:11	0.000134982
ST232_100YRCHI	01/01/1995	10:12	0.0001336357
ST232_100YRCHI	01/01/1995	10:13	0.0001320269
ST232_100YRCHI	01/01/1995	10:14	0.0001307592
ST232_100YRCHI	01/01/1995	10:15	0.0001295518
ST232_100YRCHI	01/01/1995	10:16	0.0001280526
ST232_100YRCHI	01/01/1995	10:17	0.0001258965
ST232_100YRCHI	01/01/1995	10:18	0.0001166906
ST232_100YRCHI	01/01/1995	10:19	0.0001114706
ST232_100YRCHI	01/01/1995	10:20	0.0001098153
ST232_100YRCHI	01/01/1995	10:21	0.000107004
ST232_100YRCHI	01/01/1995	10:22	0.0001036242
ST232_100YRCHI	01/01/1995	10:23	0.0001027276
ST232_100YRCHI	01/01/1995	10:24	0.0001016943
ST232_100YRCHI	01/01/1995	10:25	9.942883E-05

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	10:26	9.805286E-05
ST232_100YRCHI	01/01/1995	10:27	9.742678E-05
ST232_100YRCHI	01/01/1995	10:28	9.612222E-05
ST232_100YRCHI	01/01/1995	10:29	9.410877E-05
ST232_100YRCHI	01/01/1995	10:30	9.500228E-05
ST232_100YRCHI	01/01/1995	10:31	9.457707E-05
ST232_100YRCHI	01/01/1995	10:32	9.310623E-05
ST232_100YRCHI	01/01/1995	10:33	9.276512E-05
ST232_100YRCHI	01/01/1995	10:34	9.305797E-05
ST232_100YRCHI	01/01/1995	10:35	9.238265E-05
ST232_100YRCHI	01/01/1995	10:36	9.12579E-05
ST232_100YRCHI	01/01/1995	10:37	9.079376E-05
ST232_100YRCHI	01/01/1995	10:38	9.065086E-05
ST232_100YRCHI	01/01/1995	10:39	9.017778E-05
ST232_100YRCHI	01/01/1995	10:40	8.931454E-05
ST232_100YRCHI	01/01/1995	10:41	8.879248E-05
ST232_100YRCHI	01/01/1995	10:42	8.906412E-05
ST232_100YRCHI	01/01/1995	10:43	8.923015E-05
ST232_100YRCHI	01/01/1995	10:44	8.910324E-05
ST232_100YRCHI	01/01/1995	10:45	8.876147E-05
ST232_100YRCHI	01/01/1995	10:46	8.836715E-05
ST232_100YRCHI	01/01/1995	10:47	8.805709E-05
ST232_100YRCHI	01/01/1995	10:48	8.781393E-05
ST232_100YRCHI	01/01/1995	10:49	8.742009E-05
ST232_100YRCHI	01/01/1995	10:50	8.652992E-05
ST232_100YRCHI	01/01/1995	10:51	8.5543E-05
ST232_100YRCHI	01/01/1995	10:52	8.468299E-05
ST232_100YRCHI	01/01/1995	10:53	8.382831E-05
ST232_100YRCHI	01/01/1995	10:54	8.312586E-05
ST232_100YRCHI	01/01/1995	10:55	8.252429E-05
ST232_100YRCHI	01/01/1995	10:56	8.187474E-05
ST232_100YRCHI	01/01/1995	10:57	8.132256E-05
ST232_100YRCHI	01/01/1995	10:58	8.073793E-05
ST232_100YRCHI	01/01/1995	10:59	8.019873E-05
ST232_100YRCHI	01/01/1995	11:00	7.966492E-05
ST232_100YRCHI	01/01/1995	11:01	7.919419E-05
ST232_100YRCHI	01/01/1995	11:02	7.868549E-05
ST232_100YRCHI	01/01/1995	11:03	7.824833E-05
ST232_100YRCHI	01/01/1995	11:04	7.776632E-05
ST232_100YRCHI	01/01/1995	11:05	7.722775E-05
ST232_100YRCHI	01/01/1995	11:06	7.67937E-05
ST232_100YRCHI	01/01/1995	11:07	7.631302E-05
ST232_100YRCHI	01/01/1995	11:08	7.576997E-05
ST232_100YRCHI	01/01/1995	11:09	7.515793E-05
ST232_100YRCHI	01/01/1995	11:10	7.45516E-05
ST232_100YRCHI	01/01/1995	11:11	7.442512E-05
ST232_100YRCHI	01/01/1995	11:12	7.441985E-05
ST232_100YRCHI	01/01/1995	11:13	7.448939E-05
ST232_100YRCHI	01/01/1995	11:14	7.452909E-05
ST232_100YRCHI	01/01/1995	11:15	7.445721E-05
ST232_100YRCHI	01/01/1995	11:16	7.432121E-05
ST232_100YRCHI	01/01/1995	11:17	7.406847E-05
ST232_100YRCHI	01/01/1995	11:18	7.35276E-05
ST232_100YRCHI	01/01/1995	11:19	7.289162E-05
ST232_100YRCHI	01/01/1995	11:20	7.222408E-05
ST232_100YRCHI	01/01/1995	11:21	7.090037E-05
ST232_100YRCHI	01/01/1995	11:22	6.97958E-05
ST232_100YRCHI	01/01/1995	11:23	6.881316E-05
ST232_100YRCHI	01/01/1995	11:24	6.79544E-05
ST232_100YRCHI	01/01/1995	11:25	6.726547E-05
ST232_100YRCHI	01/01/1995	11:26	6.672795E-05
ST232_100YRCHI	01/01/1995	11:27	6.622788E-05
ST232_100YRCHI	01/01/1995	11:28	6.574198E-05
ST232_100YRCHI	01/01/1995	11:29	6.513645E-05
ST232_100YRCHI	01/01/1995	11:30	6.452962E-05
ST232_100YRCHI	01/01/1995	11:31	6.384966E-05

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	11:32	6.317705E-05
ST232_100YRCHI	01/01/1995	11:33	6.246864E-05
ST232_100YRCHI	01/01/1995	11:34	6.182071E-05
ST232_100YRCHI	01/01/1995	11:35	6.113537E-05
ST232_100YRCHI	01/01/1995	11:36	6.039969E-05
ST232_100YRCHI	01/01/1995	11:37	5.965127E-05
ST232_100YRCHI	01/01/1995	11:38	5.886874E-05
ST232_100YRCHI	01/01/1995	11:39	5.8209E-05
ST232_100YRCHI	01/01/1995	11:40	5.761011E-05
ST232_100YRCHI	01/01/1995	11:41	5.682396E-05
ST232_100YRCHI	01/01/1995	11:42	5.650651E-05
ST232_100YRCHI	01/01/1995	11:43	5.609526E-05
ST232_100YRCHI	01/01/1995	11:44	5.551218E-05
ST232_100YRCHI	01/01/1995	11:45	5.474272E-05
ST232_100YRCHI	01/01/1995	11:46	5.375863E-05
ST232_100YRCHI	01/01/1995	11:47	5.260231E-05
ST232_100YRCHI	01/01/1995	11:48	4.802247E-05
ST232_100YRCHI	01/01/1995	11:49	4.28013E-05
ST232_100YRCHI	01/01/1995	11:50	3.980501E-05
ST232_100YRCHI	01/01/1995	11:51	3.676148E-05
ST232_100YRCHI	01/01/1995	11:52	3.58649E-05
ST232_100YRCHI	01/01/1995	11:53	3.386781E-05
ST232_100YRCHI	01/01/1995	11:54	3.231024E-05
ST232_100YRCHI	01/01/1995	11:55	3.126188E-05
ST232_100YRCHI	01/01/1995	11:56	2.978757E-05
ST232_100YRCHI	01/01/1995	11:57	2.909288E-05
ST232_100YRCHI	01/01/1995	11:58	2.850911E-05
ST232_100YRCHI	01/01/1995	11:59	2.778406E-05
ST232_100YRCHI	01/01/1995	12:00	2.710662E-05
ST232_100YRCHI	01/01/1995	12:01	2.703697E-05
ST232_100YRCHI	01/01/1995	12:02	2.669106E-05
ST232_100YRCHI	01/01/1995	12:03	2.654837E-05
ST232_100YRCHI	01/01/1995	12:04	2.6599E-05
ST232_100YRCHI	01/01/1995	12:05	2.654375E-05
ST232_100YRCHI	01/01/1995	12:06	2.642132E-05
ST232_100YRCHI	01/01/1995	12:07	2.637012E-05
ST232_100YRCHI	01/01/1995	12:08	2.633023E-05
ST232_100YRCHI	01/01/1995	12:09	2.62187E-05
ST232_100YRCHI	01/01/1995	12:10	2.606203E-05
ST232_100YRCHI	01/01/1995	12:11	2.594296E-05
ST232_100YRCHI	01/01/1995	12:12	2.583015E-05
ST232_100YRCHI	01/01/1995	12:13	2.577276E-05
ST232_100YRCHI	01/01/1995	12:14	2.568444E-05
ST232_100YRCHI	01/01/1995	12:15	2.56295E-05
ST232_100YRCHI	01/01/1995	12:16	2.576283E-05
ST232_100YRCHI	01/01/1995	12:17	2.583E-05
ST232_100YRCHI	01/01/1995	12:18	2.584758E-05
ST232_100YRCHI	01/01/1995	12:19	2.58512E-05
ST232_100YRCHI	01/01/1995	12:20	2.589651E-05
ST232_100YRCHI	01/01/1995	12:21	2.592808E-05
ST232_100YRCHI	01/01/1995	12:22	2.592963E-05
ST232_100YRCHI	01/01/1995	12:23	2.594221E-05
ST232_100YRCHI	01/01/1995	12:24	2.593795E-05
ST232_100YRCHI	01/01/1995	12:25	2.590188E-05
ST232_100YRCHI	01/01/1995	12:26	2.588041E-05
ST232_100YRCHI	01/01/1995	12:27	2.573248E-05
ST232_100YRCHI	01/01/1995	12:28	2.518668E-05
ST232_100YRCHI	01/01/1995	12:29	2.469429E-05
ST232_100YRCHI	01/01/1995	12:30	2.42568E-05
ST232_100YRCHI	01/01/1995	12:31	2.390059E-05
ST232_100YRCHI	01/01/1995	12:32	2.358835E-05
ST232_100YRCHI	01/01/1995	12:33	2.330775E-05
ST232_100YRCHI	01/01/1995	12:34	2.305553E-05
ST232_100YRCHI	01/01/1995	12:35	2.283204E-05
ST232_100YRCHI	01/01/1995	12:36	2.263755E-05
ST232_100YRCHI	01/01/1995	12:37	2.245768E-05

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	12:38	2.228082E-05
ST232_100YRCHI	01/01/1995	12:39	2.21089E-05
ST232_100YRCHI	01/01/1995	12:40	2.194284E-05
ST232_100YRCHI	01/01/1995	12:41	2.178714E-05
ST232_100YRCHI	01/01/1995	12:42	2.16421E-05
ST232_100YRCHI	01/01/1995	12:43	2.149266E-05
ST232_100YRCHI	01/01/1995	12:44	2.133997E-05
ST232_100YRCHI	01/01/1995	12:45	2.119633E-05
ST232_100YRCHI	01/01/1995	12:46	2.105281E-05
ST232_100YRCHI	01/01/1995	12:47	2.090403E-05
ST232_100YRCHI	01/01/1995	12:48	2.075356E-05
ST232_100YRCHI	01/01/1995	12:49	2.060086E-05
ST232_100YRCHI	01/01/1995	12:50	2.043078E-05
ST232_100YRCHI	01/01/1995	12:51	2.03505E-05
ST232_100YRCHI	01/01/1995	12:52	2.052421E-05
ST232_100YRCHI	01/01/1995	12:53	2.055743E-05
ST232_100YRCHI	01/01/1995	12:54	2.05458E-05
ST232_100YRCHI	01/01/1995	12:55	2.052674E-05
ST232_100YRCHI	01/01/1995	12:56	2.043767E-05
ST232_100YRCHI	01/01/1995	12:57	2.031406E-05
ST232_100YRCHI	01/01/1995	12:58	2.009086E-05
ST232_100YRCHI	01/01/1995	12:59	1.979123E-05
ST232_100YRCHI	01/01/1995	13:00	1.943558E-05
ST232_100YRCHI	01/01/1995	13:01	1.89902E-05
ST232_100YRCHI	01/01/1995	13:02	1.786153E-05
ST232_100YRCHI	01/01/1995	13:03	1.651874E-05
ST232_100YRCHI	01/01/1995	13:04	1.531315E-05
ST232_100YRCHI	01/01/1995	13:05	1.417373E-05
ST232_100YRCHI	01/01/1995	13:06	1.307951E-05
ST232_100YRCHI	01/01/1995	13:07	1.20141E-05
ST232_100YRCHI	01/01/1995	13:08	1.095963E-05
ST232_100YRCHI	01/01/1995	13:09	9.898546E-06
ST232_100YRCHI	01/01/1995	13:10	8.815735E-06
ST232_100YRCHI	01/01/1995	13:11	7.698934E-06
ST232_100YRCHI	01/01/1995	13:12	6.539446E-06
ST232_100YRCHI	01/01/1995	13:13	5.321792E-06
ST232_100YRCHI	01/01/1995	13:14	4.017396E-06
ST232_100YRCHI	01/01/1995	13:15	2.841464E-06
ST232_100YRCHI	01/01/1995	13:16	2.532848E-06
ST232_100YRCHI	01/01/1995	13:17	2.263233E-06
ST232_100YRCHI	01/01/1995	13:18	2.031031E-06
ST232_100YRCHI	01/01/1995	13:19	1.829819E-06
ST232_100YRCHI	01/01/1995	13:20	1.654477E-06
ST232_100YRCHI	01/01/1995	13:21	1.500885E-06
ST232_100YRCHI	01/01/1995	13:22	1.365698E-06
ST232_100YRCHI	01/01/1995	13:23	1.246184E-06
ST232_100YRCHI	01/01/1995	13:24	1.140088E-06
ST232_100YRCHI	01/01/1995	13:25	1.045542E-06
ST232_100YRCHI	01/01/1995	13:26	9.609876E-07
ST232_100YRCHI	01/01/1995	13:27	8.851146E-07
ST232_100YRCHI	01/01/1995	13:28	8.168186E-07
ST232_100YRCHI	01/01/1995	13:29	7.55162E-07
ST232_100YRCHI	01/01/1995	13:30	6.993455E-07
ST232_100YRCHI	01/01/1995	13:31	6.486848E-07
ST232_100YRCHI	01/01/1995	13:32	6.025908E-07
ST232_100YRCHI	01/01/1995	13:33	5.605551E-07
ST232_100YRCHI	01/01/1995	13:34	5.221369E-07
ST232_100YRCHI	01/01/1995	13:35	4.869523E-07
ST232_100YRCHI	01/01/1995	13:36	4.546664E-07
ST232_100YRCHI	01/01/1995	13:37	4.249858E-07
ST232_100YRCHI	01/01/1995	13:38	3.976523E-07
ST232_100YRCHI	01/01/1995	13:39	3.724388E-07
ST232_100YRCHI	01/01/1995	13:40	3.491441E-07
ST232_100YRCHI	01/01/1995	13:41	3.275901E-07
ST232_100YRCHI	01/01/1995	13:42	3.076184E-07
ST232_100YRCHI	01/01/1995	13:43	2.890878E-07

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	13:44	2.718723E-07
ST232_100YRCHI	01/01/1995	13:45	2.558591E-07
ST232_100YRCHI	01/01/1995	13:46	2.409469E-07
ST232_100YRCHI	01/01/1995	13:47	2.270446E-07
ST232_100YRCHI	01/01/1995	13:48	2.140702E-07
ST232_100YRCHI	01/01/1995	13:49	2.019496E-07
ST232_100YRCHI	01/01/1995	13:50	0
ST232_100YRCHI	01/01/1995	13:51	0
ST232_100YRCHI	01/01/1995	13:52	0
ST232_100YRCHI	01/01/1995	13:53	0
ST232_100YRCHI	01/01/1995	13:54	0
ST232_100YRCHI	01/01/1995	13:55	0
ST232_100YRCHI	01/01/1995	13:56	0
ST232_100YRCHI	01/01/1995	13:57	0
ST232_100YRCHI	01/01/1995	13:58	0
ST232_100YRCHI	01/01/1995	13:59	0
ST232_100YRCHI	01/01/1995	14:00	0
ST232_100YRCHI	01/01/1995	14:01	0
ST232_100YRCHI	01/01/1995	14:02	0
ST232_100YRCHI	01/01/1995	14:03	0
ST232_100YRCHI	01/01/1995	14:04	0
ST232_100YRCHI	01/01/1995	14:05	0
ST232_100YRCHI	01/01/1995	14:06	0
ST232_100YRCHI	01/01/1995	14:07	0
ST232_100YRCHI	01/01/1995	14:08	0
ST232_100YRCHI	01/01/1995	14:09	0
ST232_100YRCHI	01/01/1995	14:10	0
ST232_100YRCHI	01/01/1995	14:11	0
ST232_100YRCHI	01/01/1995	14:12	0
ST232_100YRCHI	01/01/1995	14:13	0
ST232_100YRCHI	01/01/1995	14:14	0
ST232_100YRCHI	01/01/1995	14:15	0
ST232_100YRCHI	01/01/1995	14:16	0
ST232_100YRCHI	01/01/1995	14:17	0
ST232_100YRCHI	01/01/1995	14:18	0
ST232_100YRCHI	01/01/1995	14:19	0
ST232_100YRCHI	01/01/1995	14:20	0
ST232_100YRCHI	01/01/1995	14:21	0
ST232_100YRCHI	01/01/1995	14:22	0
ST232_100YRCHI	01/01/1995	14:23	0
ST232_100YRCHI	01/01/1995	14:24	0
ST232_100YRCHI	01/01/1995	14:25	0
ST232_100YRCHI	01/01/1995	14:26	0
ST232_100YRCHI	01/01/1995	14:27	0
ST232_100YRCHI	01/01/1995	14:28	0
ST232_100YRCHI	01/01/1995	14:29	0
ST232_100YRCHI	01/01/1995	14:30	0
ST232_100YRCHI	01/01/1995	14:31	0
ST232_100YRCHI	01/01/1995	14:32	0
ST232_100YRCHI	01/01/1995	14:33	0
ST232_100YRCHI	01/01/1995	14:34	0
ST232_100YRCHI	01/01/1995	14:35	0
ST232_100YRCHI	01/01/1995	14:36	0
ST232_100YRCHI	01/01/1995	14:37	0
ST232_100YRCHI	01/01/1995	14:38	0
ST232_100YRCHI	01/01/1995	14:39	0
ST232_100YRCHI	01/01/1995	14:40	0
ST232_100YRCHI	01/01/1995	14:41	0
ST232_100YRCHI	01/01/1995	14:42	0
ST232_100YRCHI	01/01/1995	14:43	0
ST232_100YRCHI	01/01/1995	14:44	0
ST232_100YRCHI	01/01/1995	14:45	0
ST232_100YRCHI	01/01/1995	14:46	0
ST232_100YRCHI	01/01/1995	14:47	0
ST232_100YRCHI	01/01/1995	14:48	0
ST232_100YRCHI	01/01/1995	14:49	0



post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	14:50	0
ST232_100YRCHI	01/01/1995	14:51	0
ST232_100YRCHI	01/01/1995	14:52	0
ST232_100YRCHI	01/01/1995	14:53	0
ST232_100YRCHI	01/01/1995	14:54	0
ST232_100YRCHI	01/01/1995	14:55	0
ST232_100YRCHI	01/01/1995	14:56	0
ST232_100YRCHI	01/01/1995	14:57	0
ST232_100YRCHI	01/01/1995	14:58	0
ST232_100YRCHI	01/01/1995	14:59	0
ST232_100YRCHI	01/01/1995	15:00	0
ST232_100YRCHI	01/01/1995	15:01	0
ST232_100YRCHI	01/01/1995	15:02	0
ST232_100YRCHI	01/01/1995	15:03	0
ST232_100YRCHI	01/01/1995	15:04	0
ST232_100YRCHI	01/01/1995	15:05	0
ST232_100YRCHI	01/01/1995	15:06	0
ST232_100YRCHI	01/01/1995	15:07	0
ST232_100YRCHI	01/01/1995	15:08	0
ST232_100YRCHI	01/01/1995	15:09	0
ST232_100YRCHI	01/01/1995	15:10	0
ST232_100YRCHI	01/01/1995	15:11	0
ST232_100YRCHI	01/01/1995	15:12	0
ST232_100YRCHI	01/01/1995	15:13	0
ST232_100YRCHI	01/01/1995	15:14	0
ST232_100YRCHI	01/01/1995	15:15	0
ST232_100YRCHI	01/01/1995	15:16	0
ST232_100YRCHI	01/01/1995	15:17	0
ST232_100YRCHI	01/01/1995	15:18	0
ST232_100YRCHI	01/01/1995	15:19	0
ST232_100YRCHI	01/01/1995	15:20	0
ST232_100YRCHI	01/01/1995	15:21	0
ST232_100YRCHI	01/01/1995	15:22	0
ST232_100YRCHI	01/01/1995	15:23	0
ST232_100YRCHI	01/01/1995	15:24	0
ST232_100YRCHI	01/01/1995	15:25	0
ST232_100YRCHI	01/01/1995	15:26	0
ST232_100YRCHI	01/01/1995	15:27	0
ST232_100YRCHI	01/01/1995	15:28	0
ST232_100YRCHI	01/01/1995	15:29	0
ST232_100YRCHI	01/01/1995	15:30	0
ST232_100YRCHI	01/01/1995	15:31	0
ST232_100YRCHI	01/01/1995	15:32	0
ST232_100YRCHI	01/01/1995	15:33	0
ST232_100YRCHI	01/01/1995	15:34	0
ST232_100YRCHI	01/01/1995	15:35	0
ST232_100YRCHI	01/01/1995	15:36	0
ST232_100YRCHI	01/01/1995	15:37	0
ST232_100YRCHI	01/01/1995	15:38	0
ST232_100YRCHI	01/01/1995	15:39	0
ST232_100YRCHI	01/01/1995	15:40	0
ST232_100YRCHI	01/01/1995	15:41	0
ST232_100YRCHI	01/01/1995	15:42	0
ST232_100YRCHI	01/01/1995	15:43	0
ST232_100YRCHI	01/01/1995	15:44	0
ST232_100YRCHI	01/01/1995	15:45	0
ST232_100YRCHI	01/01/1995	15:46	0
ST232_100YRCHI	01/01/1995	15:47	0
ST232_100YRCHI	01/01/1995	15:48	0
ST232_100YRCHI	01/01/1995	15:49	0
ST232_100YRCHI	01/01/1995	15:50	0
ST232_100YRCHI	01/01/1995	15:51	0
ST232_100YRCHI	01/01/1995	15:52	0
ST232_100YRCHI	01/01/1995	15:53	0
ST232_100YRCHI	01/01/1995	15:54	0
ST232_100YRCHI	01/01/1995	15:55	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	15:56	0
ST232_100YRCHI	01/01/1995	15:57	0
ST232_100YRCHI	01/01/1995	15:58	0
ST232_100YRCHI	01/01/1995	15:59	0
ST232_100YRCHI	01/01/1995	16:00	0
ST232_100YRCHI	01/01/1995	16:01	0
ST232_100YRCHI	01/01/1995	16:02	0
ST232_100YRCHI	01/01/1995	16:03	0
ST232_100YRCHI	01/01/1995	16:04	0
ST232_100YRCHI	01/01/1995	16:05	0
ST232_100YRCHI	01/01/1995	16:06	0
ST232_100YRCHI	01/01/1995	16:07	0
ST232_100YRCHI	01/01/1995	16:08	0
ST232_100YRCHI	01/01/1995	16:09	0
ST232_100YRCHI	01/01/1995	16:10	0
ST232_100YRCHI	01/01/1995	16:11	0
ST232_100YRCHI	01/01/1995	16:12	0
ST232_100YRCHI	01/01/1995	16:13	0
ST232_100YRCHI	01/01/1995	16:14	0
ST232_100YRCHI	01/01/1995	16:15	0
ST232_100YRCHI	01/01/1995	16:16	0
ST232_100YRCHI	01/01/1995	16:17	0
ST232_100YRCHI	01/01/1995	16:18	0
ST232_100YRCHI	01/01/1995	16:19	0
ST232_100YRCHI	01/01/1995	16:20	0
ST232_100YRCHI	01/01/1995	16:21	0
ST232_100YRCHI	01/01/1995	16:22	0
ST232_100YRCHI	01/01/1995	16:23	0
ST232_100YRCHI	01/01/1995	16:24	0
ST232_100YRCHI	01/01/1995	16:25	0
ST232_100YRCHI	01/01/1995	16:26	0
ST232_100YRCHI	01/01/1995	16:27	0
ST232_100YRCHI	01/01/1995	16:28	0
ST232_100YRCHI	01/01/1995	16:29	0
ST232_100YRCHI	01/01/1995	16:30	0
ST232_100YRCHI	01/01/1995	16:31	0
ST232_100YRCHI	01/01/1995	16:32	0
ST232_100YRCHI	01/01/1995	16:33	0
ST232_100YRCHI	01/01/1995	16:34	0
ST232_100YRCHI	01/01/1995	16:35	0
ST232_100YRCHI	01/01/1995	16:36	0
ST232_100YRCHI	01/01/1995	16:37	0
ST232_100YRCHI	01/01/1995	16:38	0
ST232_100YRCHI	01/01/1995	16:39	0
ST232_100YRCHI	01/01/1995	16:40	0
ST232_100YRCHI	01/01/1995	16:41	0
ST232_100YRCHI	01/01/1995	16:42	0
ST232_100YRCHI	01/01/1995	16:43	0
ST232_100YRCHI	01/01/1995	16:44	0
ST232_100YRCHI	01/01/1995	16:45	0
ST232_100YRCHI	01/01/1995	16:46	0
ST232_100YRCHI	01/01/1995	16:47	0
ST232_100YRCHI	01/01/1995	16:48	0
ST232_100YRCHI	01/01/1995	16:49	0
ST232_100YRCHI	01/01/1995	16:50	0
ST232_100YRCHI	01/01/1995	16:51	0
ST232_100YRCHI	01/01/1995	16:52	0
ST232_100YRCHI	01/01/1995	16:53	0
ST232_100YRCHI	01/01/1995	16:54	0
ST232_100YRCHI	01/01/1995	16:55	0
ST232_100YRCHI	01/01/1995	16:56	0
ST232_100YRCHI	01/01/1995	16:57	0
ST232_100YRCHI	01/01/1995	16:58	0
ST232_100YRCHI	01/01/1995	16:59	0
ST232_100YRCHI	01/01/1995	17:00	0
ST232_100YRCHI	01/01/1995	17:01	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	17:02	0
ST232_100YRCHI	01/01/1995	17:03	0
ST232_100YRCHI	01/01/1995	17:04	0
ST232_100YRCHI	01/01/1995	17:05	0
ST232_100YRCHI	01/01/1995	17:06	0
ST232_100YRCHI	01/01/1995	17:07	0
ST232_100YRCHI	01/01/1995	17:08	0
ST232_100YRCHI	01/01/1995	17:09	0
ST232_100YRCHI	01/01/1995	17:10	0
ST232_100YRCHI	01/01/1995	17:11	0
ST232_100YRCHI	01/01/1995	17:12	0
ST232_100YRCHI	01/01/1995	17:13	0
ST232_100YRCHI	01/01/1995	17:14	0
ST232_100YRCHI	01/01/1995	17:15	0
ST232_100YRCHI	01/01/1995	17:16	0
ST232_100YRCHI	01/01/1995	17:17	0
ST232_100YRCHI	01/01/1995	17:18	0
ST232_100YRCHI	01/01/1995	17:19	0
ST232_100YRCHI	01/01/1995	17:20	0
ST232_100YRCHI	01/01/1995	17:21	0
ST232_100YRCHI	01/01/1995	17:22	0
ST232_100YRCHI	01/01/1995	17:23	0
ST232_100YRCHI	01/01/1995	17:24	0
ST232_100YRCHI	01/01/1995	17:25	0
ST232_100YRCHI	01/01/1995	17:26	0
ST232_100YRCHI	01/01/1995	17:27	0
ST232_100YRCHI	01/01/1995	17:28	0
ST232_100YRCHI	01/01/1995	17:29	0
ST232_100YRCHI	01/01/1995	17:30	0
ST232_100YRCHI	01/01/1995	17:31	0
ST232_100YRCHI	01/01/1995	17:32	0
ST232_100YRCHI	01/01/1995	17:33	0
ST232_100YRCHI	01/01/1995	17:34	0
ST232_100YRCHI	01/01/1995	17:35	0
ST232_100YRCHI	01/01/1995	17:36	0
ST232_100YRCHI	01/01/1995	17:37	0
ST232_100YRCHI	01/01/1995	17:38	0
ST232_100YRCHI	01/01/1995	17:39	0
ST232_100YRCHI	01/01/1995	17:40	0
ST232_100YRCHI	01/01/1995	17:41	0
ST232_100YRCHI	01/01/1995	17:42	0
ST232_100YRCHI	01/01/1995	17:43	0
ST232_100YRCHI	01/01/1995	17:44	0
ST232_100YRCHI	01/01/1995	17:45	0
ST232_100YRCHI	01/01/1995	17:46	0
ST232_100YRCHI	01/01/1995	17:47	0
ST232_100YRCHI	01/01/1995	17:48	0
ST232_100YRCHI	01/01/1995	17:49	0
ST232_100YRCHI	01/01/1995	17:50	0
ST232_100YRCHI	01/01/1995	17:51	0
ST232_100YRCHI	01/01/1995	17:52	0
ST232_100YRCHI	01/01/1995	17:53	0
ST232_100YRCHI	01/01/1995	17:54	0
ST232_100YRCHI	01/01/1995	17:55	0
ST232_100YRCHI	01/01/1995	17:56	0
ST232_100YRCHI	01/01/1995	17:57	0
ST232_100YRCHI	01/01/1995	17:58	0
ST232_100YRCHI	01/01/1995	17:59	0
ST232_100YRCHI	01/01/1995	18:00	0
ST232_100YRCHI	01/01/1995	18:01	0
ST232_100YRCHI	01/01/1995	18:02	0
ST232_100YRCHI	01/01/1995	18:03	0
ST232_100YRCHI	01/01/1995	18:04	0
ST232_100YRCHI	01/01/1995	18:05	0
ST232_100YRCHI	01/01/1995	18:06	0
ST232_100YRCHI	01/01/1995	18:07	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	18:08	0
ST232_100YRCHI	01/01/1995	18:09	0
ST232_100YRCHI	01/01/1995	18:10	0
ST232_100YRCHI	01/01/1995	18:11	0
ST232_100YRCHI	01/01/1995	18:12	0
ST232_100YRCHI	01/01/1995	18:13	0
ST232_100YRCHI	01/01/1995	18:14	0
ST232_100YRCHI	01/01/1995	18:15	0
ST232_100YRCHI	01/01/1995	18:16	0
ST232_100YRCHI	01/01/1995	18:17	0
ST232_100YRCHI	01/01/1995	18:18	0
ST232_100YRCHI	01/01/1995	18:19	0
ST232_100YRCHI	01/01/1995	18:20	0
ST232_100YRCHI	01/01/1995	18:21	0
ST232_100YRCHI	01/01/1995	18:22	0
ST232_100YRCHI	01/01/1995	18:23	0
ST232_100YRCHI	01/01/1995	18:24	0
ST232_100YRCHI	01/01/1995	18:25	0
ST232_100YRCHI	01/01/1995	18:26	0
ST232_100YRCHI	01/01/1995	18:27	0
ST232_100YRCHI	01/01/1995	18:28	0
ST232_100YRCHI	01/01/1995	18:29	0
ST232_100YRCHI	01/01/1995	18:30	0
ST232_100YRCHI	01/01/1995	18:31	0
ST232_100YRCHI	01/01/1995	18:32	0
ST232_100YRCHI	01/01/1995	18:33	0
ST232_100YRCHI	01/01/1995	18:34	0
ST232_100YRCHI	01/01/1995	18:35	0
ST232_100YRCHI	01/01/1995	18:36	0
ST232_100YRCHI	01/01/1995	18:37	0
ST232_100YRCHI	01/01/1995	18:38	0
ST232_100YRCHI	01/01/1995	18:39	0
ST232_100YRCHI	01/01/1995	18:40	0
ST232_100YRCHI	01/01/1995	18:41	0
ST232_100YRCHI	01/01/1995	18:42	0
ST232_100YRCHI	01/01/1995	18:43	0
ST232_100YRCHI	01/01/1995	18:44	0
ST232_100YRCHI	01/01/1995	18:45	0
ST232_100YRCHI	01/01/1995	18:46	0
ST232_100YRCHI	01/01/1995	18:47	0
ST232_100YRCHI	01/01/1995	18:48	0
ST232_100YRCHI	01/01/1995	18:49	0
ST232_100YRCHI	01/01/1995	18:50	0
ST232_100YRCHI	01/01/1995	18:51	0
ST232_100YRCHI	01/01/1995	18:52	0
ST232_100YRCHI	01/01/1995	18:53	0
ST232_100YRCHI	01/01/1995	18:54	0
ST232_100YRCHI	01/01/1995	18:55	0
ST232_100YRCHI	01/01/1995	18:56	0
ST232_100YRCHI	01/01/1995	18:57	0
ST232_100YRCHI	01/01/1995	18:58	0
ST232_100YRCHI	01/01/1995	18:59	0
ST232_100YRCHI	01/01/1995	19:00	0
ST232_100YRCHI	01/01/1995	19:01	0
ST232_100YRCHI	01/01/1995	19:02	0
ST232_100YRCHI	01/01/1995	19:03	0
ST232_100YRCHI	01/01/1995	19:04	0
ST232_100YRCHI	01/01/1995	19:05	0
ST232_100YRCHI	01/01/1995	19:06	0
ST232_100YRCHI	01/01/1995	19:07	0
ST232_100YRCHI	01/01/1995	19:08	0
ST232_100YRCHI	01/01/1995	19:09	0
ST232_100YRCHI	01/01/1995	19:10	0
ST232_100YRCHI	01/01/1995	19:11	0
ST232_100YRCHI	01/01/1995	19:12	0
ST232_100YRCHI	01/01/1995	19:13	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	19:14	0
ST232_100YRCHI	01/01/1995	19:15	0
ST232_100YRCHI	01/01/1995	19:16	0
ST232_100YRCHI	01/01/1995	19:17	0
ST232_100YRCHI	01/01/1995	19:18	0
ST232_100YRCHI	01/01/1995	19:19	0
ST232_100YRCHI	01/01/1995	19:20	0
ST232_100YRCHI	01/01/1995	19:21	0
ST232_100YRCHI	01/01/1995	19:22	0
ST232_100YRCHI	01/01/1995	19:23	0
ST232_100YRCHI	01/01/1995	19:24	0
ST232_100YRCHI	01/01/1995	19:25	0
ST232_100YRCHI	01/01/1995	19:26	0
ST232_100YRCHI	01/01/1995	19:27	0
ST232_100YRCHI	01/01/1995	19:28	0
ST232_100YRCHI	01/01/1995	19:29	0
ST232_100YRCHI	01/01/1995	19:30	0
ST232_100YRCHI	01/01/1995	19:31	0
ST232_100YRCHI	01/01/1995	19:32	0
ST232_100YRCHI	01/01/1995	19:33	0
ST232_100YRCHI	01/01/1995	19:34	0
ST232_100YRCHI	01/01/1995	19:35	0
ST232_100YRCHI	01/01/1995	19:36	0
ST232_100YRCHI	01/01/1995	19:37	0
ST232_100YRCHI	01/01/1995	19:38	0
ST232_100YRCHI	01/01/1995	19:39	0
ST232_100YRCHI	01/01/1995	19:40	0
ST232_100YRCHI	01/01/1995	19:41	0
ST232_100YRCHI	01/01/1995	19:42	0
ST232_100YRCHI	01/01/1995	19:43	0
ST232_100YRCHI	01/01/1995	19:44	0
ST232_100YRCHI	01/01/1995	19:45	0
ST232_100YRCHI	01/01/1995	19:46	0
ST232_100YRCHI	01/01/1995	19:47	0
ST232_100YRCHI	01/01/1995	19:48	0
ST232_100YRCHI	01/01/1995	19:49	0
ST232_100YRCHI	01/01/1995	19:50	0
ST232_100YRCHI	01/01/1995	19:51	0
ST232_100YRCHI	01/01/1995	19:52	0
ST232_100YRCHI	01/01/1995	19:53	0
ST232_100YRCHI	01/01/1995	19:54	0
ST232_100YRCHI	01/01/1995	19:55	0
ST232_100YRCHI	01/01/1995	19:56	0
ST232_100YRCHI	01/01/1995	19:57	0
ST232_100YRCHI	01/01/1995	19:58	0
ST232_100YRCHI	01/01/1995	19:59	0
ST232_100YRCHI	01/01/1995	20:00	0
ST232_100YRCHI	01/01/1995	20:01	0
ST232_100YRCHI	01/01/1995	20:02	0
ST232_100YRCHI	01/01/1995	20:03	0
ST232_100YRCHI	01/01/1995	20:04	0
ST232_100YRCHI	01/01/1995	20:05	0
ST232_100YRCHI	01/01/1995	20:06	0
ST232_100YRCHI	01/01/1995	20:07	0
ST232_100YRCHI	01/01/1995	20:08	0
ST232_100YRCHI	01/01/1995	20:09	0
ST232_100YRCHI	01/01/1995	20:10	0
ST232_100YRCHI	01/01/1995	20:11	0
ST232_100YRCHI	01/01/1995	20:12	0
ST232_100YRCHI	01/01/1995	20:13	0
ST232_100YRCHI	01/01/1995	20:14	0
ST232_100YRCHI	01/01/1995	20:15	0
ST232_100YRCHI	01/01/1995	20:16	0
ST232_100YRCHI	01/01/1995	20:17	0
ST232_100YRCHI	01/01/1995	20:18	0
ST232_100YRCHI	01/01/1995	20:19	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	20:20	0
ST232_100YRCHI	01/01/1995	20:21	0
ST232_100YRCHI	01/01/1995	20:22	0
ST232_100YRCHI	01/01/1995	20:23	0
ST232_100YRCHI	01/01/1995	20:24	0
ST232_100YRCHI	01/01/1995	20:25	0
ST232_100YRCHI	01/01/1995	20:26	0
ST232_100YRCHI	01/01/1995	20:27	0
ST232_100YRCHI	01/01/1995	20:28	0
ST232_100YRCHI	01/01/1995	20:29	0
ST232_100YRCHI	01/01/1995	20:30	0
ST232_100YRCHI	01/01/1995	20:31	0
ST232_100YRCHI	01/01/1995	20:32	0
ST232_100YRCHI	01/01/1995	20:33	0
ST232_100YRCHI	01/01/1995	20:34	0
ST232_100YRCHI	01/01/1995	20:35	0
ST232_100YRCHI	01/01/1995	20:36	0
ST232_100YRCHI	01/01/1995	20:37	0
ST232_100YRCHI	01/01/1995	20:38	0
ST232_100YRCHI	01/01/1995	20:39	0
ST232_100YRCHI	01/01/1995	20:40	0
ST232_100YRCHI	01/01/1995	20:41	0
ST232_100YRCHI	01/01/1995	20:42	0
ST232_100YRCHI	01/01/1995	20:43	0
ST232_100YRCHI	01/01/1995	20:44	0
ST232_100YRCHI	01/01/1995	20:45	0
ST232_100YRCHI	01/01/1995	20:46	0
ST232_100YRCHI	01/01/1995	20:47	0
ST232_100YRCHI	01/01/1995	20:48	0
ST232_100YRCHI	01/01/1995	20:49	0
ST232_100YRCHI	01/01/1995	20:50	0
ST232_100YRCHI	01/01/1995	20:51	0
ST232_100YRCHI	01/01/1995	20:52	0
ST232_100YRCHI	01/01/1995	20:53	0
ST232_100YRCHI	01/01/1995	20:54	0
ST232_100YRCHI	01/01/1995	20:55	0
ST232_100YRCHI	01/01/1995	20:56	0
ST232_100YRCHI	01/01/1995	20:57	0
ST232_100YRCHI	01/01/1995	20:58	0
ST232_100YRCHI	01/01/1995	20:59	0
ST232_100YRCHI	01/01/1995	21:00	0
ST232_100YRCHI	01/01/1995	21:01	0
ST232_100YRCHI	01/01/1995	21:02	0
ST232_100YRCHI	01/01/1995	21:03	0
ST232_100YRCHI	01/01/1995	21:04	0
ST232_100YRCHI	01/01/1995	21:05	0
ST232_100YRCHI	01/01/1995	21:06	0
ST232_100YRCHI	01/01/1995	21:07	0
ST232_100YRCHI	01/01/1995	21:08	0
ST232_100YRCHI	01/01/1995	21:09	0
ST232_100YRCHI	01/01/1995	21:10	0
ST232_100YRCHI	01/01/1995	21:11	0
ST232_100YRCHI	01/01/1995	21:12	0
ST232_100YRCHI	01/01/1995	21:13	0
ST232_100YRCHI	01/01/1995	21:14	0
ST232_100YRCHI	01/01/1995	21:15	0
ST232_100YRCHI	01/01/1995	21:16	0
ST232_100YRCHI	01/01/1995	21:17	0
ST232_100YRCHI	01/01/1995	21:18	0
ST232_100YRCHI	01/01/1995	21:19	0
ST232_100YRCHI	01/01/1995	21:20	0
ST232_100YRCHI	01/01/1995	21:21	0
ST232_100YRCHI	01/01/1995	21:22	0
ST232_100YRCHI	01/01/1995	21:23	0
ST232_100YRCHI	01/01/1995	21:24	0
ST232_100YRCHI	01/01/1995	21:25	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	21:26	0
ST232_100YRCHI	01/01/1995	21:27	0
ST232_100YRCHI	01/01/1995	21:28	0
ST232_100YRCHI	01/01/1995	21:29	0
ST232_100YRCHI	01/01/1995	21:30	0
ST232_100YRCHI	01/01/1995	21:31	0
ST232_100YRCHI	01/01/1995	21:32	0
ST232_100YRCHI	01/01/1995	21:33	0
ST232_100YRCHI	01/01/1995	21:34	0
ST232_100YRCHI	01/01/1995	21:35	0
ST232_100YRCHI	01/01/1995	21:36	0
ST232_100YRCHI	01/01/1995	21:37	0
ST232_100YRCHI	01/01/1995	21:38	0
ST232_100YRCHI	01/01/1995	21:39	0
ST232_100YRCHI	01/01/1995	21:40	0
ST232_100YRCHI	01/01/1995	21:41	0
ST232_100YRCHI	01/01/1995	21:42	0
ST232_100YRCHI	01/01/1995	21:43	0
ST232_100YRCHI	01/01/1995	21:44	0
ST232_100YRCHI	01/01/1995	21:45	0
ST232_100YRCHI	01/01/1995	21:46	0
ST232_100YRCHI	01/01/1995	21:47	0
ST232_100YRCHI	01/01/1995	21:48	0
ST232_100YRCHI	01/01/1995	21:49	0
ST232_100YRCHI	01/01/1995	21:50	0
ST232_100YRCHI	01/01/1995	21:51	0
ST232_100YRCHI	01/01/1995	21:52	0
ST232_100YRCHI	01/01/1995	21:53	0
ST232_100YRCHI	01/01/1995	21:54	0
ST232_100YRCHI	01/01/1995	21:55	0
ST232_100YRCHI	01/01/1995	21:56	0
ST232_100YRCHI	01/01/1995	21:57	0
ST232_100YRCHI	01/01/1995	21:58	0
ST232_100YRCHI	01/01/1995	21:59	0
ST232_100YRCHI	01/01/1995	22:00	0
ST232_100YRCHI	01/01/1995	22:01	0
ST232_100YRCHI	01/01/1995	22:02	0
ST232_100YRCHI	01/01/1995	22:03	0
ST232_100YRCHI	01/01/1995	22:04	0
ST232_100YRCHI	01/01/1995	22:05	0
ST232_100YRCHI	01/01/1995	22:06	0
ST232_100YRCHI	01/01/1995	22:07	0
ST232_100YRCHI	01/01/1995	22:08	0
ST232_100YRCHI	01/01/1995	22:09	0
ST232_100YRCHI	01/01/1995	22:10	0
ST232_100YRCHI	01/01/1995	22:11	0
ST232_100YRCHI	01/01/1995	22:12	0
ST232_100YRCHI	01/01/1995	22:13	0
ST232_100YRCHI	01/01/1995	22:14	0
ST232_100YRCHI	01/01/1995	22:15	0
ST232_100YRCHI	01/01/1995	22:16	0
ST232_100YRCHI	01/01/1995	22:17	0
ST232_100YRCHI	01/01/1995	22:18	0
ST232_100YRCHI	01/01/1995	22:19	0
ST232_100YRCHI	01/01/1995	22:20	0
ST232_100YRCHI	01/01/1995	22:21	0
ST232_100YRCHI	01/01/1995	22:22	0
ST232_100YRCHI	01/01/1995	22:23	0
ST232_100YRCHI	01/01/1995	22:24	0
ST232_100YRCHI	01/01/1995	22:25	0
ST232_100YRCHI	01/01/1995	22:26	0
ST232_100YRCHI	01/01/1995	22:27	0
ST232_100YRCHI	01/01/1995	22:28	0
ST232_100YRCHI	01/01/1995	22:29	0
ST232_100YRCHI	01/01/1995	22:30	0
ST232_100YRCHI	01/01/1995	22:31	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	22:32	0
ST232_100YRCHI	01/01/1995	22:33	0
ST232_100YRCHI	01/01/1995	22:34	0
ST232_100YRCHI	01/01/1995	22:35	0
ST232_100YRCHI	01/01/1995	22:36	0
ST232_100YRCHI	01/01/1995	22:37	0
ST232_100YRCHI	01/01/1995	22:38	0
ST232_100YRCHI	01/01/1995	22:39	0
ST232_100YRCHI	01/01/1995	22:40	0
ST232_100YRCHI	01/01/1995	22:41	0
ST232_100YRCHI	01/01/1995	22:42	0
ST232_100YRCHI	01/01/1995	22:43	0
ST232_100YRCHI	01/01/1995	22:44	0
ST232_100YRCHI	01/01/1995	22:45	0
ST232_100YRCHI	01/01/1995	22:46	0
ST232_100YRCHI	01/01/1995	22:47	0
ST232_100YRCHI	01/01/1995	22:48	0
ST232_100YRCHI	01/01/1995	22:49	0
ST232_100YRCHI	01/01/1995	22:50	0
ST232_100YRCHI	01/01/1995	22:51	0
ST232_100YRCHI	01/01/1995	22:52	0
ST232_100YRCHI	01/01/1995	22:53	0
ST232_100YRCHI	01/01/1995	22:54	0
ST232_100YRCHI	01/01/1995	22:55	0
ST232_100YRCHI	01/01/1995	22:56	0
ST232_100YRCHI	01/01/1995	22:57	0
ST232_100YRCHI	01/01/1995	22:58	0
ST232_100YRCHI	01/01/1995	22:59	0
ST232_100YRCHI	01/01/1995	23:00	0
ST232_100YRCHI	01/01/1995	23:01	0
ST232_100YRCHI	01/01/1995	23:02	0
ST232_100YRCHI	01/01/1995	23:03	0
ST232_100YRCHI	01/01/1995	23:04	0
ST232_100YRCHI	01/01/1995	23:05	0
ST232_100YRCHI	01/01/1995	23:06	0
ST232_100YRCHI	01/01/1995	23:07	0
ST232_100YRCHI	01/01/1995	23:08	0
ST232_100YRCHI	01/01/1995	23:09	0
ST232_100YRCHI	01/01/1995	23:10	0
ST232_100YRCHI	01/01/1995	23:11	0
ST232_100YRCHI	01/01/1995	23:12	0
ST232_100YRCHI	01/01/1995	23:13	0
ST232_100YRCHI	01/01/1995	23:14	0
ST232_100YRCHI	01/01/1995	23:15	0
ST232_100YRCHI	01/01/1995	23:16	0
ST232_100YRCHI	01/01/1995	23:17	0
ST232_100YRCHI	01/01/1995	23:18	0
ST232_100YRCHI	01/01/1995	23:19	0
ST232_100YRCHI	01/01/1995	23:20	0
ST232_100YRCHI	01/01/1995	23:21	0
ST232_100YRCHI	01/01/1995	23:22	0
ST232_100YRCHI	01/01/1995	23:23	0
ST232_100YRCHI	01/01/1995	23:24	0
ST232_100YRCHI	01/01/1995	23:25	0
ST232_100YRCHI	01/01/1995	23:26	0
ST232_100YRCHI	01/01/1995	23:27	0
ST232_100YRCHI	01/01/1995	23:28	0
ST232_100YRCHI	01/01/1995	23:29	0
ST232_100YRCHI	01/01/1995	23:30	0
ST232_100YRCHI	01/01/1995	23:31	0
ST232_100YRCHI	01/01/1995	23:32	0
ST232_100YRCHI	01/01/1995	23:33	0
ST232_100YRCHI	01/01/1995	23:34	0
ST232_100YRCHI	01/01/1995	23:35	0
ST232_100YRCHI	01/01/1995	23:36	0
ST232_100YRCHI	01/01/1995	23:37	0



post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/01/1995	23:38	0
ST232_100YRCHI	01/01/1995	23:39	0
ST232_100YRCHI	01/01/1995	23:40	0
ST232_100YRCHI	01/01/1995	23:41	0
ST232_100YRCHI	01/01/1995	23:42	0
ST232_100YRCHI	01/01/1995	23:43	0
ST232_100YRCHI	01/01/1995	23:44	0
ST232_100YRCHI	01/01/1995	23:45	0
ST232_100YRCHI	01/01/1995	23:46	0
ST232_100YRCHI	01/01/1995	23:47	0
ST232_100YRCHI	01/01/1995	23:48	0
ST232_100YRCHI	01/01/1995	23:49	0
ST232_100YRCHI	01/01/1995	23:50	0
ST232_100YRCHI	01/01/1995	23:51	0
ST232_100YRCHI	01/01/1995	23:52	0
ST232_100YRCHI	01/01/1995	23:53	0
ST232_100YRCHI	01/01/1995	23:54	0
ST232_100YRCHI	01/01/1995	23:55	0
ST232_100YRCHI	01/01/1995	23:56	0
ST232_100YRCHI	01/01/1995	23:57	0
ST232_100YRCHI	01/01/1995	23:58	0
ST232_100YRCHI	01/01/1995	23:59	0
ST232_100YRCHI	01/02/1995	0:00	0
ST232_100YRCHI	01/02/1995	0:01	0
ST232_100YRCHI	01/02/1995	0:02	0
ST232_100YRCHI	01/02/1995	0:03	0
ST232_100YRCHI	01/02/1995	0:04	0
ST232_100YRCHI	01/02/1995	0:05	0
ST232_100YRCHI	01/02/1995	0:06	0
ST232_100YRCHI	01/02/1995	0:07	0
ST232_100YRCHI	01/02/1995	0:08	0
ST232_100YRCHI	01/02/1995	0:09	0
ST232_100YRCHI	01/02/1995	0:10	0
ST232_100YRCHI	01/02/1995	0:11	0
ST232_100YRCHI	01/02/1995	0:12	0
ST232_100YRCHI	01/02/1995	0:13	0
ST232_100YRCHI	01/02/1995	0:14	0
ST232_100YRCHI	01/02/1995	0:15	0
ST232_100YRCHI	01/02/1995	0:16	0
ST232_100YRCHI	01/02/1995	0:17	0
ST232_100YRCHI	01/02/1995	0:18	0
ST232_100YRCHI	01/02/1995	0:19	0
ST232_100YRCHI	01/02/1995	0:20	0
ST232_100YRCHI	01/02/1995	0:21	0
ST232_100YRCHI	01/02/1995	0:22	0
ST232_100YRCHI	01/02/1995	0:23	0
ST232_100YRCHI	01/02/1995	0:24	0
ST232_100YRCHI	01/02/1995	0:25	0
ST232_100YRCHI	01/02/1995	0:26	0
ST232_100YRCHI	01/02/1995	0:27	0
ST232_100YRCHI	01/02/1995	0:28	0
ST232_100YRCHI	01/02/1995	0:29	0
ST232_100YRCHI	01/02/1995	0:30	0
ST232_100YRCHI	01/02/1995	0:31	0
ST232_100YRCHI	01/02/1995	0:32	0
ST232_100YRCHI	01/02/1995	0:33	0
ST232_100YRCHI	01/02/1995	0:34	0
ST232_100YRCHI	01/02/1995	0:35	0
ST232_100YRCHI	01/02/1995	0:36	0
ST232_100YRCHI	01/02/1995	0:37	0
ST232_100YRCHI	01/02/1995	0:38	0
ST232_100YRCHI	01/02/1995	0:39	0
ST232_100YRCHI	01/02/1995	0:40	0
ST232_100YRCHI	01/02/1995	0:41	0
ST232_100YRCHI	01/02/1995	0:42	0
ST232_100YRCHI	01/02/1995	0:43	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/02/1995	0:44	0
ST232_100YRCHI	01/02/1995	0:45	0
ST232_100YRCHI	01/02/1995	0:46	0
ST232_100YRCHI	01/02/1995	0:47	0
ST232_100YRCHI	01/02/1995	0:48	0
ST232_100YRCHI	01/02/1995	0:49	0
ST232_100YRCHI	01/02/1995	0:50	0
ST232_100YRCHI	01/02/1995	0:51	0
ST232_100YRCHI	01/02/1995	0:52	0
ST232_100YRCHI	01/02/1995	0:53	0
ST232_100YRCHI	01/02/1995	0:54	0
ST232_100YRCHI	01/02/1995	0:55	0
ST232_100YRCHI	01/02/1995	0:56	0
ST232_100YRCHI	01/02/1995	0:57	0
ST232_100YRCHI	01/02/1995	0:58	0
ST232_100YRCHI	01/02/1995	0:59	0
ST232_100YRCHI	01/02/1995	1:00	0
ST232_100YRCHI	01/02/1995	1:01	0
ST232_100YRCHI	01/02/1995	1:02	0
ST232_100YRCHI	01/02/1995	1:03	0
ST232_100YRCHI	01/02/1995	1:04	0
ST232_100YRCHI	01/02/1995	1:05	0
ST232_100YRCHI	01/02/1995	1:06	0
ST232_100YRCHI	01/02/1995	1:07	0
ST232_100YRCHI	01/02/1995	1:08	0
ST232_100YRCHI	01/02/1995	1:09	0
ST232_100YRCHI	01/02/1995	1:10	0
ST232_100YRCHI	01/02/1995	1:11	0
ST232_100YRCHI	01/02/1995	1:12	0
ST232_100YRCHI	01/02/1995	1:13	0
ST232_100YRCHI	01/02/1995	1:14	0
ST232_100YRCHI	01/02/1995	1:15	0
ST232_100YRCHI	01/02/1995	1:16	0
ST232_100YRCHI	01/02/1995	1:17	0
ST232_100YRCHI	01/02/1995	1:18	0
ST232_100YRCHI	01/02/1995	1:19	0
ST232_100YRCHI	01/02/1995	1:20	0
ST232_100YRCHI	01/02/1995	1:21	0
ST232_100YRCHI	01/02/1995	1:22	0
ST232_100YRCHI	01/02/1995	1:23	0
ST232_100YRCHI	01/02/1995	1:24	0
ST232_100YRCHI	01/02/1995	1:25	0
ST232_100YRCHI	01/02/1995	1:26	0
ST232_100YRCHI	01/02/1995	1:27	0
ST232_100YRCHI	01/02/1995	1:28	0
ST232_100YRCHI	01/02/1995	1:29	0
ST232_100YRCHI	01/02/1995	1:30	0
ST232_100YRCHI	01/02/1995	1:31	0
ST232_100YRCHI	01/02/1995	1:32	0
ST232_100YRCHI	01/02/1995	1:33	0
ST232_100YRCHI	01/02/1995	1:34	0
ST232_100YRCHI	01/02/1995	1:35	0
ST232_100YRCHI	01/02/1995	1:36	0
ST232_100YRCHI	01/02/1995	1:37	0
ST232_100YRCHI	01/02/1995	1:38	0
ST232_100YRCHI	01/02/1995	1:39	0
ST232_100YRCHI	01/02/1995	1:40	0
ST232_100YRCHI	01/02/1995	1:41	0
ST232_100YRCHI	01/02/1995	1:42	0
ST232_100YRCHI	01/02/1995	1:43	0
ST232_100YRCHI	01/02/1995	1:44	0
ST232_100YRCHI	01/02/1995	1:45	0
ST232_100YRCHI	01/02/1995	1:46	0
ST232_100YRCHI	01/02/1995	1:47	0
ST232_100YRCHI	01/02/1995	1:48	0
ST232_100YRCHI	01/02/1995	1:49	0

post\_pond2\_2017-06-09\_100chi.inp

ST232_100YRCHI	01/02/1995	1:50	0
ST232_100YRCHI	01/02/1995	1:51	0
ST232_100YRCHI	01/02/1995	1:52	0
ST232_100YRCHI	01/02/1995	1:53	0
ST232_100YRCHI	01/02/1995	1:54	0
ST232_100YRCHI	01/02/1995	1:55	0
ST232_100YRCHI	01/02/1995	1:56	0
ST232_100YRCHI	01/02/1995	1:57	0
ST232_100YRCHI	01/02/1995	1:58	0
ST232_100YRCHI	01/02/1995	1:59	0
ST232_100YRCHI	01/02/1995	2:00	0
ST288_100YRCHI	01/01/1995	1:01	0
ST288_100YRCHI	01/01/1995	1:02	0
ST288_100YRCHI	01/01/1995	1:03	0
ST288_100YRCHI	01/01/1995	1:04	0
ST288_100YRCHI	01/01/1995	1:05	0
ST288_100YRCHI	01/01/1995	1:06	0
ST288_100YRCHI	01/01/1995	1:07	0
ST288_100YRCHI	01/01/1995	1:08	0
ST288_100YRCHI	01/01/1995	1:09	0
ST288_100YRCHI	01/01/1995	1:10	0
ST288_100YRCHI	01/01/1995	1:11	0
ST288_100YRCHI	01/01/1995	1:12	0
ST288_100YRCHI	01/01/1995	1:13	1.841437E-06
ST288_100YRCHI	01/01/1995	1:14	3.097004E-05
ST288_100YRCHI	01/01/1995	1:15	0.000461216
ST288_100YRCHI	01/01/1995	1:16	0.005606752
ST288_100YRCHI	01/01/1995	1:17	0.01174303
ST288_100YRCHI	01/01/1995	1:18	0.01675076
ST288_100YRCHI	01/01/1995	1:19	0.02117019
ST288_100YRCHI	01/01/1995	1:20	0.02553727
ST288_100YRCHI	01/01/1995	1:21	0.03021253
ST288_100YRCHI	01/01/1995	1:22	0.03492906
ST288_100YRCHI	01/01/1995	1:23	0.04005475
ST288_100YRCHI	01/01/1995	1:24	0.04508319
ST288_100YRCHI	01/01/1995	1:25	0.04983956
ST288_100YRCHI	01/01/1995	1:26	0.05427879
ST288_100YRCHI	01/01/1995	1:27	0.05826154
ST288_100YRCHI	01/01/1995	1:28	0.06147294
ST288_100YRCHI	01/01/1995	1:29	0.06446381
ST288_100YRCHI	01/01/1995	1:30	0.06710336
ST288_100YRCHI	01/01/1995	1:31	0.06980826
ST288_100YRCHI	01/01/1995	1:32	0.07284891
ST288_100YRCHI	01/01/1995	1:33	0.07630327
ST288_100YRCHI	01/01/1995	1:34	0.08101761
ST288_100YRCHI	01/01/1995	1:35	0.08665812
ST288_100YRCHI	01/01/1995	1:36	0.09262951
ST288_100YRCHI	01/01/1995	1:37	0.09861935
ST288_100YRCHI	01/01/1995	1:38	0.1043338
ST288_100YRCHI	01/01/1995	1:39	0.1095879
ST288_100YRCHI	01/01/1995	1:40	0.1146135
ST288_100YRCHI	01/01/1995	1:41	0.1187629
ST288_100YRCHI	01/01/1995	1:42	0.123341
ST288_100YRCHI	01/01/1995	1:43	0.1335268
ST288_100YRCHI	01/01/1995	1:44	0.1544169
ST288_100YRCHI	01/01/1995	1:45	0.1853636
ST288_100YRCHI	01/01/1995	1:46	0.2203973
ST288_100YRCHI	01/01/1995	1:47	0.2601982
ST288_100YRCHI	01/01/1995	1:48	0.3003551
ST288_100YRCHI	01/01/1995	1:49	0.3386348
ST288_100YRCHI	01/01/1995	1:50	0.3720949
ST288_100YRCHI	01/01/1995	1:51	0.4009421
ST288_100YRCHI	01/01/1995	1:52	0.4395451
ST288_100YRCHI	01/01/1995	1:53	0.5468461
ST288_100YRCHI	01/01/1995	1:54	0.7487777

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	1:55	0.9875448
ST288_100YRCHI	01/01/1995	1:56	1.274416
ST288_100YRCHI	01/01/1995	1:57	1.543608
ST288_100YRCHI	01/01/1995	1:58	1.617091
ST288_100YRCHI	01/01/1995	1:59	1.64467
ST288_100YRCHI	01/01/1995	2:00	1.665593
ST288_100YRCHI	01/01/1995	2:01	1.687646
ST288_100YRCHI	01/01/1995	2:02	1.704237
ST288_100YRCHI	01/01/1995	2:03	1.711833
ST288_100YRCHI	01/01/1995	2:04	1.716741
ST288_100YRCHI	01/01/1995	2:05	1.629216
ST288_100YRCHI	01/01/1995	2:06	1.562299
ST288_100YRCHI	01/01/1995	2:07	1.555097
ST288_100YRCHI	01/01/1995	2:08	1.522766
ST288_100YRCHI	01/01/1995	2:09	1.520841
ST288_100YRCHI	01/01/1995	2:10	1.478958
ST288_100YRCHI	01/01/1995	2:11	1.435318
ST288_100YRCHI	01/01/1995	2:12	1.359935
ST288_100YRCHI	01/01/1995	2:13	1.30959
ST288_100YRCHI	01/01/1995	2:14	1.235379
ST288_100YRCHI	01/01/1995	2:15	1.189258
ST288_100YRCHI	01/01/1995	2:16	1.143706
ST288_100YRCHI	01/01/1995	2:17	1.100239
ST288_100YRCHI	01/01/1995	2:18	1.054183
ST288_100YRCHI	01/01/1995	2:19	0.9997064
ST288_100YRCHI	01/01/1995	2:20	0.9422254
ST288_100YRCHI	01/01/1995	2:21	0.8861741
ST288_100YRCHI	01/01/1995	2:22	0.8292952
ST288_100YRCHI	01/01/1995	2:23	0.7378467
ST288_100YRCHI	01/01/1995	2:24	0.6703257
ST288_100YRCHI	01/01/1995	2:25	0.60492
ST288_100YRCHI	01/01/1995	2:26	0.5387031
ST288_100YRCHI	01/01/1995	2:27	0.4768882
ST288_100YRCHI	01/01/1995	2:28	0.4287423
ST288_100YRCHI	01/01/1995	2:29	0.3929174
ST288_100YRCHI	01/01/1995	2:30	0.3632753
ST288_100YRCHI	01/01/1995	2:31	0.3401508
ST288_100YRCHI	01/01/1995	2:32	0.3229389
ST288_100YRCHI	01/01/1995	2:33	0.3072581
ST288_100YRCHI	01/01/1995	2:34	0.2918739
ST288_100YRCHI	01/01/1995	2:35	0.2767584
ST288_100YRCHI	01/01/1995	2:36	0.2621011
ST288_100YRCHI	01/01/1995	2:37	0.2478311
ST288_100YRCHI	01/01/1995	2:38	0.233433
ST288_100YRCHI	01/01/1995	2:39	0.2213264
ST288_100YRCHI	01/01/1995	2:40	0.2112052
ST288_100YRCHI	01/01/1995	2:41	0.2023451
ST288_100YRCHI	01/01/1995	2:42	0.1943685
ST288_100YRCHI	01/01/1995	2:43	0.1869354
ST288_100YRCHI	01/01/1995	2:44	0.1792307
ST288_100YRCHI	01/01/1995	2:45	0.1703638
ST288_100YRCHI	01/01/1995	2:46	0.1623987
ST288_100YRCHI	01/01/1995	2:47	0.1555687
ST288_100YRCHI	01/01/1995	2:48	0.1490191
ST288_100YRCHI	01/01/1995	2:49	0.1428892
ST288_100YRCHI	01/01/1995	2:50	0.1380518
ST288_100YRCHI	01/01/1995	2:51	0.1338587
ST288_100YRCHI	01/01/1995	2:52	0.1300097
ST288_100YRCHI	01/01/1995	2:53	0.1263915
ST288_100YRCHI	01/01/1995	2:54	0.1227627
ST288_100YRCHI	01/01/1995	2:55	0.1189995
ST288_100YRCHI	01/01/1995	2:56	0.1151262
ST288_100YRCHI	01/01/1995	2:57	0.1113914
ST288_100YRCHI	01/01/1995	2:58	0.107611
ST288_100YRCHI	01/01/1995	2:59	0.1034721
ST288_100YRCHI	01/01/1995	3:00	0.1003408

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	3:01	0.09793958
ST288_100YRCHI	01/01/1995	3:02	0.09602044
ST288_100YRCHI	01/01/1995	3:03	0.09419988
ST288_100YRCHI	01/01/1995	3:04	0.0919803
ST288_100YRCHI	01/01/1995	3:05	0.08928028
ST288_100YRCHI	01/01/1995	3:06	0.08686905
ST288_100YRCHI	01/01/1995	3:07	0.08479567
ST288_100YRCHI	01/01/1995	3:08	0.08285514
ST288_100YRCHI	01/01/1995	3:09	0.08100014
ST288_100YRCHI	01/01/1995	3:10	0.07932978
ST288_100YRCHI	01/01/1995	3:11	0.07782542
ST288_100YRCHI	01/01/1995	3:12	0.07628138
ST288_100YRCHI	01/01/1995	3:13	0.07439567
ST288_100YRCHI	01/01/1995	3:14	0.07242675
ST288_100YRCHI	01/01/1995	3:15	0.07074655
ST288_100YRCHI	01/01/1995	3:16	0.06912415
ST288_100YRCHI	01/01/1995	3:17	0.06777241
ST288_100YRCHI	01/01/1995	3:18	0.06655058
ST288_100YRCHI	01/01/1995	3:19	0.06519277
ST288_100YRCHI	01/01/1995	3:20	0.06360788
ST288_100YRCHI	01/01/1995	3:21	0.06192525
ST288_100YRCHI	01/01/1995	3:22	0.06022482
ST288_100YRCHI	01/01/1995	3:23	0.05838551
ST288_100YRCHI	01/01/1995	3:24	0.05781379
ST288_100YRCHI	01/01/1995	3:25	0.05730513
ST288_100YRCHI	01/01/1995	3:26	0.05675894
ST288_100YRCHI	01/01/1995	3:27	0.0560624
ST288_100YRCHI	01/01/1995	3:28	0.05550484
ST288_100YRCHI	01/01/1995	3:29	0.05494331
ST288_100YRCHI	01/01/1995	3:30	0.05416492
ST288_100YRCHI	01/01/1995	3:31	0.05340904
ST288_100YRCHI	01/01/1995	3:32	0.05278284
ST288_100YRCHI	01/01/1995	3:33	0.05208908
ST288_100YRCHI	01/01/1995	3:34	0.05136665
ST288_100YRCHI	01/01/1995	3:35	0.0504191
ST288_100YRCHI	01/01/1995	3:36	0.04924714
ST288_100YRCHI	01/01/1995	3:37	0.04846074
ST288_100YRCHI	01/01/1995	3:38	0.04774652
ST288_100YRCHI	01/01/1995	3:39	0.04718295
ST288_100YRCHI	01/01/1995	3:40	0.04668475
ST288_100YRCHI	01/01/1995	3:41	0.04628023
ST288_100YRCHI	01/01/1995	3:42	0.04583286
ST288_100YRCHI	01/01/1995	3:43	0.04533032
ST288_100YRCHI	01/01/1995	3:44	0.04501034
ST288_100YRCHI	01/01/1995	3:45	0.04476144
ST288_100YRCHI	01/01/1995	3:46	0.04463941
ST288_100YRCHI	01/01/1995	3:47	0.04430289
ST288_100YRCHI	01/01/1995	3:48	0.04292316
ST288_100YRCHI	01/01/1995	3:49	0.04288822
ST288_100YRCHI	01/01/1995	3:50	0.04229655
ST288_100YRCHI	01/01/1995	3:51	0.04167254
ST288_100YRCHI	01/01/1995	3:52	0.0413572
ST288_100YRCHI	01/01/1995	3:53	0.04115067
ST288_100YRCHI	01/01/1995	3:54	0.04064222
ST288_100YRCHI	01/01/1995	3:55	0.04001227
ST288_100YRCHI	01/01/1995	3:56	0.03969384
ST288_100YRCHI	01/01/1995	3:57	0.03938897
ST288_100YRCHI	01/01/1995	3:58	0.03904284
ST288_100YRCHI	01/01/1995	3:59	0.03880787
ST288_100YRCHI	01/01/1995	4:00	0.03877006
ST288_100YRCHI	01/01/1995	4:01	0.03921654
ST288_100YRCHI	01/01/1995	4:02	0.03916236
ST288_100YRCHI	01/01/1995	4:03	0.03641326
ST288_100YRCHI	01/01/1995	4:04	0.03472133
ST288_100YRCHI	01/01/1995	4:05	0.03191407
ST288_100YRCHI	01/01/1995	4:06	0.02705384

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	4:07	0.02402571
ST288_100YRCHI	01/01/1995	4:08	0.02182679
ST288_100YRCHI	01/01/1995	4:09	0.01867409
ST288_100YRCHI	01/01/1995	4:10	0.01522025
ST288_100YRCHI	01/01/1995	4:11	0.0134623
ST288_100YRCHI	01/01/1995	4:12	0.01182238
ST288_100YRCHI	01/01/1995	4:13	0.009454697
ST288_100YRCHI	01/01/1995	4:14	0.008018543
ST288_100YRCHI	01/01/1995	4:15	0.00714098
ST288_100YRCHI	01/01/1995	4:16	0.005881185
ST288_100YRCHI	01/01/1995	4:17	0.005032486
ST288_100YRCHI	01/01/1995	4:18	0.004456037
ST288_100YRCHI	01/01/1995	4:19	0.00378657
ST288_100YRCHI	01/01/1995	4:20	0.003064801
ST288_100YRCHI	01/01/1995	4:21	0.00269378
ST288_100YRCHI	01/01/1995	4:22	0.002499303
ST288_100YRCHI	01/01/1995	4:23	0.001840716
ST288_100YRCHI	01/01/1995	4:24	0.001547087
ST288_100YRCHI	01/01/1995	4:25	0.001599696
ST288_100YRCHI	01/01/1995	4:26	0.001065349
ST288_100YRCHI	01/01/1995	4:27	0.0007823498
ST288_100YRCHI	01/01/1995	4:28	0.0009698138
ST288_100YRCHI	01/01/1995	4:29	0.0007276491
ST288_100YRCHI	01/01/1995	4:30	0.0004065329
ST288_100YRCHI	01/01/1995	4:31	0.0004719154
ST288_100YRCHI	01/01/1995	4:32	0.0005100881
ST288_100YRCHI	01/01/1995	4:33	0.0002078816
ST288_100YRCHI	01/01/1995	4:34	0.0001125088
ST288_100YRCHI	01/01/1995	4:35	0.0003777352
ST288_100YRCHI	01/01/1995	4:36	0.0001338864
ST288_100YRCHI	01/01/1995	4:37	-0.0001069792
ST288_100YRCHI	01/01/1995	4:38	0.0002530403
ST288_100YRCHI	01/01/1995	4:39	0.0001031302
ST288_100YRCHI	01/01/1995	4:40	-0.0002253397
ST288_100YRCHI	01/01/1995	4:41	0.0001077834
ST288_100YRCHI	01/01/1995	4:42	0.0001127726
ST288_100YRCHI	01/01/1995	4:43	-0.0002065634
ST288_100YRCHI	01/01/1995	4:44	-4.937798E-05
ST288_100YRCHI	01/01/1995	4:45	0.0001110011
ST288_100YRCHI	01/01/1995	4:46	-0.0001298259
ST288_100YRCHI	01/01/1995	4:47	-0.0001845775
ST288_100YRCHI	01/01/1995	4:48	9.698515E-05
ST288_100YRCHI	01/01/1995	4:49	-1.236267E-05
ST288_100YRCHI	01/01/1995	4:50	-0.0002738091
ST288_100YRCHI	01/01/1995	4:51	5.004414E-05
ST288_100YRCHI	01/01/1995	4:52	9.927763E-05
ST288_100YRCHI	01/01/1995	4:53	-0.0002909573
ST288_100YRCHI	01/01/1995	4:54	-5.796261E-06
ST288_100YRCHI	01/01/1995	4:55	0.0001827206
ST288_100YRCHI	01/01/1995	4:56	-0.0002455493
ST288_100YRCHI	01/01/1995	4:57	-8.264646E-05
ST288_100YRCHI	01/01/1995	4:58	0.0002139154
ST288_100YRCHI	01/01/1995	4:59	-0.0001210909
ST288_100YRCHI	01/01/1995	5:00	-0.0001423364
ST288_100YRCHI	01/01/1995	5:01	0.0001713468
ST288_100YRCHI	01/01/1995	5:02	2.622801E-05
ST288_100YRCHI	01/01/1995	5:03	-0.0001461212
ST288_100YRCHI	01/01/1995	5:04	0.0001027669
ST288_100YRCHI	01/01/1995	5:05	0.0001805708
ST288_100YRCHI	01/01/1995	5:06	-9.151927E-05
ST288_100YRCHI	01/01/1995	5:07	2.438806E-05
ST288_100YRCHI	01/01/1995	5:08	0.0002862474
ST288_100YRCHI	01/01/1995	5:09	-3.602436E-06
ST288_100YRCHI	01/01/1995	5:10	-2.262253E-05
ST288_100YRCHI	01/01/1995	5:11	0.0003517088
ST288_100YRCHI	01/01/1995	5:12	0.0001189836

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	5:13	-2.207671E-05
ST288_100YRCHI	01/01/1995	5:14	0.0003599703
ST288_100YRCHI	01/01/1995	5:15	0.0002312497
ST288_100YRCHI	01/01/1995	5:16	1.350219E-05
ST288_100YRCHI	01/01/1995	5:17	0.0003152673
ST288_100YRCHI	01/01/1995	5:18	0.0003281544
ST288_100YRCHI	01/01/1995	5:19	0.0001156674
ST288_100YRCHI	01/01/1995	5:20	0.0002621092
ST288_100YRCHI	01/01/1995	5:21	0.000400488
ST288_100YRCHI	01/01/1995	5:22	0.0002403583
ST288_100YRCHI	01/01/1995	5:23	0.0002053105
ST288_100YRCHI	01/01/1995	5:24	0.0004533632
ST288_100YRCHI	01/01/1995	5:25	0.0003849114
ST288_100YRCHI	01/01/1995	5:26	0.0001647238
ST288_100YRCHI	01/01/1995	5:27	0.0004586178
ST288_100YRCHI	01/01/1995	5:28	0.0005192743
ST288_100YRCHI	01/01/1995	5:29	0.0001822751
ST288_100YRCHI	01/01/1995	5:30	0.0004289837
ST288_100YRCHI	01/01/1995	5:31	0.0005942878
ST288_100YRCHI	01/01/1995	5:32	0.0002784891
ST288_100YRCHI	01/01/1995	5:33	0.0004135649
ST288_100YRCHI	01/01/1995	5:34	0.0006237982
ST288_100YRCHI	01/01/1995	5:35	0.0004082449
ST288_100YRCHI	01/01/1995	5:36	0.0003982062
ST288_100YRCHI	01/01/1995	5:37	0.0005962659
ST288_100YRCHI	01/01/1995	5:38	0.0005352144
ST288_100YRCHI	01/01/1995	5:39	0.0004054823
ST288_100YRCHI	01/01/1995	5:40	0.0005477341
ST288_100YRCHI	01/01/1995	5:41	0.0006549534
ST288_100YRCHI	01/01/1995	5:42	0.0004666019
ST288_100YRCHI	01/01/1995	5:43	0.0005140995
ST288_100YRCHI	01/01/1995	5:44	0.0007201443
ST288_100YRCHI	01/01/1995	5:45	0.0005289642
ST288_100YRCHI	01/01/1995	5:46	0.0005103733
ST288_100YRCHI	01/01/1995	5:47	0.0007523519
ST288_100YRCHI	01/01/1995	5:48	0.0005990383
ST288_100YRCHI	01/01/1995	5:49	0.0005156979
ST288_100YRCHI	01/01/1995	5:50	0.0007215984
ST288_100YRCHI	01/01/1995	5:51	0.0006882218
ST288_100YRCHI	01/01/1995	5:52	0.0005823461
ST288_100YRCHI	01/01/1995	5:53	0.0006544119
ST288_100YRCHI	01/01/1995	5:54	0.0007473596
ST288_100YRCHI	01/01/1995	5:55	0.0006831653
ST288_100YRCHI	01/01/1995	5:56	0.0006131286
ST288_100YRCHI	01/01/1995	5:57	0.0007754621
ST288_100YRCHI	01/01/1995	5:58	0.0007571343
ST288_100YRCHI	01/01/1995	5:59	0.0005956137
ST288_100YRCHI	01/01/1995	6:00	0.0007834195
ST288_100YRCHI	01/01/1995	6:01	0.0008190545
ST288_100YRCHI	01/01/1995	6:02	0.0006323007
ST288_100YRCHI	01/01/1995	6:03	0.0007726348
ST288_100YRCHI	01/01/1995	6:04	0.000852827
ST288_100YRCHI	01/01/1995	6:05	0.000716508
ST288_100YRCHI	01/01/1995	6:06	0.0007273694
ST288_100YRCHI	01/01/1995	6:07	0.00084818
ST288_100YRCHI	01/01/1995	6:08	0.0008329158
ST288_100YRCHI	01/01/1995	6:09	0.0006984466
ST288_100YRCHI	01/01/1995	6:10	0.0008099273
ST288_100YRCHI	01/01/1995	6:11	0.0009320343
ST288_100YRCHI	01/01/1995	6:12	0.0007520299
ST288_100YRCHI	01/01/1995	6:13	0.0008246101
ST288_100YRCHI	01/01/1995	6:14	0.0009439003
ST288_100YRCHI	01/01/1995	6:15	0.0007903979
ST288_100YRCHI	01/01/1995	6:16	0.0008140563
ST288_100YRCHI	01/01/1995	6:17	0.0009055116
ST288_100YRCHI	01/01/1995	6:18	0.0008777467

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	6:19	0.0008303497
ST288_100YRCHI	01/01/1995	6:20	0.0008371829
ST288_100YRCHI	01/01/1995	6:21	0.0009475807
ST288_100YRCHI	01/01/1995	6:22	0.0008550907
ST288_100YRCHI	01/01/1995	6:23	0.0008129629
ST288_100YRCHI	01/01/1995	6:24	0.0009816842
ST288_100YRCHI	01/01/1995	6:25	0.0008769119
ST288_100YRCHI	01/01/1995	6:26	0.0008313427
ST288_100YRCHI	01/01/1995	6:27	0.0009681159
ST288_100YRCHI	01/01/1995	6:28	0.0009284728
ST288_100YRCHI	01/01/1995	6:29	0.0008649755
ST288_100YRCHI	01/01/1995	6:30	0.0009030045
ST288_100YRCHI	01/01/1995	6:31	0.0009901994
ST288_100YRCHI	01/01/1995	6:32	0.0009123905
ST288_100YRCHI	01/01/1995	6:33	0.0008482344
ST288_100YRCHI	01/01/1995	6:34	0.001017683
ST288_100YRCHI	01/01/1995	6:35	0.0009638657
ST288_100YRCHI	01/01/1995	6:36	0.0008450944
ST288_100YRCHI	01/01/1995	6:37	0.0009827248
ST288_100YRCHI	01/01/1995	6:38	0.001001484
ST288_100YRCHI	01/01/1995	6:39	0.0009155667
ST288_100YRCHI	01/01/1995	6:40	0.0009032133
ST288_100YRCHI	01/01/1995	6:41	0.0009941454
ST288_100YRCHI	01/01/1995	6:42	0.001006331
ST288_100YRCHI	01/01/1995	6:43	0.0008737775
ST288_100YRCHI	01/01/1995	6:44	0.0009848172
ST288_100YRCHI	01/01/1995	6:45	0.001051329
ST288_100YRCHI	01/01/1995	6:46	0.001106681
ST288_100YRCHI	01/01/1995	6:47	0.001362387
ST288_100YRCHI	01/01/1995	6:48	0.001537007
ST288_100YRCHI	01/01/1995	6:49	0.001577382
ST288_100YRCHI	01/01/1995	6:50	0.001625358
ST288_100YRCHI	01/01/1995	6:51	0.001858297
ST288_100YRCHI	01/01/1995	6:52	0.001924053
ST288_100YRCHI	01/01/1995	6:53	0.00186512
ST288_100YRCHI	01/01/1995	6:54	0.002072458
ST288_100YRCHI	01/01/1995	6:55	0.002169777
ST288_100YRCHI	01/01/1995	6:56	0.002105718
ST288_100YRCHI	01/01/1995	6:57	0.002153856
ST288_100YRCHI	01/01/1995	6:58	0.00232299
ST288_100YRCHI	01/01/1995	6:59	0.002345401
ST288_100YRCHI	01/01/1995	7:00	0.00222609
ST288_100YRCHI	01/01/1995	7:01	0.002380013
ST288_100YRCHI	01/01/1995	7:02	0.002474106
ST288_100YRCHI	01/01/1995	7:03	0.00238571
ST288_100YRCHI	01/01/1995	7:04	0.002305129
ST288_100YRCHI	01/01/1995	7:05	0.002155638
ST288_100YRCHI	01/01/1995	7:06	0.001951093
ST288_100YRCHI	01/01/1995	7:07	0.00178387
ST288_100YRCHI	01/01/1995	7:08	0.001782098
ST288_100YRCHI	01/01/1995	7:09	0.001740419
ST288_100YRCHI	01/01/1995	7:10	0.001555879
ST288_100YRCHI	01/01/1995	7:11	0.001545649
ST288_100YRCHI	01/01/1995	7:12	0.001582505
ST288_100YRCHI	01/01/1995	7:13	0.001528259
ST288_100YRCHI	01/01/1995	7:14	0.00139022
ST288_100YRCHI	01/01/1995	7:15	0.001439063
ST288_100YRCHI	01/01/1995	7:16	0.001495793
ST288_100YRCHI	01/01/1995	7:17	0.001403228
ST288_100YRCHI	01/01/1995	7:18	0.00136044
ST288_100YRCHI	01/01/1995	7:19	0.001405993
ST288_100YRCHI	01/01/1995	7:20	0.001428027
ST288_100YRCHI	01/01/1995	7:21	0.001317381
ST288_100YRCHI	01/01/1995	7:22	0.001345583
ST288_100YRCHI	01/01/1995	7:23	0.001409284
ST288_100YRCHI	01/01/1995	7:24	0.001390167



post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	7:25	0.001298268
ST288_100YRCHI	01/01/1995	7:26	0.001336892
ST288_100YRCHI	01/01/1995	7:27	0.001416534
ST288_100YRCHI	01/01/1995	7:28	0.001361596
ST288_100YRCHI	01/01/1995	7:29	0.001313775
ST288_100YRCHI	01/01/1995	7:30	0.001370162
ST288_100YRCHI	01/01/1995	7:31	0.001420911
ST288_100YRCHI	01/01/1995	7:32	0.001317461
ST288_100YRCHI	01/01/1995	7:33	0.001311328
ST288_100YRCHI	01/01/1995	7:34	0.001389678
ST288_100YRCHI	01/01/1995	7:35	0.00140752
ST288_100YRCHI	01/01/1995	7:36	0.001311491
ST288_100YRCHI	01/01/1995	7:37	0.001312648
ST288_100YRCHI	01/01/1995	7:38	0.001397636
ST288_100YRCHI	01/01/1995	7:39	0.001377413
ST288_100YRCHI	01/01/1995	7:40	0.001300365
ST288_100YRCHI	01/01/1995	7:41	0.001317818
ST288_100YRCHI	01/01/1995	7:42	0.00140688
ST288_100YRCHI	01/01/1995	7:43	0.001350557
ST288_100YRCHI	01/01/1995	7:44	0.001288143
ST288_100YRCHI	01/01/1995	7:45	0.001317934
ST288_100YRCHI	01/01/1995	7:46	0.0014017
ST288_100YRCHI	01/01/1995	7:47	0.001311833
ST288_100YRCHI	01/01/1995	7:48	0.001268419
ST288_100YRCHI	01/01/1995	7:49	0.001327487
ST288_100YRCHI	01/01/1995	7:50	0.001378273
ST288_100YRCHI	01/01/1995	7:51	0.00129215
ST288_100YRCHI	01/01/1995	7:52	0.001260741
ST288_100YRCHI	01/01/1995	7:53	0.001351881
ST288_100YRCHI	01/01/1995	7:54	0.001394032
ST288_100YRCHI	01/01/1995	7:55	0.001308776
ST288_100YRCHI	01/01/1995	7:56	0.001279772
ST288_100YRCHI	01/01/1995	7:57	0.00136003
ST288_100YRCHI	01/01/1995	7:58	0.001373481
ST288_100YRCHI	01/01/1995	7:59	0.00128755
ST288_100YRCHI	01/01/1995	8:00	0.0012545
ST288_100YRCHI	01/01/1995	8:01	0.001341088
ST288_100YRCHI	01/01/1995	8:02	0.001347443
ST288_100YRCHI	01/01/1995	8:03	0.001283709
ST288_100YRCHI	01/01/1995	8:04	0.00124476
ST288_100YRCHI	01/01/1995	8:05	0.001330887
ST288_100YRCHI	01/01/1995	8:06	0.001327362
ST288_100YRCHI	01/01/1995	8:07	0.001265621
ST288_100YRCHI	01/01/1995	8:08	0.001238374
ST288_100YRCHI	01/01/1995	8:09	0.001307935
ST288_100YRCHI	01/01/1995	8:10	0.001310152
ST288_100YRCHI	01/01/1995	8:11	0.001234768
ST288_100YRCHI	01/01/1995	8:12	0.001222546
ST288_100YRCHI	01/01/1995	8:13	0.001289827
ST288_100YRCHI	01/01/1995	8:14	0.001289129
ST288_100YRCHI	01/01/1995	8:15	0.001230015
ST288_100YRCHI	01/01/1995	8:16	0.001221181
ST288_100YRCHI	01/01/1995	8:17	0.001283271
ST288_100YRCHI	01/01/1995	8:18	0.001273711
ST288_100YRCHI	01/01/1995	8:19	0.001216785
ST288_100YRCHI	01/01/1995	8:20	0.001218063
ST288_100YRCHI	01/01/1995	8:21	0.001270559
ST288_100YRCHI	01/01/1995	8:22	0.001252412
ST288_100YRCHI	01/01/1995	8:23	0.001196737
ST288_100YRCHI	01/01/1995	8:24	0.001192409
ST288_100YRCHI	01/01/1995	8:25	0.001234452
ST288_100YRCHI	01/01/1995	8:26	0.001165854
ST288_100YRCHI	01/01/1995	8:27	0.00109854
ST288_100YRCHI	01/01/1995	8:28	0.00112016
ST288_100YRCHI	01/01/1995	8:29	0.001014772
ST288_100YRCHI	01/01/1995	8:30	0.001083654

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	8:31	0.0009852886
ST288_100YRCHI	01/01/1995	8:32	0.0009963094
ST288_100YRCHI	01/01/1995	8:33	0.001010099
ST288_100YRCHI	01/01/1995	8:34	0.0009427686
ST288_100YRCHI	01/01/1995	8:35	0.001004811
ST288_100YRCHI	01/01/1995	8:36	0.0009219868
ST288_100YRCHI	01/01/1995	8:37	0.0009571697
ST288_100YRCHI	01/01/1995	8:38	0.0009365565
ST288_100YRCHI	01/01/1995	8:39	0.0009204804
ST288_100YRCHI	01/01/1995	8:40	0.0009656996
ST288_100YRCHI	01/01/1995	8:41	0.0008987338
ST288_100YRCHI	01/01/1995	8:42	0.000949168
ST288_100YRCHI	01/01/1995	8:43	0.0009178158
ST288_100YRCHI	01/01/1995	8:44	0.000921021
ST288_100YRCHI	01/01/1995	8:45	0.0009536415
ST288_100YRCHI	01/01/1995	8:46	0.0008819692
ST288_100YRCHI	01/01/1995	8:47	0.0009463207
ST288_100YRCHI	01/01/1995	8:48	0.0008961704
ST288_100YRCHI	01/01/1995	8:49	0.0008878284
ST288_100YRCHI	01/01/1995	8:50	0.0009367956
ST288_100YRCHI	01/01/1995	8:51	0.0008612938
ST288_100YRCHI	01/01/1995	8:52	0.0009155879
ST288_100YRCHI	01/01/1995	8:53	0.0008962247
ST288_100YRCHI	01/01/1995	8:54	0.0008752519
ST288_100YRCHI	01/01/1995	8:55	0.0009081743
ST288_100YRCHI	01/01/1995	8:56	0.0008516763
ST288_100YRCHI	01/01/1995	8:57	0.0008962069
ST288_100YRCHI	01/01/1995	8:58	0.0008701692
ST288_100YRCHI	01/01/1995	8:59	0.0008518327
ST288_100YRCHI	01/01/1995	9:00	0.0008958946
ST288_100YRCHI	01/01/1995	9:01	0.0008175969
ST288_100YRCHI	01/01/1995	9:02	0.0008688426
ST288_100YRCHI	01/01/1995	9:03	0.0008674965
ST288_100YRCHI	01/01/1995	9:04	0.000814214
ST288_100YRCHI	01/01/1995	9:05	0.0008943416
ST288_100YRCHI	01/01/1995	9:06	0.0008292298
ST288_100YRCHI	01/01/1995	9:07	0.000848644
ST288_100YRCHI	01/01/1995	9:08	0.0008777616
ST288_100YRCHI	01/01/1995	9:09	0.0008244351
ST288_100YRCHI	01/01/1995	9:10	0.0008746547
ST288_100YRCHI	01/01/1995	9:11	0.0008297544
ST288_100YRCHI	01/01/1995	9:12	0.0008364376
ST288_100YRCHI	01/01/1995	9:13	0.0008785052
ST288_100YRCHI	01/01/1995	9:14	0.0008110469
ST288_100YRCHI	01/01/1995	9:15	0.0008572581
ST288_100YRCHI	01/01/1995	9:16	0.0008435054
ST288_100YRCHI	01/01/1995	9:17	0.0008019293
ST288_100YRCHI	01/01/1995	9:18	0.0008633207
ST288_100YRCHI	01/01/1995	9:19	0.0007893676
ST288_100YRCHI	01/01/1995	9:20	0.0008067791
ST288_100YRCHI	01/01/1995	9:21	0.0008555616
ST288_100YRCHI	01/01/1995	9:22	0.0007725064
ST288_100YRCHI	01/01/1995	9:23	0.0008153265
ST288_100YRCHI	01/01/1995	9:24	0.0008225378
ST288_100YRCHI	01/01/1995	9:25	0.0007570292
ST288_100YRCHI	01/01/1995	9:26	0.0008219748
ST288_100YRCHI	01/01/1995	9:27	0.0007909788
ST288_100YRCHI	01/01/1995	9:28	0.0007653649
ST288_100YRCHI	01/01/1995	9:29	0.0008228255
ST288_100YRCHI	01/01/1995	9:30	0.0007678352
ST288_100YRCHI	01/01/1995	9:31	0.0007816794
ST288_100YRCHI	01/01/1995	9:32	0.0008275498
ST288_100YRCHI	01/01/1995	9:33	0.0007695607
ST288_100YRCHI	01/01/1995	9:34	0.0007931218
ST288_100YRCHI	01/01/1995	9:35	0.0008057326
ST288_100YRCHI	01/01/1995	9:36	0.0007631864

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	9:37	0.000795337
ST288_100YRCHI	01/01/1995	9:38	0.0007805655
ST288_100YRCHI	01/01/1995	9:39	0.0007625821
ST288_100YRCHI	01/01/1995	9:40	0.0007770691
ST288_100YRCHI	01/01/1995	9:41	0.0007564152
ST288_100YRCHI	01/01/1995	9:42	0.0007688612
ST288_100YRCHI	01/01/1995	9:43	0.0007592057
ST288_100YRCHI	01/01/1995	9:44	0.0007403285
ST288_100YRCHI	01/01/1995	9:45	0.0007607497
ST288_100YRCHI	01/01/1995	9:46	0.0007469978
ST288_100YRCHI	01/01/1995	9:47	0.0007303538
ST288_100YRCHI	01/01/1995	9:48	0.0007582595
ST288_100YRCHI	01/01/1995	9:49	0.0007337549
ST288_100YRCHI	01/01/1995	9:50	0.0007103503
ST288_100YRCHI	01/01/1995	9:51	0.0007588492
ST288_100YRCHI	01/01/1995	9:52	0.0007247093
ST288_100YRCHI	01/01/1995	9:53	0.0006932621
ST288_100YRCHI	01/01/1995	9:54	0.000743271
ST288_100YRCHI	01/01/1995	9:55	0.0007140043
ST288_100YRCHI	01/01/1995	9:56	0.0006980865
ST288_100YRCHI	01/01/1995	9:57	0.0007487187
ST288_100YRCHI	01/01/1995	9:58	0.0007158412
ST288_100YRCHI	01/01/1995	9:59	0.0007015484
ST288_100YRCHI	01/01/1995	10:00	0.0007519136
ST288_100YRCHI	01/01/1995	10:01	0.0007149624
ST288_100YRCHI	01/01/1995	10:02	0.0006836486
ST288_100YRCHI	01/01/1995	10:03	0.0007384021
ST288_100YRCHI	01/01/1995	10:04	0.0007166705
ST288_100YRCHI	01/01/1995	10:05	0.0006702131
ST288_100YRCHI	01/01/1995	10:06	0.0007280312
ST288_100YRCHI	01/01/1995	10:07	0.0007223717
ST288_100YRCHI	01/01/1995	10:08	0.0006568579
ST288_100YRCHI	01/01/1995	10:09	0.0006956661
ST288_100YRCHI	01/01/1995	10:10	0.0007069501
ST288_100YRCHI	01/01/1995	10:11	0.0006504864
ST288_100YRCHI	01/01/1995	10:12	0.0006902809
ST288_100YRCHI	01/01/1995	10:13	0.0007041598
ST288_100YRCHI	01/01/1995	10:14	0.0006331343
ST288_100YRCHI	01/01/1995	10:15	0.0006631581
ST288_100YRCHI	01/01/1995	10:16	0.0006885138
ST288_100YRCHI	01/01/1995	10:17	0.0006224617
ST288_100YRCHI	01/01/1995	10:18	0.0006428456
ST288_100YRCHI	01/01/1995	10:19	0.0006790549
ST288_100YRCHI	01/01/1995	10:20	0.0006199245
ST288_100YRCHI	01/01/1995	10:21	0.0006277249
ST288_100YRCHI	01/01/1995	10:22	0.000677819
ST288_100YRCHI	01/01/1995	10:23	0.0006387233
ST288_100YRCHI	01/01/1995	10:24	0.0006334887
ST288_100YRCHI	01/01/1995	10:25	0.000680691
ST288_100YRCHI	01/01/1995	10:26	0.0006381674
ST288_100YRCHI	01/01/1995	10:27	0.0006184915
ST288_100YRCHI	01/01/1995	10:28	0.0006768437
ST288_100YRCHI	01/01/1995	10:29	0.0006430557
ST288_100YRCHI	01/01/1995	10:30	0.0006041606
ST288_100YRCHI	01/01/1995	10:31	0.0006536458
ST288_100YRCHI	01/01/1995	10:32	0.0006475196
ST288_100YRCHI	01/01/1995	10:33	0.0006001085
ST288_100YRCHI	01/01/1995	10:34	0.0006324678
ST288_100YRCHI	01/01/1995	10:35	0.0006456158
ST288_100YRCHI	01/01/1995	10:36	0.0005910736
ST288_100YRCHI	01/01/1995	10:37	0.000609431
ST288_100YRCHI	01/01/1995	10:38	0.0006427214
ST288_100YRCHI	01/01/1995	10:39	0.0005903736
ST288_100YRCHI	01/01/1995	10:40	0.0005759986
ST288_100YRCHI	01/01/1995	10:41	0.0006321169
ST288_100YRCHI	01/01/1995	10:42	0.0006156215

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	10:43	0.0005553275
ST288_100YRCHI	01/01/1995	10:44	0.0005811157
ST288_100YRCHI	01/01/1995	10:45	0.0006127208
ST288_100YRCHI	01/01/1995	10:46	0.0005651105
ST288_100YRCHI	01/01/1995	10:47	0.0005508521
ST288_100YRCHI	01/01/1995	10:48	0.0005939895
ST288_100YRCHI	01/01/1995	10:49	0.000567057
ST288_100YRCHI	01/01/1995	10:50	0.0005214793
ST288_100YRCHI	01/01/1995	10:51	0.0005725386
ST288_100YRCHI	01/01/1995	10:52	0.0006036288
ST288_100YRCHI	01/01/1995	10:53	0.0005393716
ST288_100YRCHI	01/01/1995	10:54	0.0005356433
ST288_100YRCHI	01/01/1995	10:55	0.000603485
ST288_100YRCHI	01/01/1995	10:56	0.0005753158
ST288_100YRCHI	01/01/1995	10:57	0.0005192666
ST288_100YRCHI	01/01/1995	10:58	0.000560516
ST288_100YRCHI	01/01/1995	10:59	0.0005913364
ST288_100YRCHI	01/01/1995	11:00	0.0005398567
ST288_100YRCHI	01/01/1995	11:01	0.000526046
ST288_100YRCHI	01/01/1995	11:02	0.000572511
ST288_100YRCHI	01/01/1995	11:03	0.0005688876
ST288_100YRCHI	01/01/1995	11:04	0.0005229496
ST288_100YRCHI	01/01/1995	11:05	0.0005241716
ST288_100YRCHI	01/01/1995	11:06	0.0005630639
ST288_100YRCHI	01/01/1995	11:07	0.0005494101
ST288_100YRCHI	01/01/1995	11:08	0.0005028411
ST288_100YRCHI	01/01/1995	11:09	0.0005120169
ST288_100YRCHI	01/01/1995	11:10	0.0005398353
ST288_100YRCHI	01/01/1995	11:11	0.0005155585
ST288_100YRCHI	01/01/1995	11:12	0.0004989437
ST288_100YRCHI	01/01/1995	11:13	0.0005270455
ST288_100YRCHI	01/01/1995	11:14	0.000527904
ST288_100YRCHI	01/01/1995	11:15	0.0004931297
ST288_100YRCHI	01/01/1995	11:16	0.0004889219
ST288_100YRCHI	01/01/1995	11:17	0.0005092818
ST288_100YRCHI	01/01/1995	11:18	0.0004851589
ST288_100YRCHI	01/01/1995	11:19	0.0004442858
ST288_100YRCHI	01/01/1995	11:20	0.00046177
ST288_100YRCHI	01/01/1995	11:21	0.000500829
ST288_100YRCHI	01/01/1995	11:22	0.0004919615
ST288_100YRCHI	01/01/1995	11:23	0.0004578143
ST288_100YRCHI	01/01/1995	11:24	0.0004669686
ST288_100YRCHI	01/01/1995	11:25	0.0005048421
ST288_100YRCHI	01/01/1995	11:26	0.0005022704
ST288_100YRCHI	01/01/1995	11:27	0.0004667471
ST288_100YRCHI	01/01/1995	11:28	0.0004643752
ST288_100YRCHI	01/01/1995	11:29	0.000489932
ST288_100YRCHI	01/01/1995	11:30	0.0004883029
ST288_100YRCHI	01/01/1995	11:31	0.0004614525
ST288_100YRCHI	01/01/1995	11:32	0.000456689
ST288_100YRCHI	01/01/1995	11:33	0.0004766548
ST288_100YRCHI	01/01/1995	11:34	0.0004795821
ST288_100YRCHI	01/01/1995	11:35	0.0004583848
ST288_100YRCHI	01/01/1995	11:36	0.0004510007
ST288_100YRCHI	01/01/1995	11:37	0.0004643355
ST288_100YRCHI	01/01/1995	11:38	0.0004609993
ST288_100YRCHI	01/01/1995	11:39	0.0004450564
ST288_100YRCHI	01/01/1995	11:40	0.0004425927
ST288_100YRCHI	01/01/1995	11:41	0.000444725
ST288_100YRCHI	01/01/1995	11:42	0.0004370371
ST288_100YRCHI	01/01/1995	11:43	0.0004323275
ST288_100YRCHI	01/01/1995	11:44	0.0004365116
ST288_100YRCHI	01/01/1995	11:45	0.0004335277
ST288_100YRCHI	01/01/1995	11:46	0.0004195934
ST288_100YRCHI	01/01/1995	11:47	0.0004089584
ST288_100YRCHI	01/01/1995	11:48	0.0004105891

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	11:49	0.0004128547
ST288_100YRCHI	01/01/1995	11:50	0.0004049476
ST288_100YRCHI	01/01/1995	11:51	0.0003951437
ST288_100YRCHI	01/01/1995	11:52	0.0003939949
ST288_100YRCHI	01/01/1995	11:53	0.0003824933
ST288_100YRCHI	01/01/1995	11:54	0.00034797
ST288_100YRCHI	01/01/1995	11:55	0.0003233342
ST288_100YRCHI	01/01/1995	11:56	0.0003404907
ST288_100YRCHI	01/01/1995	11:57	0.0003798238
ST288_100YRCHI	01/01/1995	11:58	0.000400056
ST288_100YRCHI	01/01/1995	11:59	0.0003952408
ST288_100YRCHI	01/01/1995	12:00	0.0003908943
ST288_100YRCHI	01/01/1995	12:01	0.0004030133
ST288_100YRCHI	01/01/1995	12:02	0.0004199741
ST288_100YRCHI	01/01/1995	12:03	0.0004234701
ST288_100YRCHI	01/01/1995	12:04	0.0004114432
ST288_100YRCHI	01/01/1995	12:05	0.0004007795
ST288_100YRCHI	01/01/1995	12:06	0.0004052132
ST288_100YRCHI	01/01/1995	12:07	0.0004114223
ST288_100YRCHI	01/01/1995	12:08	0.0004035479
ST288_100YRCHI	01/01/1995	12:09	0.0003894244
ST288_100YRCHI	01/01/1995	12:10	0.0003796744
ST288_100YRCHI	01/01/1995	12:11	0.0003796502
ST288_100YRCHI	01/01/1995	12:12	0.000382476
ST288_100YRCHI	01/01/1995	12:13	0.0003871112
ST288_100YRCHI	01/01/1995	12:14	0.0003891453
ST288_100YRCHI	01/01/1995	12:15	0.0003830962
ST288_100YRCHI	01/01/1995	12:16	0.0003584189
ST288_100YRCHI	01/01/1995	12:17	0.0003276973
ST288_100YRCHI	01/01/1995	12:18	0.0003177182
ST288_100YRCHI	01/01/1995	12:19	0.0003315595
ST288_100YRCHI	01/01/1995	12:20	0.0003546703
ST288_100YRCHI	01/01/1995	12:21	0.0003623744
ST288_100YRCHI	01/01/1995	12:22	0.0003430625
ST288_100YRCHI	01/01/1995	12:23	0.0003243067
ST288_100YRCHI	01/01/1995	12:24	0.0003212877
ST288_100YRCHI	01/01/1995	12:25	0.000328078
ST288_100YRCHI	01/01/1995	12:26	0.0003352836
ST288_100YRCHI	01/01/1995	12:27	0.0003297333
ST288_100YRCHI	01/01/1995	12:28	0.0003209938
ST288_100YRCHI	01/01/1995	12:29	0.0003168675
ST288_100YRCHI	01/01/1995	12:30	0.000322223
ST288_100YRCHI	01/01/1995	12:31	0.0003367776
ST288_100YRCHI	01/01/1995	12:32	0.0003461514
ST288_100YRCHI	01/01/1995	12:33	0.0003462486
ST288_100YRCHI	01/01/1995	12:34	0.0003379569
ST288_100YRCHI	01/01/1995	12:35	0.0003295871
ST288_100YRCHI	01/01/1995	12:36	0.0003275505
ST288_100YRCHI	01/01/1995	12:37	0.0003284804
ST288_100YRCHI	01/01/1995	12:38	0.0003296284
ST288_100YRCHI	01/01/1995	12:39	0.000327416
ST288_100YRCHI	01/01/1995	12:40	0.0003236041
ST288_100YRCHI	01/01/1995	12:41	0.0003181221
ST288_100YRCHI	01/01/1995	12:42	0.0003137378
ST288_100YRCHI	01/01/1995	12:43	0.0003099141
ST288_100YRCHI	01/01/1995	12:44	0.0003067896
ST288_100YRCHI	01/01/1995	12:45	0.0003036067
ST288_100YRCHI	01/01/1995	12:46	0.0002998755
ST288_100YRCHI	01/01/1995	12:47	0.0002957119
ST288_100YRCHI	01/01/1995	12:48	0.0002912865
ST288_100YRCHI	01/01/1995	12:49	0.0002869947
ST288_100YRCHI	01/01/1995	12:50	0.0002830298
ST288_100YRCHI	01/01/1995	12:51	0.0002786295
ST288_100YRCHI	01/01/1995	12:52	0.0002697074
ST288_100YRCHI	01/01/1995	12:53	0.0002629929
ST288_100YRCHI	01/01/1995	12:54	0.000256104

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	12:55	0.0002526044
ST288_100YRCHI	01/01/1995	12:56	0.0002495039
ST288_100YRCHI	01/01/1995	12:57	0.0002464055
ST288_100YRCHI	01/01/1995	12:58	0.0002384654
ST288_100YRCHI	01/01/1995	12:59	0.0002328068
ST288_100YRCHI	01/01/1995	13:00	0.0002272451
ST288_100YRCHI	01/01/1995	13:01	0.0002230784
ST288_100YRCHI	01/01/1995	13:02	0.0002271546
ST288_100YRCHI	01/01/1995	13:03	0.0002367535
ST288_100YRCHI	01/01/1995	13:04	0.0002469554
ST288_100YRCHI	01/01/1995	13:05	0.0002566768
ST288_100YRCHI	01/01/1995	13:06	0.000264269
ST288_100YRCHI	01/01/1995	13:07	0.0002694425
ST288_100YRCHI	01/01/1995	13:08	0.0002570291
ST288_100YRCHI	01/01/1995	13:09	0.000239388
ST288_100YRCHI	01/01/1995	13:10	0.0002305576
ST288_100YRCHI	01/01/1995	13:11	0.0002224427
ST288_100YRCHI	01/01/1995	13:12	0.0002225567
ST288_100YRCHI	01/01/1995	13:13	0.0002232868
ST288_100YRCHI	01/01/1995	13:14	0.0002175068
ST288_100YRCHI	01/01/1995	13:15	0.0002098276
ST288_100YRCHI	01/01/1995	13:16	0.0001932883
ST288_100YRCHI	01/01/1995	13:17	0.0001660159
ST288_100YRCHI	01/01/1995	13:18	0.000125065
ST288_100YRCHI	01/01/1995	13:19	8.61742E-05
ST288_100YRCHI	01/01/1995	13:20	4.313591E-05
ST288_100YRCHI	01/01/1995	13:21	3.666931E-05
ST288_100YRCHI	01/01/1995	13:22	3.622883E-05
ST288_100YRCHI	01/01/1995	13:23	3.547636E-05
ST288_100YRCHI	01/01/1995	13:24	3.449636E-05
ST288_100YRCHI	01/01/1995	13:25	3.335656E-05
ST288_100YRCHI	01/01/1995	13:26	3.21106E-05
ST288_100YRCHI	01/01/1995	13:27	3.080043E-05
ST288_100YRCHI	01/01/1995	13:28	2.94585E-05
ST288_100YRCHI	01/01/1995	13:29	2.810959E-05
ST288_100YRCHI	01/01/1995	13:30	2.677236E-05
ST288_100YRCHI	01/01/1995	13:31	2.546061E-05
ST288_100YRCHI	01/01/1995	13:32	2.418428E-05
ST288_100YRCHI	01/01/1995	13:33	2.295033E-05
ST288_100YRCHI	01/01/1995	13:34	2.17634E-05
ST288_100YRCHI	01/01/1995	13:35	2.062629E-05
ST288_100YRCHI	01/01/1995	13:36	1.954044E-05
ST288_100YRCHI	01/01/1995	13:37	1.850626E-05
ST288_100YRCHI	01/01/1995	13:38	1.752335E-05
ST288_100YRCHI	01/01/1995	13:39	1.659075E-05
ST288_100YRCHI	01/01/1995	13:40	1.570708E-05
ST288_100YRCHI	01/01/1995	13:41	1.487068E-05
ST288_100YRCHI	01/01/1995	13:42	1.407968E-05
ST288_100YRCHI	01/01/1995	13:43	1.333211E-05
ST288_100YRCHI	01/01/1995	13:44	1.262593E-05
ST288_100YRCHI	01/01/1995	13:45	1.2019E-05
ST288_100YRCHI	01/01/1995	13:46	1.167217E-05
ST288_100YRCHI	01/01/1995	13:47	1.145457E-05
ST288_100YRCHI	01/01/1995	13:48	1.075313E-05
ST288_100YRCHI	01/01/1995	13:49	1.010555E-05
ST288_100YRCHI	01/01/1995	13:50	9.506548E-06
ST288_100YRCHI	01/01/1995	13:51	8.951491E-06
ST288_100YRCHI	01/01/1995	13:52	8.436283E-06
ST288_100YRCHI	01/01/1995	13:53	7.957304E-06
ST288_100YRCHI	01/01/1995	13:54	7.511341E-06
ST288_100YRCHI	01/01/1995	13:55	7.095534E-06
ST288_100YRCHI	01/01/1995	13:56	6.707332E-06
ST288_100YRCHI	01/01/1995	13:57	6.344446E-06
ST288_100YRCHI	01/01/1995	13:58	6.004829E-06
ST288_100YRCHI	01/01/1995	13:59	5.686633E-06
ST288_100YRCHI	01/01/1995	14:00	5.388195E-06

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	14:01	5.108011E-06
ST288_100YRCHI	01/01/1995	14:02	4.844717E-06
ST288_100YRCHI	01/01/1995	14:03	4.597076E-06
ST288_100YRCHI	01/01/1995	14:04	4.36525E-06
ST288_100YRCHI	01/01/1995	14:05	4.150034E-06
ST288_100YRCHI	01/01/1995	14:06	3.946494E-06
ST288_100YRCHI	01/01/1995	14:07	3.753922E-06
ST288_100YRCHI	01/01/1995	14:08	3.57165E-06
ST288_100YRCHI	01/01/1995	14:09	3.399058E-06
ST288_100YRCHI	01/01/1995	14:10	3.235567E-06
ST288_100YRCHI	01/01/1995	14:11	3.080638E-06
ST288_100YRCHI	01/01/1995	14:12	2.933769E-06
ST288_100YRCHI	01/01/1995	14:13	2.794489E-06
ST288_100YRCHI	01/01/1995	14:14	2.662362E-06
ST288_100YRCHI	01/01/1995	14:15	2.536977E-06
ST288_100YRCHI	01/01/1995	14:16	2.417953E-06
ST288_100YRCHI	01/01/1995	14:17	2.304929E-06
ST288_100YRCHI	01/01/1995	14:18	2.197573E-06
ST288_100YRCHI	01/01/1995	14:19	2.095568E-06
ST288_100YRCHI	01/01/1995	14:20	1.998622E-06
ST288_100YRCHI	01/01/1995	14:21	1.906457E-06
ST288_100YRCHI	01/01/1995	14:22	1.818814E-06
ST288_100YRCHI	01/01/1995	14:23	1.73545E-06
ST288_100YRCHI	01/01/1995	14:24	1.656137E-06
ST288_100YRCHI	01/01/1995	14:25	1.58066E-06
ST288_100YRCHI	01/01/1995	14:26	1.508816E-06
ST288_100YRCHI	01/01/1995	14:27	1.440415E-06
ST288_100YRCHI	01/01/1995	14:28	1.375278E-06
ST288_100YRCHI	01/01/1995	14:29	1.313236E-06
ST288_100YRCHI	01/01/1995	14:30	1.254131E-06
ST288_100YRCHI	01/01/1995	14:31	1.197812E-06
ST288_100YRCHI	01/01/1995	14:32	1.144138E-06
ST288_100YRCHI	01/01/1995	14:33	1.092976E-06
ST288_100YRCHI	01/01/1995	14:34	1.0442E-06
ST288_100YRCHI	01/01/1995	14:35	9.976899E-07
ST288_100YRCHI	01/01/1995	14:36	9.533339E-07
ST288_100YRCHI	01/01/1995	14:37	9.110257E-07
ST288_100YRCHI	01/01/1995	14:38	8.706646E-07
ST288_100YRCHI	01/01/1995	14:39	8.321554E-07
ST288_100YRCHI	01/01/1995	14:40	7.95408E-07
ST288_100YRCHI	01/01/1995	14:41	7.603371E-07
ST288_100YRCHI	01/01/1995	14:42	7.26862E-07
ST288_100YRCHI	01/01/1995	14:43	6.94906E-07
ST288_100YRCHI	01/01/1995	14:44	6.643965E-07
ST288_100YRCHI	01/01/1995	14:45	6.352647E-07
ST288_100YRCHI	01/01/1995	14:46	6.074454E-07
ST288_100YRCHI	01/01/1995	14:47	5.808764E-07
ST288_100YRCHI	01/01/1995	14:48	5.554991E-07
ST288_100YRCHI	01/01/1995	14:49	5.312577E-07
ST288_100YRCHI	01/01/1995	14:50	5.080989E-07
ST288_100YRCHI	01/01/1995	14:51	4.859726E-07
ST288_100YRCHI	01/01/1995	14:52	4.648308E-07
ST288_100YRCHI	01/01/1995	14:53	4.446279E-07
ST288_100YRCHI	01/01/1995	14:54	3.215675E-07
ST288_100YRCHI	01/01/1995	14:55	7.158775E-08
ST288_100YRCHI	01/01/1995	14:56	2.650838E-07
ST288_100YRCHI	01/01/1995	14:57	2.653431E-07
ST288_100YRCHI	01/01/1995	14:58	7.139105E-08
ST288_100YRCHI	01/01/1995	14:59	2.640479E-07
ST288_100YRCHI	01/01/1995	15:00	1.821559E-07
ST288_100YRCHI	01/01/1995	15:01	0
ST288_100YRCHI	01/01/1995	15:02	7.133106E-08
ST288_100YRCHI	01/01/1995	15:03	7.143718E-08
ST288_100YRCHI	01/01/1995	15:04	0
ST288_100YRCHI	01/01/1995	15:05	4.907193E-08
ST288_100YRCHI	01/01/1995	15:06	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	15:07	0
ST288_100YRCHI	01/01/1995	15:08	0
ST288_100YRCHI	01/01/1995	15:09	0
ST288_100YRCHI	01/01/1995	15:10	0
ST288_100YRCHI	01/01/1995	15:11	0
ST288_100YRCHI	01/01/1995	15:12	0
ST288_100YRCHI	01/01/1995	15:13	0
ST288_100YRCHI	01/01/1995	15:14	0
ST288_100YRCHI	01/01/1995	15:15	0
ST288_100YRCHI	01/01/1995	15:16	0
ST288_100YRCHI	01/01/1995	15:17	0
ST288_100YRCHI	01/01/1995	15:18	0
ST288_100YRCHI	01/01/1995	15:19	0
ST288_100YRCHI	01/01/1995	15:20	0
ST288_100YRCHI	01/01/1995	15:21	0
ST288_100YRCHI	01/01/1995	15:22	0
ST288_100YRCHI	01/01/1995	15:23	0
ST288_100YRCHI	01/01/1995	15:24	0
ST288_100YRCHI	01/01/1995	15:25	0
ST288_100YRCHI	01/01/1995	15:26	0
ST288_100YRCHI	01/01/1995	15:27	0
ST288_100YRCHI	01/01/1995	15:28	0
ST288_100YRCHI	01/01/1995	15:29	0
ST288_100YRCHI	01/01/1995	15:30	0
ST288_100YRCHI	01/01/1995	15:31	0
ST288_100YRCHI	01/01/1995	15:32	0
ST288_100YRCHI	01/01/1995	15:33	0
ST288_100YRCHI	01/01/1995	15:34	0
ST288_100YRCHI	01/01/1995	15:35	0
ST288_100YRCHI	01/01/1995	15:36	0
ST288_100YRCHI	01/01/1995	15:37	0
ST288_100YRCHI	01/01/1995	15:38	0
ST288_100YRCHI	01/01/1995	15:39	0
ST288_100YRCHI	01/01/1995	15:40	0
ST288_100YRCHI	01/01/1995	15:41	0
ST288_100YRCHI	01/01/1995	15:42	0
ST288_100YRCHI	01/01/1995	15:43	0
ST288_100YRCHI	01/01/1995	15:44	0
ST288_100YRCHI	01/01/1995	15:45	0
ST288_100YRCHI	01/01/1995	15:46	0
ST288_100YRCHI	01/01/1995	15:47	0
ST288_100YRCHI	01/01/1995	15:48	0
ST288_100YRCHI	01/01/1995	15:49	0
ST288_100YRCHI	01/01/1995	15:50	0
ST288_100YRCHI	01/01/1995	15:51	0
ST288_100YRCHI	01/01/1995	15:52	0
ST288_100YRCHI	01/01/1995	15:53	0
ST288_100YRCHI	01/01/1995	15:54	0
ST288_100YRCHI	01/01/1995	15:55	0
ST288_100YRCHI	01/01/1995	15:56	0
ST288_100YRCHI	01/01/1995	15:57	0
ST288_100YRCHI	01/01/1995	15:58	0
ST288_100YRCHI	01/01/1995	15:59	0
ST288_100YRCHI	01/01/1995	16:00	0
ST288_100YRCHI	01/01/1995	16:01	0
ST288_100YRCHI	01/01/1995	16:02	0
ST288_100YRCHI	01/01/1995	16:03	0
ST288_100YRCHI	01/01/1995	16:04	0
ST288_100YRCHI	01/01/1995	16:05	0
ST288_100YRCHI	01/01/1995	16:06	0
ST288_100YRCHI	01/01/1995	16:07	0
ST288_100YRCHI	01/01/1995	16:08	0
ST288_100YRCHI	01/01/1995	16:09	0
ST288_100YRCHI	01/01/1995	16:10	0
ST288_100YRCHI	01/01/1995	16:11	0
ST288_100YRCHI	01/01/1995	16:12	0



post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	16:13	0
ST288_100YRCHI	01/01/1995	16:14	0
ST288_100YRCHI	01/01/1995	16:15	0
ST288_100YRCHI	01/01/1995	16:16	0
ST288_100YRCHI	01/01/1995	16:17	0
ST288_100YRCHI	01/01/1995	16:18	0
ST288_100YRCHI	01/01/1995	16:19	0
ST288_100YRCHI	01/01/1995	16:20	0
ST288_100YRCHI	01/01/1995	16:21	0
ST288_100YRCHI	01/01/1995	16:22	0
ST288_100YRCHI	01/01/1995	16:23	0
ST288_100YRCHI	01/01/1995	16:24	0
ST288_100YRCHI	01/01/1995	16:25	0
ST288_100YRCHI	01/01/1995	16:26	0
ST288_100YRCHI	01/01/1995	16:27	0
ST288_100YRCHI	01/01/1995	16:28	0
ST288_100YRCHI	01/01/1995	16:29	0
ST288_100YRCHI	01/01/1995	16:30	0
ST288_100YRCHI	01/01/1995	16:31	0
ST288_100YRCHI	01/01/1995	16:32	0
ST288_100YRCHI	01/01/1995	16:33	0
ST288_100YRCHI	01/01/1995	16:34	0
ST288_100YRCHI	01/01/1995	16:35	0
ST288_100YRCHI	01/01/1995	16:36	0
ST288_100YRCHI	01/01/1995	16:37	0
ST288_100YRCHI	01/01/1995	16:38	0
ST288_100YRCHI	01/01/1995	16:39	0
ST288_100YRCHI	01/01/1995	16:40	0
ST288_100YRCHI	01/01/1995	16:41	0
ST288_100YRCHI	01/01/1995	16:42	0
ST288_100YRCHI	01/01/1995	16:43	0
ST288_100YRCHI	01/01/1995	16:44	0
ST288_100YRCHI	01/01/1995	16:45	0
ST288_100YRCHI	01/01/1995	16:46	0
ST288_100YRCHI	01/01/1995	16:47	0
ST288_100YRCHI	01/01/1995	16:48	0
ST288_100YRCHI	01/01/1995	16:49	0
ST288_100YRCHI	01/01/1995	16:50	0
ST288_100YRCHI	01/01/1995	16:51	0
ST288_100YRCHI	01/01/1995	16:52	0
ST288_100YRCHI	01/01/1995	16:53	0
ST288_100YRCHI	01/01/1995	16:54	0
ST288_100YRCHI	01/01/1995	16:55	0
ST288_100YRCHI	01/01/1995	16:56	0
ST288_100YRCHI	01/01/1995	16:57	0
ST288_100YRCHI	01/01/1995	16:58	0
ST288_100YRCHI	01/01/1995	16:59	0
ST288_100YRCHI	01/01/1995	17:00	0
ST288_100YRCHI	01/01/1995	17:01	0
ST288_100YRCHI	01/01/1995	17:02	0
ST288_100YRCHI	01/01/1995	17:03	0
ST288_100YRCHI	01/01/1995	17:04	0
ST288_100YRCHI	01/01/1995	17:05	0
ST288_100YRCHI	01/01/1995	17:06	0
ST288_100YRCHI	01/01/1995	17:07	0
ST288_100YRCHI	01/01/1995	17:08	0
ST288_100YRCHI	01/01/1995	17:09	0
ST288_100YRCHI	01/01/1995	17:10	0
ST288_100YRCHI	01/01/1995	17:11	0
ST288_100YRCHI	01/01/1995	17:12	0
ST288_100YRCHI	01/01/1995	17:13	0
ST288_100YRCHI	01/01/1995	17:14	0
ST288_100YRCHI	01/01/1995	17:15	0
ST288_100YRCHI	01/01/1995	17:16	0
ST288_100YRCHI	01/01/1995	17:17	0
ST288_100YRCHI	01/01/1995	17:18	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	17:19	0
ST288_100YRCHI	01/01/1995	17:20	0
ST288_100YRCHI	01/01/1995	17:21	0
ST288_100YRCHI	01/01/1995	17:22	0
ST288_100YRCHI	01/01/1995	17:23	0
ST288_100YRCHI	01/01/1995	17:24	0
ST288_100YRCHI	01/01/1995	17:25	0
ST288_100YRCHI	01/01/1995	17:26	0
ST288_100YRCHI	01/01/1995	17:27	0
ST288_100YRCHI	01/01/1995	17:28	0
ST288_100YRCHI	01/01/1995	17:29	0
ST288_100YRCHI	01/01/1995	17:30	0
ST288_100YRCHI	01/01/1995	17:31	0
ST288_100YRCHI	01/01/1995	17:32	0
ST288_100YRCHI	01/01/1995	17:33	0
ST288_100YRCHI	01/01/1995	17:34	0
ST288_100YRCHI	01/01/1995	17:35	0
ST288_100YRCHI	01/01/1995	17:36	0
ST288_100YRCHI	01/01/1995	17:37	0
ST288_100YRCHI	01/01/1995	17:38	0
ST288_100YRCHI	01/01/1995	17:39	0
ST288_100YRCHI	01/01/1995	17:40	0
ST288_100YRCHI	01/01/1995	17:41	0
ST288_100YRCHI	01/01/1995	17:42	0
ST288_100YRCHI	01/01/1995	17:43	0
ST288_100YRCHI	01/01/1995	17:44	0
ST288_100YRCHI	01/01/1995	17:45	0
ST288_100YRCHI	01/01/1995	17:46	0
ST288_100YRCHI	01/01/1995	17:47	0
ST288_100YRCHI	01/01/1995	17:48	0
ST288_100YRCHI	01/01/1995	17:49	0
ST288_100YRCHI	01/01/1995	17:50	0
ST288_100YRCHI	01/01/1995	17:51	0
ST288_100YRCHI	01/01/1995	17:52	0
ST288_100YRCHI	01/01/1995	17:53	0
ST288_100YRCHI	01/01/1995	17:54	0
ST288_100YRCHI	01/01/1995	17:55	0
ST288_100YRCHI	01/01/1995	17:56	0
ST288_100YRCHI	01/01/1995	17:57	0
ST288_100YRCHI	01/01/1995	17:58	0
ST288_100YRCHI	01/01/1995	17:59	0
ST288_100YRCHI	01/01/1995	18:00	0
ST288_100YRCHI	01/01/1995	18:01	0
ST288_100YRCHI	01/01/1995	18:02	0
ST288_100YRCHI	01/01/1995	18:03	0
ST288_100YRCHI	01/01/1995	18:04	0
ST288_100YRCHI	01/01/1995	18:05	0
ST288_100YRCHI	01/01/1995	18:06	0
ST288_100YRCHI	01/01/1995	18:07	0
ST288_100YRCHI	01/01/1995	18:08	0
ST288_100YRCHI	01/01/1995	18:09	0
ST288_100YRCHI	01/01/1995	18:10	0
ST288_100YRCHI	01/01/1995	18:11	0
ST288_100YRCHI	01/01/1995	18:12	0
ST288_100YRCHI	01/01/1995	18:13	0
ST288_100YRCHI	01/01/1995	18:14	0
ST288_100YRCHI	01/01/1995	18:15	0
ST288_100YRCHI	01/01/1995	18:16	0
ST288_100YRCHI	01/01/1995	18:17	0
ST288_100YRCHI	01/01/1995	18:18	0
ST288_100YRCHI	01/01/1995	18:19	0
ST288_100YRCHI	01/01/1995	18:20	0
ST288_100YRCHI	01/01/1995	18:21	0
ST288_100YRCHI	01/01/1995	18:22	0
ST288_100YRCHI	01/01/1995	18:23	0
ST288_100YRCHI	01/01/1995	18:24	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	18:25	0
ST288_100YRCHI	01/01/1995	18:26	0
ST288_100YRCHI	01/01/1995	18:27	0
ST288_100YRCHI	01/01/1995	18:28	0
ST288_100YRCHI	01/01/1995	18:29	0
ST288_100YRCHI	01/01/1995	18:30	0
ST288_100YRCHI	01/01/1995	18:31	0
ST288_100YRCHI	01/01/1995	18:32	0
ST288_100YRCHI	01/01/1995	18:33	0
ST288_100YRCHI	01/01/1995	18:34	0
ST288_100YRCHI	01/01/1995	18:35	0
ST288_100YRCHI	01/01/1995	18:36	0
ST288_100YRCHI	01/01/1995	18:37	0
ST288_100YRCHI	01/01/1995	18:38	0
ST288_100YRCHI	01/01/1995	18:39	0
ST288_100YRCHI	01/01/1995	18:40	0
ST288_100YRCHI	01/01/1995	18:41	0
ST288_100YRCHI	01/01/1995	18:42	0
ST288_100YRCHI	01/01/1995	18:43	0
ST288_100YRCHI	01/01/1995	18:44	0
ST288_100YRCHI	01/01/1995	18:45	0
ST288_100YRCHI	01/01/1995	18:46	0
ST288_100YRCHI	01/01/1995	18:47	0
ST288_100YRCHI	01/01/1995	18:48	0
ST288_100YRCHI	01/01/1995	18:49	0
ST288_100YRCHI	01/01/1995	18:50	0
ST288_100YRCHI	01/01/1995	18:51	0
ST288_100YRCHI	01/01/1995	18:52	0
ST288_100YRCHI	01/01/1995	18:53	0
ST288_100YRCHI	01/01/1995	18:54	0
ST288_100YRCHI	01/01/1995	18:55	0
ST288_100YRCHI	01/01/1995	18:56	0
ST288_100YRCHI	01/01/1995	18:57	0
ST288_100YRCHI	01/01/1995	18:58	0
ST288_100YRCHI	01/01/1995	18:59	0
ST288_100YRCHI	01/01/1995	19:00	0
ST288_100YRCHI	01/01/1995	19:01	0
ST288_100YRCHI	01/01/1995	19:02	0
ST288_100YRCHI	01/01/1995	19:03	0
ST288_100YRCHI	01/01/1995	19:04	0
ST288_100YRCHI	01/01/1995	19:05	0
ST288_100YRCHI	01/01/1995	19:06	0
ST288_100YRCHI	01/01/1995	19:07	0
ST288_100YRCHI	01/01/1995	19:08	0
ST288_100YRCHI	01/01/1995	19:09	0
ST288_100YRCHI	01/01/1995	19:10	0
ST288_100YRCHI	01/01/1995	19:11	0
ST288_100YRCHI	01/01/1995	19:12	0
ST288_100YRCHI	01/01/1995	19:13	0
ST288_100YRCHI	01/01/1995	19:14	0
ST288_100YRCHI	01/01/1995	19:15	0
ST288_100YRCHI	01/01/1995	19:16	0
ST288_100YRCHI	01/01/1995	19:17	0
ST288_100YRCHI	01/01/1995	19:18	0
ST288_100YRCHI	01/01/1995	19:19	0
ST288_100YRCHI	01/01/1995	19:20	0
ST288_100YRCHI	01/01/1995	19:21	0
ST288_100YRCHI	01/01/1995	19:22	0
ST288_100YRCHI	01/01/1995	19:23	0
ST288_100YRCHI	01/01/1995	19:24	0
ST288_100YRCHI	01/01/1995	19:25	0
ST288_100YRCHI	01/01/1995	19:26	0
ST288_100YRCHI	01/01/1995	19:27	0
ST288_100YRCHI	01/01/1995	19:28	0
ST288_100YRCHI	01/01/1995	19:29	0
ST288_100YRCHI	01/01/1995	19:30	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	19:31	0
ST288_100YRCHI	01/01/1995	19:32	0
ST288_100YRCHI	01/01/1995	19:33	0
ST288_100YRCHI	01/01/1995	19:34	0
ST288_100YRCHI	01/01/1995	19:35	0
ST288_100YRCHI	01/01/1995	19:36	0
ST288_100YRCHI	01/01/1995	19:37	0
ST288_100YRCHI	01/01/1995	19:38	0
ST288_100YRCHI	01/01/1995	19:39	0
ST288_100YRCHI	01/01/1995	19:40	0
ST288_100YRCHI	01/01/1995	19:41	0
ST288_100YRCHI	01/01/1995	19:42	0
ST288_100YRCHI	01/01/1995	19:43	0
ST288_100YRCHI	01/01/1995	19:44	0
ST288_100YRCHI	01/01/1995	19:45	0
ST288_100YRCHI	01/01/1995	19:46	0
ST288_100YRCHI	01/01/1995	19:47	0
ST288_100YRCHI	01/01/1995	19:48	0
ST288_100YRCHI	01/01/1995	19:49	0
ST288_100YRCHI	01/01/1995	19:50	0
ST288_100YRCHI	01/01/1995	19:51	0
ST288_100YRCHI	01/01/1995	19:52	0
ST288_100YRCHI	01/01/1995	19:53	0
ST288_100YRCHI	01/01/1995	19:54	0
ST288_100YRCHI	01/01/1995	19:55	0
ST288_100YRCHI	01/01/1995	19:56	0
ST288_100YRCHI	01/01/1995	19:57	0
ST288_100YRCHI	01/01/1995	19:58	0
ST288_100YRCHI	01/01/1995	19:59	0
ST288_100YRCHI	01/01/1995	20:00	0
ST288_100YRCHI	01/01/1995	20:01	0
ST288_100YRCHI	01/01/1995	20:02	0
ST288_100YRCHI	01/01/1995	20:03	0
ST288_100YRCHI	01/01/1995	20:04	0
ST288_100YRCHI	01/01/1995	20:05	0
ST288_100YRCHI	01/01/1995	20:06	0
ST288_100YRCHI	01/01/1995	20:07	0
ST288_100YRCHI	01/01/1995	20:08	0
ST288_100YRCHI	01/01/1995	20:09	0
ST288_100YRCHI	01/01/1995	20:10	0
ST288_100YRCHI	01/01/1995	20:11	0
ST288_100YRCHI	01/01/1995	20:12	0
ST288_100YRCHI	01/01/1995	20:13	0
ST288_100YRCHI	01/01/1995	20:14	0
ST288_100YRCHI	01/01/1995	20:15	0
ST288_100YRCHI	01/01/1995	20:16	0
ST288_100YRCHI	01/01/1995	20:17	0
ST288_100YRCHI	01/01/1995	20:18	0
ST288_100YRCHI	01/01/1995	20:19	0
ST288_100YRCHI	01/01/1995	20:20	0
ST288_100YRCHI	01/01/1995	20:21	0
ST288_100YRCHI	01/01/1995	20:22	0
ST288_100YRCHI	01/01/1995	20:23	0
ST288_100YRCHI	01/01/1995	20:24	0
ST288_100YRCHI	01/01/1995	20:25	0
ST288_100YRCHI	01/01/1995	20:26	0
ST288_100YRCHI	01/01/1995	20:27	0
ST288_100YRCHI	01/01/1995	20:28	0
ST288_100YRCHI	01/01/1995	20:29	0
ST288_100YRCHI	01/01/1995	20:30	0
ST288_100YRCHI	01/01/1995	20:31	0
ST288_100YRCHI	01/01/1995	20:32	0
ST288_100YRCHI	01/01/1995	20:33	0
ST288_100YRCHI	01/01/1995	20:34	0
ST288_100YRCHI	01/01/1995	20:35	0
ST288_100YRCHI	01/01/1995	20:36	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	20:37	0
ST288_100YRCHI	01/01/1995	20:38	0
ST288_100YRCHI	01/01/1995	20:39	0
ST288_100YRCHI	01/01/1995	20:40	0
ST288_100YRCHI	01/01/1995	20:41	0
ST288_100YRCHI	01/01/1995	20:42	0
ST288_100YRCHI	01/01/1995	20:43	0
ST288_100YRCHI	01/01/1995	20:44	0
ST288_100YRCHI	01/01/1995	20:45	0
ST288_100YRCHI	01/01/1995	20:46	0
ST288_100YRCHI	01/01/1995	20:47	0
ST288_100YRCHI	01/01/1995	20:48	0
ST288_100YRCHI	01/01/1995	20:49	0
ST288_100YRCHI	01/01/1995	20:50	0
ST288_100YRCHI	01/01/1995	20:51	0
ST288_100YRCHI	01/01/1995	20:52	0
ST288_100YRCHI	01/01/1995	20:53	0
ST288_100YRCHI	01/01/1995	20:54	0
ST288_100YRCHI	01/01/1995	20:55	0
ST288_100YRCHI	01/01/1995	20:56	0
ST288_100YRCHI	01/01/1995	20:57	0
ST288_100YRCHI	01/01/1995	20:58	0
ST288_100YRCHI	01/01/1995	20:59	0
ST288_100YRCHI	01/01/1995	21:00	0
ST288_100YRCHI	01/01/1995	21:01	0
ST288_100YRCHI	01/01/1995	21:02	0
ST288_100YRCHI	01/01/1995	21:03	0
ST288_100YRCHI	01/01/1995	21:04	0
ST288_100YRCHI	01/01/1995	21:05	0
ST288_100YRCHI	01/01/1995	21:06	0
ST288_100YRCHI	01/01/1995	21:07	0
ST288_100YRCHI	01/01/1995	21:08	0
ST288_100YRCHI	01/01/1995	21:09	0
ST288_100YRCHI	01/01/1995	21:10	0
ST288_100YRCHI	01/01/1995	21:11	0
ST288_100YRCHI	01/01/1995	21:12	0
ST288_100YRCHI	01/01/1995	21:13	0
ST288_100YRCHI	01/01/1995	21:14	0
ST288_100YRCHI	01/01/1995	21:15	0
ST288_100YRCHI	01/01/1995	21:16	0
ST288_100YRCHI	01/01/1995	21:17	0
ST288_100YRCHI	01/01/1995	21:18	0
ST288_100YRCHI	01/01/1995	21:19	0
ST288_100YRCHI	01/01/1995	21:20	0
ST288_100YRCHI	01/01/1995	21:21	0
ST288_100YRCHI	01/01/1995	21:22	0
ST288_100YRCHI	01/01/1995	21:23	0
ST288_100YRCHI	01/01/1995	21:24	0
ST288_100YRCHI	01/01/1995	21:25	0
ST288_100YRCHI	01/01/1995	21:26	0
ST288_100YRCHI	01/01/1995	21:27	0
ST288_100YRCHI	01/01/1995	21:28	0
ST288_100YRCHI	01/01/1995	21:29	0
ST288_100YRCHI	01/01/1995	21:30	0
ST288_100YRCHI	01/01/1995	21:31	0
ST288_100YRCHI	01/01/1995	21:32	0
ST288_100YRCHI	01/01/1995	21:33	0
ST288_100YRCHI	01/01/1995	21:34	0
ST288_100YRCHI	01/01/1995	21:35	0
ST288_100YRCHI	01/01/1995	21:36	0
ST288_100YRCHI	01/01/1995	21:37	0
ST288_100YRCHI	01/01/1995	21:38	0
ST288_100YRCHI	01/01/1995	21:39	0
ST288_100YRCHI	01/01/1995	21:40	0
ST288_100YRCHI	01/01/1995	21:41	0
ST288_100YRCHI	01/01/1995	21:42	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	21:43	0
ST288_100YRCHI	01/01/1995	21:44	0
ST288_100YRCHI	01/01/1995	21:45	0
ST288_100YRCHI	01/01/1995	21:46	0
ST288_100YRCHI	01/01/1995	21:47	0
ST288_100YRCHI	01/01/1995	21:48	0
ST288_100YRCHI	01/01/1995	21:49	0
ST288_100YRCHI	01/01/1995	21:50	0
ST288_100YRCHI	01/01/1995	21:51	0
ST288_100YRCHI	01/01/1995	21:52	0
ST288_100YRCHI	01/01/1995	21:53	0
ST288_100YRCHI	01/01/1995	21:54	0
ST288_100YRCHI	01/01/1995	21:55	0
ST288_100YRCHI	01/01/1995	21:56	0
ST288_100YRCHI	01/01/1995	21:57	0
ST288_100YRCHI	01/01/1995	21:58	0
ST288_100YRCHI	01/01/1995	21:59	0
ST288_100YRCHI	01/01/1995	22:00	0
ST288_100YRCHI	01/01/1995	22:01	0
ST288_100YRCHI	01/01/1995	22:02	0
ST288_100YRCHI	01/01/1995	22:03	0
ST288_100YRCHI	01/01/1995	22:04	0
ST288_100YRCHI	01/01/1995	22:05	0
ST288_100YRCHI	01/01/1995	22:06	0
ST288_100YRCHI	01/01/1995	22:07	0
ST288_100YRCHI	01/01/1995	22:08	0
ST288_100YRCHI	01/01/1995	22:09	0
ST288_100YRCHI	01/01/1995	22:10	0
ST288_100YRCHI	01/01/1995	22:11	0
ST288_100YRCHI	01/01/1995	22:12	0
ST288_100YRCHI	01/01/1995	22:13	0
ST288_100YRCHI	01/01/1995	22:14	0
ST288_100YRCHI	01/01/1995	22:15	0
ST288_100YRCHI	01/01/1995	22:16	0
ST288_100YRCHI	01/01/1995	22:17	0
ST288_100YRCHI	01/01/1995	22:18	0
ST288_100YRCHI	01/01/1995	22:19	0
ST288_100YRCHI	01/01/1995	22:20	0
ST288_100YRCHI	01/01/1995	22:21	0
ST288_100YRCHI	01/01/1995	22:22	0
ST288_100YRCHI	01/01/1995	22:23	0
ST288_100YRCHI	01/01/1995	22:24	0
ST288_100YRCHI	01/01/1995	22:25	0
ST288_100YRCHI	01/01/1995	22:26	0
ST288_100YRCHI	01/01/1995	22:27	0
ST288_100YRCHI	01/01/1995	22:28	0
ST288_100YRCHI	01/01/1995	22:29	0
ST288_100YRCHI	01/01/1995	22:30	0
ST288_100YRCHI	01/01/1995	22:31	0
ST288_100YRCHI	01/01/1995	22:32	0
ST288_100YRCHI	01/01/1995	22:33	0
ST288_100YRCHI	01/01/1995	22:34	0
ST288_100YRCHI	01/01/1995	22:35	0
ST288_100YRCHI	01/01/1995	22:36	0
ST288_100YRCHI	01/01/1995	22:37	0
ST288_100YRCHI	01/01/1995	22:38	0
ST288_100YRCHI	01/01/1995	22:39	0
ST288_100YRCHI	01/01/1995	22:40	0
ST288_100YRCHI	01/01/1995	22:41	0
ST288_100YRCHI	01/01/1995	22:42	0
ST288_100YRCHI	01/01/1995	22:43	0
ST288_100YRCHI	01/01/1995	22:44	0
ST288_100YRCHI	01/01/1995	22:45	0
ST288_100YRCHI	01/01/1995	22:46	0
ST288_100YRCHI	01/01/1995	22:47	0
ST288_100YRCHI	01/01/1995	22:48	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	22:49	0
ST288_100YRCHI	01/01/1995	22:50	0
ST288_100YRCHI	01/01/1995	22:51	0
ST288_100YRCHI	01/01/1995	22:52	0
ST288_100YRCHI	01/01/1995	22:53	0
ST288_100YRCHI	01/01/1995	22:54	0
ST288_100YRCHI	01/01/1995	22:55	0
ST288_100YRCHI	01/01/1995	22:56	0
ST288_100YRCHI	01/01/1995	22:57	0
ST288_100YRCHI	01/01/1995	22:58	0
ST288_100YRCHI	01/01/1995	22:59	0
ST288_100YRCHI	01/01/1995	23:00	0
ST288_100YRCHI	01/01/1995	23:01	0
ST288_100YRCHI	01/01/1995	23:02	0
ST288_100YRCHI	01/01/1995	23:03	0
ST288_100YRCHI	01/01/1995	23:04	0
ST288_100YRCHI	01/01/1995	23:05	0
ST288_100YRCHI	01/01/1995	23:06	0
ST288_100YRCHI	01/01/1995	23:07	0
ST288_100YRCHI	01/01/1995	23:08	0
ST288_100YRCHI	01/01/1995	23:09	0
ST288_100YRCHI	01/01/1995	23:10	0
ST288_100YRCHI	01/01/1995	23:11	0
ST288_100YRCHI	01/01/1995	23:12	0
ST288_100YRCHI	01/01/1995	23:13	0
ST288_100YRCHI	01/01/1995	23:14	0
ST288_100YRCHI	01/01/1995	23:15	0
ST288_100YRCHI	01/01/1995	23:16	0
ST288_100YRCHI	01/01/1995	23:17	0
ST288_100YRCHI	01/01/1995	23:18	0
ST288_100YRCHI	01/01/1995	23:19	0
ST288_100YRCHI	01/01/1995	23:20	0
ST288_100YRCHI	01/01/1995	23:21	0
ST288_100YRCHI	01/01/1995	23:22	0
ST288_100YRCHI	01/01/1995	23:23	0
ST288_100YRCHI	01/01/1995	23:24	0
ST288_100YRCHI	01/01/1995	23:25	0
ST288_100YRCHI	01/01/1995	23:26	0
ST288_100YRCHI	01/01/1995	23:27	0
ST288_100YRCHI	01/01/1995	23:28	0
ST288_100YRCHI	01/01/1995	23:29	0
ST288_100YRCHI	01/01/1995	23:30	0
ST288_100YRCHI	01/01/1995	23:31	0
ST288_100YRCHI	01/01/1995	23:32	0
ST288_100YRCHI	01/01/1995	23:33	0
ST288_100YRCHI	01/01/1995	23:34	0
ST288_100YRCHI	01/01/1995	23:35	0
ST288_100YRCHI	01/01/1995	23:36	0
ST288_100YRCHI	01/01/1995	23:37	0
ST288_100YRCHI	01/01/1995	23:38	0
ST288_100YRCHI	01/01/1995	23:39	0
ST288_100YRCHI	01/01/1995	23:40	0
ST288_100YRCHI	01/01/1995	23:41	0
ST288_100YRCHI	01/01/1995	23:42	0
ST288_100YRCHI	01/01/1995	23:43	0
ST288_100YRCHI	01/01/1995	23:44	0
ST288_100YRCHI	01/01/1995	23:45	0
ST288_100YRCHI	01/01/1995	23:46	0
ST288_100YRCHI	01/01/1995	23:47	0
ST288_100YRCHI	01/01/1995	23:48	0
ST288_100YRCHI	01/01/1995	23:49	0
ST288_100YRCHI	01/01/1995	23:50	0
ST288_100YRCHI	01/01/1995	23:51	0
ST288_100YRCHI	01/01/1995	23:52	0
ST288_100YRCHI	01/01/1995	23:53	0
ST288_100YRCHI	01/01/1995	23:54	0

post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/01/1995	23:55	0
ST288_100YRCHI	01/01/1995	23:56	0
ST288_100YRCHI	01/01/1995	23:57	0
ST288_100YRCHI	01/01/1995	23:58	0
ST288_100YRCHI	01/01/1995	23:59	0
ST288_100YRCHI	01/02/1995	0:00	0
ST288_100YRCHI	01/02/1995	0:01	0
ST288_100YRCHI	01/02/1995	0:02	0
ST288_100YRCHI	01/02/1995	0:03	0
ST288_100YRCHI	01/02/1995	0:04	0
ST288_100YRCHI	01/02/1995	0:05	0
ST288_100YRCHI	01/02/1995	0:06	0
ST288_100YRCHI	01/02/1995	0:07	0
ST288_100YRCHI	01/02/1995	0:08	0
ST288_100YRCHI	01/02/1995	0:09	0
ST288_100YRCHI	01/02/1995	0:10	0
ST288_100YRCHI	01/02/1995	0:11	0
ST288_100YRCHI	01/02/1995	0:12	0
ST288_100YRCHI	01/02/1995	0:13	0
ST288_100YRCHI	01/02/1995	0:14	0
ST288_100YRCHI	01/02/1995	0:15	0
ST288_100YRCHI	01/02/1995	0:16	0
ST288_100YRCHI	01/02/1995	0:17	0
ST288_100YRCHI	01/02/1995	0:18	0
ST288_100YRCHI	01/02/1995	0:19	0
ST288_100YRCHI	01/02/1995	0:20	0
ST288_100YRCHI	01/02/1995	0:21	0
ST288_100YRCHI	01/02/1995	0:22	0
ST288_100YRCHI	01/02/1995	0:23	0
ST288_100YRCHI	01/02/1995	0:24	0
ST288_100YRCHI	01/02/1995	0:25	0
ST288_100YRCHI	01/02/1995	0:26	0
ST288_100YRCHI	01/02/1995	0:27	0
ST288_100YRCHI	01/02/1995	0:28	0
ST288_100YRCHI	01/02/1995	0:29	0
ST288_100YRCHI	01/02/1995	0:30	0
ST288_100YRCHI	01/02/1995	0:31	0
ST288_100YRCHI	01/02/1995	0:32	0
ST288_100YRCHI	01/02/1995	0:33	0
ST288_100YRCHI	01/02/1995	0:34	0
ST288_100YRCHI	01/02/1995	0:35	0
ST288_100YRCHI	01/02/1995	0:36	0
ST288_100YRCHI	01/02/1995	0:37	0
ST288_100YRCHI	01/02/1995	0:38	0
ST288_100YRCHI	01/02/1995	0:39	0
ST288_100YRCHI	01/02/1995	0:40	0
ST288_100YRCHI	01/02/1995	0:41	0
ST288_100YRCHI	01/02/1995	0:42	0
ST288_100YRCHI	01/02/1995	0:43	0
ST288_100YRCHI	01/02/1995	0:44	0
ST288_100YRCHI	01/02/1995	0:45	0
ST288_100YRCHI	01/02/1995	0:46	0
ST288_100YRCHI	01/02/1995	0:47	0
ST288_100YRCHI	01/02/1995	0:48	0
ST288_100YRCHI	01/02/1995	0:49	0
ST288_100YRCHI	01/02/1995	0:50	0
ST288_100YRCHI	01/02/1995	0:51	0
ST288_100YRCHI	01/02/1995	0:52	0
ST288_100YRCHI	01/02/1995	0:53	0
ST288_100YRCHI	01/02/1995	0:54	0
ST288_100YRCHI	01/02/1995	0:55	0
ST288_100YRCHI	01/02/1995	0:56	0
ST288_100YRCHI	01/02/1995	0:57	0
ST288_100YRCHI	01/02/1995	0:58	0
ST288_100YRCHI	01/02/1995	0:59	0
ST288_100YRCHI	01/02/1995	1:00	0



post\_pond2\_2017-06-09\_100chi.inp

ST288_100YRCHI	01/02/1995	1:01	0
ST288_100YRCHI	01/02/1995	1:02	0
ST288_100YRCHI	01/02/1995	1:03	0
ST288_100YRCHI	01/02/1995	1:04	0
ST288_100YRCHI	01/02/1995	1:05	0
ST288_100YRCHI	01/02/1995	1:06	0
ST288_100YRCHI	01/02/1995	1:07	0
ST288_100YRCHI	01/02/1995	1:08	0
ST288_100YRCHI	01/02/1995	1:09	0
ST288_100YRCHI	01/02/1995	1:10	0
ST288_100YRCHI	01/02/1995	1:11	0
ST288_100YRCHI	01/02/1995	1:12	0
ST288_100YRCHI	01/02/1995	1:13	0
ST288_100YRCHI	01/02/1995	1:14	0
ST288_100YRCHI	01/02/1995	1:15	0
ST288_100YRCHI	01/02/1995	1:16	0
ST288_100YRCHI	01/02/1995	1:17	0
ST288_100YRCHI	01/02/1995	1:18	0
ST288_100YRCHI	01/02/1995	1:19	0
ST288_100YRCHI	01/02/1995	1:20	0
ST288_100YRCHI	01/02/1995	1:21	0
ST288_100YRCHI	01/02/1995	1:22	0
ST288_100YRCHI	01/02/1995	1:23	0
ST288_100YRCHI	01/02/1995	1:24	0
ST288_100YRCHI	01/02/1995	1:25	0
ST288_100YRCHI	01/02/1995	1:26	0
ST288_100YRCHI	01/02/1995	1:27	0
ST288_100YRCHI	01/02/1995	1:28	0
ST288_100YRCHI	01/02/1995	1:29	0
ST288_100YRCHI	01/02/1995	1:30	0
ST288_100YRCHI	01/02/1995	1:31	0
ST288_100YRCHI	01/02/1995	1:32	0
ST288_100YRCHI	01/02/1995	1:33	0
ST288_100YRCHI	01/02/1995	1:34	0
ST288_100YRCHI	01/02/1995	1:35	0
ST288_100YRCHI	01/02/1995	1:36	0
ST288_100YRCHI	01/02/1995	1:37	0
ST288_100YRCHI	01/02/1995	1:38	0
ST288_100YRCHI	01/02/1995	1:39	0
ST288_100YRCHI	01/02/1995	1:40	0
ST288_100YRCHI	01/02/1995	1:41	0
ST288_100YRCHI	01/02/1995	1:42	0
ST288_100YRCHI	01/02/1995	1:43	0
ST288_100YRCHI	01/02/1995	1:44	0
ST288_100YRCHI	01/02/1995	1:45	0
ST288_100YRCHI	01/02/1995	1:46	0
ST288_100YRCHI	01/02/1995	1:47	0
ST288_100YRCHI	01/02/1995	1:48	0
ST288_100YRCHI	01/02/1995	1:49	0
ST288_100YRCHI	01/02/1995	1:50	0
ST288_100YRCHI	01/02/1995	1:51	0
ST288_100YRCHI	01/02/1995	1:52	0
ST288_100YRCHI	01/02/1995	1:53	0
ST288_100YRCHI	01/02/1995	1:54	0
ST288_100YRCHI	01/02/1995	1:55	0
ST288_100YRCHI	01/02/1995	1:56	0
ST288_100YRCHI	01/02/1995	1:57	0
ST288_100YRCHI	01/02/1995	1:58	0
ST288_100YRCHI	01/02/1995	1:59	0
ST288_100YRCHI	01/02/1995	2:00	0

INPUT YES  
CONTROLS YES  
SUBCATCHMENTS ALL  
NODES ALL

LINKS ALL

[TAGS]

Node	101-S	Major_System
Node	103-S	Major_System
Node	117-S	Major_System
Node	120-S	Major_System
Node	C108A-S	Major_System
Node	C111A-S	Major_System
Node	C119A-S	Major_System
Node	L102A-S	Major_System
Node	L104A-S	Major_System
Node	L112A-S	Major_System
Link	1	Major_System
Link	10	Major_System
Link	11	Major_System
Link	12	Major_System
Link	13	Major_System
Link	14	Major_System
Link	15	Major_System
Link	16	Major_System
Link	17	Major_System
Link	18	Major_System
Link	19	Major_System
Link	2	Major_System
Link	20	Major_System
Link	21	Major_System
Link	22	Major_System
Link	23	Major_System
Link	5	Major_System
Link	6	Major_System
Link	7	Major_System
Link	8	Major_System
Link	9	Major_System
Link	C1	Major_System
Link	Link236	CHANNEL
Link	P168	CHANNEL
Link	P172	CHANNEL
Link	P173	CHANNEL
Link	P174	CHANNEL
Link	PArea1	CHANNEL
Link	PArea2	CHANNEL
Link	Pipe_12-S	Major_System
Link	Pipe_16-S	Major_System
Link	Pipe_19-S	Major_System
Link	Pipe_1-S	Major_System
Link	Pipe_4-S	Major_System
Link	Pipe_5-S	Major_System
Link	Pipe_6-S	Major_System
Link	Pipe_7-S	Major_System
Link	Pipe_8-S	Major_System
Link	Pipe_9-S	Major_System
Link	ST213	PH1_OUTLET
Link	ST232	PH1_OUTLET
Link	ST288	PH1_OUTLET

[MAP]

DIMENSIONS	368503.4496	5008093.23695	369647.9204
5009429.45205			
UNITS	Meters		

[

[TITLE]

[OPTIONS]

```

;;;Options
-----
FLOW_UNITS           CMS
INFILTRATION        HORTON
FLOW_ROUTING         DYNWAVE
START_DATE           01/01/1995
START_TIME           01:00:00
REPORT_START_DATE    01/01/1995
REPORT_START_TIME    01:00:00
END_DATE             01/02/1995
END_TIME             02:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             5
REPORT_STEP          00:01:00
WET_STEP             00:01:00
DRY_STEP             00:01:00
ROUTING_STEP         5
ALLOW_PONDING        NO
INERTIAL_DAMPING     PARTIAL
VARIABLE_STEP        0.75
LENGTHENING_STEP    0
MIN_SURFAREA        0
NORMAL_FLOW_LIMITED SLOPE
SKIP_STEADY_STATE    NO
FORCE_MAIN_EQUATION  H-W
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              2
    
```

[EVAPORATION]

```

;;;Type      Parameters
-----
MONTHLY      0.0    0.0    0.0    0.0    0.0    0.0    0.0    0.0    0.0
0.0    0.0    0.0
DRY_ONLY     NO
    
```

[RAINGAGES]

```

;;;
;;;Name      Rain      Time      Snow      Data
;;;          Type      Intrvl   Catch     Source
-----
RG1          INTENSITY 0:10:00 1         TIMESERIES 100 YR Chicago 3 hr
    
```

[SUBCATCHMENTS]

```

;;;
;;;          Total   Pcnt.
Pcnt.      Curb      Snow
;;;Name     Length   Raingage      Outlet   Area   Imperv   width
Slope
-----
C203A      0          RG1           C203A-S   0.6    57.14   115
1
C204A      0          RG1           C204A-S   1.82   57.14   556
1
L202A      0          RG1           L202A-S   3.34   57.14   1480
2
L203A      0          RG1           L203A-S   3.38   50      1468
    
```

post\_pond3\_100yrCHI\_2017-06-09.inp

2	0					
L204B		RG1	L204B-S	6.61	57.14	1487
2	0					
L205A		RG1	L205A-S	1.58	50	436
1	0					
L206A		RG1	L206A-S	3.2	50	1542
2	0					
POND3		RG1	200-S	1.26	71.43	284
5	0					

[SUBAREAS]

;;Subcatchment	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	
RouteTo	PctRouted					
C203A	0.013	0.25	1.57	4.67	0	OUTLET
C204A	0.013	0.25	1.57	4.67	0	OUTLET
L202A	0.013	0.25	1.57	4.67	0	
PERVIOUS	30					
L203A	0.013	0.25	1.57	4.67	0	
PERVIOUS	30					
L204B	0.013	0.25	1.57	4.67	0	
PERVIOUS	30					
L205A	0.013	0.25	1.57	4.67	0	OUTLET
L206A	0.013	0.25	1.57	4.67	0	
PERVIOUS	30					
POND3	0.013	0.25	1.57	4.67	0	
PERVIOUS	100					

[INFILTRATION]

;;Subcatchment	MaxRate	MinRate	Decay	DryTime	MaxInfil
C203A	76.2	13.2	4.14	7	0
C204A	76.2	13.2	4.14	7	0
L202A	76.2	13.2	4.14	7	0
L203A	76.2	13.2	4.14	7	0
L204B	76.2	13.2	4.14	7	0
L205A	76.2	13.2	4.14	7	0
L206A	76.2	13.2	4.14	7	0
POND3	76.2	13.2	4.14	7	0

[JUNCTIONS]

;;Name	Invert Elev.	Max. Depth	Init. Depth	Surcharge Depth	Ponded Area
201	85.321	4.707	0	1.1	0
202	85.607	5.082	0	1.1	0
203	85.773	4.595	0	1.1	0
204	86.063	4.166	0	1.1	0
204B	87.3	3.15	0	0	0
205	87	3	0	0	0
206	86.323	3.816	0	0	0
35	86.5	3.7	0	0	0
36	86.7	3.44	0	0	0
37	87	3.05	0	0	0
39	86.7	3.38	0	0	0

[OUTFALLS]

;;Name	Invert Elev.	Outfall Type	Stage/Table Time Series	Tide Gate	Route To
;;					

```
[STORAGE]
;;
;; Poned      Evap.   Invert   Max.     Init.    Storage   Curve
;;Name      Area      Evap.   Elev.    Depth   Depth     Curve     Params
;;         Area      Frac.   Infiltration parameters
;;-----
```

Name	Area	Evap. Frac.	Invert Elev.	Max. Depth Infiltration	Init. Depth parameters	Storage Curve	Curve Params
200-s	0	0	84.46	4.855	2	TABULAR	SWM POND3_Storage_Curve
204-s	0	0	90.23	0.35	0	FUNCTIONAL	0 0 0
205-s	0	0	90.13	0.35	0	FUNCTIONAL	0 0 0
Area 6	0	0	88.69	0.87	0	FUNCTIONAL	0 0 0
Area 7	0	0	88.9	0.87	0	FUNCTIONAL	0 0 0
Area 9	0	0	88.26	2.34	0	FUNCTIONAL	0 0 0
C203A-S	0	0	88.97	2.15	0	FUNCTIONAL	0 0 0
C204A-S	0	0	88.65	2.15	0	FUNCTIONAL	0 0 0
Drain1	0	0	86.04	2.34	0	FUNCTIONAL	0 0 0
Drain2	0	0	86.03	2.49	0	FUNCTIONAL	0 0 0
Drain3	0	0	86.72	2	0	FUNCTIONAL	0 0 0
Drain4	0	0	88.66	1.1	0	FUNCTIONAL	0 0 0
L201A-S	0	0	90	0.35	0	FUNCTIONAL	0 0 0
L202A-S	0	0	89.62	2.15	0	FUNCTIONAL	0 0 0
L203A-S	0	0	88.82	2.15	0	FUNCTIONAL	0 0 0
L204B-S	0	0	88.85	2.5	0	FUNCTIONAL	0 0 0
L205A-S	0	0	88.2	2.15	0	FUNCTIONAL	0 0 0
L206A-S	0	0	88.34	2.15	0	FUNCTIONAL	0 0 0

```
[CONDUITS]
;;
;; Outlet      Inlet      Max.      Outlet      Manning      Inlet
;;Name      Offset      Offset      Flow      Node Flow      Length      N
;;-----
```

ID	Outlet Name	Outlet Offset	Inlet Node	Inlet Offset	Max. Flow	Outlet Node	Outlet Flow	Length	Manning N	Inlet Node
1	204-s	90.13	204-s	0	0	205-s	0	20	0.013	90.23
2	L204B-S	89.2	L204B-S	0	0	Drain1	0	100	0.013	91
201-200	201	85.621	201	85.6	0	200-s	0	21.379	0.013	
202-201	202	85.907	202	85.771	0	201	0	135.986	0.013	
203-202	203	86.073	203	85.967	0	202	0	105.789	0.013	
204-203	204	86.363	204	86.223	0	203	0	139.746	0.013	

post\_pond3\_100yrCHI\_2017-06-09.inp

205-37	205	37	35.864	0.013	
87.042	87.006	0	0		
206-201	206	201	70.463	0.013	
86.623	86.446	0	0		
3	L203A-S	204-S	78	0.013	90.62
90.23	0	0			
35-204	35	204	42.365	0.013	
86.855	86.813	0	0		
36-35	36	35	52.629	0.013	
86.908	86.855	0	0		
37-39	37	39	48.724	0.013	
87.006	86.957	0	0		
39-36	39	36	48.992	0.013	
86.957	86.908	0	0		
4	C203A-S	Drain3	20	0.025	90.82
89.4	0	0			
5	204B	204	677.7	0.013	87.39
86.51	0	0			
C1	L206A-S	L201A-S	28	0.013	90.14
90	0	0			
C2	205-S	L205A-S	26	0.013	90.13
90	0	0			
C3	L205A-S	Drain2	5	0.025	90
89.3	0	0			
Flow 4	Drain4	Drain3	570	0.03	88.66
86.72	0	0			
Flow 5	Area 7	Drain4	388	0.03	88.9
88.66	0	0			
Flow 6	Area 6	Drain4	300	0.03	88.69
88.66	0	0			
Flow 9	Area 9	Drain1	950	0.03	88.26
86.04	0	0			
Flow B	Drain2	Outlet B	20	0.03	86.03
85.99	0	0			
Flow B1	Drain3	Drain2	20	0.04	86.72
86.52	0	0			
Flow B2	Drain1	Drain2	20	0.03	86.04
86.03	0	0			
Pipe_21-S	L201A-S	200-S	20	0.025	90
88.8	0	0			
Pipe_22	202	201	186.9246	0.013	
89.491	87.061	0	0		
Pipe_22-S	L202A-S	L201A-S	332	0.013	91.42
90	0	0			
Pipe_24	204	203	139.7462	0.013	
86.916	86.777	0	0		
Pipe_24-S	C204A-S	204-S	44	0.013	90.45
90.23	0	0			

[ORIFICES]

Disch. ;;Name Coeff.	Flap Gate	Inlet Open/Close Node Time	Outlet Node	Orifice Type	Crest Height
Orifice-1 0.65	NO	200-S 0	Drain2	SIDE	86.46

[WEIRS]

Disch. ;;Name Coeff.	Flap Gate	Inlet End Node Con.	End Coeff.	Outlet Node Surcharge	Weir Type RoadWidth	Crest Height RoadSurf
----------------------------	--------------	------------------------------	---------------	-----------------------------	---------------------------	-----------------------------

Weir-P3 NO 0 200-S 0 Drain2 YES TRANSVERSE 87.08 1.7

[OUTLETS]

;; Qcoeff/ ;;Name QTable ;;	Inlet Node Qexpon	Flap Gate	Outlet Node	Outflow Height	Outlet Type
C203A-IC	C203A-S		203	88.97	TABULAR/HEAD
C203A-IC		NO			
C204A-IC	C204A-S		204	88.65	TABULAR/HEAD
C204A-IC		NO			
L202A-IC	L202A-S		202	89.62	TABULAR/DEPTH
L202A-IC		NO			
L203A-IC	L203A-S		203	88.82	TABULAR/DEPTH
L203A-IC		NO			
L204B-IC	L204B-S		204B	88.85	TABULAR/DEPTH
L204B-IC		NO			
L205A-IC	L205A-S		205	88.2	TABULAR/HEAD
L205A-IC		NO			
L206A-IC	L206A-S		206	88.34	TABULAR/HEAD
L206A-IC		NO			

[XSECTIONS]

;;Link Barrels ;;	Shape	Geom1	Geom2	Geom3	Geom4
1	IRREGULAR	18mROW	0	0	0
1					
2	IRREGULAR	18mROW	0	0	0
1					
201-200	CIRCULAR	1.5	0	0	0
1					
202-201	CIRCULAR	1.35	0	0	0
1					
203-202	CIRCULAR	1.35	0	0	0
1					
204-203	CIRCULAR	1.2	0	0	0
1					
205-37	CIRCULAR	0.75	0	0	0
1					
206-201	CIRCULAR	0.675	0	0	0
1					
3	IRREGULAR	18mROW	0	0	0
1					
35-204	CIRCULAR	0.75	0	0	0
1					
36-35	CIRCULAR	0.75	0	0	0
1					
37-39	CIRCULAR	0.75	0	0	0
1					
39-36	CIRCULAR	0.75	0	0	0
1					
4	TRAPEZOIDAL	0.3	5	5	5
1					
5	CIRCULAR	1.05	1	1	1
1					
C1	IRREGULAR	18mROW	0	0	0
1					
C2	IRREGULAR	18mROW	0	0	0
1					
C3	TRAPEZOIDAL	0.6	3	5	5
1					

post\_pond3\_100yrCHI\_2017-06-09.inp

Flow 4 1	IRREGULAR	1153	0	0	0
Flow 5 1	IRREGULAR	1706	0	0	0
Flow 6 1	IRREGULAR	1706	0	0	0
Flow 9 1	IRREGULAR	2406	0	0	0
Flow B 1	TRAPEZOIDAL	3	4	8	8
Flow B1 1	TRAPEZOIDAL	2	3	8	8
Flow B2 1	TRAPEZOIDAL	2	3	8	8
Pipe_21-S 1	TRAPEZOIDAL	0.6	3	5	5
Pipe_22 1	CIRCULAR	0.75	1	1	1
Pipe_22-S 1	IRREGULAR	18mROW	0	0	0
Pipe_24 1	CIRCULAR	1.2	1	1	1
Pipe_24-S 1	IRREGULAR	26mROW	0	0	0
Orifice-1	CIRCULAR	0.13	0	0	0
Weir-P3	RECT_OPEN	2.1	3	0	0

[TRANSECTS]

NC 0.060	0.060	0.030						
X1 1153		5	6.300	13.400	0.0	0.0	0.0	
0.00	0.0							
GR 88.85	0	88.49	6.3	87.78	9.3	88.57	13.4	
88.88	22.4							
NC 0.025	0.025	0.013						
X1 16.5mROW		8	10	20.3	0.0	0.0	0.0	
0.0	0.0							
GR 0.35	0	0.15	10	0	10	0.13	14.25	0
18.5								
GR 0.15	18.5	0.19	20.3	0.35	28.3			
NC 0.060	0.060	0.030						
X1 1706		6	7.000	12.100	0.0	0.0	0.0	
0.00	0.0							
GR 89.38	0	89.08	7	88.51	9	88.51	9.8	
88.96	12.1							
GR 89.38	32							
NC 0.025	0.025	0.013						
X1 18mROW		8	10	20.3	0.0	0.0	0.0	
0.0	0.0							
GR 0.35	0	0.15	10	0	10	0.13	14.25	0
18.5								
GR 0.15	18.5	0.19	20.3	0.35	28.3			
NC 0.060	0.060	0.045						
X1 2		5	10.000	18.000	0.0	0.0	0.0	
0.00	0.0							
GR 86.85	0	86.72	10	86.34	14	87.07	18	
87.21	28							
NC 0.060	0.060	0.030						
X1 2406		7	14.900	25.500	0.0	0.0	0.0	
0.00	0.0							



GR 88.61	0	88.16	14.9	86.93	17.55	86.71	19
86.98	21.8						
GR 88.34	25.5	89.05	31.8				
NC 0.025	0.025	0.013					
X1 26mROW		9	8	23	0.0	0.0	0.0
0.0	0.0						
GR 0.35	0	0.19	8	0.15	10	0	10
0.165	15.5						
GR 0	21	0.15	21	0.19	23	0.35	31

[LOSSES]

;;Link	Inlet	Outlet	Average	Flap Gate	SeepageRate
--------	-------	--------	---------	-----------	-------------

[INFLOWS]

;;Baseline Node Value	Baseline Pattern	Parameter	Time Series	Param Type	Units Factor	Scale Factor
Area 6 0		FLOW	AREA6_100YR_3HRCHI	FLOW	1.0	1
Area 7 0		FLOW	AREA7_100YR_3HRCHI	FLOW	1.0	1
Area 9 0		FLOW	AREA9_100YR_3HRCHI	FLOW	1.0	1
Drain1 0		FLOW	Drain1_100yr_CHI	FLOW	1.0	1
Drain3 0		FLOW	Drain3_100yr_CHI	FLOW	1.0	1
Drain4 0		FLOW	Drain4_100yr_CHI	FLOW	1.0	1

[CURVES]

;;Name	Type	X-Value	Y-Value
C203A-IC	Rating	0	0
C203A-IC		1.8	0.11
C203A-IC		2.15	0.112
C204A-IC	Rating	0	0
C204A-IC		1.8	0.34
C204A-IC		2.15	0.342
L201A-IC	Rating	0	0
L201A-IC		3.499	0.15
L201A-IC		3.849	0.16
L202A-IC	Rating	0	0
L202A-IC		1.8	0.4
L202A-IC		2.15	0.402
L203A-IC	Rating	0	0
L203A-IC		1.8	0.34
L203A-IC		2.15	0.342
L204A-IC	Rating	0	0
L204A-IC		2.75	0.14
L204A-IC		3.1	0.15
L204B-IC	Rating	0	0
L204B-IC		1.8	0.69
L204B-IC		2.15	0.692
L204B-IC		2.5	0.692

post\_pond3\_100yrCHI\_2017-06-09.inp

L205A-IC	Rating	0	0
L205A-IC		1.8	0.170
L205A-IC		2.15	0.172
L206A-IC	Rating	0	0
L206A-IC		1.8	0.330
L206A-IC		2.15	0.332
L201A-S	Storage	0	0
L201A-S		3.499	2000
L201A-S		3.849	2000
L204B	Storage	0	0
L204B		1.8	0
L204B		2.15	1000
L204B		2.5	1000
SWM POND3_Storage_Curve	Storage	0	1506
SWM POND3_Storage_Curve		2	2613
SWM POND3_Storage_Curve		3.04	3802
SWM POND3_Storage_Curve		5.14	6849
Outlet B_100YR_Tidal_Curve	Tidal	0	86.42
Outlet B_100YR_Tidal_Curve		13.5	87.30
Outlet B_100YR_Tidal_Curve		15	86.42
Outlet B_100YR_Tidal_Curve		20	86.42

[TIMESERIES]

;;Name	Date	Time	value
100 YR Chicago 3 hr		0	0
100 YR Chicago 3 hr		0:10:00	6.05
100 YR Chicago 3 hr		0:20:00	7.54
100 YR Chicago 3 hr		0:30:00	10.17
100 YR Chicago 3 hr		0:40:00	15.98
100 YR Chicago 3 hr		0:50:00	40.76
100 YR Chicago 3 hr		1:00:00	178.56
100 YR Chicago 3 hr		1:10:00	54.04
100 YR Chicago 3 hr		1:20:00	27.31
100 YR Chicago 3 hr		1:30:00	18.23
100 YR Chicago 3 hr		1:40:00	13.73
100 YR Chicago 3 hr		1:50:00	11.05
100 YR Chicago 3 hr		2:00:00	9.28
100 YR Chicago 3 hr		2:10:00	8.02
100 YR Chicago 3 hr		2:20:00	7.08
100 YR Chicago 3 hr		2:30:00	6.34
100 YR Chicago 3 hr		2:40:00	5.76
100 YR Chicago 3 hr		2:50:00	5.28
100 YR Chicago 3 hr		3:00:00	4.88
AREA6_100YR_3HRCHI		0:01:00	0
AREA6_100YR_3HRCHI		0:02:00	0
AREA6_100YR_3HRCHI		0:03:00	0
AREA6_100YR_3HRCHI		0:04:00	0
AREA6_100YR_3HRCHI		0:05:00	0
AREA6_100YR_3HRCHI		0:06:00	0
AREA6_100YR_3HRCHI		0:07:00	0
AREA6_100YR_3HRCHI		0:08:00	0
AREA6_100YR_3HRCHI		0:09:00	0
AREA6_100YR_3HRCHI		0:10:00	0
AREA6_100YR_3HRCHI		0:11:00	0
AREA6_100YR_3HRCHI		0:12:00	0
AREA6_100YR_3HRCHI		0:13:00	0
AREA6_100YR_3HRCHI		0:14:00	0

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA6_100YR_3HRCHI	0:15:00	0
AREA6_100YR_3HRCHI	0:16:00	0
AREA6_100YR_3HRCHI	0:17:00	0
AREA6_100YR_3HRCHI	0:18:00	0
AREA6_100YR_3HRCHI	0:19:00	0
AREA6_100YR_3HRCHI	0:20:00	0
AREA6_100YR_3HRCHI	0:21:00	0
AREA6_100YR_3HRCHI	0:22:00	0
AREA6_100YR_3HRCHI	0:23:00	0
AREA6_100YR_3HRCHI	0:24:00	0
AREA6_100YR_3HRCHI	0:25:00	0
AREA6_100YR_3HRCHI	0:26:00	0
AREA6_100YR_3HRCHI	0:27:00	0.000002
AREA6_100YR_3HRCHI	0:28:00	0.000005
AREA6_100YR_3HRCHI	0:29:00	0.000013
AREA6_100YR_3HRCHI	0:30:00	0.000025
AREA6_100YR_3HRCHI	0:31:00	0.000043
AREA6_100YR_3HRCHI	0:32:00	0.000068
AREA6_100YR_3HRCHI	0:33:00	0.000104
AREA6_100YR_3HRCHI	0:34:00	0.000151
AREA6_100YR_3HRCHI	0:35:00	0.000211
AREA6_100YR_3HRCHI	0:36:00	0.000284
AREA6_100YR_3HRCHI	0:37:00	0.00037
AREA6_100YR_3HRCHI	0:38:00	0.000469
AREA6_100YR_3HRCHI	0:39:00	0.00058
AREA6_100YR_3HRCHI	0:40:00	0.000703
AREA6_100YR_3HRCHI	0:41:00	0.000837
AREA6_100YR_3HRCHI	0:42:00	0.000989
AREA6_100YR_3HRCHI	0:43:00	0.001168
AREA6_100YR_3HRCHI	0:44:00	0.001379
AREA6_100YR_3HRCHI	0:45:00	0.001624
AREA6_100YR_3HRCHI	0:46:00	0.001902
AREA6_100YR_3HRCHI	0:47:00	0.002212
AREA6_100YR_3HRCHI	0:48:00	0.002552
AREA6_100YR_3HRCHI	0:49:00	0.002917
AREA6_100YR_3HRCHI	0:50:00	0.003306
AREA6_100YR_3HRCHI	0:51:00	0.003714
AREA6_100YR_3HRCHI	0:52:00	0.004203
AREA6_100YR_3HRCHI	0:53:00	0.004858
AREA6_100YR_3HRCHI	0:54:00	0.005726
AREA6_100YR_3HRCHI	0:55:00	0.006825
AREA6_100YR_3HRCHI	0:56:00	0.008156
AREA6_100YR_3HRCHI	0:57:00	0.009708
AREA6_100YR_3HRCHI	0:58:00	0.011461
AREA6_100YR_3HRCHI	0:59:00	0.013393
AREA6_100YR_3HRCHI	1:00:00	0.015478
AREA6_100YR_3HRCHI	1:01:00	0.017694
AREA6_100YR_3HRCHI	1:02:00	0.020765
AREA6_100YR_3HRCHI	1:03:00	0.025751
AREA6_100YR_3HRCHI	1:04:00	0.033272
AREA6_100YR_3HRCHI	1:05:00	0.043617
AREA6_100YR_3HRCHI	1:06:00	0.056827
AREA6_100YR_3HRCHI	1:07:00	0.07277
AREA6_100YR_3HRCHI	1:08:00	0.091195
AREA6_100YR_3HRCHI	1:09:00	0.111784
AREA6_100YR_3HRCHI	1:10:00	0.134179
AREA6_100YR_3HRCHI	1:11:00	0.158013
AREA6_100YR_3HRCHI	1:12:00	0.181525
AREA6_100YR_3HRCHI	1:13:00	0.202566
AREA6_100YR_3HRCHI	1:14:00	0.220088
AREA6_100YR_3HRCHI	1:15:00	0.233749
AREA6_100YR_3HRCHI	1:16:00	0.243645
AREA6_100YR_3HRCHI	1:17:00	0.250121
AREA6_100YR_3HRCHI	1:18:00	0.253647
AREA6_100YR_3HRCHI	1:19:00	0.254733
AREA6_100YR_3HRCHI	1:20:00	0.253881

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA6_100YR_3HRCHI	1:21:00	0.251556
AREA6_100YR_3HRCHI	1:22:00	0.247843
AREA6_100YR_3HRCHI	1:23:00	0.242682
AREA6_100YR_3HRCHI	1:24:00	0.236213
AREA6_100YR_3HRCHI	1:25:00	0.228678
AREA6_100YR_3HRCHI	1:26:00	0.220356
AREA6_100YR_3HRCHI	1:27:00	0.211529
AREA6_100YR_3HRCHI	1:28:00	0.202453
AREA6_100YR_3HRCHI	1:29:00	0.193354
AREA6_100YR_3HRCHI	1:30:00	0.184416
AREA6_100YR_3HRCHI	1:31:00	0.175784
AREA6_100YR_3HRCHI	1:32:00	0.167452
AREA6_100YR_3HRCHI	1:33:00	0.159356
AREA6_100YR_3HRCHI	1:34:00	0.151492
AREA6_100YR_3HRCHI	1:35:00	0.14389
AREA6_100YR_3HRCHI	1:36:00	0.136594
AREA6_100YR_3HRCHI	1:37:00	0.129648
AREA6_100YR_3HRCHI	1:38:00	0.123091
AREA6_100YR_3HRCHI	1:39:00	0.116951
AREA6_100YR_3HRCHI	1:40:00	0.111247
AREA6_100YR_3HRCHI	1:41:00	0.105987
AREA6_100YR_3HRCHI	1:42:00	0.101113
AREA6_100YR_3HRCHI	1:43:00	0.096543
AREA6_100YR_3HRCHI	1:44:00	0.092237
AREA6_100YR_3HRCHI	1:45:00	0.088178
AREA6_100YR_3HRCHI	1:46:00	0.084358
AREA6_100YR_3HRCHI	1:47:00	0.080782
AREA6_100YR_3HRCHI	1:48:00	0.077451
AREA6_100YR_3HRCHI	1:49:00	0.074367
AREA6_100YR_3HRCHI	1:50:00	0.071527
AREA6_100YR_3HRCHI	1:51:00	0.068929
AREA6_100YR_3HRCHI	1:52:00	0.06653
AREA6_100YR_3HRCHI	1:53:00	0.064277
AREA6_100YR_3HRCHI	1:54:00	0.062144
AREA6_100YR_3HRCHI	1:55:00	0.06012
AREA6_100YR_3HRCHI	1:56:00	0.058174
AREA6_100YR_3HRCHI	1:57:00	0.056335
AREA6_100YR_3HRCHI	1:58:00	0.054608
AREA6_100YR_3HRCHI	1:59:00	0.052997
AREA6_100YR_3HRCHI	2:00:00	0.051502
AREA6_100YR_3HRCHI	2:01:00	0.050126
AREA6_100YR_3HRCHI	2:02:00	0.048842
AREA6_100YR_3HRCHI	2:03:00	0.04762
AREA6_100YR_3HRCHI	2:04:00	0.046444
AREA6_100YR_3HRCHI	2:05:00	0.045311
AREA6_100YR_3HRCHI	2:06:00	0.044277
AREA6_100YR_3HRCHI	2:07:00	0.043285
AREA6_100YR_3HRCHI	2:08:00	0.04234
AREA6_100YR_3HRCHI	2:09:00	0.041447
AREA6_100YR_3HRCHI	2:10:00	0.040611
AREA6_100YR_3HRCHI	2:11:00	0.039834
AREA6_100YR_3HRCHI	2:12:00	0.0391
AREA6_100YR_3HRCHI	2:13:00	0.03839
AREA6_100YR_3HRCHI	2:14:00	0.037693
AREA6_100YR_3HRCHI	2:15:00	0.037011
AREA6_100YR_3HRCHI	2:16:00	0.036357
AREA6_100YR_3HRCHI	2:17:00	0.035722
AREA6_100YR_3HRCHI	2:18:00	0.035112
AREA6_100YR_3HRCHI	2:19:00	0.03453
AREA6_100YR_3HRCHI	2:20:00	0.033981
AREA6_100YR_3HRCHI	2:21:00	0.033468
AREA6_100YR_3HRCHI	2:22:00	0.03298
AREA6_100YR_3HRCHI	2:23:00	0.032502
AREA6_100YR_3HRCHI	2:24:00	0.032028
AREA6_100YR_3HRCHI	2:25:00	0.031558
AREA6_100YR_3HRCHI	2:26:00	0.0311

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA6_100YR_3HRCHI	2:27:00	0.030652
AREA6_100YR_3HRCHI	2:28:00	0.030219
AREA6_100YR_3HRCHI	2:29:00	0.029804
AREA6_100YR_3HRCHI	2:30:00	0.029411
AREA6_100YR_3HRCHI	2:31:00	0.029043
AREA6_100YR_3HRCHI	2:32:00	0.02869
AREA6_100YR_3HRCHI	2:33:00	0.028342
AREA6_100YR_3HRCHI	2:34:00	0.027994
AREA6_100YR_3HRCHI	2:35:00	0.027646
AREA6_100YR_3HRCHI	2:36:00	0.027304
AREA6_100YR_3HRCHI	2:37:00	0.026967
AREA6_100YR_3HRCHI	2:38:00	0.02664
AREA6_100YR_3HRCHI	2:39:00	0.026325
AREA6_100YR_3HRCHI	2:40:00	0.026027
AREA6_100YR_3HRCHI	2:41:00	0.025745
AREA6_100YR_3HRCHI	2:42:00	0.025476
AREA6_100YR_3HRCHI	2:43:00	0.025208
AREA6_100YR_3HRCHI	2:44:00	0.02494
AREA6_100YR_3HRCHI	2:45:00	0.024671
AREA6_100YR_3HRCHI	2:46:00	0.024405
AREA6_100YR_3HRCHI	2:47:00	0.024143
AREA6_100YR_3HRCHI	2:48:00	0.023888
AREA6_100YR_3HRCHI	2:49:00	0.023643
AREA6_100YR_3HRCHI	2:50:00	0.023409
AREA6_100YR_3HRCHI	2:51:00	0.02319
AREA6_100YR_3HRCHI	2:52:00	0.022978
AREA6_100YR_3HRCHI	2:53:00	0.022768
AREA6_100YR_3HRCHI	2:54:00	0.022555
AREA6_100YR_3HRCHI	2:55:00	0.022341
AREA6_100YR_3HRCHI	2:56:00	0.022129
AREA6_100YR_3HRCHI	2:57:00	0.021919
AREA6_100YR_3HRCHI	2:58:00	0.021714
AREA6_100YR_3HRCHI	2:59:00	0.021516
AREA6_100YR_3HRCHI	3:00:00	0.021327
AREA6_100YR_3HRCHI	3:01:00	0.021149
AREA6_100YR_3HRCHI	3:02:00	0.020978
AREA6_100YR_3HRCHI	3:03:00	0.020806
AREA6_100YR_3HRCHI	3:04:00	0.020633
AREA6_100YR_3HRCHI	3:05:00	0.020457
AREA6_100YR_3HRCHI	3:06:00	0.020283
AREA6_100YR_3HRCHI	3:07:00	0.02011
AREA6_100YR_3HRCHI	3:08:00	0.01994
AREA6_100YR_3HRCHI	3:09:00	0.019777
AREA6_100YR_3HRCHI	3:10:00	0.019621
AREA6_100YR_3HRCHI	3:11:00	0.019474
AREA6_100YR_3HRCHI	3:12:00	0.019269
AREA6_100YR_3HRCHI	3:13:00	0.018925
AREA6_100YR_3HRCHI	3:14:00	0.018412
AREA6_100YR_3HRCHI	3:15:00	0.017733
AREA6_100YR_3HRCHI	3:16:00	0.016911
AREA6_100YR_3HRCHI	3:17:00	0.015975
AREA6_100YR_3HRCHI	3:18:00	0.01496
AREA6_100YR_3HRCHI	3:19:00	0.013896
AREA6_100YR_3HRCHI	3:20:00	0.012812
AREA6_100YR_3HRCHI	3:21:00	0.011733
AREA6_100YR_3HRCHI	3:22:00	0.010678
AREA6_100YR_3HRCHI	3:23:00	0.009663
AREA6_100YR_3HRCHI	3:24:00	0.008699
AREA6_100YR_3HRCHI	3:25:00	0.007794
AREA6_100YR_3HRCHI	3:26:00	0.006953
AREA6_100YR_3HRCHI	3:27:00	0.006177
AREA6_100YR_3HRCHI	3:28:00	0.005468
AREA6_100YR_3HRCHI	3:29:00	0.004822
AREA6_100YR_3HRCHI	3:30:00	0.004239
AREA6_100YR_3HRCHI	3:31:00	0.003716
AREA6_100YR_3HRCHI	3:32:00	0.003247

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA6_100YR_3HRCHI	3:33:00	0.00283
AREA6_100YR_3HRCHI	3:34:00	0.00246
AREA6_100YR_3HRCHI	3:35:00	0.002133
AREA6_100YR_3HRCHI	3:36:00	0.001846
AREA6_100YR_3HRCHI	3:37:00	0.001594
AREA6_100YR_3HRCHI	3:38:00	0.001373
AREA6_100YR_3HRCHI	3:39:00	0.00118
AREA6_100YR_3HRCHI	3:40:00	0.001013
AREA6_100YR_3HRCHI	3:41:00	0.000867
AREA6_100YR_3HRCHI	3:42:00	0.000741
AREA6_100YR_3HRCHI	3:43:00	0.000632
AREA6_100YR_3HRCHI	3:44:00	0.000537
AREA6_100YR_3HRCHI	3:45:00	0.000456
AREA6_100YR_3HRCHI	3:46:00	0.000386
AREA6_100YR_3HRCHI	3:47:00	0.000327
AREA6_100YR_3HRCHI	3:48:00	0.000275
AREA6_100YR_3HRCHI	3:49:00	0.000232
AREA6_100YR_3HRCHI	3:50:00	0.000194
AREA6_100YR_3HRCHI	3:51:00	0.000162
AREA6_100YR_3HRCHI	3:52:00	0.000135
AREA6_100YR_3HRCHI	3:53:00	0.000111
AREA6_100YR_3HRCHI	3:54:00	0.000091
AREA6_100YR_3HRCHI	3:55:00	0.000075
AREA6_100YR_3HRCHI	3:56:00	0.000061
AREA6_100YR_3HRCHI	3:57:00	0.000049
AREA6_100YR_3HRCHI	3:58:00	0.000038
AREA6_100YR_3HRCHI	3:59:00	0.00003
AREA6_100YR_3HRCHI	4:00:00	0.000023
AREA6_100YR_3HRCHI	4:01:00	0.000016
AREA6_100YR_3HRCHI	4:02:00	0.000011

AREA7_100YR_3HRCHI	0:01:00	0
AREA7_100YR_3HRCHI	0:02:00	0
AREA7_100YR_3HRCHI	0:03:00	0
AREA7_100YR_3HRCHI	0:04:00	0
AREA7_100YR_3HRCHI	0:05:00	0
AREA7_100YR_3HRCHI	0:06:00	0
AREA7_100YR_3HRCHI	0:07:00	0
AREA7_100YR_3HRCHI	0:08:00	0
AREA7_100YR_3HRCHI	0:09:00	0
AREA7_100YR_3HRCHI	0:10:00	0
AREA7_100YR_3HRCHI	0:11:00	0
AREA7_100YR_3HRCHI	0:12:00	0
AREA7_100YR_3HRCHI	0:13:00	0
AREA7_100YR_3HRCHI	0:14:00	0
AREA7_100YR_3HRCHI	0:15:00	0
AREA7_100YR_3HRCHI	0:16:00	0
AREA7_100YR_3HRCHI	0:17:00	0
AREA7_100YR_3HRCHI	0:18:00	0
AREA7_100YR_3HRCHI	0:19:00	0
AREA7_100YR_3HRCHI	0:20:00	0
AREA7_100YR_3HRCHI	0:21:00	0
AREA7_100YR_3HRCHI	0:22:00	0
AREA7_100YR_3HRCHI	0:23:00	0
AREA7_100YR_3HRCHI	0:24:00	0
AREA7_100YR_3HRCHI	0:25:00	0
AREA7_100YR_3HRCHI	0:26:00	0
AREA7_100YR_3HRCHI	0:27:00	0
AREA7_100YR_3HRCHI	0:28:00	0
AREA7_100YR_3HRCHI	0:29:00	0
AREA7_100YR_3HRCHI	0:30:00	0
AREA7_100YR_3HRCHI	0:31:00	0
AREA7_100YR_3HRCHI	0:32:00	0
AREA7_100YR_3HRCHI	0:33:00	0
AREA7_100YR_3HRCHI	0:34:00	0.000001

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	0:35:00	0.000001
AREA7_100YR_3HRCHI	0:36:00	0.000001
AREA7_100YR_3HRCHI	0:37:00	0.000002
AREA7_100YR_3HRCHI	0:38:00	0.000003
AREA7_100YR_3HRCHI	0:39:00	0.000004
AREA7_100YR_3HRCHI	0:40:00	0.000005
AREA7_100YR_3HRCHI	0:41:00	0.000006
AREA7_100YR_3HRCHI	0:42:00	0.000008
AREA7_100YR_3HRCHI	0:43:00	0.00001
AREA7_100YR_3HRCHI	0:44:00	0.000013
AREA7_100YR_3HRCHI	0:45:00	0.000016
AREA7_100YR_3HRCHI	0:46:00	0.000019
AREA7_100YR_3HRCHI	0:47:00	0.000023
AREA7_100YR_3HRCHI	0:48:00	0.000028
AREA7_100YR_3HRCHI	0:49:00	0.000033
AREA7_100YR_3HRCHI	0:50:00	0.00004
AREA7_100YR_3HRCHI	0:51:00	0.000047
AREA7_100YR_3HRCHI	0:52:00	0.000055
AREA7_100YR_3HRCHI	0:53:00	0.000065
AREA7_100YR_3HRCHI	0:54:00	0.000077
AREA7_100YR_3HRCHI	0:55:00	0.000091
AREA7_100YR_3HRCHI	0:56:00	0.000108
AREA7_100YR_3HRCHI	0:57:00	0.000128
AREA7_100YR_3HRCHI	0:58:00	0.000151
AREA7_100YR_3HRCHI	0:59:00	0.000178
AREA7_100YR_3HRCHI	1:00:00	0.00021
AREA7_100YR_3HRCHI	1:01:00	0.000247
AREA7_100YR_3HRCHI	1:02:00	0.000292
AREA7_100YR_3HRCHI	1:03:00	0.000348
AREA7_100YR_3HRCHI	1:04:00	0.000423
AREA7_100YR_3HRCHI	1:05:00	0.000521
AREA7_100YR_3HRCHI	1:06:00	0.000649
AREA7_100YR_3HRCHI	1:07:00	0.000814
AREA7_100YR_3HRCHI	1:08:00	0.001024
AREA7_100YR_3HRCHI	1:09:00	0.001284
AREA7_100YR_3HRCHI	1:10:00	0.001603
AREA7_100YR_3HRCHI	1:11:00	0.001987
AREA7_100YR_3HRCHI	1:12:00	0.00244
AREA7_100YR_3HRCHI	1:13:00	0.002957
AREA7_100YR_3HRCHI	1:14:00	0.003536
AREA7_100YR_3HRCHI	1:15:00	0.004172
AREA7_100YR_3HRCHI	1:16:00	0.004863
AREA7_100YR_3HRCHI	1:17:00	0.005606
AREA7_100YR_3HRCHI	1:18:00	0.006399
AREA7_100YR_3HRCHI	1:19:00	0.007239
AREA7_100YR_3HRCHI	1:20:00	0.008123
AREA7_100YR_3HRCHI	1:21:00	0.009051
AREA7_100YR_3HRCHI	1:22:00	0.010017
AREA7_100YR_3HRCHI	1:23:00	0.011018
AREA7_100YR_3HRCHI	1:24:00	0.012049
AREA7_100YR_3HRCHI	1:25:00	0.013106
AREA7_100YR_3HRCHI	1:26:00	0.014185
AREA7_100YR_3HRCHI	1:27:00	0.015284
AREA7_100YR_3HRCHI	1:28:00	0.016398
AREA7_100YR_3HRCHI	1:29:00	0.017525
AREA7_100YR_3HRCHI	1:30:00	0.018662
AREA7_100YR_3HRCHI	1:31:00	0.019807
AREA7_100YR_3HRCHI	1:32:00	0.020957
AREA7_100YR_3HRCHI	1:33:00	0.022108
AREA7_100YR_3HRCHI	1:34:00	0.023258
AREA7_100YR_3HRCHI	1:35:00	0.024404
AREA7_100YR_3HRCHI	1:36:00	0.025544
AREA7_100YR_3HRCHI	1:37:00	0.026676
AREA7_100YR_3HRCHI	1:38:00	0.027798
AREA7_100YR_3HRCHI	1:39:00	0.028908
AREA7_100YR_3HRCHI	1:40:00	0.030004

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	1:41:00	0.031085
AREA7_100YR_3HRCHI	1:42:00	0.03215
AREA7_100YR_3HRCHI	1:43:00	0.033197
AREA7_100YR_3HRCHI	1:44:00	0.034224
AREA7_100YR_3HRCHI	1:45:00	0.035231
AREA7_100YR_3HRCHI	1:46:00	0.036216
AREA7_100YR_3HRCHI	1:47:00	0.037178
AREA7_100YR_3HRCHI	1:48:00	0.038117
AREA7_100YR_3HRCHI	1:49:00	0.039031
AREA7_100YR_3HRCHI	1:50:00	0.039921
AREA7_100YR_3HRCHI	1:51:00	0.040786
AREA7_100YR_3HRCHI	1:52:00	0.041624
AREA7_100YR_3HRCHI	1:53:00	0.042437
AREA7_100YR_3HRCHI	1:54:00	0.043222
AREA7_100YR_3HRCHI	1:55:00	0.043981
AREA7_100YR_3HRCHI	1:56:00	0.044712
AREA7_100YR_3HRCHI	1:57:00	0.045416
AREA7_100YR_3HRCHI	1:58:00	0.046092
AREA7_100YR_3HRCHI	1:59:00	0.046741
AREA7_100YR_3HRCHI	2:00:00	0.047362
AREA7_100YR_3HRCHI	2:01:00	0.047956
AREA7_100YR_3HRCHI	2:02:00	0.048523
AREA7_100YR_3HRCHI	2:03:00	0.049062
AREA7_100YR_3HRCHI	2:04:00	0.049575
AREA7_100YR_3HRCHI	2:05:00	0.05006
AREA7_100YR_3HRCHI	2:06:00	0.050519
AREA7_100YR_3HRCHI	2:07:00	0.050951
AREA7_100YR_3HRCHI	2:08:00	0.051357
AREA7_100YR_3HRCHI	2:09:00	0.051738
AREA7_100YR_3HRCHI	2:10:00	0.052093
AREA7_100YR_3HRCHI	2:11:00	0.052424
AREA7_100YR_3HRCHI	2:12:00	0.05273
AREA7_100YR_3HRCHI	2:13:00	0.053012
AREA7_100YR_3HRCHI	2:14:00	0.05327
AREA7_100YR_3HRCHI	2:15:00	0.053505
AREA7_100YR_3HRCHI	2:16:00	0.053717
AREA7_100YR_3HRCHI	2:17:00	0.053907
AREA7_100YR_3HRCHI	2:18:00	0.054075
AREA7_100YR_3HRCHI	2:19:00	0.054222
AREA7_100YR_3HRCHI	2:20:00	0.054347
AREA7_100YR_3HRCHI	2:21:00	0.054453
AREA7_100YR_3HRCHI	2:22:00	0.054539
AREA7_100YR_3HRCHI	2:23:00	0.054605
AREA7_100YR_3HRCHI	2:24:00	0.054652
AREA7_100YR_3HRCHI	2:25:00	0.054682
AREA7_100YR_3HRCHI	2:26:00	0.054693
AREA7_100YR_3HRCHI	2:27:00	0.054687
AREA7_100YR_3HRCHI	2:28:00	0.054664
AREA7_100YR_3HRCHI	2:29:00	0.054625
AREA7_100YR_3HRCHI	2:30:00	0.054571
AREA7_100YR_3HRCHI	2:31:00	0.054501
AREA7_100YR_3HRCHI	2:32:00	0.054416
AREA7_100YR_3HRCHI	2:33:00	0.054317
AREA7_100YR_3HRCHI	2:34:00	0.054204
AREA7_100YR_3HRCHI	2:35:00	0.054079
AREA7_100YR_3HRCHI	2:36:00	0.05394
AREA7_100YR_3HRCHI	2:37:00	0.053789
AREA7_100YR_3HRCHI	2:38:00	0.053625
AREA7_100YR_3HRCHI	2:39:00	0.053451
AREA7_100YR_3HRCHI	2:40:00	0.053266
AREA7_100YR_3HRCHI	2:41:00	0.05307
AREA7_100YR_3HRCHI	2:42:00	0.052864
AREA7_100YR_3HRCHI	2:43:00	0.052648
AREA7_100YR_3HRCHI	2:44:00	0.052424
AREA7_100YR_3HRCHI	2:45:00	0.05219
AREA7_100YR_3HRCHI	2:46:00	0.051948



post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	2:47:00	0.051698
AREA7_100YR_3HRCHI	2:48:00	0.051441
AREA7_100YR_3HRCHI	2:49:00	0.051176
AREA7_100YR_3HRCHI	2:50:00	0.050904
AREA7_100YR_3HRCHI	2:51:00	0.050626
AREA7_100YR_3HRCHI	2:52:00	0.050341
AREA7_100YR_3HRCHI	2:53:00	0.050051
AREA7_100YR_3HRCHI	2:54:00	0.049756
AREA7_100YR_3HRCHI	2:55:00	0.049455
AREA7_100YR_3HRCHI	2:56:00	0.04915
AREA7_100YR_3HRCHI	2:57:00	0.04884
AREA7_100YR_3HRCHI	2:58:00	0.048525
AREA7_100YR_3HRCHI	2:59:00	0.048207
AREA7_100YR_3HRCHI	3:00:00	0.047886
AREA7_100YR_3HRCHI	3:01:00	0.047561
AREA7_100YR_3HRCHI	3:02:00	0.047232
AREA7_100YR_3HRCHI	3:03:00	0.046902
AREA7_100YR_3HRCHI	3:04:00	0.046568
AREA7_100YR_3HRCHI	3:05:00	0.046232
AREA7_100YR_3HRCHI	3:06:00	0.045895
AREA7_100YR_3HRCHI	3:07:00	0.045555
AREA7_100YR_3HRCHI	3:08:00	0.045213
AREA7_100YR_3HRCHI	3:09:00	0.044871
AREA7_100YR_3HRCHI	3:10:00	0.044527
AREA7_100YR_3HRCHI	3:11:00	0.044182
AREA7_100YR_3HRCHI	3:12:00	0.043836
AREA7_100YR_3HRCHI	3:13:00	0.043488
AREA7_100YR_3HRCHI	3:14:00	0.043139
AREA7_100YR_3HRCHI	3:15:00	0.042787
AREA7_100YR_3HRCHI	3:16:00	0.042433
AREA7_100YR_3HRCHI	3:17:00	0.042077
AREA7_100YR_3HRCHI	3:18:00	0.041717
AREA7_100YR_3HRCHI	3:19:00	0.041354
AREA7_100YR_3HRCHI	3:20:00	0.040989
AREA7_100YR_3HRCHI	3:21:00	0.04062
AREA7_100YR_3HRCHI	3:22:00	0.040248
AREA7_100YR_3HRCHI	3:23:00	0.039872
AREA7_100YR_3HRCHI	3:24:00	0.039494
AREA7_100YR_3HRCHI	3:25:00	0.039112
AREA7_100YR_3HRCHI	3:26:00	0.038728
AREA7_100YR_3HRCHI	3:27:00	0.03834
AREA7_100YR_3HRCHI	3:28:00	0.03795
AREA7_100YR_3HRCHI	3:29:00	0.037557
AREA7_100YR_3HRCHI	3:30:00	0.037161
AREA7_100YR_3HRCHI	3:31:00	0.036763
AREA7_100YR_3HRCHI	3:32:00	0.036362
AREA7_100YR_3HRCHI	3:33:00	0.03596
AREA7_100YR_3HRCHI	3:34:00	0.035555
AREA7_100YR_3HRCHI	3:35:00	0.035149
AREA7_100YR_3HRCHI	3:36:00	0.034741
AREA7_100YR_3HRCHI	3:37:00	0.034331
AREA7_100YR_3HRCHI	3:38:00	0.03392
AREA7_100YR_3HRCHI	3:39:00	0.033509
AREA7_100YR_3HRCHI	3:40:00	0.033096
AREA7_100YR_3HRCHI	3:41:00	0.032682
AREA7_100YR_3HRCHI	3:42:00	0.032268
AREA7_100YR_3HRCHI	3:43:00	0.031854
AREA7_100YR_3HRCHI	3:44:00	0.03144
AREA7_100YR_3HRCHI	3:45:00	0.031025
AREA7_100YR_3HRCHI	3:46:00	0.030611
AREA7_100YR_3HRCHI	3:47:00	0.030197
AREA7_100YR_3HRCHI	3:48:00	0.029784
AREA7_100YR_3HRCHI	3:49:00	0.029372
AREA7_100YR_3HRCHI	3:50:00	0.028961
AREA7_100YR_3HRCHI	3:51:00	0.02855
AREA7_100YR_3HRCHI	3:52:00	0.028141

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	3:53:00	0.027734
AREA7_100YR_3HRCHI	3:54:00	0.027327
AREA7_100YR_3HRCHI	3:55:00	0.026923
AREA7_100YR_3HRCHI	3:56:00	0.026521
AREA7_100YR_3HRCHI	3:57:00	0.02612
AREA7_100YR_3HRCHI	3:58:00	0.025722
AREA7_100YR_3HRCHI	3:59:00	0.025326
AREA7_100YR_3HRCHI	4:00:00	0.024932
AREA7_100YR_3HRCHI	4:01:00	0.024541
AREA7_100YR_3HRCHI	4:02:00	0.024152
AREA7_100YR_3HRCHI	4:03:00	0.023767
AREA7_100YR_3HRCHI	4:04:00	0.023384
AREA7_100YR_3HRCHI	4:05:00	0.023004
AREA7_100YR_3HRCHI	4:06:00	0.022627
AREA7_100YR_3HRCHI	4:07:00	0.022253
AREA7_100YR_3HRCHI	4:08:00	0.021882
AREA7_100YR_3HRCHI	4:09:00	0.021515
AREA7_100YR_3HRCHI	4:10:00	0.021151
AREA7_100YR_3HRCHI	4:11:00	0.020791
AREA7_100YR_3HRCHI	4:12:00	0.020434
AREA7_100YR_3HRCHI	4:13:00	0.02008
AREA7_100YR_3HRCHI	4:14:00	0.019731
AREA7_100YR_3HRCHI	4:15:00	0.019385
AREA7_100YR_3HRCHI	4:16:00	0.019042
AREA7_100YR_3HRCHI	4:17:00	0.018704
AREA7_100YR_3HRCHI	4:18:00	0.018369
AREA7_100YR_3HRCHI	4:19:00	0.018038
AREA7_100YR_3HRCHI	4:20:00	0.017711
AREA7_100YR_3HRCHI	4:21:00	0.017388
AREA7_100YR_3HRCHI	4:22:00	0.017069
AREA7_100YR_3HRCHI	4:23:00	0.016753
AREA7_100YR_3HRCHI	4:24:00	0.016442
AREA7_100YR_3HRCHI	4:25:00	0.016135
AREA7_100YR_3HRCHI	4:26:00	0.015832
AREA7_100YR_3HRCHI	4:27:00	0.015533
AREA7_100YR_3HRCHI	4:28:00	0.015237
AREA7_100YR_3HRCHI	4:29:00	0.014946
AREA7_100YR_3HRCHI	4:30:00	0.014659
AREA7_100YR_3HRCHI	4:31:00	0.014376
AREA7_100YR_3HRCHI	4:32:00	0.014097
AREA7_100YR_3HRCHI	4:33:00	0.013822
AREA7_100YR_3HRCHI	4:34:00	0.013551
AREA7_100YR_3HRCHI	4:35:00	0.013285
AREA7_100YR_3HRCHI	4:36:00	0.013022
AREA7_100YR_3HRCHI	4:37:00	0.012763
AREA7_100YR_3HRCHI	4:38:00	0.012508
AREA7_100YR_3HRCHI	4:39:00	0.012257
AREA7_100YR_3HRCHI	4:40:00	0.01201
AREA7_100YR_3HRCHI	4:41:00	0.011766
AREA7_100YR_3HRCHI	4:42:00	0.011527
AREA7_100YR_3HRCHI	4:43:00	0.011292
AREA7_100YR_3HRCHI	4:44:00	0.01106
AREA7_100YR_3HRCHI	4:45:00	0.010832
AREA7_100YR_3HRCHI	4:46:00	0.010608
AREA7_100YR_3HRCHI	4:47:00	0.010388
AREA7_100YR_3HRCHI	4:48:00	0.010172
AREA7_100YR_3HRCHI	4:49:00	0.009959
AREA7_100YR_3HRCHI	4:50:00	0.009749
AREA7_100YR_3HRCHI	4:51:00	0.009544
AREA7_100YR_3HRCHI	4:52:00	0.009342
AREA7_100YR_3HRCHI	4:53:00	0.009143
AREA7_100YR_3HRCHI	4:54:00	0.008949
AREA7_100YR_3HRCHI	4:55:00	0.008757
AREA7_100YR_3HRCHI	4:56:00	0.008569
AREA7_100YR_3HRCHI	4:57:00	0.008384
AREA7_100YR_3HRCHI	4:58:00	0.008203

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	4:59:00	0.008025
AREA7_100YR_3HRCHI	5:00:00	0.007851
AREA7_100YR_3HRCHI	5:01:00	0.007679
AREA7_100YR_3HRCHI	5:02:00	0.007511
AREA7_100YR_3HRCHI	5:03:00	0.007346
AREA7_100YR_3HRCHI	5:04:00	0.007184
AREA7_100YR_3HRCHI	5:05:00	0.007025
AREA7_100YR_3HRCHI	5:06:00	0.006869
AREA7_100YR_3HRCHI	5:07:00	0.006716
AREA7_100YR_3HRCHI	5:08:00	0.006567
AREA7_100YR_3HRCHI	5:09:00	0.00642
AREA7_100YR_3HRCHI	5:10:00	0.006276
AREA7_100YR_3HRCHI	5:11:00	0.006134
AREA7_100YR_3HRCHI	5:12:00	0.005996
AREA7_100YR_3HRCHI	5:13:00	0.00586
AREA7_100YR_3HRCHI	5:14:00	0.005727
AREA7_100YR_3HRCHI	5:15:00	0.005597
AREA7_100YR_3HRCHI	5:16:00	0.005469
AREA7_100YR_3HRCHI	5:17:00	0.005344
AREA7_100YR_3HRCHI	5:18:00	0.005221
AREA7_100YR_3HRCHI	5:19:00	0.005101
AREA7_100YR_3HRCHI	5:20:00	0.004983
AREA7_100YR_3HRCHI	5:21:00	0.004868
AREA7_100YR_3HRCHI	5:22:00	0.004755
AREA7_100YR_3HRCHI	5:23:00	0.004645
AREA7_100YR_3HRCHI	5:24:00	0.004536
AREA7_100YR_3HRCHI	5:25:00	0.00443
AREA7_100YR_3HRCHI	5:26:00	0.004326
AREA7_100YR_3HRCHI	5:27:00	0.004225
AREA7_100YR_3HRCHI	5:28:00	0.004125
AREA7_100YR_3HRCHI	5:29:00	0.004028
AREA7_100YR_3HRCHI	5:30:00	0.003932
AREA7_100YR_3HRCHI	5:31:00	0.003839
AREA7_100YR_3HRCHI	5:32:00	0.003747
AREA7_100YR_3HRCHI	5:33:00	0.003658
AREA7_100YR_3HRCHI	5:34:00	0.00357
AREA7_100YR_3HRCHI	5:35:00	0.003483
AREA7_100YR_3HRCHI	5:36:00	0.003398
AREA7_100YR_3HRCHI	5:37:00	0.003315
AREA7_100YR_3HRCHI	5:38:00	0.003234
AREA7_100YR_3HRCHI	5:39:00	0.003154
AREA7_100YR_3HRCHI	5:40:00	0.003076
AREA7_100YR_3HRCHI	5:41:00	0.003
AREA7_100YR_3HRCHI	5:42:00	0.002925
AREA7_100YR_3HRCHI	5:43:00	0.002851
AREA7_100YR_3HRCHI	5:44:00	0.00277
AREA7_100YR_3HRCHI	5:45:00	0.002687
AREA7_100YR_3HRCHI	5:46:00	0.002603
AREA7_100YR_3HRCHI	5:47:00	0.002519
AREA7_100YR_3HRCHI	5:48:00	0.002434
AREA7_100YR_3HRCHI	5:49:00	0.002349
AREA7_100YR_3HRCHI	5:50:00	0.002263
AREA7_100YR_3HRCHI	5:51:00	0.002176
AREA7_100YR_3HRCHI	5:52:00	0.002089
AREA7_100YR_3HRCHI	5:53:00	0.002002
AREA7_100YR_3HRCHI	5:54:00	0.001941
AREA7_100YR_3HRCHI	5:55:00	0.001882
AREA7_100YR_3HRCHI	5:56:00	0.001824
AREA7_100YR_3HRCHI	5:57:00	0.001767
AREA7_100YR_3HRCHI	5:58:00	0.001711
AREA7_100YR_3HRCHI	5:59:00	0.001657
AREA7_100YR_3HRCHI	6:00:00	0.001603
AREA7_100YR_3HRCHI	6:01:00	0.001551
AREA7_100YR_3HRCHI	6:02:00	0.001499
AREA7_100YR_3HRCHI	6:03:00	0.001448
AREA7_100YR_3HRCHI	6:04:00	0.001406

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	6:05:00	0.001364
AREA7_100YR_3HRCHI	6:06:00	0.001323
AREA7_100YR_3HRCHI	6:07:00	0.001283
AREA7_100YR_3HRCHI	6:08:00	0.001244
AREA7_100YR_3HRCHI	6:09:00	0.001206
AREA7_100YR_3HRCHI	6:10:00	0.001169
AREA7_100YR_3HRCHI	6:11:00	0.001132
AREA7_100YR_3HRCHI	6:12:00	0.001097
AREA7_100YR_3HRCHI	6:13:00	0.001062
AREA7_100YR_3HRCHI	6:14:00	0.001031
AREA7_100YR_3HRCHI	6:15:00	0.001
AREA7_100YR_3HRCHI	6:16:00	0.00097
AREA7_100YR_3HRCHI	6:17:00	0.00094
AREA7_100YR_3HRCHI	6:18:00	0.000912
AREA7_100YR_3HRCHI	6:19:00	0.000884
AREA7_100YR_3HRCHI	6:20:00	0.000856
AREA7_100YR_3HRCHI	6:21:00	0.000829
AREA7_100YR_3HRCHI	6:22:00	0.000803
AREA7_100YR_3HRCHI	6:23:00	0.000778
AREA7_100YR_3HRCHI	6:24:00	0.000754
AREA7_100YR_3HRCHI	6:25:00	0.000731
AREA7_100YR_3HRCHI	6:26:00	0.000709
AREA7_100YR_3HRCHI	6:27:00	0.000687
AREA7_100YR_3HRCHI	6:28:00	0.000665
AREA7_100YR_3HRCHI	6:29:00	0.000644
AREA7_100YR_3HRCHI	6:30:00	0.000624
AREA7_100YR_3HRCHI	6:31:00	0.000604
AREA7_100YR_3HRCHI	6:32:00	0.000585
AREA7_100YR_3HRCHI	6:33:00	0.000566
AREA7_100YR_3HRCHI	6:34:00	0.000548
AREA7_100YR_3HRCHI	6:35:00	0.000531
AREA7_100YR_3HRCHI	6:36:00	0.000514
AREA7_100YR_3HRCHI	6:37:00	0.000497
AREA7_100YR_3HRCHI	6:38:00	0.000481
AREA7_100YR_3HRCHI	6:39:00	0.000465
AREA7_100YR_3HRCHI	6:40:00	0.00045
AREA7_100YR_3HRCHI	6:41:00	0.000435
AREA7_100YR_3HRCHI	6:42:00	0.000421
AREA7_100YR_3HRCHI	6:43:00	0.000406
AREA7_100YR_3HRCHI	6:44:00	0.000393
AREA7_100YR_3HRCHI	6:45:00	0.00038
AREA7_100YR_3HRCHI	6:46:00	0.000367
AREA7_100YR_3HRCHI	6:47:00	0.000355
AREA7_100YR_3HRCHI	6:48:00	0.000343
AREA7_100YR_3HRCHI	6:49:00	0.000331
AREA7_100YR_3HRCHI	6:50:00	0.00032
AREA7_100YR_3HRCHI	6:51:00	0.000309
AREA7_100YR_3HRCHI	6:52:00	0.000298
AREA7_100YR_3HRCHI	6:53:00	0.000287
AREA7_100YR_3HRCHI	6:54:00	0.000277
AREA7_100YR_3HRCHI	6:55:00	0.000267
AREA7_100YR_3HRCHI	6:56:00	0.000258
AREA7_100YR_3HRCHI	6:57:00	0.000249
AREA7_100YR_3HRCHI	6:58:00	0.00024
AREA7_100YR_3HRCHI	6:59:00	0.000231
AREA7_100YR_3HRCHI	7:00:00	0.000222
AREA7_100YR_3HRCHI	7:01:00	0.000214
AREA7_100YR_3HRCHI	7:02:00	0.000206
AREA7_100YR_3HRCHI	7:03:00	0.000198
AREA7_100YR_3HRCHI	7:04:00	0.00019
AREA7_100YR_3HRCHI	7:05:00	0.000183
AREA7_100YR_3HRCHI	7:06:00	0.000176
AREA7_100YR_3HRCHI	7:07:00	0.000169
AREA7_100YR_3HRCHI	7:08:00	0.000162
AREA7_100YR_3HRCHI	7:09:00	0.000156
AREA7_100YR_3HRCHI	7:10:00	0.00015

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA7_100YR_3HRCHI	7:11:00	0.000143
AREA7_100YR_3HRCHI	7:12:00	0.000137
AREA7_100YR_3HRCHI	7:13:00	0.000131
AREA7_100YR_3HRCHI	7:14:00	0.000126
AREA7_100YR_3HRCHI	7:15:00	0.00012
AREA7_100YR_3HRCHI	7:16:00	0.000115
AREA7_100YR_3HRCHI	7:17:00	0.00011
AREA7_100YR_3HRCHI	7:18:00	0.000105
AREA7_100YR_3HRCHI	7:19:00	0.0001
AREA7_100YR_3HRCHI	7:20:00	0.000096
AREA7_100YR_3HRCHI	7:21:00	0.000091

AREA9_100YR_3HRCHI	0:01:00	0
AREA9_100YR_3HRCHI	0:02:00	0
AREA9_100YR_3HRCHI	0:03:00	0
AREA9_100YR_3HRCHI	0:04:00	0
AREA9_100YR_3HRCHI	0:05:00	0
AREA9_100YR_3HRCHI	0:06:00	0
AREA9_100YR_3HRCHI	0:07:00	0
AREA9_100YR_3HRCHI	0:08:00	0
AREA9_100YR_3HRCHI	0:09:00	0
AREA9_100YR_3HRCHI	0:10:00	0
AREA9_100YR_3HRCHI	0:11:00	0
AREA9_100YR_3HRCHI	0:12:00	0
AREA9_100YR_3HRCHI	0:13:00	0
AREA9_100YR_3HRCHI	0:14:00	0
AREA9_100YR_3HRCHI	0:15:00	0
AREA9_100YR_3HRCHI	0:16:00	0
AREA9_100YR_3HRCHI	0:17:00	0
AREA9_100YR_3HRCHI	0:18:00	0
AREA9_100YR_3HRCHI	0:19:00	0
AREA9_100YR_3HRCHI	0:20:00	0
AREA9_100YR_3HRCHI	0:21:00	0
AREA9_100YR_3HRCHI	0:22:00	0
AREA9_100YR_3HRCHI	0:23:00	0
AREA9_100YR_3HRCHI	0:24:00	0
AREA9_100YR_3HRCHI	0:25:00	0
AREA9_100YR_3HRCHI	0:26:00	0
AREA9_100YR_3HRCHI	0:27:00	0
AREA9_100YR_3HRCHI	0:28:00	0
AREA9_100YR_3HRCHI	0:29:00	0.000001
AREA9_100YR_3HRCHI	0:30:00	0.000001
AREA9_100YR_3HRCHI	0:31:00	0.000003
AREA9_100YR_3HRCHI	0:32:00	0.000005
AREA9_100YR_3HRCHI	0:33:00	0.000008
AREA9_100YR_3HRCHI	0:34:00	0.000012
AREA9_100YR_3HRCHI	0:35:00	0.000018
AREA9_100YR_3HRCHI	0:36:00	0.000027
AREA9_100YR_3HRCHI	0:37:00	0.000038
AREA9_100YR_3HRCHI	0:38:00	0.000052
AREA9_100YR_3HRCHI	0:39:00	0.00007
AREA9_100YR_3HRCHI	0:40:00	0.000093
AREA9_100YR_3HRCHI	0:41:00	0.00012
AREA9_100YR_3HRCHI	0:42:00	0.000154
AREA9_100YR_3HRCHI	0:43:00	0.000195
AREA9_100YR_3HRCHI	0:44:00	0.000244
AREA9_100YR_3HRCHI	0:45:00	0.000303
AREA9_100YR_3HRCHI	0:46:00	0.000373
AREA9_100YR_3HRCHI	0:47:00	0.000457
AREA9_100YR_3HRCHI	0:48:00	0.000555
AREA9_100YR_3HRCHI	0:49:00	0.00067
AREA9_100YR_3HRCHI	0:50:00	0.000802
AREA9_100YR_3HRCHI	0:51:00	0.000954
AREA9_100YR_3HRCHI	0:52:00	0.001131
AREA9_100YR_3HRCHI	0:53:00	0.001337

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	0:54:00	0.001582
AREA9_100YR_3HRCHI	0:55:00	0.001872
AREA9_100YR_3HRCHI	0:56:00	0.002215
AREA9_100YR_3HRCHI	0:57:00	0.002619
AREA9_100YR_3HRCHI	0:58:00	0.003094
AREA9_100YR_3HRCHI	0:59:00	0.003649
AREA9_100YR_3HRCHI	1:00:00	0.004293
AREA9_100YR_3HRCHI	1:01:00	0.005036
AREA9_100YR_3HRCHI	1:02:00	0.005913
AREA9_100YR_3HRCHI	1:03:00	0.006992
AREA9_100YR_3HRCHI	1:04:00	0.008347
AREA9_100YR_3HRCHI	1:05:00	0.010059
AREA9_100YR_3HRCHI	1:06:00	0.012214
AREA9_100YR_3HRCHI	1:07:00	0.014903
AREA9_100YR_3HRCHI	1:08:00	0.01822
AREA9_100YR_3HRCHI	1:09:00	0.022261
AREA9_100YR_3HRCHI	1:10:00	0.027125
AREA9_100YR_3HRCHI	1:11:00	0.032913
AREA9_100YR_3HRCHI	1:12:00	0.039676
AREA9_100YR_3HRCHI	1:13:00	0.047419
AREA9_100YR_3HRCHI	1:14:00	0.056143
AREA9_100YR_3HRCHI	1:15:00	0.065853
AREA9_100YR_3HRCHI	1:16:00	0.07655
AREA9_100YR_3HRCHI	1:17:00	0.088238
AREA9_100YR_3HRCHI	1:18:00	0.100919
AREA9_100YR_3HRCHI	1:19:00	0.114596
AREA9_100YR_3HRCHI	1:20:00	0.12927
AREA9_100YR_3HRCHI	1:21:00	0.144945
AREA9_100YR_3HRCHI	1:22:00	0.161609
AREA9_100YR_3HRCHI	1:23:00	0.179242
AREA9_100YR_3HRCHI	1:24:00	0.197824
AREA9_100YR_3HRCHI	1:25:00	0.217335
AREA9_100YR_3HRCHI	1:26:00	0.237755
AREA9_100YR_3HRCHI	1:27:00	0.259064
AREA9_100YR_3HRCHI	1:28:00	0.281244
AREA9_100YR_3HRCHI	1:29:00	0.304276
AREA9_100YR_3HRCHI	1:30:00	0.328141
AREA9_100YR_3HRCHI	1:31:00	0.352822
AREA9_100YR_3HRCHI	1:32:00	0.378297
AREA9_100YR_3HRCHI	1:33:00	0.404541
AREA9_100YR_3HRCHI	1:34:00	0.431528
AREA9_100YR_3HRCHI	1:35:00	0.459236
AREA9_100YR_3HRCHI	1:36:00	0.48764
AREA9_100YR_3HRCHI	1:37:00	0.516718
AREA9_100YR_3HRCHI	1:38:00	0.546446
AREA9_100YR_3HRCHI	1:39:00	0.576804
AREA9_100YR_3HRCHI	1:40:00	0.607769
AREA9_100YR_3HRCHI	1:41:00	0.63932
AREA9_100YR_3HRCHI	1:42:00	0.671435
AREA9_100YR_3HRCHI	1:43:00	0.70409
AREA9_100YR_3HRCHI	1:44:00	0.737261
AREA9_100YR_3HRCHI	1:45:00	0.770926
AREA9_100YR_3HRCHI	1:46:00	0.805062
AREA9_100YR_3HRCHI	1:47:00	0.839647
AREA9_100YR_3HRCHI	1:48:00	0.874661
AREA9_100YR_3HRCHI	1:49:00	0.910082
AREA9_100YR_3HRCHI	1:50:00	0.94589
AREA9_100YR_3HRCHI	1:51:00	0.982067
AREA9_100YR_3HRCHI	1:52:00	1.01859
AREA9_100YR_3HRCHI	1:53:00	1.055441
AREA9_100YR_3HRCHI	1:54:00	1.092597
AREA9_100YR_3HRCHI	1:55:00	1.130039
AREA9_100YR_3HRCHI	1:56:00	1.167748
AREA9_100YR_3HRCHI	1:57:00	1.205705
AREA9_100YR_3HRCHI	1:58:00	1.243891
AREA9_100YR_3HRCHI	1:59:00	1.282289

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	2:00:00	1.320881
AREA9_100YR_3HRCHI	2:01:00	1.359651
AREA9_100YR_3HRCHI	2:02:00	1.398581
AREA9_100YR_3HRCHI	2:03:00	1.437653
AREA9_100YR_3HRCHI	2:04:00	1.476852
AREA9_100YR_3HRCHI	2:05:00	1.51616
AREA9_100YR_3HRCHI	2:06:00	1.555561
AREA9_100YR_3HRCHI	2:07:00	1.59504
AREA9_100YR_3HRCHI	2:08:00	1.634581
AREA9_100YR_3HRCHI	2:09:00	1.674171
AREA9_100YR_3HRCHI	2:10:00	1.713794
AREA9_100YR_3HRCHI	2:11:00	1.753437
AREA9_100YR_3HRCHI	2:12:00	1.793087
AREA9_100YR_3HRCHI	2:13:00	1.832729
AREA9_100YR_3HRCHI	2:14:00	1.872349
AREA9_100YR_3HRCHI	2:15:00	1.911935
AREA9_100YR_3HRCHI	2:16:00	1.951473
AREA9_100YR_3HRCHI	2:17:00	1.990953
AREA9_100YR_3HRCHI	2:18:00	2.03036
AREA9_100YR_3HRCHI	2:19:00	2.069684
AREA9_100YR_3HRCHI	2:20:00	2.108915
AREA9_100YR_3HRCHI	2:21:00	2.14804
AREA9_100YR_3HRCHI	2:22:00	2.18705
AREA9_100YR_3HRCHI	2:23:00	2.225934
AREA9_100YR_3HRCHI	2:24:00	2.264678
AREA9_100YR_3HRCHI	2:25:00	2.303279
AREA9_100YR_3HRCHI	2:26:00	2.341721
AREA9_100YR_3HRCHI	2:27:00	2.379997
AREA9_100YR_3HRCHI	2:28:00	2.418098
AREA9_100YR_3HRCHI	2:29:00	2.456015
AREA9_100YR_3HRCHI	2:30:00	2.49374
AREA9_100YR_3HRCHI	2:31:00	2.531265
AREA9_100YR_3HRCHI	2:32:00	2.56858
AREA9_100YR_3HRCHI	2:33:00	2.60568
AREA9_100YR_3HRCHI	2:34:00	2.642556
AREA9_100YR_3HRCHI	2:35:00	2.679201
AREA9_100YR_3HRCHI	2:36:00	2.715604
AREA9_100YR_3HRCHI	2:37:00	2.751764
AREA9_100YR_3HRCHI	2:38:00	2.787672
AREA9_100YR_3HRCHI	2:39:00	2.823321
AREA9_100YR_3HRCHI	2:40:00	2.858707
AREA9_100YR_3HRCHI	2:41:00	2.89382
AREA9_100YR_3HRCHI	2:42:00	2.92866
AREA9_100YR_3HRCHI	2:43:00	2.963219
AREA9_100YR_3HRCHI	2:44:00	2.997488
AREA9_100YR_3HRCHI	2:45:00	3.031468
AREA9_100YR_3HRCHI	2:46:00	3.065152
AREA9_100YR_3HRCHI	2:47:00	3.098533
AREA9_100YR_3HRCHI	2:48:00	3.131607
AREA9_100YR_3HRCHI	2:49:00	3.164371
AREA9_100YR_3HRCHI	2:50:00	3.196823
AREA9_100YR_3HRCHI	2:51:00	3.228956
AREA9_100YR_3HRCHI	2:52:00	3.260768
AREA9_100YR_3HRCHI	2:53:00	3.292256
AREA9_100YR_3HRCHI	2:54:00	3.323414
AREA9_100YR_3HRCHI	2:55:00	3.354241
AREA9_100YR_3HRCHI	2:56:00	3.384732
AREA9_100YR_3HRCHI	2:57:00	3.414886
AREA9_100YR_3HRCHI	2:58:00	3.444702
AREA9_100YR_3HRCHI	2:59:00	3.474173
AREA9_100YR_3HRCHI	3:00:00	3.503298
AREA9_100YR_3HRCHI	3:01:00	3.532077
AREA9_100YR_3HRCHI	3:02:00	3.560507
AREA9_100YR_3HRCHI	3:03:00	3.588586
AREA9_100YR_3HRCHI	3:04:00	3.616311
AREA9_100YR_3HRCHI	3:05:00	3.643681

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	3:06:00	3.670695
AREA9_100YR_3HRCHI	3:07:00	3.69735
AREA9_100YR_3HRCHI	3:08:00	3.723649
AREA9_100YR_3HRCHI	3:09:00	3.749585
AREA9_100YR_3HRCHI	3:10:00	3.775161
AREA9_100YR_3HRCHI	3:11:00	3.800374
AREA9_100YR_3HRCHI	3:12:00	3.825227
AREA9_100YR_3HRCHI	3:13:00	3.849705
AREA9_100YR_3HRCHI	3:14:00	3.873808
AREA9_100YR_3HRCHI	3:15:00	3.897537
AREA9_100YR_3HRCHI	3:16:00	3.920879
AREA9_100YR_3HRCHI	3:17:00	3.943835
AREA9_100YR_3HRCHI	3:18:00	3.966398
AREA9_100YR_3HRCHI	3:19:00	3.988574
AREA9_100YR_3HRCHI	3:20:00	4.010345
AREA9_100YR_3HRCHI	3:21:00	4.03172
AREA9_100YR_3HRCHI	3:22:00	4.052693
AREA9_100YR_3HRCHI	3:23:00	4.073258
AREA9_100YR_3HRCHI	3:24:00	4.093419
AREA9_100YR_3HRCHI	3:25:00	4.113173
AREA9_100YR_3HRCHI	3:26:00	4.132514
AREA9_100YR_3HRCHI	3:27:00	4.151443
AREA9_100YR_3HRCHI	3:28:00	4.16996
AREA9_100YR_3HRCHI	3:29:00	4.188063
AREA9_100YR_3HRCHI	3:30:00	4.20575
AREA9_100YR_3HRCHI	3:31:00	4.223021
AREA9_100YR_3HRCHI	3:32:00	4.239873
AREA9_100YR_3HRCHI	3:33:00	4.256312
AREA9_100YR_3HRCHI	3:34:00	4.272334
AREA9_100YR_3HRCHI	3:35:00	4.287939
AREA9_100YR_3HRCHI	3:36:00	4.303128
AREA9_100YR_3HRCHI	3:37:00	4.3179
AREA9_100YR_3HRCHI	3:38:00	4.332254
AREA9_100YR_3HRCHI	3:39:00	4.346194
AREA9_100YR_3HRCHI	3:40:00	4.359719
AREA9_100YR_3HRCHI	3:41:00	4.372833
AREA9_100YR_3HRCHI	3:42:00	4.385531
AREA9_100YR_3HRCHI	3:43:00	4.397821
AREA9_100YR_3HRCHI	3:44:00	4.409697
AREA9_100YR_3HRCHI	3:45:00	4.421167
AREA9_100YR_3HRCHI	3:46:00	4.432229
AREA9_100YR_3HRCHI	3:47:00	4.442883
AREA9_100YR_3HRCHI	3:48:00	4.453138
AREA9_100YR_3HRCHI	3:49:00	4.462985
AREA9_100YR_3HRCHI	3:50:00	4.472432
AREA9_100YR_3HRCHI	3:51:00	4.481485
AREA9_100YR_3HRCHI	3:52:00	4.490138
AREA9_100YR_3HRCHI	3:53:00	4.4984
AREA9_100YR_3HRCHI	3:54:00	4.506268
AREA9_100YR_3HRCHI	3:55:00	4.513744
AREA9_100YR_3HRCHI	3:56:00	4.520837
AREA9_100YR_3HRCHI	3:57:00	4.527544
AREA9_100YR_3HRCHI	3:58:00	4.533871
AREA9_100YR_3HRCHI	3:59:00	4.539815
AREA9_100YR_3HRCHI	4:00:00	4.545384
AREA9_100YR_3HRCHI	4:01:00	4.550581
AREA9_100YR_3HRCHI	4:02:00	4.5554
AREA9_100YR_3HRCHI	4:03:00	4.559856
AREA9_100YR_3HRCHI	4:04:00	4.563948
AREA9_100YR_3HRCHI	4:05:00	4.567673
AREA9_100YR_3HRCHI	4:06:00	4.571041
AREA9_100YR_3HRCHI	4:07:00	4.574052
AREA9_100YR_3HRCHI	4:08:00	4.576708
AREA9_100YR_3HRCHI	4:09:00	4.579018
AREA9_100YR_3HRCHI	4:10:00	4.580979
AREA9_100YR_3HRCHI	4:11:00	4.582598



post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	4:12:00	4.58387
AREA9_100YR_3HRCHI	4:13:00	4.584811
AREA9_100YR_3HRCHI	4:14:00	4.585416
AREA9_100YR_3HRCHI	4:15:00	4.585691
AREA9_100YR_3HRCHI	4:16:00	4.585641
AREA9_100YR_3HRCHI	4:17:00	4.585263
AREA9_100YR_3HRCHI	4:18:00	4.584566
AREA9_100YR_3HRCHI	4:19:00	4.583551
AREA9_100YR_3HRCHI	4:20:00	4.582224
AREA9_100YR_3HRCHI	4:21:00	4.580591
AREA9_100YR_3HRCHI	4:22:00	4.578646
AREA9_100YR_3HRCHI	4:23:00	4.576399
AREA9_100YR_3HRCHI	4:24:00	4.573853
AREA9_100YR_3HRCHI	4:25:00	4.571011
AREA9_100YR_3HRCHI	4:26:00	4.567874
AREA9_100YR_3HRCHI	4:27:00	4.564453
AREA9_100YR_3HRCHI	4:28:00	4.560747
AREA9_100YR_3HRCHI	4:29:00	4.556759
AREA9_100YR_3HRCHI	4:30:00	4.552488
AREA9_100YR_3HRCHI	4:31:00	4.547946
AREA9_100YR_3HRCHI	4:32:00	4.543133
AREA9_100YR_3HRCHI	4:33:00	4.538052
AREA9_100YR_3HRCHI	4:34:00	4.532707
AREA9_100YR_3HRCHI	4:35:00	4.527102
AREA9_100YR_3HRCHI	4:36:00	4.521241
AREA9_100YR_3HRCHI	4:37:00	4.515128
AREA9_100YR_3HRCHI	4:38:00	4.50876
AREA9_100YR_3HRCHI	4:39:00	4.50215
AREA9_100YR_3HRCHI	4:40:00	4.495296
AREA9_100YR_3HRCHI	4:41:00	4.488206
AREA9_100YR_3HRCHI	4:42:00	4.480879
AREA9_100YR_3HRCHI	4:43:00	4.473322
AREA9_100YR_3HRCHI	4:44:00	4.465533
AREA9_100YR_3HRCHI	4:45:00	4.457519
AREA9_100YR_3HRCHI	4:46:00	4.449286
AREA9_100YR_3HRCHI	4:47:00	4.440836
AREA9_100YR_3HRCHI	4:48:00	4.43217
AREA9_100YR_3HRCHI	4:49:00	4.423293
AREA9_100YR_3HRCHI	4:50:00	4.414212
AREA9_100YR_3HRCHI	4:51:00	4.404922
AREA9_100YR_3HRCHI	4:52:00	4.395431
AREA9_100YR_3HRCHI	4:53:00	4.385748
AREA9_100YR_3HRCHI	4:54:00	4.375869
AREA9_100YR_3HRCHI	4:55:00	4.365799
AREA9_100YR_3HRCHI	4:56:00	4.355542
AREA9_100YR_3HRCHI	4:57:00	4.345098
AREA9_100YR_3HRCHI	4:58:00	4.334478
AREA9_100YR_3HRCHI	4:59:00	4.323679
AREA9_100YR_3HRCHI	5:00:00	4.312706
AREA9_100YR_3HRCHI	5:01:00	4.301561
AREA9_100YR_3HRCHI	5:02:00	4.29025
AREA9_100YR_3HRCHI	5:03:00	4.278775
AREA9_100YR_3HRCHI	5:04:00	4.267138
AREA9_100YR_3HRCHI	5:05:00	4.255344
AREA9_100YR_3HRCHI	5:06:00	4.243395
AREA9_100YR_3HRCHI	5:07:00	4.231293
AREA9_100YR_3HRCHI	5:08:00	4.219043
AREA9_100YR_3HRCHI	5:09:00	4.206647
AREA9_100YR_3HRCHI	5:10:00	4.194109
AREA9_100YR_3HRCHI	5:11:00	4.181432
AREA9_100YR_3HRCHI	5:12:00	4.168617
AREA9_100YR_3HRCHI	5:13:00	4.155672
AREA9_100YR_3HRCHI	5:14:00	4.142591
AREA9_100YR_3HRCHI	5:15:00	4.129388
AREA9_100YR_3HRCHI	5:16:00	4.116055
AREA9_100YR_3HRCHI	5:17:00	4.102603

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	5:18:00	4.089035
AREA9_100YR_3HRCHI	5:19:00	4.075345
AREA9_100YR_3HRCHI	5:20:00	4.061545
AREA9_100YR_3HRCHI	5:21:00	4.047633
AREA9_100YR_3HRCHI	5:22:00	4.033614
AREA9_100YR_3HRCHI	5:23:00	4.01949
AREA9_100YR_3HRCHI	5:24:00	4.005264
AREA9_100YR_3HRCHI	5:25:00	3.990936
AREA9_100YR_3HRCHI	5:26:00	3.976514
AREA9_100YR_3HRCHI	5:27:00	3.961997
AREA9_100YR_3HRCHI	5:28:00	3.947387
AREA9_100YR_3HRCHI	5:29:00	3.932688
AREA9_100YR_3HRCHI	5:30:00	3.917904
AREA9_100YR_3HRCHI	5:31:00	3.903032
AREA9_100YR_3HRCHI	5:32:00	3.888079
AREA9_100YR_3HRCHI	5:33:00	3.873049
AREA9_100YR_3HRCHI	5:34:00	3.857942
AREA9_100YR_3HRCHI	5:35:00	3.84276
AREA9_100YR_3HRCHI	5:36:00	3.827507
AREA9_100YR_3HRCHI	5:37:00	3.812184
AREA9_100YR_3HRCHI	5:38:00	3.796792
AREA9_100YR_3HRCHI	5:39:00	3.781336
AREA9_100YR_3HRCHI	5:40:00	3.765817
AREA9_100YR_3HRCHI	5:41:00	3.750237
AREA9_100YR_3HRCHI	5:42:00	3.734601
AREA9_100YR_3HRCHI	5:43:00	3.718907
AREA9_100YR_3HRCHI	5:44:00	3.703161
AREA9_100YR_3HRCHI	5:45:00	3.687361
AREA9_100YR_3HRCHI	5:46:00	3.671513
AREA9_100YR_3HRCHI	5:47:00	3.655617
AREA9_100YR_3HRCHI	5:48:00	3.639675
AREA9_100YR_3HRCHI	5:49:00	3.62369
AREA9_100YR_3HRCHI	5:50:00	3.607664
AREA9_100YR_3HRCHI	5:51:00	3.591599
AREA9_100YR_3HRCHI	5:52:00	3.575497
AREA9_100YR_3HRCHI	5:53:00	3.559358
AREA9_100YR_3HRCHI	5:54:00	3.543187
AREA9_100YR_3HRCHI	5:55:00	3.526985
AREA9_100YR_3HRCHI	5:56:00	3.510752
AREA9_100YR_3HRCHI	5:57:00	3.494491
AREA9_100YR_3HRCHI	5:58:00	3.478206
AREA9_100YR_3HRCHI	5:59:00	3.461895
AREA9_100YR_3HRCHI	6:00:00	3.445561
AREA9_100YR_3HRCHI	6:01:00	3.429207
AREA9_100YR_3HRCHI	6:02:00	3.412834
AREA9_100YR_3HRCHI	6:03:00	3.396444
AREA9_100YR_3HRCHI	6:04:00	3.380039
AREA9_100YR_3HRCHI	6:05:00	3.36362
AREA9_100YR_3HRCHI	6:06:00	3.347189
AREA9_100YR_3HRCHI	6:07:00	3.330746
AREA9_100YR_3HRCHI	6:08:00	3.314296
AREA9_100YR_3HRCHI	6:09:00	3.297836
AREA9_100YR_3HRCHI	6:10:00	3.281372
AREA9_100YR_3HRCHI	6:11:00	3.264902
AREA9_100YR_3HRCHI	6:12:00	3.248432
AREA9_100YR_3HRCHI	6:13:00	3.231956
AREA9_100YR_3HRCHI	6:14:00	3.215482
AREA9_100YR_3HRCHI	6:15:00	3.199011
AREA9_100YR_3HRCHI	6:16:00	3.182542
AREA9_100YR_3HRCHI	6:17:00	3.166076
AREA9_100YR_3HRCHI	6:18:00	3.149617
AREA9_100YR_3HRCHI	6:19:00	3.133164
AREA9_100YR_3HRCHI	6:20:00	3.116721
AREA9_100YR_3HRCHI	6:21:00	3.100284
AREA9_100YR_3HRCHI	6:22:00	3.083861
AREA9_100YR_3HRCHI	6:23:00	3.067449

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	6:24:00	3.05105
AREA9_100YR_3HRCHI	6:25:00	3.034666
AREA9_100YR_3HRCHI	6:26:00	3.018296
AREA9_100YR_3HRCHI	6:27:00	3.001944
AREA9_100YR_3HRCHI	6:28:00	2.985613
AREA9_100YR_3HRCHI	6:29:00	2.969296
AREA9_100YR_3HRCHI	6:30:00	2.953003
AREA9_100YR_3HRCHI	6:31:00	2.936731
AREA9_100YR_3HRCHI	6:32:00	2.92048
AREA9_100YR_3HRCHI	6:33:00	2.904253
AREA9_100YR_3HRCHI	6:34:00	2.888052
AREA9_100YR_3HRCHI	6:35:00	2.871874
AREA9_100YR_3HRCHI	6:36:00	2.855724
AREA9_100YR_3HRCHI	6:37:00	2.839603
AREA9_100YR_3HRCHI	6:38:00	2.823507
AREA9_100YR_3HRCHI	6:39:00	2.807444
AREA9_100YR_3HRCHI	6:40:00	2.791409
AREA9_100YR_3HRCHI	6:41:00	2.775407
AREA9_100YR_3HRCHI	6:42:00	2.759435
AREA9_100YR_3HRCHI	6:43:00	2.7435
AREA9_100YR_3HRCHI	6:44:00	2.727597
AREA9_100YR_3HRCHI	6:45:00	2.711728
AREA9_100YR_3HRCHI	6:46:00	2.695893
AREA9_100YR_3HRCHI	6:47:00	2.680098
AREA9_100YR_3HRCHI	6:48:00	2.664338
AREA9_100YR_3HRCHI	6:49:00	2.648617
AREA9_100YR_3HRCHI	6:50:00	2.632935
AREA9_100YR_3HRCHI	6:51:00	2.61729
AREA9_100YR_3HRCHI	6:52:00	2.601689
AREA9_100YR_3HRCHI	6:53:00	2.586126
AREA9_100YR_3HRCHI	6:54:00	2.570606
AREA9_100YR_3HRCHI	6:55:00	2.555128
AREA9_100YR_3HRCHI	6:56:00	2.539694
AREA9_100YR_3HRCHI	6:57:00	2.524302
AREA9_100YR_3HRCHI	6:58:00	2.508956
AREA9_100YR_3HRCHI	6:59:00	2.493653
AREA9_100YR_3HRCHI	7:00:00	2.478396
AREA9_100YR_3HRCHI	7:01:00	2.463186
AREA9_100YR_3HRCHI	7:02:00	2.448021
AREA9_100YR_3HRCHI	7:03:00	2.432905
AREA9_100YR_3HRCHI	7:04:00	2.417838
AREA9_100YR_3HRCHI	7:05:00	2.402817
AREA9_100YR_3HRCHI	7:06:00	2.387845
AREA9_100YR_3HRCHI	7:07:00	2.372923
AREA9_100YR_3HRCHI	7:08:00	2.358052
AREA9_100YR_3HRCHI	7:09:00	2.343229
AREA9_100YR_3HRCHI	7:10:00	2.32846
AREA9_100YR_3HRCHI	7:11:00	2.31374
AREA9_100YR_3HRCHI	7:12:00	2.299071
AREA9_100YR_3HRCHI	7:13:00	2.284455
AREA9_100YR_3HRCHI	7:14:00	2.269893
AREA9_100YR_3HRCHI	7:15:00	2.255382
AREA9_100YR_3HRCHI	7:16:00	2.240926
AREA9_100YR_3HRCHI	7:17:00	2.226523
AREA9_100YR_3HRCHI	7:18:00	2.212174
AREA9_100YR_3HRCHI	7:19:00	2.197882
AREA9_100YR_3HRCHI	7:20:00	2.183641
AREA9_100YR_3HRCHI	7:21:00	2.169458
AREA9_100YR_3HRCHI	7:22:00	2.15533
AREA9_100YR_3HRCHI	7:23:00	2.141257
AREA9_100YR_3HRCHI	7:24:00	2.127241
AREA9_100YR_3HRCHI	7:25:00	2.113281
AREA9_100YR_3HRCHI	7:26:00	2.099379
AREA9_100YR_3HRCHI	7:27:00	2.085533
AREA9_100YR_3HRCHI	7:28:00	2.071745
AREA9_100YR_3HRCHI	7:29:00	2.058015

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	7:30:00	2.044341
AREA9_100YR_3HRCHI	7:31:00	2.030727
AREA9_100YR_3HRCHI	7:32:00	2.017171
AREA9_100YR_3HRCHI	7:33:00	2.003673
AREA9_100YR_3HRCHI	7:34:00	1.990234
AREA9_100YR_3HRCHI	7:35:00	1.976853
AREA9_100YR_3HRCHI	7:36:00	1.963533
AREA9_100YR_3HRCHI	7:37:00	1.95027
AREA9_100YR_3HRCHI	7:38:00	1.937069
AREA9_100YR_3HRCHI	7:39:00	1.923926
AREA9_100YR_3HRCHI	7:40:00	1.910844
AREA9_100YR_3HRCHI	7:41:00	1.897822
AREA9_100YR_3HRCHI	7:42:00	1.884859
AREA9_100YR_3HRCHI	7:43:00	1.871956
AREA9_100YR_3HRCHI	7:44:00	1.859116
AREA9_100YR_3HRCHI	7:45:00	1.846334
AREA9_100YR_3HRCHI	7:46:00	1.833613
AREA9_100YR_3HRCHI	7:47:00	1.820955
AREA9_100YR_3HRCHI	7:48:00	1.808355
AREA9_100YR_3HRCHI	7:49:00	1.795817
AREA9_100YR_3HRCHI	7:50:00	1.78334
AREA9_100YR_3HRCHI	7:51:00	1.770924
AREA9_100YR_3HRCHI	7:52:00	1.758569
AREA9_100YR_3HRCHI	7:53:00	1.746276
AREA9_100YR_3HRCHI	7:54:00	1.734043
AREA9_100YR_3HRCHI	7:55:00	1.721872
AREA9_100YR_3HRCHI	7:56:00	1.709763
AREA9_100YR_3HRCHI	7:57:00	1.697714
AREA9_100YR_3HRCHI	7:58:00	1.685727
AREA9_100YR_3HRCHI	7:59:00	1.673802
AREA9_100YR_3HRCHI	8:00:00	1.661937
AREA9_100YR_3HRCHI	8:01:00	1.650135
AREA9_100YR_3HRCHI	8:02:00	1.638394
AREA9_100YR_3HRCHI	8:03:00	1.626714
AREA9_100YR_3HRCHI	8:04:00	1.615096
AREA9_100YR_3HRCHI	8:05:00	1.603539
AREA9_100YR_3HRCHI	8:06:00	1.592043
AREA9_100YR_3HRCHI	8:07:00	1.580609
AREA9_100YR_3HRCHI	8:08:00	1.569237
AREA9_100YR_3HRCHI	8:09:00	1.557925
AREA9_100YR_3HRCHI	8:10:00	1.546674
AREA9_100YR_3HRCHI	8:11:00	1.535485
AREA9_100YR_3HRCHI	8:12:00	1.524358
AREA9_100YR_3HRCHI	8:13:00	1.513291
AREA9_100YR_3HRCHI	8:14:00	1.502285
AREA9_100YR_3HRCHI	8:15:00	1.49134
AREA9_100YR_3HRCHI	8:16:00	1.480456
AREA9_100YR_3HRCHI	8:17:00	1.469633
AREA9_100YR_3HRCHI	8:18:00	1.458871
AREA9_100YR_3HRCHI	8:19:00	1.448168
AREA9_100YR_3HRCHI	8:20:00	1.437528
AREA9_100YR_3HRCHI	8:21:00	1.426947
AREA9_100YR_3HRCHI	8:22:00	1.416427
AREA9_100YR_3HRCHI	8:23:00	1.405967
AREA9_100YR_3HRCHI	8:24:00	1.395567
AREA9_100YR_3HRCHI	8:25:00	1.385227
AREA9_100YR_3HRCHI	8:26:00	1.374947
AREA9_100YR_3HRCHI	8:27:00	1.364727
AREA9_100YR_3HRCHI	8:28:00	1.354567
AREA9_100YR_3HRCHI	8:29:00	1.344466
AREA9_100YR_3HRCHI	8:30:00	1.334425
AREA9_100YR_3HRCHI	8:31:00	1.324443
AREA9_100YR_3HRCHI	8:32:00	1.31452
AREA9_100YR_3HRCHI	8:33:00	1.304656
AREA9_100YR_3HRCHI	8:34:00	1.294851
AREA9_100YR_3HRCHI	8:35:00	1.285105

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	8:36:00	1.275418
AREA9_100YR_3HRCHI	8:37:00	1.265789
AREA9_100YR_3HRCHI	8:38:00	1.256218
AREA9_100YR_3HRCHI	8:39:00	1.246705
AREA9_100YR_3HRCHI	8:40:00	1.237251
AREA9_100YR_3HRCHI	8:41:00	1.227855
AREA9_100YR_3HRCHI	8:42:00	1.218515
AREA9_100YR_3HRCHI	8:43:00	1.209234
AREA9_100YR_3HRCHI	8:44:00	1.20001
AREA9_100YR_3HRCHI	8:45:00	1.190843
AREA9_100YR_3HRCHI	8:46:00	1.181734
AREA9_100YR_3HRCHI	8:47:00	1.17268
AREA9_100YR_3HRCHI	8:48:00	1.163684
AREA9_100YR_3HRCHI	8:49:00	1.154743
AREA9_100YR_3HRCHI	8:50:00	1.14586
AREA9_100YR_3HRCHI	8:51:00	1.137033
AREA9_100YR_3HRCHI	8:52:00	1.128261
AREA9_100YR_3HRCHI	8:53:00	1.119545
AREA9_100YR_3HRCHI	8:54:00	1.110884
AREA9_100YR_3HRCHI	8:55:00	1.10228
AREA9_100YR_3HRCHI	8:56:00	1.09373
AREA9_100YR_3HRCHI	8:57:00	1.085235
AREA9_100YR_3HRCHI	8:58:00	1.076794
AREA9_100YR_3HRCHI	8:59:00	1.068409
AREA9_100YR_3HRCHI	9:00:00	1.060077
AREA9_100YR_3HRCHI	9:01:00	1.0518
AREA9_100YR_3HRCHI	9:02:00	1.043576
AREA9_100YR_3HRCHI	9:03:00	1.035407
AREA9_100YR_3HRCHI	9:04:00	1.027291
AREA9_100YR_3HRCHI	9:05:00	1.019228
AREA9_100YR_3HRCHI	9:06:00	1.011219
AREA9_100YR_3HRCHI	9:07:00	1.003261
AREA9_100YR_3HRCHI	9:08:00	0.995358
AREA9_100YR_3HRCHI	9:09:00	0.987506
AREA9_100YR_3HRCHI	9:10:00	0.979706
AREA9_100YR_3HRCHI	9:11:00	0.971959
AREA9_100YR_3HRCHI	9:12:00	0.964264
AREA9_100YR_3HRCHI	9:13:00	0.95662
AREA9_100YR_3HRCHI	9:14:00	0.949028
AREA9_100YR_3HRCHI	9:15:00	0.941486
AREA9_100YR_3HRCHI	9:16:00	0.933996
AREA9_100YR_3HRCHI	9:17:00	0.926555
AREA9_100YR_3HRCHI	9:18:00	0.919167
AREA9_100YR_3HRCHI	9:19:00	0.911827
AREA9_100YR_3HRCHI	9:20:00	0.904539
AREA9_100YR_3HRCHI	9:21:00	0.897299
AREA9_100YR_3HRCHI	9:22:00	0.89011
AREA9_100YR_3HRCHI	9:23:00	0.88297
AREA9_100YR_3HRCHI	9:24:00	0.875878
AREA9_100YR_3HRCHI	9:25:00	0.868836
AREA9_100YR_3HRCHI	9:26:00	0.861843
AREA9_100YR_3HRCHI	9:27:00	0.854897
AREA9_100YR_3HRCHI	9:28:00	0.848
AREA9_100YR_3HRCHI	9:29:00	0.841152
AREA9_100YR_3HRCHI	9:30:00	0.83435
AREA9_100YR_3HRCHI	9:31:00	0.827597
AREA9_100YR_3HRCHI	9:32:00	0.82089
AREA9_100YR_3HRCHI	9:33:00	0.814231
AREA9_100YR_3HRCHI	9:34:00	0.807618
AREA9_100YR_3HRCHI	9:35:00	0.801052
AREA9_100YR_3HRCHI	9:36:00	0.794533
AREA9_100YR_3HRCHI	9:37:00	0.788059
AREA9_100YR_3HRCHI	9:38:00	0.781631
AREA9_100YR_3HRCHI	9:39:00	0.77525
AREA9_100YR_3HRCHI	9:40:00	0.768913
AREA9_100YR_3HRCHI	9:41:00	0.762622

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	9:42:00	0.756375
AREA9_100YR_3HRCHI	9:43:00	0.750174
AREA9_100YR_3HRCHI	9:44:00	0.744016
AREA9_100YR_3HRCHI	9:45:00	0.737903
AREA9_100YR_3HRCHI	9:46:00	0.731835
AREA9_100YR_3HRCHI	9:47:00	0.725809
AREA9_100YR_3HRCHI	9:48:00	0.719828
AREA9_100YR_3HRCHI	9:49:00	0.713889
AREA9_100YR_3HRCHI	9:50:00	0.707994
AREA9_100YR_3HRCHI	9:51:00	0.702141
AREA9_100YR_3HRCHI	9:52:00	0.696331
AREA9_100YR_3HRCHI	9:53:00	0.690564
AREA9_100YR_3HRCHI	9:54:00	0.684839
AREA9_100YR_3HRCHI	9:55:00	0.679155
AREA9_100YR_3HRCHI	9:56:00	0.673514
AREA9_100YR_3HRCHI	9:57:00	0.667913
AREA9_100YR_3HRCHI	9:58:00	0.662354
AREA9_100YR_3HRCHI	9:59:00	0.656836
AREA9_100YR_3HRCHI	10:00:00	0.651358
AREA9_100YR_3HRCHI	10:01:00	0.645922
AREA9_100YR_3HRCHI	10:02:00	0.640525
AREA9_100YR_3HRCHI	10:03:00	0.635169
AREA9_100YR_3HRCHI	10:04:00	0.629852
AREA9_100YR_3HRCHI	10:05:00	0.624574
AREA9_100YR_3HRCHI	10:06:00	0.619337
AREA9_100YR_3HRCHI	10:07:00	0.614138
AREA9_100YR_3HRCHI	10:08:00	0.608979
AREA9_100YR_3HRCHI	10:09:00	0.603857
AREA9_100YR_3HRCHI	10:10:00	0.598774
AREA9_100YR_3HRCHI	10:11:00	0.59373
AREA9_100YR_3HRCHI	10:12:00	0.588723
AREA9_100YR_3HRCHI	10:13:00	0.583755
AREA9_100YR_3HRCHI	10:14:00	0.578824
AREA9_100YR_3HRCHI	10:15:00	0.57393
AREA9_100YR_3HRCHI	10:16:00	0.569073
AREA9_100YR_3HRCHI	10:17:00	0.564253
AREA9_100YR_3HRCHI	10:18:00	0.55947
AREA9_100YR_3HRCHI	10:19:00	0.554723
AREA9_100YR_3HRCHI	10:20:00	0.550012
AREA9_100YR_3HRCHI	10:21:00	0.545337
AREA9_100YR_3HRCHI	10:22:00	0.540699
AREA9_100YR_3HRCHI	10:23:00	0.536095
AREA9_100YR_3HRCHI	10:24:00	0.531527
AREA9_100YR_3HRCHI	10:25:00	0.526994
AREA9_100YR_3HRCHI	10:26:00	0.522496
AREA9_100YR_3HRCHI	10:27:00	0.518032
AREA9_100YR_3HRCHI	10:28:00	0.513603
AREA9_100YR_3HRCHI	10:29:00	0.509208
AREA9_100YR_3HRCHI	10:30:00	0.504847
AREA9_100YR_3HRCHI	10:31:00	0.50052
AREA9_100YR_3HRCHI	10:32:00	0.496227
AREA9_100YR_3HRCHI	10:33:00	0.491966
AREA9_100YR_3HRCHI	10:34:00	0.487739
AREA9_100YR_3HRCHI	10:35:00	0.483545
AREA9_100YR_3HRCHI	10:36:00	0.479384
AREA9_100YR_3HRCHI	10:37:00	0.475255
AREA9_100YR_3HRCHI	10:38:00	0.471158
AREA9_100YR_3HRCHI	10:39:00	0.467094
AREA9_100YR_3HRCHI	10:40:00	0.463061
AREA9_100YR_3HRCHI	10:41:00	0.45906
AREA9_100YR_3HRCHI	10:42:00	0.45509
AREA9_100YR_3HRCHI	10:43:00	0.451152
AREA9_100YR_3HRCHI	10:44:00	0.447245
AREA9_100YR_3HRCHI	10:45:00	0.443368
AREA9_100YR_3HRCHI	10:46:00	0.439523
AREA9_100YR_3HRCHI	10:47:00	0.435707

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	10:48:00	0.431922
AREA9_100YR_3HRCHI	10:49:00	0.428167
AREA9_100YR_3HRCHI	10:50:00	0.424442
AREA9_100YR_3HRCHI	10:51:00	0.420746
AREA9_100YR_3HRCHI	10:52:00	0.41708
AREA9_100YR_3HRCHI	10:53:00	0.413443
AREA9_100YR_3HRCHI	10:54:00	0.409835
AREA9_100YR_3HRCHI	10:55:00	0.406256
AREA9_100YR_3HRCHI	10:56:00	0.402705
AREA9_100YR_3HRCHI	10:57:00	0.399183
AREA9_100YR_3HRCHI	10:58:00	0.39569
AREA9_100YR_3HRCHI	10:59:00	0.392224
AREA9_100YR_3HRCHI	11:00:00	0.388786
AREA9_100YR_3HRCHI	11:01:00	0.385376
AREA9_100YR_3HRCHI	11:02:00	0.381993
AREA9_100YR_3HRCHI	11:03:00	0.378637
AREA9_100YR_3HRCHI	11:04:00	0.375309
AREA9_100YR_3HRCHI	11:05:00	0.372008
AREA9_100YR_3HRCHI	11:06:00	0.368733
AREA9_100YR_3HRCHI	11:07:00	0.365485
AREA9_100YR_3HRCHI	11:08:00	0.362263
AREA9_100YR_3HRCHI	11:09:00	0.359067
AREA9_100YR_3HRCHI	11:10:00	0.355898
AREA9_100YR_3HRCHI	11:11:00	0.352754
AREA9_100YR_3HRCHI	11:12:00	0.349636
AREA9_100YR_3HRCHI	11:13:00	0.346543
AREA9_100YR_3HRCHI	11:14:00	0.343475
AREA9_100YR_3HRCHI	11:15:00	0.340433
AREA9_100YR_3HRCHI	11:16:00	0.337415
AREA9_100YR_3HRCHI	11:17:00	0.334423
AREA9_100YR_3HRCHI	11:18:00	0.331454
AREA9_100YR_3HRCHI	11:19:00	0.328511
AREA9_100YR_3HRCHI	11:20:00	0.325591
AREA9_100YR_3HRCHI	11:21:00	0.322695
AREA9_100YR_3HRCHI	11:22:00	0.319823
AREA9_100YR_3HRCHI	11:23:00	0.316975
AREA9_100YR_3HRCHI	11:24:00	0.314151
AREA9_100YR_3HRCHI	11:25:00	0.311349
AREA9_100YR_3HRCHI	11:26:00	0.308571
AREA9_100YR_3HRCHI	11:27:00	0.305816
AREA9_100YR_3HRCHI	11:28:00	0.303084
AREA9_100YR_3HRCHI	11:29:00	0.300374
AREA9_100YR_3HRCHI	11:30:00	0.297687
AREA9_100YR_3HRCHI	11:31:00	0.295023
AREA9_100YR_3HRCHI	11:32:00	0.29238
AREA9_100YR_3HRCHI	11:33:00	0.289759
AREA9_100YR_3HRCHI	11:34:00	0.287161
AREA9_100YR_3HRCHI	11:35:00	0.284584
AREA9_100YR_3HRCHI	11:36:00	0.282028
AREA9_100YR_3HRCHI	11:37:00	0.279494
AREA9_100YR_3HRCHI	11:38:00	0.276981
AREA9_100YR_3HRCHI	11:39:00	0.274489
AREA9_100YR_3HRCHI	11:40:00	0.272018
AREA9_100YR_3HRCHI	11:41:00	0.269568
AREA9_100YR_3HRCHI	11:42:00	0.267138
AREA9_100YR_3HRCHI	11:43:00	0.264729
AREA9_100YR_3HRCHI	11:44:00	0.262339
AREA9_100YR_3HRCHI	11:45:00	0.259968
AREA9_100YR_3HRCHI	11:46:00	0.257614
AREA9_100YR_3HRCHI	11:47:00	0.255279
AREA9_100YR_3HRCHI	11:48:00	0.252962
AREA9_100YR_3HRCHI	11:49:00	0.250663
AREA9_100YR_3HRCHI	11:50:00	0.248377
AREA9_100YR_3HRCHI	11:51:00	0.246107
AREA9_100YR_3HRCHI	11:52:00	0.243854
AREA9_100YR_3HRCHI	11:53:00	0.241616

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	11:54:00	0.239395
AREA9_100YR_3HRCHI	11:55:00	0.237189
AREA9_100YR_3HRCHI	11:56:00	0.235
AREA9_100YR_3HRCHI	11:57:00	0.232826
AREA9_100YR_3HRCHI	11:58:00	0.230667
AREA9_100YR_3HRCHI	11:59:00	0.228525
AREA9_100YR_3HRCHI	12:00:00	0.22637
AREA9_100YR_3HRCHI	12:01:00	0.224226
AREA9_100YR_3HRCHI	12:02:00	0.222094
AREA9_100YR_3HRCHI	12:03:00	0.219973
AREA9_100YR_3HRCHI	12:04:00	0.217864
AREA9_100YR_3HRCHI	12:05:00	0.215766
AREA9_100YR_3HRCHI	12:06:00	0.213679
AREA9_100YR_3HRCHI	12:07:00	0.211604
AREA9_100YR_3HRCHI	12:08:00	0.20954
AREA9_100YR_3HRCHI	12:09:00	0.207487
AREA9_100YR_3HRCHI	12:10:00	0.205214
AREA9_100YR_3HRCHI	12:11:00	0.202921
AREA9_100YR_3HRCHI	12:12:00	0.200607
AREA9_100YR_3HRCHI	12:13:00	0.198275
AREA9_100YR_3HRCHI	12:14:00	0.195926
AREA9_100YR_3HRCHI	12:15:00	0.19356
AREA9_100YR_3HRCHI	12:16:00	0.191179
AREA9_100YR_3HRCHI	12:17:00	0.188784
AREA9_100YR_3HRCHI	12:18:00	0.186377
AREA9_100YR_3HRCHI	12:19:00	0.183957
AREA9_100YR_3HRCHI	12:20:00	0.1788
AREA9_100YR_3HRCHI	12:21:00	0.173126
AREA9_100YR_3HRCHI	12:22:00	0.166995
AREA9_100YR_3HRCHI	12:23:00	0.16046
AREA9_100YR_3HRCHI	12:24:00	0.153564
AREA9_100YR_3HRCHI	12:25:00	0.14635
AREA9_100YR_3HRCHI	12:26:00	0.138853
AREA9_100YR_3HRCHI	12:27:00	0.131104
AREA9_100YR_3HRCHI	12:28:00	0.123133
AREA9_100YR_3HRCHI	12:29:00	0.114964
AREA9_100YR_3HRCHI	12:30:00	0.111729
AREA9_100YR_3HRCHI	12:31:00	0.108501
AREA9_100YR_3HRCHI	12:32:00	0.10528
AREA9_100YR_3HRCHI	12:33:00	0.102068
AREA9_100YR_3HRCHI	12:34:00	0.098865
AREA9_100YR_3HRCHI	12:35:00	0.09567
AREA9_100YR_3HRCHI	12:36:00	0.092485
AREA9_100YR_3HRCHI	12:37:00	0.08931
AREA9_100YR_3HRCHI	12:38:00	0.086145
AREA9_100YR_3HRCHI	12:39:00	0.08299
AREA9_100YR_3HRCHI	12:40:00	0.081027
AREA9_100YR_3HRCHI	12:41:00	0.079077
AREA9_100YR_3HRCHI	12:42:00	0.077141
AREA9_100YR_3HRCHI	12:43:00	0.075217
AREA9_100YR_3HRCHI	12:44:00	0.073307
AREA9_100YR_3HRCHI	12:45:00	0.07141
AREA9_100YR_3HRCHI	12:46:00	0.069525
AREA9_100YR_3HRCHI	12:47:00	0.067654
AREA9_100YR_3HRCHI	12:48:00	0.065796
AREA9_100YR_3HRCHI	12:49:00	0.06395
AREA9_100YR_3HRCHI	12:50:00	0.062531
AREA9_100YR_3HRCHI	12:51:00	0.061124
AREA9_100YR_3HRCHI	12:52:00	0.059728
AREA9_100YR_3HRCHI	12:53:00	0.058342
AREA9_100YR_3HRCHI	12:54:00	0.056968
AREA9_100YR_3HRCHI	12:55:00	0.055604
AREA9_100YR_3HRCHI	12:56:00	0.054251
AREA9_100YR_3HRCHI	12:57:00	0.052908
AREA9_100YR_3HRCHI	12:58:00	0.051576
AREA9_100YR_3HRCHI	12:59:00	0.050254



post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	13:00:00	0.049153
AREA9_100YR_3HRCHI	13:01:00	0.04806
AREA9_100YR_3HRCHI	13:02:00	0.046976
AREA9_100YR_3HRCHI	13:03:00	0.045902
AREA9_100YR_3HRCHI	13:04:00	0.044836
AREA9_100YR_3HRCHI	13:05:00	0.043779
AREA9_100YR_3HRCHI	13:06:00	0.04273
AREA9_100YR_3HRCHI	13:07:00	0.041691
AREA9_100YR_3HRCHI	13:08:00	0.040659
AREA9_100YR_3HRCHI	13:09:00	0.039637
AREA9_100YR_3HRCHI	13:10:00	0.038749
AREA9_100YR_3HRCHI	13:11:00	0.037869
AREA9_100YR_3HRCHI	13:12:00	0.036996
AREA9_100YR_3HRCHI	13:13:00	0.036131
AREA9_100YR_3HRCHI	13:14:00	0.035273
AREA9_100YR_3HRCHI	13:15:00	0.034422
AREA9_100YR_3HRCHI	13:16:00	0.033579
AREA9_100YR_3HRCHI	13:17:00	0.032742
AREA9_100YR_3HRCHI	13:18:00	0.031913
AREA9_100YR_3HRCHI	13:19:00	0.03109
AREA9_100YR_3HRCHI	13:20:00	0.03036
AREA9_100YR_3HRCHI	13:21:00	0.029635
AREA9_100YR_3HRCHI	13:22:00	0.028917
AREA9_100YR_3HRCHI	13:23:00	0.028205
AREA9_100YR_3HRCHI	13:24:00	0.027499
AREA9_100YR_3HRCHI	13:25:00	0.026799
AREA9_100YR_3HRCHI	13:26:00	0.026105
AREA9_100YR_3HRCHI	13:27:00	0.025417
AREA9_100YR_3HRCHI	13:28:00	0.024735
AREA9_100YR_3HRCHI	13:29:00	0.024059
AREA9_100YR_3HRCHI	13:30:00	0.023449
AREA9_100YR_3HRCHI	13:31:00	0.022845
AREA9_100YR_3HRCHI	13:32:00	0.022246
AREA9_100YR_3HRCHI	13:33:00	0.021652
AREA9_100YR_3HRCHI	13:34:00	0.021063
AREA9_100YR_3HRCHI	13:35:00	0.02048
AREA9_100YR_3HRCHI	13:36:00	0.019901
AREA9_100YR_3HRCHI	13:37:00	0.019328
AREA9_100YR_3HRCHI	13:38:00	0.018759
AREA9_100YR_3HRCHI	13:39:00	0.018196
AREA9_100YR_3HRCHI	13:40:00	0.017683
AREA9_100YR_3HRCHI	13:41:00	0.017174
AREA9_100YR_3HRCHI	13:42:00	0.01667
AREA9_100YR_3HRCHI	13:43:00	0.016171
AREA9_100YR_3HRCHI	13:44:00	0.015676
AREA9_100YR_3HRCHI	13:45:00	0.015185
AREA9_100YR_3HRCHI	13:46:00	0.014698
AREA9_100YR_3HRCHI	13:47:00	0.014216
AREA9_100YR_3HRCHI	13:48:00	0.013738
AREA9_100YR_3HRCHI	13:49:00	0.013264
AREA9_100YR_3HRCHI	13:50:00	0.012831
AREA9_100YR_3HRCHI	13:51:00	0.012401
AREA9_100YR_3HRCHI	13:52:00	0.011975
AREA9_100YR_3HRCHI	13:53:00	0.011553
AREA9_100YR_3HRCHI	13:54:00	0.011135
AREA9_100YR_3HRCHI	13:55:00	0.01072
AREA9_100YR_3HRCHI	13:56:00	0.010309
AREA9_100YR_3HRCHI	13:57:00	0.009902
AREA9_100YR_3HRCHI	13:58:00	0.009498
AREA9_100YR_3HRCHI	13:59:00	0.009098
AREA9_100YR_3HRCHI	14:00:00	0.00873
AREA9_100YR_3HRCHI	14:01:00	0.008365
AREA9_100YR_3HRCHI	14:02:00	0.008004
AREA9_100YR_3HRCHI	14:03:00	0.007645
AREA9_100YR_3HRCHI	14:04:00	0.00729
AREA9_100YR_3HRCHI	14:05:00	0.006938

post\_pond3\_100yrCHI\_2017-06-09.inp

AREA9_100YR_3HRCHI	14:06:00	0.006589
AREA9_100YR_3HRCHI	14:07:00	0.006244
AREA9_100YR_3HRCHI	14:08:00	0.005901
AREA9_100YR_3HRCHI	14:09:00	0.005561
AREA9_100YR_3HRCHI	14:10:00	0.005249
AREA9_100YR_3HRCHI	14:11:00	0.004938
AREA9_100YR_3HRCHI	14:12:00	0.004631
AREA9_100YR_3HRCHI	14:13:00	0.004327
AREA9_100YR_3HRCHI	14:14:00	0.004025
AREA9_100YR_3HRCHI	14:15:00	0.003726
AREA9_100YR_3HRCHI	14:16:00	0.003429
AREA9_100YR_3HRCHI	14:17:00	0.003136
AREA9_100YR_3HRCHI	14:18:00	0.002844
AREA9_100YR_3HRCHI	14:19:00	0.002556
AREA9_100YR_3HRCHI	14:20:00	0.00229
AREA9_100YR_3HRCHI	14:21:00	0.002026
AREA9_100YR_3HRCHI	14:22:00	0.001765
AREA9_100YR_3HRCHI	14:23:00	0.001506
AREA9_100YR_3HRCHI	14:24:00	0.001249
AREA9_100YR_3HRCHI	14:25:00	0.000995
AREA9_100YR_3HRCHI	14:26:00	0.000743
AREA9_100YR_3HRCHI	14:27:00	0.000493
AREA9_100YR_3HRCHI	14:28:00	0.000245

Drain3_100yr_CHI	0:01:00	0
Drain3_100yr_CHI	0:02:00	0
Drain3_100yr_CHI	0:03:00	0
Drain3_100yr_CHI	0:04:00	0
Drain3_100yr_CHI	0:05:00	0
Drain3_100yr_CHI	0:06:00	0
Drain3_100yr_CHI	0:07:00	0
Drain3_100yr_CHI	0:08:00	0
Drain3_100yr_CHI	0:09:00	0
Drain3_100yr_CHI	0:10:00	0
Drain3_100yr_CHI	0:11:00	0
Drain3_100yr_CHI	0:12:00	0
Drain3_100yr_CHI	0:13:00	0
Drain3_100yr_CHI	0:14:00	0
Drain3_100yr_CHI	0:15:00	0
Drain3_100yr_CHI	0:16:00	0
Drain3_100yr_CHI	0:17:00	0
Drain3_100yr_CHI	0:18:00	0
Drain3_100yr_CHI	0:19:00	0
Drain3_100yr_CHI	0:20:00	0
Drain3_100yr_CHI	0:21:00	0
Drain3_100yr_CHI	0:22:00	0
Drain3_100yr_CHI	0:23:00	0
Drain3_100yr_CHI	0:24:00	0
Drain3_100yr_CHI	0:25:00	0
Drain3_100yr_CHI	0:26:00	0
Drain3_100yr_CHI	0:27:00	0.000001
Drain3_100yr_CHI	0:28:00	0.000002
Drain3_100yr_CHI	0:29:00	0.000004
Drain3_100yr_CHI	0:30:00	0.000008
Drain3_100yr_CHI	0:31:00	0.000015
Drain3_100yr_CHI	0:32:00	0.000024
Drain3_100yr_CHI	0:33:00	0.000037
Drain3_100yr_CHI	0:34:00	0.000055
Drain3_100yr_CHI	0:35:00	0.000078
Drain3_100yr_CHI	0:36:00	0.000107
Drain3_100yr_CHI	0:37:00	0.000142
Drain3_100yr_CHI	0:38:00	0.000183
Drain3_100yr_CHI	0:39:00	0.000231
Drain3_100yr_CHI	0:40:00	0.000286
Drain3_100yr_CHI	0:41:00	0.000346

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain3_100yr_CHI	0:42:00	0.000415
Drain3_100yr_CHI	0:43:00	0.000496
Drain3_100yr_CHI	0:44:00	0.000591
Drain3_100yr_CHI	0:45:00	0.000702
Drain3_100yr_CHI	0:46:00	0.000829
Drain3_100yr_CHI	0:47:00	0.000971
Drain3_100yr_CHI	0:48:00	0.001131
Drain3_100yr_CHI	0:49:00	0.001305
Drain3_100yr_CHI	0:50:00	0.001495
Drain3_100yr_CHI	0:51:00	0.001698
Drain3_100yr_CHI	0:52:00	0.001934
Drain3_100yr_CHI	0:53:00	0.002232
Drain3_100yr_CHI	0:54:00	0.002612
Drain3_100yr_CHI	0:55:00	0.003088
Drain3_100yr_CHI	0:56:00	0.003667
Drain3_100yr_CHI	0:57:00	0.00435
Drain3_100yr_CHI	0:58:00	0.005139
Drain3_100yr_CHI	0:59:00	0.00603
Drain3_100yr_CHI	1:00:00	0.007018
Drain3_100yr_CHI	1:01:00	0.008096
Drain3_100yr_CHI	1:02:00	0.009496
Drain3_100yr_CHI	1:03:00	0.011594
Drain3_100yr_CHI	1:04:00	0.014672
Drain3_100yr_CHI	1:05:00	0.018921
Drain3_100yr_CHI	1:06:00	0.024462
Drain3_100yr_CHI	1:07:00	0.031346
Drain3_100yr_CHI	1:08:00	0.039577
Drain3_100yr_CHI	1:09:00	0.049116
Drain3_100yr_CHI	1:10:00	0.05989
Drain3_100yr_CHI	1:11:00	0.071805
Drain3_100yr_CHI	1:12:00	0.08427
Drain3_100yr_CHI	1:13:00	0.096465
Drain3_100yr_CHI	1:14:00	0.107859
Drain3_100yr_CHI	1:15:00	0.118141
Drain3_100yr_CHI	1:16:00	0.127152
Drain3_100yr_CHI	1:17:00	0.134844
Drain3_100yr_CHI	1:18:00	0.141244
Drain3_100yr_CHI	1:19:00	0.146427
Drain3_100yr_CHI	1:20:00	0.150499
Drain3_100yr_CHI	1:21:00	0.153581
Drain3_100yr_CHI	1:22:00	0.155689
Drain3_100yr_CHI	1:23:00	0.156788
Drain3_100yr_CHI	1:24:00	0.156914
Drain3_100yr_CHI	1:25:00	0.156145
Drain3_100yr_CHI	1:26:00	0.154587
Drain3_100yr_CHI	1:27:00	0.152356
Drain3_100yr_CHI	1:28:00	0.149573
Drain3_100yr_CHI	1:29:00	0.146353
Drain3_100yr_CHI	1:30:00	0.142805
Drain3_100yr_CHI	1:31:00	0.139028
Drain3_100yr_CHI	1:32:00	0.135071
Drain3_100yr_CHI	1:33:00	0.130952
Drain3_100yr_CHI	1:34:00	0.126707
Drain3_100yr_CHI	1:35:00	0.122378
Drain3_100yr_CHI	1:36:00	0.118012
Drain3_100yr_CHI	1:37:00	0.113652
Drain3_100yr_CHI	1:38:00	0.109341
Drain3_100yr_CHI	1:39:00	0.105115
Drain3_100yr_CHI	1:40:00	0.101007
Drain3_100yr_CHI	1:41:00	0.097042
Drain3_100yr_CHI	1:42:00	0.093221
Drain3_100yr_CHI	1:43:00	0.089531
Drain3_100yr_CHI	1:44:00	0.085969
Drain3_100yr_CHI	1:45:00	0.082536
Drain3_100yr_CHI	1:46:00	0.079237
Drain3_100yr_CHI	1:47:00	0.076078

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain3_100yr_CHI	1:48:00	0.073064
Drain3_100yr_CHI	1:49:00	0.070199
Drain3_100yr_CHI	1:50:00	0.067489
Drain3_100yr_CHI	1:51:00	0.064933
Drain3_100yr_CHI	1:52:00	0.062522
Drain3_100yr_CHI	1:53:00	0.060235
Drain3_100yr_CHI	1:54:00	0.058062
Drain3_100yr_CHI	1:55:00	0.055997
Drain3_100yr_CHI	1:56:00	0.054035
Drain3_100yr_CHI	1:57:00	0.052175
Drain3_100yr_CHI	1:58:00	0.050416
Drain3_100yr_CHI	1:59:00	0.048755
Drain3_100yr_CHI	2:00:00	0.047194
Drain3_100yr_CHI	2:01:00	0.045729
Drain3_100yr_CHI	2:02:00	0.044352
Drain3_100yr_CHI	2:03:00	0.043047
Drain3_100yr_CHI	2:04:00	0.041807
Drain3_100yr_CHI	2:05:00	0.040627
Drain3_100yr_CHI	2:06:00	0.039504
Drain3_100yr_CHI	2:07:00	0.038436
Drain3_100yr_CHI	2:08:00	0.037423
Drain3_100yr_CHI	2:09:00	0.036465
Drain3_100yr_CHI	2:10:00	0.035561
Drain3_100yr_CHI	2:11:00	0.034711
Drain3_100yr_CHI	2:12:00	0.033908
Drain3_100yr_CHI	2:13:00	0.033127
Drain3_100yr_CHI	2:14:00	0.032378
Drain3_100yr_CHI	2:15:00	0.031658
Drain3_100yr_CHI	2:16:00	0.030965
Drain3_100yr_CHI	2:17:00	0.030301
Drain3_100yr_CHI	2:18:00	0.029665
Drain3_100yr_CHI	2:19:00	0.029058
Drain3_100yr_CHI	2:20:00	0.028482
Drain3_100yr_CHI	2:21:00	0.027935
Drain3_100yr_CHI	2:22:00	0.027415
Drain3_100yr_CHI	2:23:00	0.026947
Drain3_100yr_CHI	2:24:00	0.026493
Drain3_100yr_CHI	2:25:00	0.026053
Drain3_100yr_CHI	2:26:00	0.025625
Drain3_100yr_CHI	2:27:00	0.025211
Drain3_100yr_CHI	2:28:00	0.024811
Drain3_100yr_CHI	2:29:00	0.024427
Drain3_100yr_CHI	2:30:00	0.024059
Drain3_100yr_CHI	2:31:00	0.023708
Drain3_100yr_CHI	2:32:00	0.023372
Drain3_100yr_CHI	2:33:00	0.023053
Drain3_100yr_CHI	2:34:00	0.022741
Drain3_100yr_CHI	2:35:00	0.022435
Drain3_100yr_CHI	2:36:00	0.022135
Drain3_100yr_CHI	2:37:00	0.021843
Drain3_100yr_CHI	2:38:00	0.021558
Drain3_100yr_CHI	2:39:00	0.021283
Drain3_100yr_CHI	2:40:00	0.021018
Drain3_100yr_CHI	2:41:00	0.020764
Drain3_100yr_CHI	2:42:00	0.020519
Drain3_100yr_CHI	2:43:00	0.020282
Drain3_100yr_CHI	2:44:00	0.02005
Drain3_100yr_CHI	2:45:00	0.019821
Drain3_100yr_CHI	2:46:00	0.019596
Drain3_100yr_CHI	2:47:00	0.019375
Drain3_100yr_CHI	2:48:00	0.019159
Drain3_100yr_CHI	2:49:00	0.01895
Drain3_100yr_CHI	2:50:00	0.018748
Drain3_100yr_CHI	2:51:00	0.018553
Drain3_100yr_CHI	2:52:00	0.018366
Drain3_100yr_CHI	2:53:00	0.018183

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain3_100yr_CHI	2:54:00	0.018003
Drain3_100yr_CHI	2:55:00	0.017824
Drain3_100yr_CHI	2:56:00	0.017648
Drain3_100yr_CHI	2:57:00	0.017475
Drain3_100yr_CHI	2:58:00	0.017305
Drain3_100yr_CHI	2:59:00	0.017139
Drain3_100yr_CHI	3:00:00	0.016979
Drain3_100yr_CHI	3:01:00	0.016825
Drain3_100yr_CHI	3:02:00	0.016675
Drain3_100yr_CHI	3:03:00	0.016529
Drain3_100yr_CHI	3:04:00	0.016384
Drain3_100yr_CHI	3:05:00	0.01624
Drain3_100yr_CHI	3:06:00	0.016098
Drain3_100yr_CHI	3:07:00	0.015957
Drain3_100yr_CHI	3:08:00	0.015819
Drain3_100yr_CHI	3:09:00	0.015684
Drain3_100yr_CHI	3:10:00	0.015554
Drain3_100yr_CHI	3:11:00	0.015428
Drain3_100yr_CHI	3:12:00	0.015283
Drain3_100yr_CHI	3:13:00	0.015088
Drain3_100yr_CHI	3:14:00	0.014824
Drain3_100yr_CHI	3:15:00	0.014487
Drain3_100yr_CHI	3:16:00	0.014077
Drain3_100yr_CHI	3:17:00	0.013601
Drain3_100yr_CHI	3:18:00	0.01307
Drain3_100yr_CHI	3:19:00	0.012493
Drain3_100yr_CHI	3:20:00	0.011882
Drain3_100yr_CHI	3:21:00	0.011248
Drain3_100yr_CHI	3:22:00	0.010601
Drain3_100yr_CHI	3:23:00	0.009951
Drain3_100yr_CHI	3:24:00	0.009304
Drain3_100yr_CHI	3:25:00	0.008668
Drain3_100yr_CHI	3:26:00	0.008048
Drain3_100yr_CHI	3:27:00	0.007449
Drain3_100yr_CHI	3:28:00	0.006874
Drain3_100yr_CHI	3:29:00	0.006326
Drain3_100yr_CHI	3:30:00	0.005806
Drain3_100yr_CHI	3:31:00	0.005316
Drain3_100yr_CHI	3:32:00	0.004856
Drain3_100yr_CHI	3:33:00	0.004426
Drain3_100yr_CHI	3:34:00	0.004026
Drain3_100yr_CHI	3:35:00	0.003655
Drain3_100yr_CHI	3:36:00	0.003312
Drain3_100yr_CHI	3:37:00	0.002996
Drain3_100yr_CHI	3:38:00	0.002705
Drain3_100yr_CHI	3:39:00	0.002439
Drain3_100yr_CHI	3:40:00	0.002196
Drain3_100yr_CHI	3:41:00	0.001973
Drain3_100yr_CHI	3:42:00	0.001771
Drain3_100yr_CHI	3:43:00	0.001588
Drain3_100yr_CHI	3:44:00	0.001421
Drain3_100yr_CHI	3:45:00	0.001271
Drain3_100yr_CHI	3:46:00	0.001135
Drain3_100yr_CHI	3:47:00	0.001012
Drain3_100yr_CHI	3:48:00	0.000901
Drain3_100yr_CHI	3:49:00	0.000802
Drain3_100yr_CHI	3:50:00	0.000712
Drain3_100yr_CHI	3:51:00	0.000632
Drain3_100yr_CHI	3:52:00	0.00056
Drain3_100yr_CHI	3:53:00	0.000496
Drain3_100yr_CHI	3:54:00	0.000439
Drain3_100yr_CHI	3:55:00	0.000388
Drain3_100yr_CHI	3:56:00	0.000342
Drain3_100yr_CHI	3:57:00	0.000301
Drain3_100yr_CHI	3:58:00	0.000265
Drain3_100yr_CHI	3:59:00	0.000233

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain3_100yr_CHI	4:00:00	0.000204
Drain3_100yr_CHI	4:01:00	0.000179
Drain3_100yr_CHI	4:02:00	0.000156
Drain3_100yr_CHI	4:03:00	0.000136
Drain3_100yr_CHI	4:04:00	0.000118
Drain3_100yr_CHI	4:05:00	0.000103
Drain3_100yr_CHI	4:06:00	0.000089
Drain3_100yr_CHI	4:07:00	0.000077
Drain3_100yr_CHI	4:08:00	0.000066
Drain3_100yr_CHI	4:09:00	0.000056
Drain3_100yr_CHI	4:10:00	0.000048
Drain3_100yr_CHI	4:11:00	0.000041
Drain3_100yr_CHI	4:12:00	0.000034
Drain3_100yr_CHI	4:13:00	0.000028
Drain3_100yr_CHI	4:14:00	0.000023
Drain3_100yr_CHI	4:15:00	0.000019
Drain3_100yr_CHI	4:16:00	0.000015
Drain3_100yr_CHI	4:17:00	0.000012
Drain3_100yr_CHI	4:18:00	0.0000867
Drain3_100yr_CHI	4:19:00	0.0000805
Drain3_100yr_CHI	4:20:00	0.0000747
Drain3_100yr_CHI	4:21:00	0.0000693
Drain3_100yr_CHI	4:22:00	0.0000643
Drain3_100yr_CHI	4:23:00	0.0000596
Drain3_100yr_CHI	4:24:00	0.0000544
Drain3_100yr_CHI	4:25:00	0.0000506
Drain3_100yr_CHI	4:26:00	0.0000471
Drain3_100yr_CHI	4:27:00	0.0000438
Drain3_100yr_CHI	4:28:00	0.0000408
Drain3_100yr_CHI	4:29:00	0.0000379
Drain3_100yr_CHI	4:30:00	0.0000352
Drain3_100yr_CHI	4:31:00	0.0000327
Drain3_100yr_CHI	4:32:00	0.0000304
Drain3_100yr_CHI	4:33:00	0.0000282
Drain3_100yr_CHI	4:34:00	0.0000261
Drain3_100yr_CHI	4:35:00	0.0000242
Drain3_100yr_CHI	4:36:00	0.0000224
Drain3_100yr_CHI	4:37:00	0.0000208
Drain3_100yr_CHI	4:38:00	0.0000193
Drain3_100yr_CHI	4:39:00	0.0000178
Drain3_100yr_CHI	4:40:00	0.0000165
Drain3_100yr_CHI	4:41:00	0.0000142
Drain3_100yr_CHI	4:42:00	0.0000133
Drain3_100yr_CHI	4:43:00	0.0000125
Drain3_100yr_CHI	4:44:00	0.0000117
Drain3_100yr_CHI	4:45:00	0.0000109
Drain3_100yr_CHI	4:46:00	0.0000102
Drain3_100yr_CHI	4:47:00	0.0000096
Drain3_100yr_CHI	4:48:00	0.0000089
Drain3_100yr_CHI	4:49:00	0.0000083
Drain3_100yr_CHI	4:50:00	0.0000078
Drain3_100yr_CHI	4:51:00	0.0000073
Drain3_100yr_CHI	4:52:00	0.0000068
Drain3_100yr_CHI	4:53:00	0.0000063
Drain3_100yr_CHI	4:54:00	0.0000059
Drain3_100yr_CHI	4:55:00	0.0000054
Drain3_100yr_CHI	4:56:00	0.0000051
Drain3_100yr_CHI	4:57:00	0.0000047
Drain3_100yr_CHI	4:58:00	0.0000043
Drain3_100yr_CHI	4:59:00	0.000004
Drain3_100yr_CHI	5:00:00	0.0000037
Drain3_100yr_CHI	5:01:00	0.0000034
Drain3_100yr_CHI	5:02:00	0.0000032
Drain3_100yr_CHI	5:03:00	0.0000029
Drain3_100yr_CHI	5:04:00	0.0000027
Drain3_100yr_CHI	5:05:00	0.0000025

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain3_100yr_CHI	5:06:00	0.000023
Drain3_100yr_CHI	5:07:00	0.000021
Drain3_100yr_CHI	5:08:00	0.000019
Drain3_100yr_CHI	5:09:00	0.000017
Drain3_100yr_CHI	5:10:00	0.000016
Drain3_100yr_CHI	5:11:00	0.000014
Drain3_100yr_CHI	5:12:00	0.000013
Drain3_100yr_CHI	5:13:00	0.000012
Drain3_100yr_CHI	5:14:00	0.00001
Drain3_100yr_CHI	5:15:00	0.000047
Drain3_100yr_CHI	5:16:00	0.000041
Drain3_100yr_CHI	5:17:00	0.000036
Drain3_100yr_CHI	5:18:00	0.000031
Drain3_100yr_CHI	5:19:00	0.000027
Drain3_100yr_CHI	5:20:00	0.000023
Drain3_100yr_CHI	5:21:00	0.000019
Drain3_100yr_CHI	5:22:00	0.000015
Drain3_100yr_CHI	5:23:00	0.000012

Drain4_100yr_CHI	0:01:00	0
Drain4_100yr_CHI	0:02:00	0
Drain4_100yr_CHI	0:03:00	0
Drain4_100yr_CHI	0:04:00	0
Drain4_100yr_CHI	0:05:00	0
Drain4_100yr_CHI	0:06:00	0
Drain4_100yr_CHI	0:07:00	0
Drain4_100yr_CHI	0:08:00	0
Drain4_100yr_CHI	0:09:00	0
Drain4_100yr_CHI	0:10:00	0
Drain4_100yr_CHI	0:11:00	0
Drain4_100yr_CHI	0:12:00	0
Drain4_100yr_CHI	0:13:00	0
Drain4_100yr_CHI	0:14:00	0
Drain4_100yr_CHI	0:15:00	0
Drain4_100yr_CHI	0:16:00	0
Drain4_100yr_CHI	0:17:00	0
Drain4_100yr_CHI	0:18:00	0
Drain4_100yr_CHI	0:19:00	0
Drain4_100yr_CHI	0:20:00	0
Drain4_100yr_CHI	0:21:00	0
Drain4_100yr_CHI	0:22:00	0
Drain4_100yr_CHI	0:23:00	0
Drain4_100yr_CHI	0:24:00	0
Drain4_100yr_CHI	0:25:00	0
Drain4_100yr_CHI	0:26:00	0
Drain4_100yr_CHI	0:27:00	0
Drain4_100yr_CHI	0:28:00	0
Drain4_100yr_CHI	0:29:00	0
Drain4_100yr_CHI	0:30:00	0
Drain4_100yr_CHI	0:31:00	0.000001
Drain4_100yr_CHI	0:32:00	0.000001
Drain4_100yr_CHI	0:33:00	0.000002
Drain4_100yr_CHI	0:34:00	0.000003
Drain4_100yr_CHI	0:35:00	0.000004
Drain4_100yr_CHI	0:36:00	0.000006
Drain4_100yr_CHI	0:37:00	0.000009
Drain4_100yr_CHI	0:38:00	0.000012
Drain4_100yr_CHI	0:39:00	0.000016
Drain4_100yr_CHI	0:40:00	0.000021
Drain4_100yr_CHI	0:41:00	0.000027
Drain4_100yr_CHI	0:42:00	0.000035
Drain4_100yr_CHI	0:43:00	0.000043
Drain4_100yr_CHI	0:44:00	0.000054
Drain4_100yr_CHI	0:45:00	0.000066
Drain4_100yr_CHI	0:46:00	0.000081
Drain4_100yr_CHI	0:47:00	0.000098

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain4_100yr_CHI	0:48:00	0.000118
Drain4_100yr_CHI	0:49:00	0.000141
Drain4_100yr_CHI	0:50:00	0.000167
Drain4_100yr_CHI	0:51:00	0.000197
Drain4_100yr_CHI	0:52:00	0.000232
Drain4_100yr_CHI	0:53:00	0.000272
Drain4_100yr_CHI	0:54:00	0.000321
Drain4_100yr_CHI	0:55:00	0.000379
Drain4_100yr_CHI	0:56:00	0.000448
Drain4_100yr_CHI	0:57:00	0.00053
Drain4_100yr_CHI	0:58:00	0.000628
Drain4_100yr_CHI	0:59:00	0.000741
Drain4_100yr_CHI	1:00:00	0.000873
Drain4_100yr_CHI	1:01:00	0.001025
Drain4_100yr_CHI	1:02:00	0.001208
Drain4_100yr_CHI	1:03:00	0.001442
Drain4_100yr_CHI	1:04:00	0.001751
Drain4_100yr_CHI	1:05:00	0.002159
Drain4_100yr_CHI	1:06:00	0.002692
Drain4_100yr_CHI	1:07:00	0.003378
Drain4_100yr_CHI	1:08:00	0.004243
Drain4_100yr_CHI	1:09:00	0.005317
Drain4_100yr_CHI	1:10:00	0.006627
Drain4_100yr_CHI	1:11:00	0.008203
Drain4_100yr_CHI	1:12:00	0.010047
Drain4_100yr_CHI	1:13:00	0.012141
Drain4_100yr_CHI	1:14:00	0.014469
Drain4_100yr_CHI	1:15:00	0.017013
Drain4_100yr_CHI	1:16:00	0.01976
Drain4_100yr_CHI	1:17:00	0.022695
Drain4_100yr_CHI	1:18:00	0.025804
Drain4_100yr_CHI	1:19:00	0.029077
Drain4_100yr_CHI	1:20:00	0.0325
Drain4_100yr_CHI	1:21:00	0.036065
Drain4_100yr_CHI	1:22:00	0.039754
Drain4_100yr_CHI	1:23:00	0.043548
Drain4_100yr_CHI	1:24:00	0.047428
Drain4_100yr_CHI	1:25:00	0.051377
Drain4_100yr_CHI	1:26:00	0.055379
Drain4_100yr_CHI	1:27:00	0.059421
Drain4_100yr_CHI	1:28:00	0.063489
Drain4_100yr_CHI	1:29:00	0.067571
Drain4_100yr_CHI	1:30:00	0.071657
Drain4_100yr_CHI	1:31:00	0.075737
Drain4_100yr_CHI	1:32:00	0.079801
Drain4_100yr_CHI	1:33:00	0.083836
Drain4_100yr_CHI	1:34:00	0.087832
Drain4_100yr_CHI	1:35:00	0.09178
Drain4_100yr_CHI	1:36:00	0.09567
Drain4_100yr_CHI	1:37:00	0.099497
Drain4_100yr_CHI	1:38:00	0.103253
Drain4_100yr_CHI	1:39:00	0.106933
Drain4_100yr_CHI	1:40:00	0.110532
Drain4_100yr_CHI	1:41:00	0.114046
Drain4_100yr_CHI	1:42:00	0.11747
Drain4_100yr_CHI	1:43:00	0.1208
Drain4_100yr_CHI	1:44:00	0.124031
Drain4_100yr_CHI	1:45:00	0.12716
Drain4_100yr_CHI	1:46:00	0.130185
Drain4_100yr_CHI	1:47:00	0.133102
Drain4_100yr_CHI	1:48:00	0.135912
Drain4_100yr_CHI	1:49:00	0.138611
Drain4_100yr_CHI	1:50:00	0.141201
Drain4_100yr_CHI	1:51:00	0.14368
Drain4_100yr_CHI	1:52:00	0.146049
Drain4_100yr_CHI	1:53:00	0.148306



post\_pond3\_100yrCHI\_2017-06-09.inp

Drain4_100yr_CHI	1:54:00	0.150452
Drain4_100yr_CHI	1:55:00	0.152486
Drain4_100yr_CHI	1:56:00	0.154408
Drain4_100yr_CHI	1:57:00	0.156221
Drain4_100yr_CHI	1:58:00	0.157924
Drain4_100yr_CHI	1:59:00	0.159519
Drain4_100yr_CHI	2:00:00	0.161008
Drain4_100yr_CHI	2:01:00	0.162393
Drain4_100yr_CHI	2:02:00	0.163675
Drain4_100yr_CHI	2:03:00	0.164855
Drain4_100yr_CHI	2:04:00	0.165936
Drain4_100yr_CHI	2:05:00	0.166918
Drain4_100yr_CHI	2:06:00	0.167804
Drain4_100yr_CHI	2:07:00	0.168596
Drain4_100yr_CHI	2:08:00	0.169295
Drain4_100yr_CHI	2:09:00	0.169906
Drain4_100yr_CHI	2:10:00	0.170429
Drain4_100yr_CHI	2:11:00	0.170868
Drain4_100yr_CHI	2:12:00	0.171224
Drain4_100yr_CHI	2:13:00	0.1715
Drain4_100yr_CHI	2:14:00	0.171698
Drain4_100yr_CHI	2:15:00	0.17182
Drain4_100yr_CHI	2:16:00	0.171869
Drain4_100yr_CHI	2:17:00	0.171847
Drain4_100yr_CHI	2:18:00	0.171756
Drain4_100yr_CHI	2:19:00	0.171598
Drain4_100yr_CHI	2:20:00	0.171378
Drain4_100yr_CHI	2:21:00	0.171095
Drain4_100yr_CHI	2:22:00	0.170754
Drain4_100yr_CHI	2:23:00	0.170357
Drain4_100yr_CHI	2:24:00	0.169904
Drain4_100yr_CHI	2:25:00	0.169399
Drain4_100yr_CHI	2:26:00	0.168843
Drain4_100yr_CHI	2:27:00	0.16824
Drain4_100yr_CHI	2:28:00	0.16759
Drain4_100yr_CHI	2:29:00	0.166896
Drain4_100yr_CHI	2:30:00	0.166161
Drain4_100yr_CHI	2:31:00	0.165386
Drain4_100yr_CHI	2:32:00	0.164573
Drain4_100yr_CHI	2:33:00	0.163725
Drain4_100yr_CHI	2:34:00	0.162843
Drain4_100yr_CHI	2:35:00	0.161928
Drain4_100yr_CHI	2:36:00	0.160983
Drain4_100yr_CHI	2:37:00	0.160008
Drain4_100yr_CHI	2:38:00	0.159007
Drain4_100yr_CHI	2:39:00	0.157981
Drain4_100yr_CHI	2:40:00	0.156931
Drain4_100yr_CHI	2:41:00	0.155859
Drain4_100yr_CHI	2:42:00	0.154766
Drain4_100yr_CHI	2:43:00	0.153654
Drain4_100yr_CHI	2:44:00	0.152525
Drain4_100yr_CHI	2:45:00	0.151379
Drain4_100yr_CHI	2:46:00	0.150219
Drain4_100yr_CHI	2:47:00	0.149044
Drain4_100yr_CHI	2:48:00	0.147857
Drain4_100yr_CHI	2:49:00	0.146658
Drain4_100yr_CHI	2:50:00	0.14545
Drain4_100yr_CHI	2:51:00	0.144233
Drain4_100yr_CHI	2:52:00	0.143008
Drain4_100yr_CHI	2:53:00	0.141777
Drain4_100yr_CHI	2:54:00	0.140539
Drain4_100yr_CHI	2:55:00	0.139297
Drain4_100yr_CHI	2:56:00	0.138051
Drain4_100yr_CHI	2:57:00	0.136802
Drain4_100yr_CHI	2:58:00	0.13555
Drain4_100yr_CHI	2:59:00	0.134298

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain4_100yr_CHI	3:00:00	0.133045
Drain4_100yr_CHI	3:01:00	0.131792
Drain4_100yr_CHI	3:02:00	0.13054
Drain4_100yr_CHI	3:03:00	0.12929
Drain4_100yr_CHI	3:04:00	0.128043
Drain4_100yr_CHI	3:05:00	0.126798
Drain4_100yr_CHI	3:06:00	0.125556
Drain4_100yr_CHI	3:07:00	0.124319
Drain4_100yr_CHI	3:08:00	0.123086
Drain4_100yr_CHI	3:09:00	0.121859
Drain4_100yr_CHI	3:10:00	0.120637
Drain4_100yr_CHI	3:11:00	0.119421
Drain4_100yr_CHI	3:12:00	0.118211
Drain4_100yr_CHI	3:13:00	0.117004
Drain4_100yr_CHI	3:14:00	0.115798
Drain4_100yr_CHI	3:15:00	0.114592
Drain4_100yr_CHI	3:16:00	0.113385
Drain4_100yr_CHI	3:17:00	0.112176
Drain4_100yr_CHI	3:18:00	0.110963
Drain4_100yr_CHI	3:19:00	0.109746
Drain4_100yr_CHI	3:20:00	0.108525
Drain4_100yr_CHI	3:21:00	0.107298
Drain4_100yr_CHI	3:22:00	0.106067
Drain4_100yr_CHI	3:23:00	0.10483
Drain4_100yr_CHI	3:24:00	0.103588
Drain4_100yr_CHI	3:25:00	0.10234
Drain4_100yr_CHI	3:26:00	0.101088
Drain4_100yr_CHI	3:27:00	0.09983
Drain4_100yr_CHI	3:28:00	0.098568
Drain4_100yr_CHI	3:29:00	0.097302
Drain4_100yr_CHI	3:30:00	0.096031
Drain4_100yr_CHI	3:31:00	0.094758
Drain4_100yr_CHI	3:32:00	0.093481
Drain4_100yr_CHI	3:33:00	0.092203
Drain4_100yr_CHI	3:34:00	0.090922
Drain4_100yr_CHI	3:35:00	0.08964
Drain4_100yr_CHI	3:36:00	0.088358
Drain4_100yr_CHI	3:37:00	0.087075
Drain4_100yr_CHI	3:38:00	0.085793
Drain4_100yr_CHI	3:39:00	0.084512
Drain4_100yr_CHI	3:40:00	0.083233
Drain4_100yr_CHI	3:41:00	0.081956
Drain4_100yr_CHI	3:42:00	0.080683
Drain4_100yr_CHI	3:43:00	0.079412
Drain4_100yr_CHI	3:44:00	0.078146
Drain4_100yr_CHI	3:45:00	0.076884
Drain4_100yr_CHI	3:46:00	0.075628
Drain4_100yr_CHI	3:47:00	0.074378
Drain4_100yr_CHI	3:48:00	0.073134
Drain4_100yr_CHI	3:49:00	0.071896
Drain4_100yr_CHI	3:50:00	0.070666
Drain4_100yr_CHI	3:51:00	0.069444
Drain4_100yr_CHI	3:52:00	0.06823
Drain4_100yr_CHI	3:53:00	0.067025
Drain4_100yr_CHI	3:54:00	0.065829
Drain4_100yr_CHI	3:55:00	0.064643
Drain4_100yr_CHI	3:56:00	0.063466
Drain4_100yr_CHI	3:57:00	0.0623
Drain4_100yr_CHI	3:58:00	0.061145
Drain4_100yr_CHI	3:59:00	0.060001
Drain4_100yr_CHI	4:00:00	0.058868
Drain4_100yr_CHI	4:01:00	0.057746
Drain4_100yr_CHI	4:02:00	0.056637
Drain4_100yr_CHI	4:03:00	0.055539
Drain4_100yr_CHI	4:04:00	0.054454
Drain4_100yr_CHI	4:05:00	0.053382

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain4_100yr_CHI	4:06:00	0.052322
Drain4_100yr_CHI	4:07:00	0.051276
Drain4_100yr_CHI	4:08:00	0.050242
Drain4_100yr_CHI	4:09:00	0.049222
Drain4_100yr_CHI	4:10:00	0.048215
Drain4_100yr_CHI	4:11:00	0.047222
Drain4_100yr_CHI	4:12:00	0.046243
Drain4_100yr_CHI	4:13:00	0.045277
Drain4_100yr_CHI	4:14:00	0.044325
Drain4_100yr_CHI	4:15:00	0.043387
Drain4_100yr_CHI	4:16:00	0.042463
Drain4_100yr_CHI	4:17:00	0.041553
Drain4_100yr_CHI	4:18:00	0.040657
Drain4_100yr_CHI	4:19:00	0.039775
Drain4_100yr_CHI	4:20:00	0.038907
Drain4_100yr_CHI	4:21:00	0.038052
Drain4_100yr_CHI	4:22:00	0.037212
Drain4_100yr_CHI	4:23:00	0.036386
Drain4_100yr_CHI	4:24:00	0.035574
Drain4_100yr_CHI	4:25:00	0.034775
Drain4_100yr_CHI	4:26:00	0.03399
Drain4_100yr_CHI	4:27:00	0.033219
Drain4_100yr_CHI	4:28:00	0.032462
Drain4_100yr_CHI	4:29:00	0.031718
Drain4_100yr_CHI	4:30:00	0.030987
Drain4_100yr_CHI	4:31:00	0.03027
Drain4_100yr_CHI	4:32:00	0.029566
Drain4_100yr_CHI	4:33:00	0.028875
Drain4_100yr_CHI	4:34:00	0.028197
Drain4_100yr_CHI	4:35:00	0.027533
Drain4_100yr_CHI	4:36:00	0.026881
Drain4_100yr_CHI	4:37:00	0.026241
Drain4_100yr_CHI	4:38:00	0.025614
Drain4_100yr_CHI	4:39:00	0.025
Drain4_100yr_CHI	4:40:00	0.024397
Drain4_100yr_CHI	4:41:00	0.023807
Drain4_100yr_CHI	4:42:00	0.023229
Drain4_100yr_CHI	4:43:00	0.022663
Drain4_100yr_CHI	4:44:00	0.022108
Drain4_100yr_CHI	4:45:00	0.021564
Drain4_100yr_CHI	4:46:00	0.021032
Drain4_100yr_CHI	4:47:00	0.020511
Drain4_100yr_CHI	4:48:00	0.020001
Drain4_100yr_CHI	4:49:00	0.019502
Drain4_100yr_CHI	4:50:00	0.019014
Drain4_100yr_CHI	4:51:00	0.018536
Drain4_100yr_CHI	4:52:00	0.018069
Drain4_100yr_CHI	4:53:00	0.017612
Drain4_100yr_CHI	4:54:00	0.017164
Drain4_100yr_CHI	4:55:00	0.016727
Drain4_100yr_CHI	4:56:00	0.016299
Drain4_100yr_CHI	4:57:00	0.01588
Drain4_100yr_CHI	4:58:00	0.015472
Drain4_100yr_CHI	4:59:00	0.015072
Drain4_100yr_CHI	5:00:00	0.014681
Drain4_100yr_CHI	5:01:00	0.014299
Drain4_100yr_CHI	5:02:00	0.013926
Drain4_100yr_CHI	5:03:00	0.013562
Drain4_100yr_CHI	5:04:00	0.013204
Drain4_100yr_CHI	5:05:00	0.012853
Drain4_100yr_CHI	5:06:00	0.012511
Drain4_100yr_CHI	5:07:00	0.012176
Drain4_100yr_CHI	5:08:00	0.011849
Drain4_100yr_CHI	5:09:00	0.011529
Drain4_100yr_CHI	5:10:00	0.011216
Drain4_100yr_CHI	5:11:00	0.010911

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain4_100yr_CHI	5:12:00	0.010612
Drain4_100yr_CHI	5:13:00	0.010321
Drain4_100yr_CHI	5:14:00	0.010006
Drain4_100yr_CHI	5:15:00	0.009691
Drain4_100yr_CHI	5:16:00	0.009377
Drain4_100yr_CHI	5:17:00	0.009063
Drain4_100yr_CHI	5:18:00	0.008749
Drain4_100yr_CHI	5:19:00	0.008437
Drain4_100yr_CHI	5:20:00	0.008125
Drain4_100yr_CHI	5:21:00	0.007814
Drain4_100yr_CHI	5:22:00	0.007505
Drain4_100yr_CHI	5:23:00	0.007197
Drain4_100yr_CHI	5:24:00	0.006968
Drain4_100yr_CHI	5:25:00	0.006745
Drain4_100yr_CHI	5:26:00	0.006527
Drain4_100yr_CHI	5:27:00	0.006314
Drain4_100yr_CHI	5:28:00	0.006106
Drain4_100yr_CHI	5:29:00	0.005903
Drain4_100yr_CHI	5:30:00	0.005705
Drain4_100yr_CHI	5:31:00	0.005511
Drain4_100yr_CHI	5:32:00	0.005321
Drain4_100yr_CHI	5:33:00	0.005137
Drain4_100yr_CHI	5:34:00	0.004975
Drain4_100yr_CHI	5:35:00	0.004818
Drain4_100yr_CHI	5:36:00	0.004665
Drain4_100yr_CHI	5:37:00	0.004515
Drain4_100yr_CHI	5:38:00	0.00437
Drain4_100yr_CHI	5:39:00	0.004228
Drain4_100yr_CHI	5:40:00	0.00409
Drain4_100yr_CHI	5:41:00	0.003955
Drain4_100yr_CHI	5:42:00	0.003824
Drain4_100yr_CHI	5:43:00	0.003696
Drain4_100yr_CHI	5:44:00	0.003578
Drain4_100yr_CHI	5:45:00	0.003464
Drain4_100yr_CHI	5:46:00	0.003352
Drain4_100yr_CHI	5:47:00	0.003244
Drain4_100yr_CHI	5:48:00	0.003138
Drain4_100yr_CHI	5:49:00	0.003035
Drain4_100yr_CHI	5:50:00	0.002935
Drain4_100yr_CHI	5:51:00	0.002837
Drain4_100yr_CHI	5:52:00	0.002742
Drain4_100yr_CHI	5:53:00	0.00265
Drain4_100yr_CHI	5:54:00	0.002563
Drain4_100yr_CHI	5:55:00	0.002479
Drain4_100yr_CHI	5:56:00	0.002397
Drain4_100yr_CHI	5:57:00	0.002318
Drain4_100yr_CHI	5:58:00	0.00224
Drain4_100yr_CHI	5:59:00	0.002165
Drain4_100yr_CHI	6:00:00	0.002092
Drain4_100yr_CHI	6:01:00	0.00202
Drain4_100yr_CHI	6:02:00	0.001951
Drain4_100yr_CHI	6:03:00	0.001883
Drain4_100yr_CHI	6:04:00	0.00182
Drain4_100yr_CHI	6:05:00	0.001758
Drain4_100yr_CHI	6:06:00	0.001698
Drain4_100yr_CHI	6:07:00	0.00164
Drain4_100yr_CHI	6:08:00	0.001583
Drain4_100yr_CHI	6:09:00	0.001528
Drain4_100yr_CHI	6:10:00	0.001474
Drain4_100yr_CHI	6:11:00	0.001422
Drain4_100yr_CHI	6:12:00	0.001371
Drain4_100yr_CHI	6:13:00	0.001322
Drain4_100yr_CHI	6:14:00	0.001275
Drain4_100yr_CHI	6:15:00	0.00123
Drain4_100yr_CHI	6:16:00	0.001186
Drain4_100yr_CHI	6:17:00	0.001144

post\_pond3\_100yrCHI\_2017-06-09.inp

Drain4_100yr_CHI	6:18:00	0.001102
Drain4_100yr_CHI	6:19:00	0.001062
Drain4_100yr_CHI	6:20:00	0.001023
Drain4_100yr_CHI	6:21:00	0.000984
Drain4_100yr_CHI	6:22:00	0.000947
Drain4_100yr_CHI	6:23:00	0.000912
Drain4_100yr_CHI	6:24:00	0.000878
Drain4_100yr_CHI	6:25:00	0.000845
Drain4_100yr_CHI	6:26:00	0.000813
Drain4_100yr_CHI	6:27:00	0.000782
Drain4_100yr_CHI	6:28:00	0.000752
Drain4_100yr_CHI	6:29:00	0.000722
Drain4_100yr_CHI	6:30:00	0.000694
Drain4_100yr_CHI	6:31:00	0.000666
Drain4_100yr_CHI	6:32:00	0.000639
Drain4_100yr_CHI	6:33:00	0.000613
Drain4_100yr_CHI	6:34:00	0.000589
Drain4_100yr_CHI	6:35:00	0.000565
Drain4_100yr_CHI	6:36:00	0.000542
Drain4_100yr_CHI	6:37:00	0.000519
Drain4_100yr_CHI	6:38:00	0.000497
Drain4_100yr_CHI	6:39:00	0.000476
Drain4_100yr_CHI	6:40:00	0.000456
Drain4_100yr_CHI	6:41:00	0.000436
Drain4_100yr_CHI	6:42:00	0.000416
Drain4_100yr_CHI	6:43:00	0.000397
Drain4_100yr_CHI	6:44:00	0.00038
Drain4_100yr_CHI	6:45:00	0.000363
Drain4_100yr_CHI	6:46:00	0.000346
Drain4_100yr_CHI	6:47:00	0.00033
Drain4_100yr_CHI	6:48:00	0.000314
Drain4_100yr_CHI	6:49:00	0.000299
Drain4_100yr_CHI	6:50:00	0.000284
Drain4_100yr_CHI	6:51:00	0.00027
Drain4_100yr_CHI	6:52:00	0.000256
Drain4_100yr_CHI	6:53:00	0.000243
Drain4_100yr_CHI	6:54:00	0.00023
Drain4_100yr_CHI	6:55:00	0.000218
Drain4_100yr_CHI	6:56:00	0.000206
Drain4_100yr_CHI	6:57:00	0.000194
Drain4_100yr_CHI	6:58:00	0.000183
Drain4_100yr_CHI	6:59:00	0.000172
Drain4_100yr_CHI	7:00:00	0.000162
Drain4_100yr_CHI	7:01:00	0.000152
Drain4_100yr_CHI	7:02:00	0.000142
Drain4_100yr_CHI	7:03:00	0.000132
Drain4_100yr_CHI	7:04:00	0.000123
Drain4_100yr_CHI	7:05:00	0.000115
Drain4_100yr_CHI	7:06:00	0.000106
Drain4_100yr_CHI	7:07:00	0.000098
Drain4_100yr_CHI	7:08:00	0.00009
Drain4_100yr_CHI	7:09:00	0.000083
Drain4_100yr_CHI	7:10:00	0.000075
Drain4_100yr_CHI	7:11:00	0.000068
Drain4_100yr_CHI	7:12:00	0.000061
Drain4_100yr_CHI	7:13:00	0.000054
Drain4_100yr_CHI	7:14:00	0.000048
Drain4_100yr_CHI	7:15:00	0.000042
Drain4_100yr_CHI	7:16:00	0.000036
Drain4_100yr_CHI	7:17:00	0.000031
Drain4_100yr_CHI	7:18:00	0.000025
Drain4_100yr_CHI	7:19:00	0.00002
Drain4_100yr_CHI	7:20:00	0.000015
Drain4_100yr_CHI	7:21:00	0.000027
Drain4_100yr_CHI	7:22:00	0.000013

[REPORT]  
INPUT YES  
CONTROLS YES  
SUBCATCHMENTS ALL  
NODES ALL  
LINKS ALL

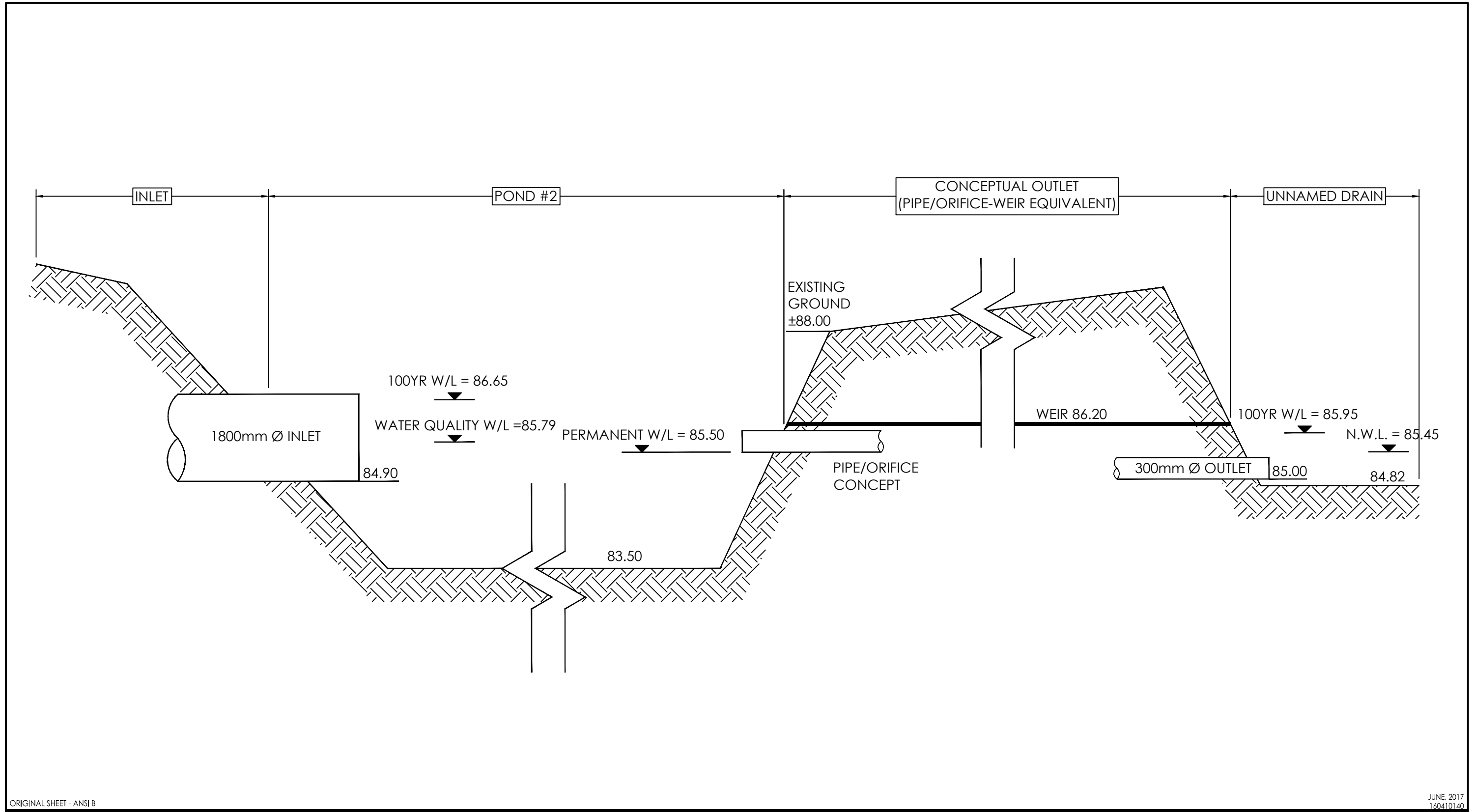
[TAGS]  
Node 204-S Major\_System  
Node C204A-S Major\_System  
Node L201A-S Major\_System  
Node L202A-S Major\_System  
Link 1 Major\_System  
Link 2 Major\_System  
Link 3 Major\_System  
Link 4 Major\_System  
Link C1 Major\_System  
Link C2 Major\_System  
Link C3 Major\_System  
Link Flow 4 channel  
Link Flow 5 channel  
Link Flow 6 channel  
Link Flow 9 channel  
Link Flow B channel  
Link Flow B1 channel  
Link Flow B2 channel  
Link Pipe\_21-S Major\_System  
Link Pipe\_22-S Major\_System  
Link Pipe\_24-S Major\_System

[MAP]  
DIMENSIONS 368125.20225 5007750.53645 368968.28075  
5008967.01655  
UNITS Meters

;;-----

[LABELS]  
;;X-Coord Y-Coord Label  
16.8 818.3 "100 YEAR STORM EVENT" "" "Arial" 10 0 0

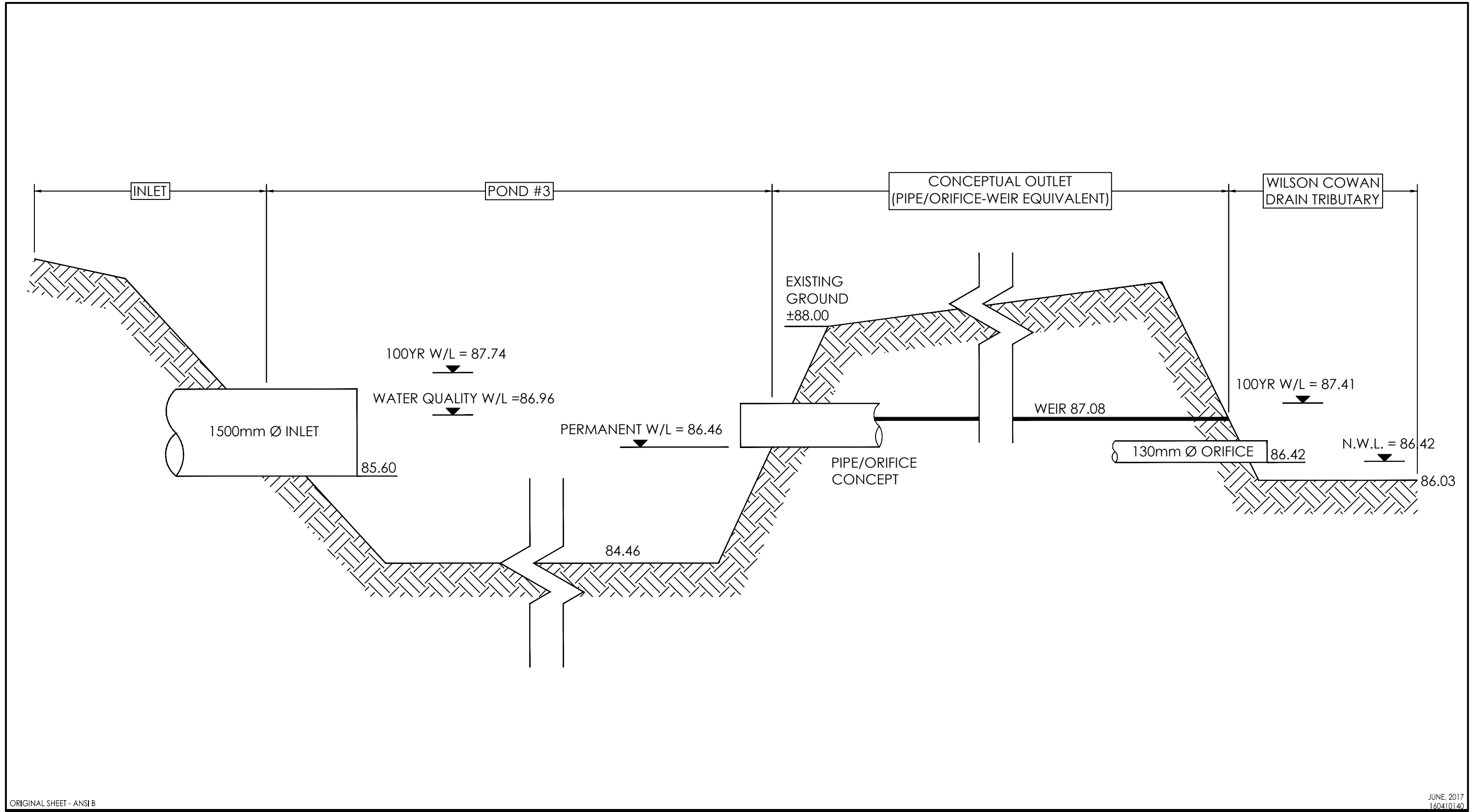
W:\active\1 Planning\_Landscape\1604 Projects\160410140\_Mahogany Stage 2+ Development\design\drawing\160410140-DB.dwg  
2017/06/16 9:50 AM By: Thiffault, Dustin



ORIGINAL SHEET - ANSI B

JUNE, 2017  
160410140

W:\active\1 Planning\_Landscape\1604 Projects\160410140\_Mahogany Stage 2+ Development\design\drawing\160410140-DB.dwg  
2017/06/16 9:50 AM By: Thiffault, Dustin



ORIGINAL SHEET - ANSI B

JUNE, 2017  
160410140



**Project No. 160410140 - Mahogany Stage 2 Pond 2**

**Stormwater Quality Volumetric Requirements**

Pond	Drainage Area (ha)	Actual % Imp.	MOE Control Level	Water Quality Unit Volume Requirements			Water Quality Volume Requirements			Water Quality Volumes Provided			Actual Provided Unit Volume (m <sup>3</sup> /ha)
				Total Unit Volume (m <sup>3</sup> /ha)	Permanent Pool (m <sup>3</sup> /ha)	Extended Detention (m <sup>3</sup> /ha)	Permanent Pool (m <sup>3</sup> )	Extended Detention (m <sup>3</sup> )	Total MOE Volume	Permanent Pool (m <sup>3</sup> )	Extended Detention (m <sup>3</sup> )	Total MOE Volume	
Mahogany Pond 2	55.86	50.7	Enhanced - 80% TSS Removal	179.3	139.3	40	7,779	2,234	10,013	23,098	10,850	33,948	608

- Water quality unit volume requirements based on interpolation for imperviousness requirements from Table 3.2, Stormwater Management Planning & Design Manual (MOE, 2003)

For use in Interpolation of above formulae

	%	Wetpond				Wetland			
		0	35	55	70	85	35	55	70
Enhanced - 80% TSS Removal	0	140	190	225	250	80	105	120	140
Normal - 70% TSS Removal	0	90	110	130	150	60	70	80	90
Basic - 60% TSS Removal	0	60	75	85	95	60	60	60	60

Project No. 160410140 - Mahogany Stage 2 Pond 2  
 Stage-Storage-Discharge Summary

The stage-storage-discharge relationship used to identify components required in PC-SWMM model which will incorporate backwater conditions.

Stage (m)	Discharge (m³/s)	Storage		Depth (m)	Forebay			Main Cell		
		Active (m³)	Total* (m³)		Area (m²)	Incremental Volume (m³)	Accumulated Volume (m³)	Area (m²)	Incremental Volume (m³)	Accumulated Volume (m³)
83.50		0	0	0.00	3,000	0	0	7,000	0	0
85.50		0	23,098	2.00	4,800	7,800	7,800	9,200	16,200	16,200
86.20		10,850	33,948	0.70	4,800	3,360	11,160	12,200	7,490	23,690
86.70		20,100	43,198	1.20	4,800	2,400	13,560	15,200	6,850	30,540
87.00		26,250	49,348	1.50	4,800	1,440	15,000	16,200	4,710	35,250

\* Total pond including forebay, excluding sediment storage (see forebay calculations)

Project No. 160410140 - Mahogany Stage 2 Pond 2

Detailed Outlet Structure Discharge Calculations

Elevation (m)	Discharge (m³/s)							Parameters		
	Overflow Outlet		Piped Outlet				Weir 1	Total Discharge	Orifice 1	
	Spillway	Total	Orifice 1	Orifice 2	Control					
83.50									Orifice Centre 85.65 m	Perimeter 0.942 m
85.50							0.000		Orifice Invert 85.50 m	Area 0.0707 m²
86.20	0.000	0.000	0.157	0.000		0.000	0.157		Orifice Diameter 300 mm	Orifice Coeff. 0.65
86.70	0.000	0.000	0.206	0.000		0.000	4.207		Orientation	Permanent Pool
87.00	0.000	0.000	0.230	0.000		0.000	8.515		Vertical	85.50 m
	0.000	0.000		0.000		0.000	0.000		Orifice 2	
	0.000	0.000		0.000		0.000	0.000		Orifice Centre	Perimeter
	0.000	0.000		0.000		0.000	0.000		100.15 m	0.942 m
	0.000	0.000		0.000		0.000	0.000		Orifice Invert	Area
	0.000	0.000		0.000		0.000	0.000		100.00 m	0.0707 m²
	0.000	0.000		0.000		0.000	0.000		Orifice Diameter	Orifice Coeff.
	0.000	0.000		0.000		0.000	0.000		300 mm	0.61
	0.000	0.000		0.000		0.000	0.000		Orientation	
	0.000	0.000		0.000		0.000	0.000		Vertical	
									Weir 1	
									Top of Weir Structure 88.00 m	Max Perimeter 7.000 m
									Weir Crest Invert 86.20 m	Max Open Area 12.600 m²
									Weir Dimensions (Height x Length)	
									1.80 m Height	7.00 m Len
									Side Walls	Weir Coeff.
									Vertical	1.700

- Outlet structure consists of reverse-sloped lowflow pipe connected to orifice #1 (created by equivalent sluice gate orientation)
- Secondary outlet is Weir#1 in weir wall inside structure
- Tertiary outlet is Overflow Weir#1 on outside face of outlet structure

7 m long weir at inv. = 86.2  
 300 mm lowflow outlet at inv. = 85.5 m

Water Quality Extended Detention Summary

Required Extended Detention Time	24-48 hrs for water quality drawdown
Actual Extended Detention Time	43 hrs
Extended Detention Elevation	86.20 m
	$Q_{peak}$ 0.092 m³/s
	$Q_{avg}$ 0.046 m³/s

	Discharge Rates from PCSWMM (m³/s)				Pond Volume (m3)
	Storm	Pond Inflow	Pond Outflow	Water Level	
Watershed Area (ha)	55.86	3.14	0.09	85.79	27593
Percent Impervious	50.7%	4.58	0.11	86.06	31778
Water Quality Criteria Enhanced - 80% TSS Removal		6.58	0.32	86.27	35243
Req'd Ext. Det. Volume (m³/ha)	40	14.00	3.73	86.65	42273
Req'd Ext. Det. Volume (m³)	2,234	17.56	2.95	86.58	40978
Provided Ext. Det. (m³)	10,850	20.63	4.66	86.73	43813
Req'd Perm. Pool Volume (m³/ha)	179.3	12.55	5.04	86.75	44223
Req'd Perm. Pool Volume (m³)	7,779				
Provided Perm. Pool Volume (m³)	23,098				

$$Q = CA \sqrt{2g \left( h_2 - h_1 + \frac{D}{2000} \right)}$$

Where:

- h2 = elevation at stage 2 (m)
- h1 = elevation at stage 1 (m)
- D = orifice diameter (mm)
- C = orifice coefficient
- A = orifice open area (m²)

$$Q = CL (h_2 - h_1)^{1.5}$$

- h2 = elevation at stage 2 (m)
- h1 = elevation at stage 1 (m)
- L = weir crest length (m)
- C = weir coefficient

Weir flow calculation for orifice below centreline:

$$\theta = 2 \cos^{-1} \left( 1 - \frac{2h}{D} \right) = 2 \cos^{-1} \left( 1 - \frac{2h}{D} \right)$$

$$P_w = \frac{D \theta}{2}$$

- h = water level stage (m)
- D = orifice diameter (m)
- θ = angle based on water level (radians)
- Pw = Wetted Perimeter = Crest Length (m)

**Project No. 160410140 - Mahogany Stage 2 Pond 3**

**Stormwater Quality Volumetric Requirements**

Pond	Drainage Area (ha)	Actual % Imp.	MOE Control Level	Water Quality Unit Volume Requirements			Water Quality Volume Requirements			Water Quality Volumes Provided			Actual Provided Unit Volume (m <sup>3</sup> /ha)
				Total Unit Volume (m <sup>3</sup> /ha)	Permanent Pool (m <sup>3</sup> /ha)	Extended Detention (m <sup>3</sup> /ha)	Permanent Pool (m <sup>3</sup> )	Extended Detention (m <sup>3</sup> )	Total MOE Volume	Permanent Pool (m <sup>3</sup> )	Extended Detention (m <sup>3</sup> )	Total MOE Volume	
Mahogany Pond 3	21.79	55.3	Enhanced - 80% TSS Removal	190.8	150.8	40	3,285	872	4,156	3,967	1,884	5,852	269

\*Enhanced Water Level protection as specified by Gloucester EUC Phase 2 ISSU (September 2013)

- Water quality unit volume requirements based on interpolation between 60% and 70% imperviousness requirements from Table 3.2, Stormwater Management Planning & Design Manual (MOE, 2003)

For use in Interpolation of above formulae

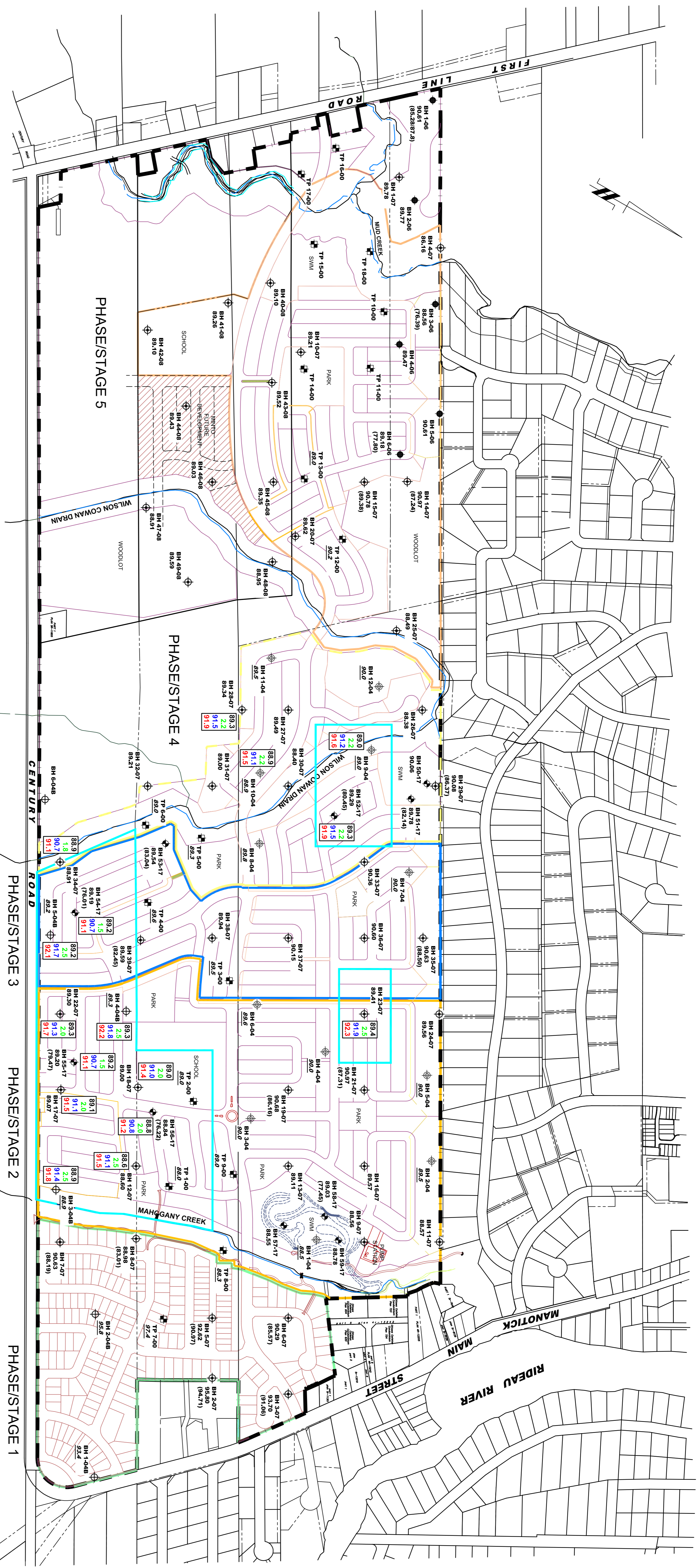
	%	Wetpond				Wetland			
		0	35	55	70	85	35	55	70
Enhanced - 80% TSS Removal	0	140	190	225	250	80	105	120	140
Normal - 70% TSS Removal	0	90	110	130	150	60	70	80	90
Basic - 60% TSS Removal	0	60	75	85	95	60	60	60	60



**Table 3: Permissible Grade Raise at Borehole Locations**

Borehole Number	Ground Elev. (m)	Permissible Grade Raise - No LWF		Permissible Grade Raise - LWF	
		Raise (m)	Fin. Grade (m)	Raise (m)	Fin. Grade (m)
<b>Mahogany Stage 2</b>					
BH 55-17	89.20	1.50	90.70	1.90	91.10
BH 56-17	88.80	2.00	90.80	2.40	91.20
BH 12-07	88.60	2.50	91.10	2.90	91.50
BH 17-07	89.10	2.00	91.10	2.40	91.50
BH 18-07	89.00	2.00	91.00	2.40	91.40
BH 22-07	89.30	2.00	91.30	2.40	91.70
BH 23-07	89.40	2.50	91.90	2.90	92.30
BH 3-04B	88.90	2.50	91.40	2.90	91.80
BH 4-04B	89.30	2.50	91.80	2.90	92.20
<b>Mahogany Stage 3</b>					
BH 54-17	89.20	1.50	90.70	1.90	91.10
BH 34-07	88.90	1.80	90.70	2.20	91.10
BH 5-04B	89.20	2.50	91.70	2.90	92.10
<b>Mahogany Stage 4</b>					
BH 52-17	89.30	2.20	91.50	2.60	91.90
BH 28-07	89.30	2.20	91.50	2.60	91.90
BH 9-04	89.00	2.20	91.20	2.60	91.60
BH 10-04	88.90	2.20	91.10	2.60	91.50
<b>Notes:</b>					
1. "Permissible Grade Raises - No LWF" are based on conventional wood-frame single home or town home housing construction with normal weight fill within garage, porch or floor slabs-on-grade (for back-to-back town home homes).					
2. "Permissible Grade Raises - LWF" are based on installing EPS LWF in garages and porches and/or under slab-on-grade floors. Up to 0.4 to 0.6 m of additional grade raise can be achieved using LWF in garages and porches for singles and town homes.					
3. Permissible Grade Raises - No LWF values for boreholes not listed can be taken to be 3.0 m and may be greater, based on specific geotechnical review.					





PERMISSIBLE GRADE RAISE LEGEND:

AREAS OF SPECIFIC GRADE RAISE RESTRICTIONS

INTERPRETED ORIGINAL GROUND ELEVATION (m)

PERMISSIBLE GRADE RAISE (m)

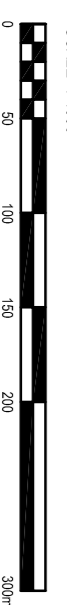
PERMISSIBLE FINISHED GRADE (m)

MAX. FINISHED GRADE LIGHTWEIGHT FILL (LWFF)

- NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ACCOMPANYING FILE PG4008-REP-01
  - WHERE PERMISSIBLE GRADE RAISE IS NOT SPECIFIED, IT IS AT LEAST 3.0m. HIGHER GRADE RAISES COULD BE PERMISSIBLE TO CASE-BY-CASE BASIS.
  - PHASE/STAGE 5 IS NOT INCLUDED IN THE GRADE RAISE ANALYSIS AND RECOMMENDATIONS.

LEGEND:

- BOREHOLE LOCATION, CURRENT 2017 INVESTIGATION
  - BOREHOLE LOCATION, PREVIOUS INVESTIGATION (PATERSON GROUP REPORT PG0675-6) 2007-2008
  - BOREHOLE LOCATION, PREVIOUS INVESTIGATION (PATERSON GROUP REPORT PG0328-1) 2004
  - BOREHOLE LOCATION, PREVIOUS INVESTIGATION (PATERSON GROUP REPORT PG0219-1) 2004
  - TEST PIT LOCATION, PREVIOUS INVESTIGATION (JCPA REPORT G7840-1) 2000
  - GROUND SURFACE ELEVATION (m)
  - APPROX. GROUND SURFACE ELEVATION (m)
  - PRACTICAL REFUSAL TO AUGERING/DEPTH ELEVATION (m)
- BOREHOLE LOCATIONS AND GROUND SURFACE ELEVATIONS AT BOREHOLE LOCATIONS PROVIDED BY ANNIS, OSUULIVAN, VOLLEBERG LTD. APPROXIMATE GROUND ELEVATIONS AT OLDER TEST HOLES INTERPOLATED FROM TOPOGRAPHY.



SCALE: 1:4000

NO.	REVISIONS	DATE	INITIAL
0			

MINTO COMMUNITIES INC.  
GEOTECHNICAL INVESTIGATION  
PROPOSED RESIDENTIAL DEVELOPMENT - MAHOGANY COMMUNITY  
OTTAWA (MANOTICK), ONTARIO

**PERMISSIBLE GRADE RAISE PLAN**

Scale:	1:4000	Report No.:	PG4008-REP-01
Drawn by:	RCG	Drawing No.:	
Checked by:	AJT		
Approved by:	AJT		
Date:	08/2017	Revision No.:	0