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## SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

### Comments - Commentaires

Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution  
Atlantic Region Acquisitions/Région de l'Atlantique  
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Halifax, N.S./Halifax, (N.E.)  
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Nova Scot

<b>Title - Sujet</b> NORTHWEST BRIDGE RECONSTRUCTION	
<b>Solicitation No. - N° de l'invitation</b> EA011-150877/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> EA011-15-0877	<b>Date</b> 2014-09-08
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWA-122-5120	
<b>File No. - N° de dossier</b> PWA-4-72027 (122)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-09-25</b>	<b>Time Zone</b> Fuseau horaire Atlantic Daylight Saving Time ADT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Chinye (PWA), Chukwudi	<b>Buyer Id - Id de l'acheteur</b> pwa122
<b>Telephone No. - N° de téléphone</b> (902) 496-5476 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation

EA011-150877/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

pwa122

Client Ref. No. - N° de réf. du client

EA011-15-0877

File No. - N° du dossier

PWA-4-72027

CCC No./N° CCC - FMS No/ N° VME

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Due to the technical nature of this amendment, it will ONLY be available in English.

Amendment 001 is raised to answer the following question:

**Question :** In section 4.1 of the project brief, it says that a survey and inspection report are available. Are these available now, or are they only available after award? If so, can we request a copy through you or shall we contact the Corner Brook office directly?

**Answer to Question 1:** Find attached the survey and inspection reports.

All Other Terms and Conditions Remain the Same.

# STRUCTURAL INSPECTION OF NORTHWEST RIVER BRIDGE (No. 21),

Terra Nova National Park, NL

Prepared for:



Public Works and  
Government Services  
Canada  
Travaux publics et  
Services gouvernementaux  
Canada

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

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B01	2010/03/08	T. Barkhouse/ 	S. Rajendram/ 
Revision	Date (y/m/d)	Prepared By:/Initials	Approved By:/Initials

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## **1.0 INTRODUCTION**

Public Works and Government Services Canada (PWGSC) retained SNC-Lavalin Inc. (SLI) to conduct a visual inspection of and provide recommendations for the existing Northwest River Bridge (No. 21) located on the Trans-Canada Highway in Terra Nova National Park, Newfoundland and Labrador. This report presents findings of the investigation, including discussion of the structure, identification of observed conditions (including photos), analysis of remediation options, and recommendations for remedial work.

### **1.1 DESCRIPTION OF WORK**

On January 26<sup>th</sup> and 27<sup>th</sup> 2010, Steve Rajendram, Senior Structural Engineer, and Todd Barkhouse, Structural Engineer, visited the bridge structure to carry out a visual inspection of the bridge components. The Engineers were accompanied by two members of PWGSC park staff during the inspections.

This inspection included observation of all bridge components that were reasonably visible from standing positions on and around the structure. A Hammer test was conducted on the concrete deck wearing surface to determine areas of delamination. The weather was clear during the inspection, conditions were dry and there was very minimal ground snow cover.

A detailed record of the field observations from this inspection is provided in Appendix A. This record identifies and briefly describes the observed conditions in chart form and provides structural condition ratings, priority codes and recommendations for the bridge element(s) as described in Section 2.0 below.

A selection of digital photographs is provided in Appendix B. The photographs illustrate the report and provide a detailed record of the condition of the structural elements on the days of the inspection.

Schematic sketches of the bridge components are provided in Appendix C. The sketches graphically identify the locations and extent of the observed conditions.

### **1.2 FACILITY DESCRIPTION**

Northwest River Bridge was constructed in 1961 on the Trans-Canada Highway in Terra Nova National Park, NL. Significant repairs to the bridge were conducted in 1992. The bridge carries two lanes of highway traffic with an overall deck width of 9.75 m. The two-span bridge crosses the Northwest River. Each of the two 22.86 meter long spans consists of concrete deck

supported on six, simply supported prestressed concrete girders. The girder spans are supported by a central concrete pier located mid-river and two concrete abutments located at the East and West river banks.

All recommendations are based on the visual observations and the presumption that the bridge was aptly designed in accordance with applicable bridge design standards at the time of original construction.

## **2.0 RATING SYSTEM**

The condition of the bridge components is presented in detail in Appendix A. Each of the bridge components is rated based on its observed condition by use of a Condition Rating. In addition, a Priority Code is assigned to each component indicating the level of urgency for any recommended repairs or action.

### **2.1 CONDITION RATINGS**

The Condition Ratings provided in Appendix A conform to the NBI Condition Rating System<sup>1</sup>. The rating system is used as a standard means to identify the condition of the bridge components. The rating codes vary from "9" (Excellent Condition) to "0" (Failed Condition). A more detailed description of each rating code is provided at the beginning of Appendix A for reference.

### **2.2 PRIORITY CODES**

The Priority Codes provided in Appendix A are assigned a letter value varying from "A" (Immediate Action) to "E" (No Action). A more detailed description of each priority code is provided at the beginning of Appendix A for information.

## **3.0 SUMMARY OF FINDINGS AND REMEDIATION OPTIONS**

SNC Lavalin noted deficiencies during the visual inspection and has provided recommended action in Appendix A. These deficiencies and recommendations are summarized as follows:

- Bridge Approaches: No hazard markers are provided at the bridge approaches, provide signage.

- Embankments and Waterway: There is evidence of localized soil erosion at the embankment slopes by the four wingwalls. Monitor the erosion and repair as required.
- Deck Slab and Curbs: There is spalling, cracking and deteriorated concrete at the deck and curb soffits outside the exterior girders (typically along the entire length of the bridge on both sides). Further investigation is required to determine whether, and to what extent repairs are required.
- Deck Joints: The centre and west deck joints are damaged and there are signs of water infiltration through the joints. SNC Lavalin recommends repairing the joints as well as clearing debris on pier below.
- Prestressed Concrete Girders: There is significant spalling of girder concrete in three locations (Girder G1-East at the East Abutment; Girder G1-West at the Pier; and Girder G5-East at the Pier). Repair these three locations to prevent continued deterioration.
- Bearings and Bearing Seats: Although only inspected from the ground with the use of binoculars, the bearings were noted to have severely deteriorated. There is not sufficient clearance between the underside of the girders and the top edge of the supporting pier/abutment concrete to allow the girder to rotate under load. Further investigation required to determine condition of bearings and recommended action.
- Abutments: There are signs of significant concrete deterioration (cracking, spalling, rust staining, efflorescence and erosion) throughout the abutments, wingwalls and retaining walls at each end of the structure. SNC Lavalin recommends measures to eliminate or control water infiltration into the concrete followed by repair of deteriorated concrete.
- Pier: There are signs of significant concrete deterioration (cracking, spalling, rust staining and efflorescence) particularly near the top of the pier. SNC Lavalin recommends measures to eliminate water infiltration from the deck joint followed by repair of deteriorated concrete.
- Top of Pier: the concrete at the top of the pier (for lateral restraint of the girders) is deteriorated. Further investigation is required to determine whether, and what type of repair is required.

The severity of the deficiencies above and the priority of the associated recommendations are indicated by the rating system as described in Section 2.0 above.

## **4.0 CONCLUSIONS AND RECOMMENDATIONS**

The structural visual inspection reveals that the Northwest River Bridge is being subjected to concrete deterioration. The concrete deterioration observed is mostly on the main deck soffit, precast concrete girder bearings and exposed surfaces of the pier, abutments and wingwalls. The main cause of the concrete deterioration is freeze-thaw action caused by constant water/salt-water infiltration from the bridge deck through damaged expansion joints. The age of the concrete bridge is also contributing to the deterioration.

There are several deficiencies requiring repair as outlined above. These deficiencies will continue to propagate without significant effort to control and reduce the flow of salt-water through and around the structural elements.

SNC Lavalin recommends implementation of a comprehensive repair plan with focus on remediating the existing deficiencies in a manner that reduces the effects of continued water damage. The purpose of the repairs will be to restore the condition of each structural bridge element to a level that is both satisfactory to structural requirements and coincident with the expected remaining lifespan of the structure.

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<sup>1</sup> NBI Condition Rating System as outlined in Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges by the United States Department of Transportation Federal Highway Administration (FHWA-PD-96-001)



# A

## Detailed Inspection Observations



**SNC • LAVALIN**

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## A.1 LEGEND OF RATING CODES

### A.1.1 CONDITION RATINGS

Condition Ratings are in accordance with NBI Condition Rating System as outlined in "Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges" by the United States Department of Transportation Federal Highway Administration (FHWA-PD-96-001).

For reference, condition Rating values are as follows:

<b>N/A</b>	<b>Not Applicable</b>
<b>9</b>	<b>Excellent Condition</b>
<b>8</b>	<b>Very Good Condition</b> - no problems noted.
<b>7</b>	<b>Good Condition</b> - some minor problems.
<b>6</b>	<b>Satisfactory Condition</b> - structural elements show some minor deterioration.
<b>5</b>	<b>Fair Condition</b> - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.
<b>4</b>	<b>Poor Condition</b> - advanced section loss, deterioration, spalling or scour.
<b>3</b>	<b>Serious Condition</b> - loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.
<b>2</b>	<b>Critical Condition</b> - advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.
<b>1</b>	<b>"Imminent" Failure Condition</b> - major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.
<b>0</b>	<b>Failed Condition</b> - out of service - beyond corrective action.

### **A.1.2 PRIORITY CODES**

Priority Codes are assigned to indicate the level of urgency of any repairs as necessary.

For reference, Priority Codes are as follows:

- A Immediate repairs required.
- B Repairs required in near-to-medium term to allow continued service of element.
- C Further Investigation required to determine extent of possible repairs.
- D No repairs required, but special monitoring required.
- E No special action required. Monitor as scheduled.

## A.2 DETAILED RECORD OF FIELD OBSERVATIONS

### A.2.1 BRIDGE APPROACHES

Photo Ref.*	Description	Observed Condition	CR†	Recommended Action	PC‡
Photos 1 & 2	Approaches	Little to no evidence of cracking, rippling or potholes in approach asphalt.  Marked roadway width is equal to bridge width, except asphalt shoulder narrows (total asphalt width narrows at bridge).	6	No special action required. Monitor as scheduled.	E
	Approach Slabs	No concrete approach slabs on either side of bridge.	N/A		N/A
Photo 3	Signage	There are no hazard width markers (S) on the bridge approaches. These signs are required when structure limits are within 2 m of the edge of the roadway.	N/A	Provide signage.	A
Photos 4 & 5	Approach Guardrail	Guardrails provided on both sides of both bridge approaches. Rail ends are buried.  Light Surface rust on steel guardrail.  Little to no signs of crushing, splitting or rot in timber members.	6	No special action required. Monitor as scheduled.	E

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

## A.2.2 EMBANKMENTS AND WATERWAY

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photos 6 & 7	Northwest River	Golf Course upstream of bridge  Rapids upstream and downstream	N/A	N/A	N/A
Photos 8 & 9	Embankments Behind Abutment Retaining Walls	Little to no vegetation at top. Grass, shrubs toward bottom.  Loose gravelly fill with rocks and debris  Lean concrete has been applied at top of embankments to reduce localized erosion from bridge run-off. Embankment slopes are supported by the abutment retaining walls.	4	Monitor erosion of embankments and repair as required.	D
Photos 10 & 11	Flow around Pier and Abutments	Flowing water and ice build-up on upstream side of pier and around abutment foundations.			

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.3 DECK SLAB

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photos 12 & 13	Deck Wearing Surface	Wearing surface consists of concrete deck.  Hammer test revealed areas of delamination. Refer to sketch in Appendix C.	4	Further investigation required to determine whether, and to what extent repairs are required.	C
Photo 14	Interior (between girders) Deck Soffit	Little to no signs of significant cracking, staining or spalling on deck soffit between girders.	6	No special action required. Monitor as scheduled.	E
Photos 15, 16 & 17	Exterior (outside girders) Deck Cantilever Soffit	Spalling, cracking and deteriorated concrete at deck and curb soffit outside girders (typically along entire length of bridge, both sides).	3	Further investigation required to determine whether, and to what extent repairs are required.	C

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

#### A.2.4 DECK JOINTS

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photos 18 & 19	East Deck Joint	Joint has been paved over with flexible material. No significant cracking or separation of joint material.  Signs of water infiltration onto bearings and East abutment below (possibly prior to latest repair).	5	Monitor water infiltration through joint to determine effectiveness.	C
Photos 20, 21 & 22	Centre Deck Joint	Seal joint installed as part of previous deck repair.  Signs of significant water infiltration onto bearings and Pier below.  Rough ride across the joint.  Pieces of debris and formwork are resting on the pier between bearing lines below joint.	3	Repair joint.  Remove debris from pier. Verify that slab soffit above pier is sound.	B
Photos 23, 24 & 25	West Deck Joint	Seal joint installed as part of previous deck repair.  Joint steel edge is broken. Concrete has broken away at edges. Broken areas are filled with asphalt patching.  Rough ride across the joint.  Signs of significant water infiltration onto bearings and West Abutment below.	3	Repair joint.	B

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend



### A.2.5 BARRIERS

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photos 26, 27 & 28	Endwalls	Concrete endwalls are notched at connection with guardrail and at bridge railings.  Cracked and damaged concrete at rounded curb ends under endwalls.	4	Repair damaged curb under endwall.	B
Photos 29, 30, 31 & 32	Bridge Railings	Light surface corrosion typically along length of aluminum railings.  Light to moderate progressive corrosion in aluminum railings where railings abut concrete endwalls.  Scratched due to possible impact at south-east endwall.	5	Railing type and connection to endwall does not meet requirements as outlined in the Canadian Highway Bridge Design Code (CAN/CSA S6-06).  Consider upgrade.	C
Photos 33, 34 & 35	Curbs	Spalling, cracking and deteriorated concrete at curb soffit.  Longitudinal crack on top surface of north curb.	3	Further investigation is required to determine whether, and to what extent repairs are required.	C

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.6 DECK DRAINS

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photos 36, 37, 38 & 39	Drain Pipes	Deck drains direct water away from piers and abutments. Angle of discharge parallel with girders.  Insides of drains appear clear and free from obstruction.	5	Monitor discharging water (including leaks) to ensure significant levels of water do not splash onto structural concrete members.	C
Photo 40	Abandoned Drainage Pipe Leaders	There are existing drainage pipe leaders at each side of each abutment. These abandoned drainage pipes no longer accept drain water from the bridge deck.	N/A	Remove	B

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.7 GIRDERS (EAST SPAN)

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photo 41	Girders along Spans	Little to no significant signs of cracking, spalling or staining.	6	No special action required. Monitor as scheduled.	E
Photos 42, 43, 44 & 45	Girders Near Bearings at East Abutment	Girder G1: Spalling at girder near support. Longitudinal reinforcing bar exposed. Rust Staining.	3	Repair East Girder G1 near bearing to prevent continued deterioration.	B
		Girder G2: Rust Staining at girder end.	4		
		Girders G3, G4, G5, and G6: No significant signs of cracking, spalling or staining.	6		
Photos 46, 47 & 48	Girders near Bearings at East Side of Pier	Girder G1: Cracking at bearing. Small area broken off	4	Repair East Girder G5 near Pier to prevent continued deterioration	B
		Girders G2: No significant signs of cracking, spalling or staining.	6		
		Girder G3: Crack at bearing. Small area broken off.	5		
		Girder G4: No significant signs of cracking, spalling or staining.	6		
		Girder G5: Spalling at girder near support. Longitudinal reinforcing bar exposed. Rust Staining.	3		
		Girder G6: Rust staining at girder end.	4		
Photo 49	Diaphragms	Little to no significant signs of cracking, spalling or staining.	6	No special action required. Monitor as scheduled.	E

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.8 GIRDERS (WEST SPAN)

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photos 50 & 51	Girders along Spans	Little to no significant signs of cracking, spalling or staining.	6	No special action required. Monitor as scheduled.	E
Photos 52, 53, 54 & 55	Girders Near Bearings at West Side of Pier	Girder G1: Spalling and delamination at north side face of girder. Shear reinforcing exposed.	3	Repair girder G1 near bearing to prevent continued deterioration.	A
		Girder G2: Crack at bearing. Small area broken off.	5		
		Girders G3 and G4: No significant signs of cracking, spalling or staining.	6		
		Girder G5: Crack at bearing.	5		
		Girder G6: No significant signs of cracking, spalling or staining.	6		
Photos 56 & 57	Girders at West Abutment	Girder G1: Rust staining at underside of bearing.	5	Monitor girder ends for spalls.	D
		Girders G2, G3, and G4: No significant signs of cracking, spalling or staining.	6		
		Girder G5: Rust staining at underside of bearing.	5		
		Girder G6: No significant signs of cracking, spalling or staining.	6		
Photo 49 (sim.)	Diaphragms	Little to no significant signs of cracking, spalling or staining.	6	No special action required. Monitor as scheduled.	E

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.9 BEARINGS AND BEARING SEATS

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
	Bearings and Bearing Seats at Pier and Abutments	<p>Bearings were not accessed for arms-length observation during this visual inspection; however, the bearings were inspected from the ground with the use of binoculars.</p> <p>The bearings were noted to have severely deteriorated. There is not sufficient clearance between the underside of the girders and the top edge of the supporting pier/abutment concrete to allow the girder to rotate under load.</p>		Further investigation required to determine condition of bearings.	C

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.10 EAST ABUTMENT

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photo 58	Abutment Face	Medium cracking with efflorescence and rust stains particularly under girder bearing seats and particularly in patched areas.	3	Repair damaged areas of concrete.	B
Photo 59	North-East Wingwall	Pattern cracking, localized spalling and efflorescence in wingwall face.  Minor pattern cracking in patched areas.	4		
	North-East Retaining Wall	Pattern cracking, localized spalling and efflorescence in retaining wall face.  Minor pattern cracking in patched areas.	4		
Photos 60 & 61	South-East Wingwall	Significant concrete spalling and pattern cracking.	3		
Photo 62	South-East Retaining Wall	Medium cracks through parged surface with efflorescence and rust staining.  Exposed rebar and loose concrete at top of wall.	4	Further investigation required to determine whether ports are functioning properly.	C
Photo 70 (sim.)	Drainage Ports	Filled with debris.  No active water running through ports.	3		

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.11 WEST ABUTMENT

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photo 56	Abutment Face	Severe erosion of concrete at southwest corner of abutment.  Medium horizontal cracks with efflorescence and rust staining in patched and original concrete.	4	Repair areas of damaged or eroded concrete.	B
Photo 64	North-West Wingwall	Medium pattern cracks from alkali aggregate reaction including through parging repair.	5		
Photo 65	North-West Retaining Wall	Medium pattern cracking and surface scaling on exposed face of wall with efflorescence staining.  Repair concrete in fair condition with light pattern cracking.	5		
Photos 66 & 67	South-West Wingwall	Severe spalling in original (unpatched) portions of wingwall. Medium cracks in patched areas.	4		
Photos 68 & 69	South-West Retaining Wall	Surface scaling on wingwall.  Footing exposed and very severely eroded.  Medium pattern cracks from alkali aggregate reaction in patched concrete.	3	Repair existing footing and protect from continued erosion.	B
Photo 70	Drainage Ports	Filled with debris.  No active water running through ports.	3	Further investigation required to determine whether ports are functioning properly	C

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend

### A.2.12 PIER

Photo Ref.*	Description	Observed Condition	CR <sup>†</sup>	Recommended Action	PC <sup>‡</sup>
Photo 71	East Face	Vertical crack with efflorescence staining originating between girders G4 and G5 (at interface between full-height repaired area and original concrete). Large area of spalled concrete near bottom of crack.  Additional medium pattern cracking on face of pier with moderate efflorescence staining.	4	Repair areas of damaged concrete	B
Photo 72	West Face	Vertical crack with efflorescence staining originating between girders G4 and G5 (at interface between full-height repaired area and original concrete).  Additional medium pattern and horizontal cracking on face of pier.	5		
Photo 73	North End	Steel face plate on upstream end of pier is rusted.  Medium cracks in concrete repair at top of pier end.	4	No special action required. Monitor as scheduled.	E
Photo 74, 75 & 76	South End	Deteriorated concrete at top of pier end with delamination, cracking, efflorescence and rust stains.	3	Further investigation is required to determine whether, and what type of repair is required.	C

\* Referenced Photos are located in Appendix B

† CR = Condition Rating, as described in Section A.1 - Legend

‡ PC = Priority Code, as described in Section A.1 - Legend



# B Photographs of Bridge



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**Photo 1** - Bridge approach from the West side looking East (toward St. John's).



**Photo 2** - Bridge approach from the East side looking West (toward Gander).



**Photo 3** - Typical bridge end wall. Note: No hazard markers (  ) are provided on the bridge.



**Photo 4** - Connection of galvanized steel approach guardrail to bridge structure.





**Photo 5** - Timber members supporting approach guardrail.



**Photo 6** - Aerial view of bridge showing Northwest River.  
(Photo from <http://maps.google.com>.)



**Photo 7** - View of bridge elevation from upstream, (South).



**Photo 8**- Embankment behind abutment retaining walls (typical at each side of both abutments).





**Photo 9** - Embankment behind abutment retaining walls. Lean concrete applied to reduce localized erosion.



**Photo 10** - Flowing water and ice build-up on upstream (South) side of pier and abutments.



**Photo 11** - Flowing water and ice build-up around pier and abutments.



**Photo 12**- Exposed concrete deck as wearing surface.





**Photo 13** - Exposed concrete deck as wearing surface.



**Photo 14** - Deck soffit between girders (typ.).





**Photo 15** - Deck soffit outside girders (typ.).



**Photo 16** - Deck soffit outside girders near abutment.



**Photo 17** - Deck soffit outside girders near abutment.



**Photo 18** - East expansion joint paved over with flexible material (asphalt plug).



**Photo 19** - East expansion joint at curb.



**Photo 20** - Centre deck joint.





**Photo 21** - Centre deck joint at curb.



**Photo 22** - Debris and signs of significant water infiltration through centre joint above.



**Photo 23** - West expansion joint.



**Photo 24** - Missing steel edge (one side) and asphalt patching at West expansion joint.





**Photo 25** - Curb at west expansion joint.



**Photo 26** - Elevation view of typical end wall. Note notching for bridge railings and for guardrail.



**Photo 27** - Damaged concrete at end wall.



**Photo 28-** Cracked and damaged concrete at rounded curb ends under end walls.





**Photo 29** - Typical aluminum bridge rail post.



**Photo 30** - Bridge railings on North side of stricture.





**Photo 31** - Bridge rail at end wall.



**Photo 32** - Scratched bridge rail due to possible impact at south-east endwall.



**Photo 33** - Deteriorated concrete at curb soffit.



**Photo 34** - Deteriorated concrete at curb soffit near abutment.





**Photo 35** - Deteriorated concrete at curb soffit near abutment.



**Photo 36** - Deck drain pipes on North (downstream) side of structure (similar on South side).



**Photo 37** - Typical deck drain pipe.



**Photo 38** - Typical deck drain from above.



**Photo 39** - View inside typical deck drain pipe.



**Photo 40** - Abandoned drainage pipe leader (typical at both sides of each abutment).





**Photo 41** - Concrete girders from below (East span).



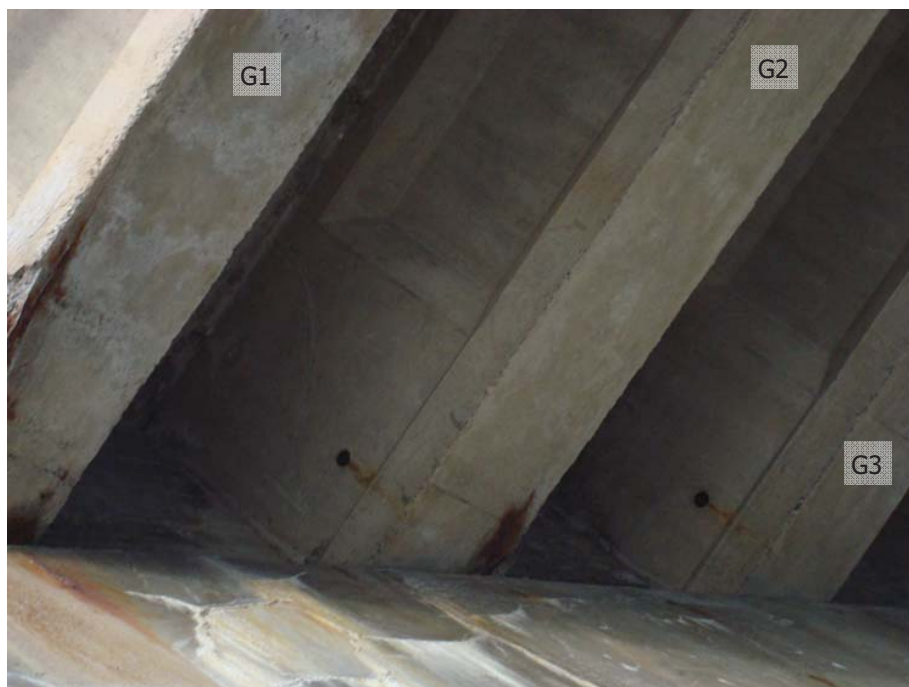
**Photo 42** - Girders bearing on East abutment.



**Photo 43** - Girders bearing on East abutment.



**Photo 44** - Girders bearing on East abutment.



**Photo 45** - Girders bearing on East abutment



**Photo 46** - Girders bearing on East side of pier.





**Photo 47** - Girders bearing on East side of pier.



**Photo 48** - Girders bearing on East side of Pier.



**Photo 49** - Typical cast-in-place concrete diaphragm between girders.



**Photo 50** - Girders along West span as viewed from below.



**Photo 51** - Side view of typical exterior precast concrete girder.



**Photo 52** - Girders bearing on west side of Pier.





**Photo 53** - Spalling and delamination on side face of Girder G1 (West Span) over pier.



**Photo 54** - Girders bearing on west side of Pier.



**Photo 55** - Girders bearing on west face of Pier.



**Photo 56** - Girders bearing on West Abutment.



**Photo 57** - Girders bearing on West Abutment.



**Photo 58** - East Abutment.





**Photo 59** - North-East Wing Wall.



**Photo 60** - Lower section of South-East Wing Wall





**Photo 61** - Upper section of South-East Wing Wall showing significant pattern cracking and concrete spalling.



**Photo 62** - South-East Retaining Wall



**Photo 63** - West Abutment



**Photo 64** - North-West Wing Wall.





**Photo 65** - North-West Retaining Wall.



**Photo 66** - Severe spalling in South-West corner of West Abutment.



**Photo 67** - South-West Wing Wall.



**Photo 68** - South-West Retaining Wall.





**Photo 69** - Very severe erosion of South-West Retaining Wall footing.



**Photo 70** - View inside typical retaining wall and abutment drainage port.



**Photo 71** - East face of Pier showing vertical crack with efflorescence staining originating between girders G4 and G5.



**Photo 72** - West face of Pier showing vertical crack with efflorescence staining originating between girders G4 and G5.





**Photo 73** - Steel face plate on upstream end of pier. Rusted.



**Photo 74** - South End of Pier. Note deteriorated concrete at top.





**Photo 75** - Deteriorated concrete at top of pier end with delamination, cracking, efflorescence and rust stains.



**Photo 76**- Deteriorated concrete at top of pier end with delamination, cracking, efflorescence and rust stains.

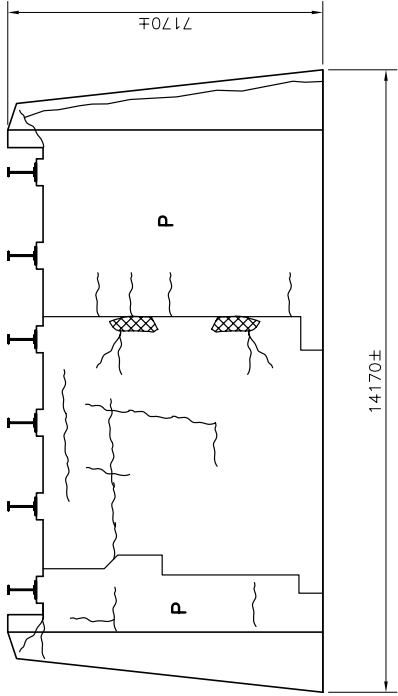
# C Sketches



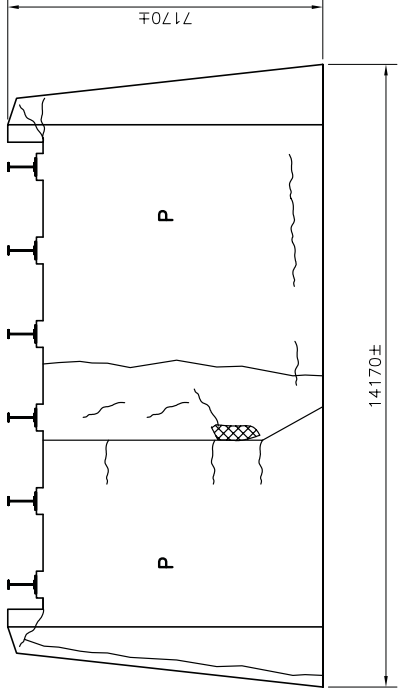
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PIER ELEVATION - WEST FACE  
(N.T.S.)



PIER ELEVATION - EAST FACE  
(N.T.S.)

LEGEND	
	= DELAMINATIONS
	= SPALLS
	= SCALING
	= CRACK
	= CORRODED STEEL
	= HONEYCOMBED AREAS
	= PATCH

<b>SNC-LAVALIN</b> SNC-LAVALIN Inc. Halifax, Nova Scotia, Canada Telephone: (902) 492-4544 Fax: (902) 492-4540 Member of the SNC-LAVALIN Group	Public Works and Government Services Canada Travaux publics et Services gouvernementaux Canada	project STRUCTURAL INSPECTION OF NORTHWEST RIVER BRIDGE (No. 21)	Drawing title EAST/WEST PIER ELEVATIONS	Titre du dessin EAST/WEST PIER ELEVATIONS	designed T.B. drawn J.P. approved S.R.	date MAR. 8/10 date date date
	Tender N/A	Submission N/A	project number 020794-0001	no. du projet 020794-0001	drawing no. SSK-3	no. du dessin SSK-3







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102	5361998	215391.6	34.899 GSVCTRL
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375	5362646	216244.2	21.213	EDGPVRD
376	5362647	216249.7	21.415	EDGPVRD
377	5362651	216269.6	22.024	EDGPVRD
378	5362655	216289.8	22.588	EDGPVRD
379	5362658	216309.9	23.183	EDGPVRD
380	5362661	216329.8	23.742	EDGPVRD
381	5362662	216350.5	24.194	EDGPVRD



382	5362661	216371.2	24.544	EDGPVRD
383	5362661	216391.2	25.019	EDGPVRD
384	5362660	216411.1	25.415	EDGPVRD
385	5362659	216431.3	25.793	EDGPVRD
386	5362658	216451.6	26.115	EDGPVRD
387	5362655	216471.6	26.347	EDGPVRD
388	5362652	216491.6	26.629	EDGPVRD
389	5362649	216511.4	26.831	EDGPVRD
390	5362644	216531.2	26.964	EDGPVRD
391	5362639	216550.6	27.104	EDGPVRD
392	5362633	216570.1	27.186	EDGPVRD
393	5362627	216589.1	27.185	EDGPVRD
394	5362619	216607.8	27.139	EDGPVRD
395	5362612	216626.5	27.1	EDGPVRD
396	5362603	216644.9	27.004	EDGPVRD
397	5362594	216662.9	26.853	EDGPVRD
398	5362585	216680.9	26.69	EDGPVRD
399	5362575	216698.2	26.354	EDGPVRD
400	5362564	216715.3	25.937	EDGPVRD
401	5362553	216732	25.546	EDGPVRD
402	5362542	216748.8	25.041	EDGPVRD
403	5362531	216765.6	24.536	EDGPVRD
404	5362520	216782.2	24.086	EDGPVRD
405	5362509	216798.8	23.607	EDGPVRD
406	5362498	216815.6	23.08	EDGPVRD
407	5362487	216832.4	22.477	EDGPVRD
408	5362476	216849.2	21.859	EDGPVRD
409	5362465	216865.8	21.169	EDGPVRD
410	5362454	216882.5	20.428	EDGPVRD
411	5362443	216899.3	19.642	EDGPVRD
412	5362432	216916	18.755	EDGPVRD
413	5362421	216932.7	17.915	EDGPVRD
414	5362410	216949.5	17.015	EDGPVRD
415	5362399	216966.2	16.283	EDGPVRD
416	5362388	216982.8	15.568	EDGPVRD
417	5362377	216999.5	14.905	EDGPVRD
418	5362366	217016.4	14.277	EDGPVRD
419	5362355	217033	13.776	EDGPVRD
420	5362344	217026	13.823	EDGSHLD
421	5362356	217009.4	14.271	EDGSHLD
422	5362367	216992.7	14.769	EDGSHLD
423	5362378	216976	15.436	EDGSHLD
424	5362389	216959.3	16.097	EDGSHLD
425	5362400	216942.5	16.98	EDGSHLD
426	5362411	216925.8	17.727	EDGSHLD
427	5362422	216908.9	18.619	EDGSHLD
428	5362433	216892.4	19.446	EDGSHLD

429	5362444	216875.7	20.247	EDGSHLD
430	5362455	216858.8	20.963	EDGSHLD
431	5362466	216842.1	21.676	EDGSHLD
432	5362477	216825.6	22.136	EDGSHLD
433	5362488	216808.6	22.77	EDGSHLD
434	5362499	216792.1	23.387	EDGSHLD
435	5362510	216775.2	23.745	EDGSHLD
436	5362521	216758.3	24.27	EDGSHLD
437	5362532	216741.8	24.685	EDGSHLD
438	5362543	216725.2	24.998	EDGSHLD
439	5362553	216708.3	25.259	EDGSHLD
440	5362564	216691.6	25.433	EDGSHLD
441	5362574	216674.4	25.621	EDGSHLD
442	5362583	216657.2	25.717	EDGSHLD
443	5362592	216639.3	25.898	EDGSHLD
444	5362600	216621.2	25.983	EDGSHLD
445	5362608	216603.3	26.056	EDGSHLD
446	5362615	216585	26.105	EDGSHLD
447	5362621	216566	26.151	EDGSHLD
448	5362627	216547.1	26.082	EDGSHLD
449	5362632	216528	25.938	EDGSHLD
450	5362637	216508.8	25.828	EDGSHLD
451	5362640	216489.2	25.543	EDGSHLD
452	5362643	216469.5	25.408	EDGSHLD
453	5362646	216450	25.076	EDGSHLD
454	5362647	216430.3	24.768	EDGSHLD
455	5362648	216410.7	24.439	EDGSHLD
456	5362648	216391	24.02	EDGSHLD
457	5362648	216371.1	23.533	EDGSHLD
458	5362646	216351.8	23.037	EDGSHLD
459	5362644	216332.1	22.47	EDGSHLD
460	5362641	216312.7	21.849	EDGSHLD
461	5362638	216293	21.308	EDGSHLD
462	5362633	216274	20.717	EDGSHLD
463	5362628	216254.9	20.213	EDGSHLD
464	5362623	216235.9	19.593	EDGSHLD
465	5362617	216216.9	19.146	EDGSHLD
466	5362611	216197.6	18.713	EDGSHLD
467	5362605	216178.8	18.24	EDGSHLD
468	5362598	216159.4	17.828	EDGSHLD
469	5362592	216140.5	17.384	EDGSHLD
470	5362586	216121.5	17.213	EDGSHLD
471	5362587	216119.5	17.22	GRDRL
472	5362581	216101	17.004	GRDRL
473	5362582	216100.9	17.037	BRIDGE
474	5362581	216101.2	17.23	BRIDGE
475	5362560	216045.2	17.222	BRIDGE

476	5362561	216044.9	17.001 BRIDGE
477	5362561	216045	16.924 GRDRL
478	5362554	216027.4	17.091 GRDRL
479	5362553	216027.1	17.023 EDGSHLD
480	5362546	216008.9	17.428 EDGSHLD
481	5362539	215990.2	17.781 EDGSHLD
482	5362532	215971.4	18.345 EDGSHLD
483	5362525	215952.4	18.939 EDGSHLD
484	5362519	215933.7	19.437 EDGSHLD
485	5362511	215914.8	20.042 EDGSHLD
486	5362504	215896.7	20.615 EDGSHLD
487	5362497	215878	21.207 EDGSHLD
488	5362490	215859.6	21.789 EDGSHLD
489	5362482	215840.9	22.345 EDGSHLD
490	5362475	215822.2	22.911 EDGSHLD
491	5362468	215803.4	23.488 EDGSHLD
492	5362461	215785	24.108 EDGSHLD
493	5362454	215765.9	24.652 EDGSHLD
494	5362447	215747.2	25.091 EDGSHLD
495	5362440	215728.2	25.671 EDGSHLD
496	5362433	215709.2	26.177 EDGSHLD
497	5362427	215697.5	26.471 EDGSHLD
498	5362424	215687.1	26.891 EDGSHLD
499	5362418	215673.5	27.195 EDGSHLD
500	5362409	215656	27.604 EDGSHLD
501	5362399	215639.1	28.184 EDGSHLD
502	5362388	215622.7	28.602 EDGSHLD
503	5362378	215609.5	28.956 EDGSHLD
504	5362366	215598.5	28.862 EDGSHLD
505	5362364	215591.8	29.324 EDGSHLD
506	5362352	215576.5	29.567 EDGSHLD
507	5362339	215562.2	29.735 EDGSHLD
508	5362325	215548.2	29.795 EDGSHLD
509	5362311	215534.7	29.894 EDGSHLD
510	5362296	215521.7	29.971 EDGSHLD
511	5362281	215509.6	30.015 EDGSHLD
512	5362265	215497.7	29.979 EDGSHLD
513	5362249	215486.7	30.118 EDGSHLD
514	5362232	215476.1	30.235 EDGSHLD
515	5362215	215466	30.308 EDGSHLD
516	5362198	215457.2	30.44 EDGSHLD
517	5362208	215438.5	30.898 EDGSHLD
518	5362225	215447.8	31.246 EDGSHLD
519	5362242	215458	31.181 EDGSHLD
520	5362260	215469	31.109 EDGSHLD
521	5362277	215480.6	31.047 EDGSHLD
522	5362293	215492.7	31.047 EDGSHLD

523	5362309	215505.6	30.876	EDGSHLD
524	5362325	215519	30.83	EDGSHLD
525	5362340	215533	30.743	EDGSHLD
526	5362354	215547.1	30.706	EDGSHLD
527	5362368	215562.8	30.617	EDGSHLD
528	5362380	215578.6	30.35	EDGSHLD
529	5362393	215594.9	30.04	EDGSHLD
530	5362404	215611.2	29.646	EDGSHLD
531	5362416	215628.6	29.159	EDGSHLD
532	5362426	215646.5	28.704	EDGSHLD
533	5362435	215664.5	28.138	EDGSHLD
534	5362444	215683.2	27.522	EDGSHLD
535	5362452	215701.8	26.938	EDGSHLD
536	5362458	215721.4	26.165	EDGSHLD
537	5362464	215740.9	25.333	EDGSHLD
538	5362470	215759.8	24.65	EDGSHLD
539	5362477	215778.5	24.075	EDGSHLD
540	5362484	215797.2	23.448	EDGSHLD
541	5362490	215816.1	22.889	EDGSHLD
542	5362497	215834.8	22.343	EDGSHLD
543	5362504	215853.9	21.792	EDGSHLD
544	5362511	215872.5	21.272	EDGSHLD
545	5362518	215891.4	20.717	EDGSHLD
546	5362525	215910.2	20.151	EDGSHLD
547	5362531	215929	19.526	EDGSHLD
548	5362538	215947.7	18.945	EDGSHLD
549	5362545	215966.5	18.429	EDGSHLD
550	5362552	215985.4	17.823	EDGSHLD
551	5362559	216004.2	17.355	EDGSHLD
552	5362565	216023.1	17.096	EDGSHLD
553	5362600	216117	17.034	EDGSHLD
554	5362608	216135.1	17.496	EDGSHLD
555	5362616	216153.5	18.102	EDGSHLD
556	5362623	216172.2	18.757	EDGSHLD
557	5362630	216191.9	19.464	EDGSHLD
558	5362636	216210.6	20.202	EDGSHLD
559	5362641	216226	20.573	EDGSHLD
560	5362647	216241.9	20.948	EDGSHLD
561	5362648	216250.4	21.438	EDGSHLD
562	5362652	216269.6	21.988	EDGSHLD
563	5362656	216289.2	22.541	EDGSHLD
564	5362660	216309.3	23.135	EDGSHLD
565	5362662	216329.5	23.706	EDGSHLD
566	5362663	216350.3	24.219	EDGSHLD
567	5362663	216370.9	24.541	EDGSHLD
568	5362663	216391.1	24.963	EDGSHLD
569	5362662	216411.2	25.353	EDGSHLD



570	5362661	216431.5	25.711	EDGSHLD
571	5362659	216451.5	26.03	EDGSHLD
572	5362657	216471.3	26.272	EDGSHLD
573	5362654	216491.3	26.56	EDGSHLD
574	5362650	216511.5	26.776	EDGSHLD
575	5362646	216531.6	26.91	EDGSHLD
576	5362641	216551.5	27.043	EDGSHLD
577	5362635	216570.6	27.113	EDGSHLD
578	5362628	216589.8	27.105	EDGSHLD
579	5362621	216608.3	27.102	EDGSHLD
580	5362613	216627.2	27.035	EDGSHLD
581	5362605	216645.6	26.932	EDGSHLD
582	5362596	216663.5	26.805	EDGSHLD
583	5362586	216681.4	26.646	EDGSHLD
584	5362576	216698.8	26.357	EDGSHLD
585	5362565	216716.1	25.847	EDGSHLD
586	5362554	216733	25.467	EDGSHLD
587	5362543	216749.3	24.901	EDGSHLD
588	5362532	216766.5	24.358	EDGSHLD
589	5362521	216783.3	23.931	EDGSHLD
590	5362510	216799.8	23.483	EDGSHLD
591	5362499	216816.4	22.957	EDGSHLD
592	5362488	216832.7	22.389	EDGSHLD
593	5362477	216849.8	21.712	EDGSHLD
594	5362466	216866.7	21.013	EDGSHLD
595	5362455	216883.3	20.278	EDGSHLD
596	5362444	216900.3	19.511	EDGSHLD
597	5362433	216917.1	18.63	EDGSHLD
598	5362423	216933.6	17.808	EDGSHLD
599	5362412	216950.4	16.915	EDGSHLD
600	5362401	216967	16.186	EDGSHLD
601	5362389	216983.8	15.419	EDGSHLD
602	5362378	217000.7	14.745	EDGSHLD
603	5362368	217017.3	14.175	EDGSHLD
604	5362357	217033.7	13.662	EDGSHLD
605	5362658	216192.2	22.798	BLDG
606	5362662	216191.3	22.841	BLDG
607	5362661	216185.8	22.709	BLDG
608	5362657	216186.8	22.711	BLDG
609	5362650	216190.6	22.001	BLDG
610	5362650	216188.9	21.973	BLDG
611	5362648	216189.2	21.772	BLDG
612	5362648	216190.8	21.674	BLDG
613	5362650	216191.8	21.429	BLDG
614	5362652	216187.9	21.486	EDGGRRD
615	5362647	216189.1	21.383	EDGGRRD
616	5362649	216199.2	21.411	EDGGRRD

617	5362651	216208.9	21.591 EDGGRRD
618	5362654	216219.1	21.628 EDGGRRD
619	5362655	216225.9	21.587 EDGGRRD
620	5362665	216222.7	22.264 EDGGRRD
621	5362663	216218.1	21.924 EDGGRRD
622	5362668	216216.2	22.114 EDGGRRD
623	5362666	216207.3	21.918 EDGGRRD
624	5362664	216197.4	21.766 EDGGRRD
625	5362663	216191.6	21.759 EDGGRRD
626	5362661	216185.2	21.724 EDGGRRD
627	5362656	216186.3	21.549 EDGGRRD
628	5362662	216187.8	22.123 HP
629	5362670	216202	22.124 HP
630	5362670	216238.1	23.013 HP
631	5362652	216225.6	21.368 SGNPOLE
632	5362649	216240.3	19.413 CULVERT
633	5362635	216190.6	18.028 CULVERT
634	5362606	216127	17.521 SGNPOLE
635	5362599	216117.3	17.212 GRDRL
636	5362592	216100	17.225 GRDRL
637	5362592	216099.9	17.226 BRIDGE
638	5362592	216100.2	17.031 BRIDGE
639	5362571	216044.2	17.034 BRIDGE
640	5362572	216043.9	17.26 BRIDGE
641	5362571	216044.1	17.018 GRDRL
642	5362565	216025.7	17.089 GRDRL
643	5362573	216049.9	17.022 SURFDIV
644	5362563	216050.8	17.008 SURFDIV
645	5362569	216064.6	17.06 SPELEV
646	5362577	216061.4	17.07 SPELEV
647	5362581	216072.1	17.015 SURFDIV
648	5362571	216073.1	17.004 SURFDIV
649	5362576	216083.5	17.044 SPELEV
650	5362584	216080.1	17.039 SPELEV
651	5362589	216094.4	16.996 SURFDIV
652	5362580	216095.4	17.027 SURFDIV
653	5362590	216094.1	13.603 CONCRW
654	5362590	216093.7	13.485 CONCRW
655	5362593	216093.7	13.454 CONCRW
656	5362600	216093.7	10.88 CONCRW
657	5362600	216094	10.829 CONCRW
658	5362596	216094.6	12.474 SPELEV
659	5362593	216094.4	13.554 SPELEV
660	5362591	216094.6	13.657 SPELEV
661	5362592	216098.4	15.47 SPELEV
662	5362596	216098.3	14.43 SPELEV
663	5362597	216100.9	15.597 SPELEV

664	5362596	216101.8	16.604 SPELEV
665	5362594	216102.8	16.843 SPELEV
666	5362581	216102.5	16.855 SPELEV
667	5362580	216099.3	15.554 SPELEV
668	5362578	216095.5	13.663 SPELEV
669	5362576	216097.5	13.605 SPELEV
670	5362573	216100.2	12.949 SPELEV
671	5362572	216099.7	12.371 CONCRW
672	5362576	216096.4	13.405 CONCRW
673	5362578	216094.7	13.435 CONCRW
674	5362578	216095	13.457 CONCRW
675	5362560	216045	16.149 SPELEV
676	5362561	216048.4	14.091 SPELEV
677	5362560	216048.7	13.907 SPELEV
678	5362562	216050.6	13.127 SPELEV
679	5362562	216051.4	13.135 CONCRW
680	5362560	216050.4	13.189 CONCRW
681	5362558	216049.1	12.244 CONCRW
682	5362556	216048.8	12.367 SPELEV
683	5362556	216046.3	13.875 SPELEV
684	5362555	216042.9	15.161 SPELEV
685	5362557	216041.8	16.141 SPELEV
686	5362558	216041.2	16.823 SPELEV
687	5362572	216041.7	16.573 SPELEV
688	5362573	216046.3	14.871 SPELEV
689	5362575	216045.5	14.714 SPELEV
690	5362574	216049.4	13.478 SPELEV
691	5362576	216047.3	13.297 SPELEV
692	5362579	216045.5	11.969 SPELEV
693	5362579	216042.1	12.67 SPELEV
694	5362578	216042.2	13.579 SPELEV
695	5362581	216045.4	11.307 CONCRW
696	5362577	216048.3	13.15 CONCRW
697	5362575	216050	13.247 CONCRW
698	5362571	216040.1	16.759 TOPBNK
699	5362570	216032	16.821 TOPBNK
700	5362567	216024.2	16.872 TOPBNK
701	5362564	216015.9	16.923 TOPBNK
702	5362570	216019.5	16.147 CULVERT
703	5362571	216019.5	12.928 SPELEV
704	5362572	216016.5	13.088 CULVERT
705	5362574	216020.5	13.116 CULVERT
706	5362572	216018.9	12.772 CLPVRD
707	5362587	216012.6	12.803 CLPVRD
708	5362596	216007.4	13.007 CLPVRD
709	5362600	216000.7	13.463 CLPVRD
710	5362600	215993.8	13.804 CLPVRD

711	5362595	215985	14.756	CLPVRD
712	5362593	215978.6	15.316	CLPVRD
713	5362595	215970.6	15.426	CLPVRD
714	5362601	215960.8	15.885	CLPVRD
715	5362609	215954.2	16.555	CLPVRD
716	5362619	215947.6	17.159	CLPVRD
717	5362602	215954	16.236	CLPVRD
718	5362602	215943.5	16.714	CLPVRD
719	5362599	215930.3	17.58	CLPVRD
720	5362601	215918.4	18.154	CLPVRD
721	5362605	215906.2	19.21	CLPVRD
722	5362606	215892.6	20.274	CLPVRD
723	5362604	215881.1	20.611	CLPVRD
724	5362601	215873	20.812	CLPVRD
725	5362593	215875.1	20.784	MISCSTRUCT
726	5362586	215873.8	20.656	MISCSTRUCT
727	5362577	215881.1	21.024	MISCSTRUCT
728	5362573	215890.2	21.079	MISCSTRUCT
729	5362576	215896.9	21.086	MISCSTRUCT
730	5362582	215898.1	21.128	MISCSTRUCT
731	5362588	215894.3	20.957	MISCSTRUCT
732	5362593	215887.5	20.861	MISCSTRUCT
733	5362595	215880.7	20.943	MISCSTRUCT
734	5362593	215875.6	20.823	MISCSTRUCT
735	5362566	215778.8	21.719	MISCSTRUCT
736	5362555	215816.4	21.294	MISCSTRUCT
737	5362550	215848.3	20.702	MISCSTRUCT
738	5362552	215886.5	19.678	MISCSTRUCT
739	5362560	215906	19.252	MISCSTRUCT
740	5362582	215919.8	18.379	MISCSTRUCT
741	5362590	215917.6	18.317	MISCSTRUCT
742	5362604	215903.5	19.246	MISCSTRUCT
743	5362597	215930.7	17.529	MISCSTRUCT
744	5362599	215953.3	15.7	MISCSTRUCT
745	5362585	215974.9	14.935	MISCSTRUCT
746	5362585	215988	14.196	MISCSTRUCT
747	5362593	215999.9	13.049	MISCSTRUCT
748	5362582	216010.7	12.729	MISCSTRUCT
749	5362583	216016.6	12.455	MISCSTRUCT
750	5362590	216024.2	11.865	MISCSTRUCT
751	5362589	216034.7	11.255	MISCSTRUCT
752	5362594	216044.7	10.938	MISCSTRUCT
753	5362601	216050.1	10.38	MISCSTRUCT
754	5362601	216051	10.162	MISCSTRUCT
755	5362605	216051.4	10.657	MISCSTRUCT
756	5362618	216048.4	10.618	MISCSTRUCT
757	5362634	216044.4	10.686	MISCSTRUCT

758	5362649	216039.9	10.43	MISCSTRUCT
759	5362657	216037.9	10.411	MISCSTRUCT
760	5362657	216037	10.34	MISCSTRUCT
761	5362636	216042.7	10.967	MISCSTRUCT
762	5362626	216034.7	12.332	MISCSTRUCT
763	5362641	216027.6	12.841	MISCSTRUCT
764	5362645	216020.6	13.092	MISCSTRUCT
765	5362642	216015.4	13.239	MISCSTRUCT
766	5362634	216016.1	13.292	MISCSTRUCT
767	5362625	216020.2	13.173	MISCSTRUCT
768	5362617	216019	13.082	MISCSTRUCT
769	5362611	216017.4	12.874	MISCSTRUCT
770	5362607	216020.8	12.737	MISCSTRUCT
771	5362609	216027.1	12.684	MISCSTRUCT
772	5362614	216033.3	12.313	MISCSTRUCT
773	5362621	216035.3	12.247	MISCSTRUCT
774	5362647	216045.9	8.93	STREAM
775	5362620	216051.9	8.888	STREAM
776	5362595	216055.1	8.52	STREAM
777	5362582	216055.4	8.675	STREAM
778	5362577	216053.5	8.856	STREAM
779	5362576	216050.4	9.487	SPELEV
780	5362579	216047.4	10.439	SPELEV
781	5362586	216050.7	9.458	SPELEV
782	5362591	216049.4	10.653	SPELEV
783	5362600	216051.3	10.159	CULVERT
784	5362589	216030.2	11.184	CULVERT
785	5362589	216028.5	11.111	CULVERT
786	5362590	216024.7	11.765	CULVERT
787	5362582	216018	11.954	CULVERT
788	5362579	216013	12.033	CULVERT
789	5362577	216005.7	12.755	CULVERT
790	5362578	216002.2	13.512	CULVERT
791	5362575	216002.8	12.028	CLDITCH
792	5362571	215991.9	14.618	CULVERT
793	5362566	215981.9	14.807	WDRW
794	5362564	215983	16.315	FENCE
795	5362570	215991.7	14.865	FENCE
796	5362575	215986.4	14.974	SPELEV
797	5362578	216001.4	13.506	SPELEV
798	5362579	216022.2	12.873	SPELEV
799	5362573	216015.3	13.182	SPELEV
800	5362577	216013.6	12.46	SPELEV
801	5362571	216006.2	14.053	SPELEV
802	5362567	215998	14.804	SPELEV
803	5362561	215988.5	16.914	SPELEV
804	5362560	215996.7	16.427	TOEBNK



805	5362566	216006.2	14.984	TOEBNK
806	5362571	216015.5	13.744	TOEBNK
807	5362574	216021.4	13.451	TOEBNK
808	5362579	216031.2	12.47	TOEBNK
809	5362566	216044	17.076	200
810	5362546	216028.2	16.301	CULVERT
811	5362542	216027.3	13.272	CULVERT
812	5362544	216031.2	13.04	CULVERT
813	5362546	216028.4	12.972	CLPVRD
814	5362541	216029.5	12.892	CLPVRD
815	5362536	216029.5	12.562	CLPVRD
816	5362532	216027.5	12.495	CLPVRD
817	5362528	216021.7	12.791	CLPVRD
818	5362523	216004.3	14.639	CLPVRD
819	5362519	215996.7	15.174	CLPVRD
820	5362511	215992.9	15.794	CLPVRD
821	5362499	215991.7	16.371	CLPVRD
822	5362493	215990.6	16.677	CLPVRD
823	5362485	215991.4	16.574	CLPVRD
824	5362494	215984.9	17.766	CLPVRD
825	5362497	215976.5	18.077	CLPVRD
826	5362498	215966	17.949	CLPVRD
827	5362498	215963.2	17.84	CLGRVRD
828	5362496	215957.5	17.568	CLGRVRD
829	5362490	215954	17.481	CLGRVRD
830	5362485	215952.5	17.543	CLPVRD
831	5362475	215948.3	17.772	CLPVRD
832	5362465	215944.4	17.118	CLPVRD
833	5362449	215939.2	16.992	CLPVRD
834	5362430	215935.6	17.37	CLPVRD
835	5362430	215933.6	17.469	TREE
836	5362447	215935.6	16.989	TREE
837	5362466	215939.1	16.94	TREE
838	5362483	215946.6	18.064	TREE
839	5362493	215952.4	17.546	TREE
840	5362500	215957.1	17.752	TREE
841	5362502	215966.2	17.848	TREE
842	5362504	215971	17.928	TREE
843	5362512	215968.9	17.785	TREE
844	5362519	215962.5	17.831	TREE
845	5362523	215962.2	18.181	GATE
846	5362525	215966.5	17.991	GATE
847	5362523	215967.9	17.812	TREE
848	5362515	215970.4	17.7	TREE
849	5362507	215974.3	18.137	TREE
850	5362501	215977.3	18.137	TREE
851	5362498	215984.3	18.065	TREE

852	5362505	215987.1	17.439 TREE
853	5362513	215987.8	15.8 TREE
854	5362518	215991.6	15.504 TREE
855	5362525	215991.7	15.685 TREE
856	5362530	215988.4	15.633 TREE
857	5362531	215988.9	15.904 GATE
858	5362532	215994.3	16.556 GATE
859	5362532	215995.7	16.238 TREE
860	5362525	216000.3	14.934 TREE
861	5362528	216009.8	13.235 TREE
862	5362530	216020	12.624 TREE
863	5362536	216026.7	12.1 TREE
864	5362541	216024.9	13.503 TREE
865	5362539	216012.8	14.787 TREE
866	5362538	216027.4	11.804 CULVERT
867	5362539	216033.5	11.499 CULVERT
868	5362538	216025.2	11.824 CLDITCH
869	5362536	216019.5	12.215 CLDITCH
870	5362543	216032.5	12.852 TREE
871	5362535	216033.2	12.334 TREE
872	5362529	216028.9	12.431 TREE
873	5362525	216021	12.773 TREE
874	5362522	216007.7	14.017 TREE
875	5362517	215997.4	14.91 TREE
876	5362516	216005.3	13.646 TREE
877	5362515	216016.7	13.117 TREE
878	5362511	216027.9	12.517 TREE
879	5362504	216031.7	12.114 TREE
880	5362490	216033.1	12.128 TREE
881	5362471	216033.9	11.515 TREE
882	5362469	216018.5	14.784 MISCSTRUCT
883	5362477	216020.1	14.917 MISCSTRUCT
884	5362490	216019.4	15.134 MISCSTRUCT
885	5362496	216016.3	15.21 MISCSTRUCT
886	5362498	216013	15.366 MISCSTRUCT
887	5362498	216008.6	15.412 MISCSTRUCT
888	5362494	216004.3	15.336 MISCSTRUCT
889	5362489	216002.8	15.277 MISCSTRUCT
890	5362485	216002.9	15.293 MISCSTRUCT
891	5362471	216005.3	15.141 MISCSTRUCT
892	5362467	216007.2	15.138 MISCSTRUCT
893	5362465	216010.6	15.06 MISCSTRUCT
894	5362465	216014.7	14.893 MISCSTRUCT
895	5362468	216017.7	14.77 MISCSTRUCT
896	5362474	215992.9	16.487 CLGRVRD
897	5362458	215995.5	15.967 CLGRVRD
898	5362450	215997	15.355 CLGRVRD

899	5362448	215987.9	16.192	TREE
900	5362459	215987.8	17.955	TREE
901	5362472	215986.9	17.844	TREE
902	5362490	215986	17.602	TREE
903	5362493	215981.2	18.126	TREE
904	5362492	215974.5	17.809	TREE
905	5362483	215971	17.744	TREE
906	5362468	215968.9	17.265	TREE
907	5362448	215965	15.845	TREE
908	5362501	215973.6	18.054	CLGRVRD
909	5362511	215970.8	17.744	CLGRVRD
910	5362522	215965.2	17.949	CLGRVRD
911	5362525	216043.2	6.553	STREAM
912	5362418	216052	4.064	STREAM
913	5362530	216028.4	12.526	POLEMISC
914	5362536	216043.7	11.904	HP
915	5362543	216053.6	8.438	STREAM
916	5362551	216054.4	8.5	STREAM
917	5362559	216054	8.51	STREAM
918	5362563	216053.2	8.555	STREAM
919	5362559	216051.6	10.07	SPELEV
920	5362557	216051.7	10.503	SPELEV
921	5362554	216050.4	10.193	SPELEV
922	5362551	216050.1	9.476	SPELEV
923	5362549	216050.7	9.285	TREE
924	5362551	216043.5	12.509	TREE
925	5362549	216037.6	13.933	SPELEV
926	5362555	216034.5	17.071	SPELEV
927	5362559	216043.9	16.43	TOPBNK
928	5362556	216039.9	16.702	TOPBNK
929	5362553	216034.1	16.893	TOPBNK
930	5362550	216026.8	16.798	TOPBNK
931	5362545	216016.3	16.737	TOPBNK
932	5362544	216008.1	17.702	SGNPOLE
933	5362542	216010.4	16.299	SPELEV
934	5362538	216012.1	14.547	SPELEV
935	5362533	216012.3	12.627	CLDITCH
936	5362536	215991.4	17.318	SPELEV
937	5362527	215994.5	15.931	SPELEV
938	5362529	215972.1	17.299	SPELEV
939	5362526	215973.9	16.796	SPELEV
940	5362521	215976.2	15.866	CLDITCH
941	5362519	215970.8	16.309	CULVERT
942	5362515	215959.6	16.668	CULVERT
943	5362507	215965.5	17.888	HP
944	5362506	215960.4	17.647	SPELEV
945	5362511	215958.8	17.769	SPELEV

946	5362514	215956.9	16.73 CLDITCH
947	5362518	215955.2	17.794 SPELEV
948	5362523	215953.2	18.512 SPELEV
949	5362516	215934.7	18.692 SPELEV
950	5362512	215936.1	17.98 SPELEV
951	5362506	215938.8	17.253 CLDITCH
952	5362500	215940	17.555 SPELEV
953	5362491	215942.7	18.117 SPELEV
954	5362464	215930.9	17.005 SPELEV
955	5362479	215930.8	18.008 SPELEV
956	5362488	215923.1	18.751 SPELEV
957	5362498	215920.1	17.855 SPELEV
958	5362483	215902.4	18.556 SPELEV
959	5362490	215901.3	19.221 SPELEV
960	5362495	215901.5	18.12 CLDITCH
961	5362500	215897.5	19.103 SPELEV
962	5362506	215918.6	18.532 SPELEV
963	5362492	215879.4	19.311 SPELEV
964	5362489	215885.1	18.378 SPELEV
965	5362479	215886.5	19.072 SPELEV
966	5362466	215889.7	18.949 SPELEV
967	5362455	215891.8	18.986 SPELEV
968	5362477	215883.2	19.904 HP
969	5362465	215868.2	19.52 SPELEV
970	5362475	215861.3	19.87 SPELEV
971	5362461	215845.5	20.01 SPELEV
972	5362473	215844.6	19.156 CLDITCH
973	5362474	215843.8	19.43 SPELEV
974	5362482	215861.2	19.337 SPELEV
975	5362489	215865.6	20.973 SGNPOLE
976	5362468	215822.8	20.301 SPELEV
977	5362464	215826.8	21.342 SPELEV
978	5362459	215828.9	21.634 SPELEV
979	5362446	215827.7	20.213 SPELEV
980	5362442	215813.6	20.98 SPELEV
981	5362452	215808.6	20.857 SPELEV
982	5362449	215804.5	21.408 HP
983	5362451	215803.1	20.933 ANCHOR
984	5362453	215801.8	21.113 ANCHOR
985	5362461	215804.8	20.786 SPELEV
986	5362453	215786.6	20.996 SPELEV
987	5362444	215791.2	21.122 SPELEV
988	5362436	215794	21.67 SPELEV
989	5362423	215777.2	21.98 SPELEV
990	5362434	215772.7	22.587 SPELEV
991	5362446	215767.3	21.693 SPELEV
992	5362441	215749.4	22.484 SPELEV

993	5362427	215750.9	22.371 SPELEV
994	5362414	215764.6	21.583 SPELEV
995	5362394	215746.5	22.814 SPELEV
996	5362388	215737.6	22.445 HP
997	5362411	215729.8	22.973 SPELEV
998	5362421	215729.8	23.489 SPELEV
999	5362434	215729.8	23.217 SPELEV
1000	5362427	215713.9	23.422 SPELEV
1001	5362415	215722.2	22.722 SPELEV
1002	5362401	215729.1	22.709 SPELEV
1003	5362392	215738.7	22.504 SPELEV
1004	5362377	215727.7	22.097 SPELEV
1005	5362368	215715.8	22.08 SPELEV
1006	5362393	215711.4	22.253 SPELEV
1007	5362399	215701	23.593 SPELEV
1008	5362416	215699.3	23.703 SPELEV
1009	5362388	215737.4	22.391 HP
1010	5362364	215713.3	24.564 TOPBNK
1011	5362370	215704.9	25.618 TOPBNK
1012	5362371	215699.9	25.911 TOPBNK
1013	5362378	215694.9	26.64 TOPBNK
1014	5362387	215695	26.95 TOPBNK
1015	5362401	215695.7	26.406 TOPBNK
1016	5362411	215693.4	26.769 TOPBNK
1017	5362421	215695.4	26.426 TOPBNK
1018	5362427	215698.6	26.355 TOPBNK
1019	5362421	215697	24.625 CULVERT
1020	5362411	215676.4	26.603 CB
1021	5362414	215675.3	26.673 SPELEV
1022	5362407	215679.7	26.688 SPELEV
1023	5362402	215682.7	26.943 SPELEV
1024	5362393	215687.3	27.083 SPELEV
1025	5362382	215691.9	27.181 SPELEV
1026	5362366	215682.2	27.467 SPELEV
1027	5362370	215679.4	27.538 SPELEV
1028	5362378	215674	27.514 SPELEV
1029	5362388	215668.2	27.305 SPELEV
1030	5362393	215665.9	27.081 SPELEV
1031	5362401	215661.5	26.952 SPELEV
1032	5362405	215658.7	26.963 SPELEV
1033	5362395	215641.4	27.39 SPELEV
1034	5362389	215644.8	27.378 SPELEV
1035	5362382	215649.6	27.487 SPELEV
1036	5362378	215652.1	27.615 SPELEV
1037	5362370	215658	27.644 SPELEV
1038	5362357	215667.9	27.421 SPELEV
1039	5362337	215660.2	27.149 SPELEV



1040	5362346	215652.2	27.537 SPELEV
1041	5362357	215642.6	27.968 SPELEV
1042	5362364	215637.9	27.766 SPELEV
1043	5362373	215631.9	27.874 SPELEV
1044	5362381	215627.6	27.734 SPELEV
1045	5362385	215625.3	28.18 SPELEV
1046	5362372	215611.2	28.805 SPELEV
1047	5362364	215618.9	28.267 SPELEV
1048	5362353	215626.7	27.701 SPELEV
1049	5362343	215634	27.693 SPELEV
1050	5362335	215641.7	27.527 SPELEV
1051	5362328	215652.5	27.428 SPELEV
1052	5362348	215605	26.933 TREE
1053	5362354	215600.8	27.039 SPELEV
1054	5362359	215596.5	27.289 TOEBNK
1055	5362345	215582.8	26.392 TOEBNK
1056	5362339	215587.9	26.141 SPELEV
1057	5362332	215594.9	25.868 TREE
1058	5362315	215590.2	25.282 TREE
1059	5362320	215583.7	25.282 SPELEV
1060	5362326	215576.8	25.49 SPELEV
1061	5362332	215570.7	26.133 TOEBNK
1062	5362316	215556.7	25.416 TOEBNK
1063	5362320	215553.4	27.67 SPELEV
1064	5362324	215547.1	29.87 SGNPOLE
1065	5362308	215563.3	24.91 SPELEV
1066	5362301	215572	24.907 SPELEV
1067	5362289	215558.6	25.134 SPELEV
1068	5362296	215548.5	26.825 SPELEV
1069	5362306	215539.5	27.656 TOEBNK
1070	5362291	215526.3	28.476 SPELEV
1071	5362284	215536.1	27.421 SPELEV
1072	5362271	215522.5	26.36 SPELEV
1073	5362275	215516.8	28.047 SPELEV
1074	5362278	215513.8	28.72 SPELEV
1075	5362274	215510	29.296 SGNPOLE
1076	5362258	215510.8	28.571 SPELEV
1077	5362261	215506	29.978 SPELEV
1078	5362264	215500.5	29.082 CLDITCH
1079	5362247	215489.4	29.239 CLDITCH
1080	5362245	215492.3	29.916 SPELEV
1081	5362242	215498	30.569 SPELEV
1082	5362239	215504.4	28.884 SPELEV
1083	5362221	215496.3	29.247 SPELEV
1084	5362224	215490.4	30.527 SPELEV
1085	5362229	215481.9	29.958 SPELEV
1086	5362231	215478.6	29.274 CLDITCH

1087	5362214	215468.8	29.667 CLDITCH
1088	5362211	215474.1	30.217 SPELEV
1089	5362206	215481.7	29.598 SPELEV
1090	5362203	215472.3	30.318 SGNPOLE
1091	5362208	215468.6	30.345 SGNPOLE
1092	5362213	215464.9	30.642 SGNPOLE
1093	5362237	215452	31.436 SGNPOLE
1094	5362239	215449.4	31.212 SGNPOLE
1095	5362226	215444.8	31.446 SPELEV
1096	5362244	215454.6	31.235 SPELEV
1097	5362261	215467.1	30.675 SPELEV
1098	5362278	215479.1	30.676 SPELEV
1099	5362294	215491.1	30.671 SPELEV
1100	5362310	215503.2	30.32 SPELEV
1101	5362328	215513.9	29.253 SPELEV
1102	5362344	215527.3	29.27 SPELEV
1103	5362355	215545.4	29.747 SPELEV
1104	5362370	215560.7	29.597 SPELEV
1105	5362382	215577.1	29.549 SPELEV
1106	5362395	215593.1	29.133 SPELEV
1107	5362407	215609.5	28.659 SPELEV
1108	5362417	215626.8	28.349 SPELEV
1109	5362428	215644.6	27.459 SPELEV
1110	5362438	215662.4	26.835 SPELEV
1111	5362448	215680.7	25.865 SPELEV
1112	5362457	215699.3	24.511 SPELEV
1113	5362466	215719	23.467 SPELEV
1114	5362472	215737.9	22.933 SPELEV
1115	5362476	215757.5	22.683 SPELEV
1116	5362482	215776.6	22.62 SPELEV
1117	5362489	215795.2	22.063 SPELEV
1118	5362496	215813.9	21.296 SPELEV
1119	5362502	215832.6	20.658 SPELEV
1120	5362509	215851.9	20.3 SPELEV
1121	5362515	215871	19.857 SPELEV
1122	5362522	215889.8	19.383 SPELEV
1123	5362529	215908.6	18.173 SPELEV
1124	5362535	215926.9	18.047 SPELEV
1125	5362545	215944.9	17.615 SPELEV
1126	5362552	215963.5	16.724 SPELEV
1127	5362559	215982.5	16.213 SPELEV
1128	5362424	215687.3	26.843 CURB
1129	5362424	215687.5	26.844 CURB
1130	5362423	215687.1	26.86 CURB
1131	5362422	215686.6	26.834 CURB
1132	5362422	215686	26.873 CURB
1133	5362409	215664.7	26.961 CURB

1134	5362398	215646.3	27.347 CURB
1135	5362388	215628.4	27.782 CURB
1136	5362376	215626.4	27.961 CURB
1137	5362373	215625.3	28.143 CURB
1138	5362371	215623.1	28.252 CURB
1139	5362370	215620.6	28.426 CURB
1140	5362370	215618.6	28.414 CURB
1141	5362370	215618.6	28.417 CURB
1142	5362373	215614.4	28.795 LGHTSTD
1143	5362364	215613.5	28.473 CURB
1144	5362364	215613.5	28.452 CURB
1145	5362364	215620.3	28.204 CURB
1146	5362363	215623.9	28.051 CURB
1147	5362364	215627.4	27.965 CURB
1148	5362366	215629.7	27.983 CURB
1149	5362374	215633	27.926 CURB
1150	5362376	215634.3	27.809 CURB
1151	5362378	215636	27.798 CURB
1152	5362379	215638.8	27.781 CURB
1153	5362379	215645.4	27.668 CURB
1154	5362396	215674.4	27.113 CURB
1155	5362398	215668.3	27.067 CURB
1156	5362398	215667.9	27.061 CURB
1157	5362399	215667.8	27.043 CURB
1158	5362399	215668.3	27.014 CURB
1159	5362408	215683.2	26.911 CURB
1160	5362411	215687.9	26.883 CURB
1161	5362415	215691.4	26.67 CURB
1162	5362418	215693.3	26.589 CURB
1163	5362422	215694.1	26.504 CURB
1164	5362422	215694.3	26.547 CURB
1165	5362424	215695.5	27.052 SGNPOLE
1166	5362396	215674.8	27.097 MISCSTRUCT
1167	5362394	215675.8	27.115 MISCSTRUCT
1168	5362389	215667.2	27.298 MISCSTRUCT
1169	5362388	215668.2	27.325 MISCSTRUCT
1170	5362387	215673	27.559 MISCSTRUCT
1171	5362383	215672	27.962 MISCSTRUCT
1172	5362383	215671.4	28.04 MISCSTRUCT
1173	5362383	215670.2	28.106 MISCSTRUCT
1174	5362381	215670	28.127 MISCSTRUCT
1175	5362381	215670.2	28.09 MISCSTRUCT
1176	5362377	215663.8	27.928 MISCSTRUCT
1177	5362378	215663.6	28.158 MISCSTRUCT
1178	5362378	215662.4	28.21 MISCSTRUCT
1179	5362377	215661.3	28.229 MISCSTRUCT
1180	5362377	215661.2	28.142 MISCSTRUCT

1181	5362377	215657.6	27.976	MISCSTRUCT
1182	5362382	215658.8	27.422	MISCSTRUCT
1183	5362384	215657.8	27.464	MISCSTRUCT
1184	5362377	215646.4	27.662	MISCSTRUCT
1185	5362379	215645.4	27.692	MISCSTRUCT
1186	5362380	215655.4	27.729	LGHTSTD
1187	5362384	215662.7	28.122	FLAGPOLE
1188	5362386	215664.6	28.022	BOREHOLE
1189	5362362	215677.1	28.068	CONCRW
1190	5362362	215677	27.89	CONCRW
1191	5362369	215687.3	28.163	CONCRW
1192	5362367	215688.2	28.149	CONCRW
1193	5362364	215682.8	29.08	CONCRW
1194	5362364	215682.7	29.053	CONCRW
1195	5362367	215687.7	29.128	CONCRW
1196	5362367	215687.6	28.118	CONCRW
1197	5362368	215687.2	28.124	CONCRW
1198	5362365	215682.7	28.228	BLDG
1199	5362350	215657.9	28.281	BLDG
1200	5362341	215662.9	28.246	BLDG
1201	5362356	215687.8	26.538	BLDG
1202	5362356	215688.8	25.699	SPELEV
1203	5362348	215693.5	24.488	SPELEV
1204	5362337	215696.5	23.5	SPELEV
1205	5362328	215689.2	24.159	SPELEV
1206	5362334	215681.8	25.056	SPELEV
1207	5362345	215677	24.838	SPELEV
1208	5362340	215664.7	26.838	SPELEV
1209	5362328	215671.6	26.619	HP
1210	5362333	215673.9	25.772	ANCHOR
1211	5362331	215668.9	26.594	ANCHOR
1212	5362331	215667.9	26.663	ANCHOR
1213	5362363	215624	28.05	CLGRVRD
1214	5362345	215633.8	27.72	CLGRVRD
1215	5362333	215647	27.578	CLGRVRD
1216	5362328	215658.4	27.161	CLGRVRD
1217	5362322	215674	25.67	CLGRVRD
1218	5362317	215684.6	24.411	CLGRVRD
1219	5362306	215704.4	22.674	CLGRVRD
1220	5362327	215673.2	25.76	EDGGRRD
1221	5362333	215675.6	25.361	EDGGRRD
1222	5362346	215671.6	24.984	EDGGRRD
1223	5362350	215678.1	25.079	EDGGRRD
1224	5362344	215684.1	24.733	EDGGRRD
1225	5362350	215690.6	24.72	EDGGRRD
1226	5362346	215693.9	24.368	EDGGRRD
1227	5362339	215685.3	24.9	EDGGRRD

1228	5362334	215682.2	25.077	EDGGRRD
1229	5362332	215683.9	24.515	EDGGRRD
1230	5362338	215692.7	23.543	EDGGRRD
1231	5362334	215695.5	23.964	EDGGRRD
1232	5362328	215689.3	24.186	EDGGRRD
1233	5362326	215681.9	25.105	EDGGRRD
1234	5362321	215684	24.61	EDGGRRD
1235	5362207	215427.4	29.875	CLGRVRD
1236	5362220	215425.6	28.815	CLGRVRD
1237	5362236	215429.5	27.357	CLGRVRD
1238	5362230	215437.2	28.152	TOEBNK
1239	5362248	215444.9	26.802	TOEBNK
1240	5362251	215440.3	26.839	CLGRVRD
1241	5362271	215456.8	26.678	CLGRVRD
1242	5362267	215461.7	26.876	TOEBNK
1243	5362280	215471.6	27.233	TOEBNK
1244	5362287	215464.8	26.582	CLGRVRD
1245	5362304	215472.6	26.289	CLGRVRD
1246	5362299	215484.2	26.818	TOEBNK
1247	5362316	215497.4	26.599	TOEBNK
1248	5362326	215489.1	25.883	CLGRVRD
1249	5362341	215504.2	25.757	CLGRVRD
1250	5362352	215508.6	26.582	CLGRVRD
1251	5362359	215505.7	26.619	CLGRVRD
1252	5362366	215498	26.398	CLGRVRD
1253	5362334	215509.5	25.752	TOEBNK
1254	5362357	215512.5	26.83	SPELEV
1255	5362350	215519.1	27.465	SPELEV
1256	5362347	215523.1	29.019	SPELEV
1257	5362359	215542.5	27.97	TOEBNK
1258	5362366	215540.9	27.608	SPELEV
1259	5362381	215549.7	26.961	SPELEV
1260	5362375	215558.2	27.264	TOEBNK
1261	5362386	215573.8	27.634	TOEBNK
1262	5362392	215569.4	26.209	SPELEV
1263	5362397	215560.1	24.767	SPELEV
1264	5362414	215575.8	25.035	SPELEV
1265	5362402	215587.9	25.786	TOEBNK
1266	5362415	215604.9	24.251	TOEBNK
1267	5362427	215621.1	24.154	TOEBNK
1268	5362438	215611	23.941	SPELEV
1269	5362449	215604.2	23.976	SPELEV
1270	5362467	215619.8	23.59	SPELEV
1271	5362453	215629.9	23.567	SPELEV
1272	5362435	215641.9	24.306	TOEBNK
1273	5362446	215659	23.691	TOEBNK
1274	5362450	215663.4	23.144	CLDITCH



1275	5362454	215679.4	22.649 CLDITCH
1276	5362464	215697.4	22.256 CLDITCH
1277	5362473	215716.5	21.926 CLDITCH
1278	5362477	215739.6	21.385 CLDITCH
1279	5362479	215757.2	20.748 CLDITCH
1280	5362487	215781.1	21.52 SPELEV
1281	5362490	215792.3	21.601 SPELEV
1282	5362495	215795	19.777 CLDITCH
1283	5362511	215851.8	19.571 CLDITCH
1284	5362522	215875.5	18.418 CLDITCH
1285	5362528	215890.5	17.822 CLDITCH
1286	5362532	215906.7	17.283 CLDITCH
1287	5362539	215927	16.733 CLDITCH
1288	5362547	215941.6	16.206 CLDITCH
1289	5362555	215966.2	19.602 CLDITCH
1290	5362570	215975.2	15.239 SPELEV
1291	5362568	215966.8	16.12 SPELEV
1292	5362572	215956.7	16.677 SPELEV
1293	5362570	215914.6	18.464 SPELEV
1294	5362549	215921.1	18.361 SPELEV
1295	5362544	215902.5	19.208 SPELEV
1296	5362526	215866.8	20.13 SPELEV
1297	5362519	215847.7	20.006 SPELEV
1298	5362517	215826.3	20.451 SPELEV
1299	5362516	215806.4	21.052 SPELEV
1300	5362512	215789.2	22.162 SPELEV
1301	5362500	215769.1	23.715 SPELEV
1302	5362504	215740.8	22.576 SPELEV
1303	5362517	215732.6	22.301 SPELEV
1304	5362520	215708	22.66 SPELEV
1305	5362495	215698.4	23.938 SPELEV
1306	5362469	215701	23.602 SPELEV
1307	5362163	215417.9	30.687 BRIDGE
1308	5362163	215417	30.947 BRIDGE
1309	5362135	215402.7	30.972 BRIDGE
1310	5362134	215403.6	30.79 BRIDGE
1311	5362122	215419.9	30.716 BRIDGE
1312	5362122	215420.8	30.991 BRIDGE
1313	5362151	215434.9	30.964 BRIDGE
1314	5362151	215433.9	30.691 BRIDGE
1315	5362566	216044.1	17.073 PWHCTRL
1316	5362659	216100.2	8.664 STREAM
1317	5362651	216109.6	8.922 STREAM
1318	5362658	216112.2	9.22 SPELEV
1319	5362662	216123.1	9.489 SPELEV
1320	5362651	216116	10.059 SPELEV
1321	5362648	216118.6	9.211 SPELEV

1322	5362643	216112.3	9.229 SPELEV
1323	5362668	216131.7	9.521 TREE
1324	5362656	216125.9	9.484 TREE
1325	5362642	216122	9.537 TREE
1326	5362634	216118.4	9.322 TREE
1327	5362632	216116.2	9.126 CLDITCH
1328	5362625	216117	9.586 TOEBNK
1329	5362621	216109.4	9.546 TOEBNK
1330	5362613	216103.8	10.197 TOEBNK
1331	5362610	216098.3	9.093 TOEBNK
1332	5362619	216099.8	8.768 STREAM
1333	5362604	216093.5	8.673 STREAM
1334	5362592	216091.6	8.476 STREAM
1335	5362600	216092.5	8.748 CONCBK
1336	5362591	216091.8	8.697 CONCBK
1337	5362589	216091.4	8.671 CONCBK
1338	5362601	216104.3	15.199 TOPBNK
1339	5362609	216109.1	14.272 TOPBNK
1340	5362616	216114.9	13.48 TOPBNK
1341	5362620	216121.6	13.672 TOPBNK
1342	5362623	216124.4	13.313 TOPBNK
1343	5362627	216124.8	12.162 CLDITCH
1344	5362619	216130.9	14.973 SPELEV
1345	5362610	216134.3	16.639 SPELEV
1346	5362617	216152.4	16.873 SPELEV
1347	5362624	216149.5	15.258 SPELEV
1348	5362625	216148.1	14.425 CLDITCH
1349	5362627	216148.5	15.163 TREE
1350	5362632	216171.7	16.65 TREE
1351	5362631	216172	15.829 CLDITCH
1352	5362629	216172.6	16.323 SPELEV
1353	5362633	216190.2	18.125 SPELEV
1354	5362635	216189.7	17.037 CLDITCH
1355	5362638	216186.9	18.102 TREE
1356	5362643	216185.3	19.998 TREE
1357	5362652	216181.9	21.086 TREE
1358	5362663	216181.2	21.179 TREE
1359	5362666	216192.9	21.107 TREE
1360	5362669	216204.1	21.243 TREE
1361	5362672	216217.4	21.577 TREE
1362	5362646	216175.1	19.526 SPELEV
1363	5362642	216170.4	17.926 SPELEV
1364	5362660	216166	20.477 SPELEV
1365	5362661	216159.2	18.927 SPELEV
1366	5362664	216202.4	21.813 SPELEV
1367	5362653	216205.7	21.563 SPELEV
1368	5362647	216207.1	20.828 SPELEV

1369	5362643	216208.4	19.576 SPELEV
1370	5362638	216209.9	19.48 SPELEV
1371	5362644	216226.6	20.075 SPELEV
1372	5362652	216224.3	20.826 SPELEV
1373	5362656	216223.4	21.666 SPELEV
1374	5362663	216221	22.029 SPELEV
1375	5362666	216236.1	22.671 TOPBNK
1376	5362657	216239.7	22.351 TOPBNK
1377	5362657	216247.1	22.147 TOPBNK
1378	5362661	216258.3	22.557 TOPBNK
1379	5362661	216246.2	22.636 TREE
1380	5362651	216248.3	19.469 CLDITCH
1381	5362657	216268.2	20.126 CLDITCH
1382	5362663	216266.6	22.127 TREE
1383	5362666	216288.5	21.932 TREE
1384	5362661	216288.8	20.699 CLDITCH
1385	5362664	216308.4	21.412 CLDITCH
1386	5362669	216307.6	22.367 TREE
1387	5362671	216328.8	22.737 TREE
1388	5362668	216329	22.109 CLDITCH
1389	5362666	216350	22.965 SPELEV
1390	5362670	216350	22.846 SPELEV
1391	5362674	216349.6	23.894 TREE
1392	5362674	216370.3	23.988 TREE
1393	5362671	216370.6	23.204 SPELEV
1394	5362666	216370.9	23.482 SPELEV
1395	5362665	216391.4	24.003 SPELEV
1396	5362672	216393	23.427 TREE
1397	5362671	216411.8	23.601 TREE
1398	5362666	216411.6	24.143 SPELEV
1399	5362665	216431.4	25.259 SPELEV
1400	5362672	216431	24.602 TREE
1401	5362669	216427.9	23.691 CULVERT
1402	5362669	216434.1	23.785 CULVERT
1403	5362662	216451.2	25.214 SPELEV
1404	5362667	216452.5	24.019 CLDITCH
1405	5362672	216453.1	25.897 TREE
1406	5362671	216473.8	26.488 TREE
1407	5362666	216471.7	23.878 CLDITCH
1408	5362662	216471.4	25.103 SPELEV
1409	5362659	216491.5	25.572 SPELEV
1410	5362664	216492.3	23.571 CLDITCH
1411	5362669	216492.8	25.416 TREE
1412	5362662	216512.3	23.423 CLDITCH
1413	5362656	216511.5	25.498 SPELEV
1414	5362652	216532.6	25.723 SPELEV
1415	5362658	216534.1	23.931 CLDITCH

1416	5362654	216553.7	23.797 CLDITCH
1417	5362647	216551.9	25.498 SPELEV
1418	5362641	216572.5	25.308 SPELEV
1419	5362649	216574.1	23.78 CLDITCH
1420	5362644	216596.1	23.565 CLDITCH
1421	5362636	216592.4	25.178 SPELEV
1422	5362622	216609.2	27.409 SGNPOLE
1423	5362629	216610.8	25.553 SPELEV
1424	5362637	216613.3	23.602 CLDITCH
1425	5362628	216635	23.292 CLDITCH
1426	5362621	216630	25.785 SPELEV
1427	5362611	216648	25.801 SPELEV
1428	5362620	216649.9	23.115 CLDITCH
1429	5362598	216664.5	27.341 SGNPOLE
1430	5362603	216666.8	25.074 SPELEV
1431	5362609	216671.8	22.571 CLDITCH
1432	5362592	216683.9	25.136 SPELEV
1433	5362601	216688	22.037 CLDITCH
1434	5362588	216705.3	21.779 CLDITCH
1435	5362583	216702.5	24.272 SPELEV
1436	5362572	216719.3	24.494 SPELEV
1437	5362578	216721.2	22.023 CLDITCH
1438	5362578	216718.7	21.904 CULVERT
1439	5362568	216738.8	22.826 CLDITCH
1440	5362561	216736	24.171 SPELEV
1441	5362553	216737.4	25.47 SGNPOLE
1442	5362549	216751.9	23.998 SPELEV
1443	5362556	216756	23.395 TREE
1444	5362543	216772.1	24.26 TREE
1445	5362539	216769.7	23.309 SPELEV
1446	5362527	216786.5	22.836 SPELEV
1447	5362532	216789.2	23.906 TREE
1448	5362523	216804.8	23.283 TOELEDG
1449	5362517	216802.5	22.208 SPELEV
1450	5362505	216820	21.583 SPELEV
1451	5362511	216822.2	22.291 TOELEDG
1452	5362498	216839.1	21.486 TREE
1453	5362494	216836.1	21.231 SPELEV
1454	5362482	216852.4	20.418 SPELEV
1455	5362488	216856	22.117 TREE
1456	5362476	216872.4	21.321 TREE
1457	5362471	216869.3	19.759 SPELEV
1458	5362468	216867.9	19.928 SPELEV
1459	5362458	216884.6	19.298 SPELEV
1460	5362462	216886.9	19.505 SPELEV
1461	5362467	216889.5	20.192 TREE
1462	5362458	216907.5	19.438 TREE

1463	5362451	216903.6	18.478 SPELEV
1464	5362440	216919.8	17.833 SPELEV
1465	5362447	216922.9	18.171 TREE
1466	5362434	216939.1	16.776 TREE
1467	5362429	216937	16.911 SPELEV
1468	5362420	216942	17.331 SGNPOLE
1469	5362424	216944.5	16.702 SGNPOLE
1470	5362427	216954.8	14.266 CULVERT
1471	5362428	216955.5	14.294 CLDITCH
1472	5362427	216958.4	15.182 CLDITCH
1473	5362429	216959	14.439 CLDITCH
1474	5362423	216956.4	15.446 TREE
1475	5362417	216953.3	16.362 SPELEV
1476	5362406	216970.1	15.485 SPELEV
1477	5362411	216972.2	15.053 TREE
1478	5362401	216988.3	14.06 TREE
1479	5362395	216986.2	14.512 SPELEV
1480	5362384	217003.1	13.691 SPELEV
1481	5362390	217005.4	13.01 TREE
1482	5362378	217022.2	12.125 TREE
1483	5362373	217019.3	13.04 SPELEV
1484	5362363	217037.2	11.919 SPELEV
1485	5362367	217039.5	11.14 TREE
1486	5362344	217019.1	13.258 SGNPOLE
1487	5362343	217017.6	12.716 SGNPOLE
1488	5362342	217024.9	13.501 SPELEV
1489	5362338	217021.8	12.082 TREE
1490	5362354	217008	13.964 SPELEV
1491	5362348	217004.5	12.799 TREE
1492	5362364	216991.1	14.059 SPELEV
1493	5362357	216987.4	12.728 TREE
1494	5362373	216973.3	14.495 SPELEV
1495	5362366	216970	12.516 TREE
1496	5362383	216956.2	15.165 SPELEV
1497	5362375	216951.4	13.152 TREE
1498	5362388	216947.4	15.426 SGNPOLE
1499	5362390	216948.9	15.588 SGNPOLE
1500	5362397	216941.1	16.333 SPELEV
1501	5362388	216936.5	14.665 TREE
1502	5362382	216938.7	12.424 CULVERT
1503	5362408	216924.4	17.112 SPELEV
1504	5362400	216918.8	16.027 TREE
1505	5362414	216905	17.611 TREE
1506	5362419	216907.7	18.138 SPELEV
1507	5362430	216891.1	18.872 SPELEV
1508	5362426	216888.4	18.519 TREE
1509	5362435	216870.1	18.861 TREE



1510	5362440	216873.9	19.414 SPELEV
1511	5362451	216857.1	19.918 SPELEV
1512	5362445	216853	20.05 TREE
1513	5362457	216837.1	20.671 TREE
1514	5362462	216839.9	20.46 SPELEV
1515	5362473	216823.4	21.067 SPELEV
1516	5362468	216820.4	21.536 TREE
1517	5362479	216804.7	21.607 TOEBNK
1518	5362484	216807	21.491 TOEBNK
1519	5362495	216789.9	22.067 TOEBNK
1520	5362488	216785.7	23.275 TOEBNK
1521	5362500	216769.6	23.728 TOEBNK
1522	5362506	216773.4	22.646 TOEBNK
1523	5362517	216756.5	23.125 TOEBNK
1524	5362511	216752.6	23.526 TOEBNK
1525	5362522	216736.2	22.976 TREE
1526	5362528	216739.6	23.669 TOEBNK
1527	5362532	216732.4	23.72 SGNPOLE
1528	5362534	216734.9	24.348 SGNPOLE
1529	5362540	216723.4	24.248 SPELEV
1530	5362534	216721	22.989 TREE
1531	5362540	216699.9	20.595 CULVERT
1532	5362541	216701.2	21.56 TREE
1533	5362550	216706.8	24.542 SPELEV
1534	5362556	216687.7	22.665 TOEBNK
1535	5362554	216683.8	22.92 TREE
1536	5362562	216669.1	24.953 TREE
1537	5362567	216671.2	23.567 TOEBNK
1538	5362570	216672.8	23.981 TOEBNK
1539	5362579	216655.4	24.237 TOEBNK
1540	5362577	216654.2	24.123 TOEBNK
1541	5362570	216651.3	25.844 TREE
1542	5362578	216634.4	26.053 TREE
1543	5362586	216637.2	24.038 TOEBNK
1544	5362588	216638.2	24.311 TOEBNK
1545	5362596	216619.9	24.235 TOEBNK
1546	5362594	216618.9	24.145 TOEBNK
1547	5362587	216615	26.342 TREE
1548	5362566	216044	17.079 PWHCTRL
1549	5362576	216103.3	15.21 TOPBNK
1550	5362569	216100.9	13.102 TOPBNK
1551	5362567	216097.5	12.054 TOPBNK
1552	5362561	216093.8	11.002 TOPBNK
1553	5362553	216090.3	9.841 TOPBNK
1554	5362548	216088.1	9.388 TOPBNK
1555	5362523	216095.5	8.515 STREAM
1556	5362528	216097	7.886 STREAM

1557	5362533	216101.4	8.01	STREAM
1558	5362543	216102.7	7.874	STREAM
1559	5362546	216093.6	8.49	STREAM
1560	5362545	216085.7	8.113	STREAM
1561	5362555	216086.3	8.574	STREAM
1562	5362563	216088.1	8.432	STREAM
1563	5362571	216091.1	8.293	STREAM
1564	5362576	216092.3	8.579	STREAM
1565	5362578	216092.5	8.688	CONCBLK
1566	5362576	216095.2	9.174	SPELEV
1567	5362574	216097.1	10.166	SPELEV
1568	5362569	216094.8	9.442	SPELEV
1569	5362567	216105.5	13.602	SPELEV
1570	5362561	216101.9	11.879	SPELEV
1571	5362553	216102.3	9.307	TOEBNK
1572	5362551	216112.6	9.794	TOEBNK
1573	5362544	216124.7	9.045	SPELEV
1574	5362536	216127.3	8.295	SPELEV
1575	5362531	216126.2	7.552	STREAM
1576	5362564	216122	14.424	HP
1577	5362570	216126.7	14.838	TOPBNK
1578	5362579	216123.8	15.716	SPELEV
1579	5362588	216141.8	15.904	TOEBNK
1580	5362582	216144	15.471	SPELEV
1581	5362576	216147	15.039	TOPBNK
1582	5362579	216164.9	15.143	SPELEV
1583	5362590	216162.1	16.264	SPELEV
1584	5362594	216160.5	16.869	TOEBNK
1585	5362600	216179.8	16.855	TOEBNK
1586	5362594	216181.7	15.987	CLDITCH
1587	5362586	216179.7	15.846	SPELEV
1588	5362604	216180.9	18.515	SGNPOLE
1589	5362607	216198.2	17.098	CLDITCH
1590	5362605	216199.2	18.505	SPELEV
1591	5362602	216199.6	19.319	TREE
1592	5362594	216202.7	21.838	SPELEV
1593	5362596	216208.6	23.141	HP
1594	5362599	216221.1	23.391	SPELEV
1595	5362608	216219.6	20.043	TREE
1596	5362614	216218.1	17.624	CLDITCH
1597	5362622	216238.8	20.42	SGNPOLE
1598	5362619	216236.8	17.978	CLDITCH
1599	5362614	216238.7	20.308	TREE
1600	5362603	216241.8	23.541	SPELEV
1601	5362607	216255.2	23.749	HP
1602	5362601	216257	23.578	ANCHOR
1603	5362609	216261.5	25.595	ANCHOR

1604	5362616	216259.3	21.595 TREE
1605	5362621	216257.4	19.986 SPELEV
1606	5362624	216256.5	18.442 CLDITCH
1607	5362628	216275.3	18.96 CLDITCH
1608	5362625	216275.9	20.551 SPELEV
1609	5362619	216278.1	21.976 TREE
1610	5362624	216295.2	22.83 TREE
1611	5362628	216294.3	21.924 SPELEV
1612	5362632	216293.5	19.665 CLDITCH
1613	5362637	216313.5	20.321 CLDITCH
1614	5362632	216314.1	22.509 SPELEV
1615	5362626	216314.7	24.249 TREE
1616	5362626	216332.7	23.404 TREE
1617	5362633	216332.6	22.577 SPELEV
1618	5362639	216332.8	21.209 CLDITCH
1619	5362641	216352	21.673 CLDITCH
1620	5362634	216352.7	22.719 SPELEV
1621	5362627	216353.2	23.54 TREE
1622	5362628	216369.4	23.881 TREE
1623	5362635	216371.6	23.443 SPELEV
1624	5362642	216371.8	22.003 CLDITCH
1625	5362642	216390.8	22.447 CLDITCH
1626	5362634	216392	24.261 SPELEV
1627	5362628	216393.3	25.691 TREE
1628	5362630	216408.4	26.188 TREE
1629	5362634	216409.3	24.708 SPELEV
1630	5362643	216410.2	22.94 TOEBNK
1631	5362647	216419.2	24.357 SGNPOLE
1632	5362643	216430	23.578 TOEBNK
1633	5362636	216429.7	24.098 SPELEV
1634	5362630	216428.9	26.234 TREE
1635	5362628	216448.6	26.457 TREE
1636	5362633	216448.9	25.445 SPELEV
1637	5362637	216449.5	23.609 TOEBNK
1638	5362642	216449.6	23.959 TOEBNK
1639	5362639	216468.9	24.302 TOEBNK
1640	5362632	216468.6	24.041 SPELEV
1641	5362626	216468.4	23.71 SPELEV
1642	5362624	216485.3	23.423 TREE
1643	5362636	216488.5	24.256 TOEBNK
1644	5362632	216507.5	24.108 TOEBNK
1645	5362628	216506	23.766 TOEBNK
1646	5362621	216506.3	25.785 TREE
1647	5362615	216522.6	22.746 TREE
1648	5362620	216524.1	22.963 SPELEV
1649	5362626	216526.6	23.666 TOEBNK
1650	5362621	216544.8	23.464 TOEBNK

1651	5362613	216543.3	22.796 SPELEV
1652	5362603	216540.6	21.845 TREE
1653	5362601	216559.8	22.037 TREE
1654	5362607	216561.8	22.58 SPELEV
1655	5362615	216563.7	23.4 TOEBNK
1656	5362621	216564.3	25.801 SGNPOLE
1657	5362610	216582.7	23.939 TOEBNK
1658	5362607	216581.8	23.883 SPELEV
1659	5362601	216580	24.795 TREE
1660	5362595	216594.6	26.31 TREE
1661	5362602	216600.5	24.047 TOEBNK
1662	5362604	216601.5	24.225 TOEBNK
1663	5362671	216230.3	22.604 SGNPOLE
1664	5362673	216241.1	22.858 SPELEV
1665	5362691	216257.1	24.628 SPELEV
1666	5362693	216273.1	23.771 SPELEV
1667	5362691	216293.3	22.816 SPELEV
1668	5362699	216308.9	23.171 SPELEV
1669	5362687	216329.2	24.982 SPELEV
1670	5362687	216359.9	24.19 SPELEV
1671	5362686	216384.9	24.024 SPELEV
1672	5362685	216414.6	25.224 SPELEV
1673	5362678	216448.1	26.43 SPELEV
1674	5362688	216460.1	26.698 SPELEV
1675	5362680	216473.2	26.695 SPELEV
1676	5362678	216497.6	25.893 SPELEV
1677	5362529	216703.2	20.282 CLDITCH
1678	5362533	216695.7	21.621 SPELEV
1679	5362532	216677.4	25.342 SPELEV
1680	5362542	216668.5	25.737 SPELEV
1681	5362533	216661.7	26.101 SPELEV
1682	5362544	216649.6	26.135 SPELEV
1683	5362531	216646.1	26.237 SPELEV
1684	5362528	216626.9	26.295 SPELEV
1685	5362535	216612.2	26.344 SPELEV
1686	5362547	216602.4	26.339 SPELEV
1687	5362541	216587.4	25.862 SPELEV
1688	5362547	216574.3	25.204 SPELEV
1689	5362582	216568.5	23.949 SPELEV
1690	5362593	216565.1	23.237 SPELEV
1691	5362592	216551.7	21.728 SPELEV
1692	5362592	216551.7	21.682 SPELEV
1693	5362604	216516	25.633 SPELEV
1694	5362588	216513.2	25.052 SPELEV
1695	5362595	216498.7	26.361 SPELEV
1696	5362598	216486	22.541 TOEBNK
1697	5362582	216482.3	20.625 TOEBNK

1698	5362561	216454.6	19.577 SPELEV
1699	5362573	216444.1	26.844 SPELEV
1700	5362584	216435.2	26.031 SPELEV
1701	5362597	216434.1	26.605 SPELEV
1702	5362607	216426.3	26.859 SPELEV
1703	5362615	216411.8	26.79 SPELEV
1704	5362610	216397.1	26.866 SPELEV
1705	5362595	216401.6	25.815 SPELEV
1706	5362595	216401.8	25.858 SPELEV
1707	5362585	216390.5	25.977 SPELEV
1708	5362594	216380.3	26.017 SPELEV
1709	5362602	216369.9	25.988 SPELEV
1710	5362595	216360.3	25.65 SPELEV
1711	5362585	216358.9	25.384 SPELEV
1712	5362584	216344.9	25.242 SPELEV
1713	5362596	216338.1	25.116 SPELEV
1714	5362601	216325.1	24.833 SPELEV
1715	5362587	216319	25.28 SPELEV
1716	5362583	216301.3	26.249 SPELEV
1717	5362596	216293.3	24.585 SPELEV
1718	5362606	216280.4	23.282 SPELEV
1719	5362602	216267.2	23.777 SPELEV
1720	5362590	216262.4	25.698 SPELEV
1721	5362578	216257.8	26.108 SPELEV
1722	5362582	216238.9	26.021 SPELEV
1723	5362574	216231.9	25.726 SPELEV
1724	5362566	216239.6	25.811 SPELEV
1725	5362560	216232.4	22.585 SPELEV
1726	5362547	216221.5	14.944 SPELEV
1727	5362531	216195.7	9.925 SPELEV
1728	5362549	216204	13.025 SPELEV
1729	5362543	216181.9	11.03 SPELEV
1730	5362548	216163.8	9.381 SPELEV
1731	5362548	216158.6	8.831 CLDITCH
1732	5362550	216156.6	8.917 TOEBNK
1733	5362549	216145.7	8.281 TOEBNK
1734	5362558	216152.1	12.585 SPELEV



