

September 24, 2014

Report To: Mayor and Council

From: Doug Brown, Manager of Operations & Facilities



**SUBJECT: Response to Kendall Richardson, Spokesperson – Presentation on the Sanitary Sewer System in the Church Street Sewage Pumping Station Catchment Area – Petition Received**

At the September 8<sup>th</sup>, 2014 Council Meeting Kendall Richardson, owner of 311 Minnie Avenue made a presentation to Council in regards to the sanitary sewer system which is serviced by the Church Street sewage pumping station catchment area and the respective property owners. See attached copy of her speech and the petition.

Background information on the Town's Existing Sanitary Sewer Collection System and general conditions within Fort Frances;

- Fort Frances – mouth of Rainy River, relatively flat, washout plain and a wide mixture of soil conditions. A lot of silt.
- Higher groundwater table above the dam compared to below the dam.
- Sanitary Sewer System Piping consists of the following materials;
  - o Clay Tile ( 31% or 17.7 kms) installed starting in 1912
  - o Asbestos Cement (41% or 23.4 kms) started using around 1945
  - o Concrete ( 6% or 3.4 kms)
  - o Relined ( 1% or 0.6 kms ) mid 1990's
  - o PVC (21% or 12.2 kms) mid 1980's.
- There is a total of 57 kms of piping within the sanitary sewer collection network where approximately 36 kms have a critical condition rating (63%). Significant financial commitment is required where affordability for the community is a major obstacle. See attached spreadsheet No. 1.
- Completed Asset Management Plan in December of 2013.
- KGS Group completed an Infiltration & Inflow Investigation study in 2012. There were 5 main components to the investigation scope;
  1. Determine by any means or methods available where the infiltration or inflow (I/I) enters into the sanitary sewer system and qualify the (I/I) rate under rainfall and non-rainfall scenarios.
  2. List the top 15 to 20 sections of the sanitary sewer system where higher than normal amount of infiltration or inflow is entering into the system including the corresponding I/I flow rate. Also to develop an action plan to eliminate the

defect or deficiency in these sections of the sanitary sewer collection system. Once the defect or deficiency is repaired, the I/I loading will be eliminated.

3. Develop a five (5) year to ten (10) year work plan and associated cost estimates in trying to eliminate and/or reduce I/I flow entry into the sanitary sewer collection system.
4. The existing sanitary sewer system has been previously computer modeled for wet weather scenarios. A contingency plan was developed on how to operate the sanitary sewer system under an extreme rainfall event. Presently the SWMM 5 analysis software package was utilized. The engineering firm is expected to re-calibrate the computer model based on the findings of the investigation study and update or revise this contingency plan.
5. Review the existing Municipal By-Laws in regard to discharging ground water or surface water run off into the sanitary sewer system and make recommendations where the Municipal By-Laws could be revised or updated.

Minimum findings were obtained from the I-I Investigation, due to the physical characteristics of the initial installation of the Town's sanitary sewer collection system, it was very difficult to gather the necessary and accurate flow data from the inline flow meters to exactly pin point what sections of the collection system contributed the most to the I-I loading. It appears that the I -I loading problem is quite wide spread with certain areas of the system contributing more I –I loading. **The Town's sanitary sewer collection system is greatly influenced by both groundwater and surface runoff loading. See attached spreadsheet No. 2 showing STP, WTP , I/I and rainfall data from 2009 to August 2014.**

- There are 6 Sewage pumping Stations Plus the Couchiching First Nation Sewage Pumping station which provide sewage to the Sewage Treatment Plant. Approximately 72 % of all sewage goes through a sewage pumping station. See attached copy of map "A" – showing the catchment areas.
- Extreme Rainfall Events are becoming more common in the last 15 to 20 years. For example July 1<sup>st</sup>, 2010 - 63 mm of rain in 3 hours.
- A contingency plan on how to operate the sanitary sewer collection under extreme rainfall events has been in place since 2007.
- The size of the piping within the sanitary sewer collection system and the size of the pumps at the sewage pumping stations are limited in capacity and can't handle extreme rainfall events at certain periods of time during the year. The Sewage Treatment Plant ( STP) goes into by-pass and damage to the sanitary sewer collection system occur during these events (sinkholes- for example 3<sup>rd</sup> Street East between Portage to Mowat – July 1<sup>st</sup>, 2010 or 18 inch diameter sanitary sewer in the Robert Moore School yard in June of 2014).
- Town has been eliminating **inflow** in the sanitary sewer collection system– Over the past several years Portage Ave Underpass storm sewer pumps discharge only into the storm sewer system, Rainycrest facility must discharge it's sump pump



groundwater into the storm sewer system early in the springtime and throughout the summer months until freeze-up, disconnection of cross-connected storm sewer catchbasins and manholes from the sanitary sewer collection system. ( 2<sup>nd</sup> and Portage and Mowat and Portage intersections).

- Town has been eliminating **infiltration** in the sanitary sewer collection system replacement of large diameter sanitary sewer mains – 2<sup>nd</sup> Street – Mowat to Central, Mowat Avenue – 3<sup>rd</sup> to 2<sup>nd</sup>, 3<sup>rd</sup> Street East Mowat to Armit, & Crowe to Frenette etc
- Limited amount of financial resources available. Annually approximately \$1.5 million of capital work is supported by the water and sanitary sewer rates.

I have the liberty to provide answers to Kendall's questions, provide clarification to her statements and the Town's position on the sanitary sewer system operations and long term rehabilitation plans as outlined in her speech documentation.

**B) To make sure everyone understands the issue I am bringing up I will first read my petition.**

"We, the citizens of the town of Fort Frances living in an area that has experienced what we deem to be excessive sewer(raw sewage and grey-water) backup, petition the town to investigate and repair problems with the local sewer system that are either contributing to or causing this problem. We feel the system in this area receives sewage from the entire east end of Fort Frances as well as some reserve sewage because of improper relief from areas north and east of us.

The Church Street sewage pumping station catchment area has 38 residential properties. The forcemain from this pumping station discharges into the sanitary sewer manhole at the intersection of Minnie and Church, then flows north by gravity to a sanitary sewer manhole at the Minnie -Scott intersection and then flows west to the white pine sewage pumping station. The sewage from the white pine sewage pumping station eventually discharges into the Central Ave sewage pumping station. See attached map – "B". During extreme rainfall events and when the groundwater table is at it's highest elevation (spring freshet) the sanitary sewer system will operate at maximum capacity for extended periods. For example the June 12, 2014 event there was a delay in spring freshet and the Town received 5 inches of rain over a two day period. Under this event it was the 1<sup>st</sup> time the Town enacted the contingency plan for the Sanitary Sewer collection system.

Many homes in the east end of the town of Fort Frances(Minnie Avenue south of Scott Street, as well as the portions of Church Street and Nelson Street that are located east of the wood yard) have experienced sewer backup in the last 10 years. In numerous cases, residents have experienced more than one incidence of backup. Because of the problems with sewer backup, many residents of this area have experienced property damage and financial loss. Another concern is the fact that many residents have now lost insurance coverage for their basement and its contents.



The white pine sewage catchment area is very susceptible to inflow however it represents only 6.3% of the average Dry weather flow (DWF) being serviced at the sewage STP. The south and east areas of the community have a high concentration of old clay pipe and are upstream of the dam which generally has a higher groundwater table. Thus this section of the community has a significant infiltration loading.

We request that the sewer issues in the aforementioned neighbourhood be investigated and resolved. A small group of us would like to attend a meeting to further follow up on this matter. At this meeting, we would like to see sewer drawings as well as the list of prep work that has been on the repair schedule for this area.”

The Town has developed an asset management plan, completed the infiltration and inflow investigation, and recently just completed year 2 of 3 of a CCTV inspection program to determine an annual replacement and rehabilitation works program for the sanitary sewer collection system. Two spot repairs were completed along the Minnie Avenue gravity sanitary sewer (SL03041 & SL03012) between Scott Street and Nelson Street back in 2013 (year 1 of 3 of the CCTV inspection work). See attached map “C” showing location of spot repairs.

Presently the Town has a lot of critical pipes within the sanitary sewer collection system and has only been planning ahead one year at a time. Basically dealing with larger trunk lines (3<sup>rd</sup> Street east 18 inch diameter main) and ensuring all residential properties have a positive gravity sewer flow (secondary branch lines). For example in 2015 the priorities will be to address one block on Phair Avenue between 3<sup>rd</sup> and 5<sup>th</sup> street and one block on Nelson street between the Bulter and Shelvin Woodyard (winter of 2014 caused the sanitary sewer line to be lifted and flow in the opposite direction – CCTV inspection in summer 2014).

### **C) Here are a few examples to clarify what I define excessive sewer backup:**

- Over half of the homes in the defined neighbourhood have had sewer backup in the last 13 years. (more like ¾+ and this happened in homes without basements also). If the Town's workforce was requested to perform sanitary sewer maintenance work on private property, there will be maintenance records and work authorization forms executed by all residential & ICI property owners within the community. There will be no records if a private plumber performs maintenance work or if the property owner rents a sewer auger. Please see maintenance record for 311 Minnie Avenue.
- One home has had more than one backup this year alone. Many homes with backup problems have stopped calling public works to complain or ask for assistance because they feel that their issues have not been dealt with and that it is



a waste of time to contact the town. – Please provide address of residential property.

- Another residence has had six incidences over the years that they have been living there. Please provide address of residential property.
- My house has had four insurance claims due to backup since the year 2000 and the town has snaked the line through my property twice preventing two more claims. We were not billed for this service because the clog was determined to be down the street from us by measuring the amount of snake line let out. See attached maintenance record for 311 Minnie Avenue. Town performed work unplugging the service line on August 1, 2001 & August 5, 2007.

In a number of cases, the rate at which the sewage was backing up could be compared to the force you observe when the fire hydrants are being tested around town. Again, in my home, the carpet covering my floor was lifted off the ground creating a very interesting wave through my house when the grey water from the sewers exploded past my check valve then upwards through my basement floor drain. As well, the flood alarm was blown apart before it could even go off. It took only five minutes for the water levels to breach the sump holes and set off the flood alarms there. I found this very upsetting because my youngest child had a sleepover party a week prior to the flooding and had this occurred then one can only imagine what may have happened to those little boys cocooned in their sleeping bags, sleeping in a line across the recroom, on the basement floor. Many families have recrooms where a baby may nap in a playpen or even bedrooms used by children in their basements. A sewer backup in one of these homes could be devastating. The number of sewage backup incidences in this neighbourhood is at a level that is completely unacceptable.

Part of the Church Street pumping station network is greatly influenced by extreme rainfall events and infiltration loading in the springtime. To determine how the positive head pressure in the sanitary sewer service line at this residential property occurred, additional information is required. There are several reasons for the positive head pressure;

- Is there a check valve installed at this dwelling ? and was it fully operational? Check valves require maintenance and cleaning on a regular basis in accordance with the manufacturer's instructions.
- Are the sump pump(s) for the foundation weeping tile system cross-connected to the sanitary sewer collection system?
- The Church Street pumping station – pumping at maximum capacity and more wastewater entering the collection system or pushing against a dead head ( no where for the sewage to go)

**D) All signatures on my petition were from adults who have an interest in this neighbourhood. I did not canvass other areas for signatures so that is why there are forty-five names. Four residents did opt not to sign though some of them have had problems. I am willing to discuss the reasons why they**



**declined with council in private but do not want to draw attention to them during a public meeting. One house I attempted to visit did not have anyone home and may be vacant so I was unable to obtain a signature from that house as well.**

A political statement not relative to the operations or long term rehabilitation of the sanitary sewer collection system within the Church Street sewage pumping station catchment area. Thus no comments provided.

E) I don't believe that there are malicious reasons for the sewers not being fixed in our area. The true reason is a lack of communication and data management. Lack of communication and data management are not the reasons why this section of the sanitary sewer system in the Church Street sewage pumping station catchment area has not been replaced. In 2013 the sewer lines were CCTV inspected to determine the condition rating of these lines. As a result of this CCTV inspection two spot repairs were completed in 2013. No replacement work is being considered at this time as there are higher priority areas within the sanitary sewer collection system that need to be addressed.

There is no tracking system on how many service call outs are required by public works for neighbourhoods within the town of FF. See answer above under section C.

Town employees have mentioned to me that there is a sewer bottleneck at the corner of Minnie and Nelson due to a pipe narrowing and level change at this location. This manhole has a sanitary sewer plug installed to prevent sewage that goes into the the church street sewage pumping station to short circuit and pump the same sewage twice. I believe this problem is further exasperated when the town sewers are maxed out during times of heavy rain. Yes based on I-I investigation study completed by the KGS group in 2012, however there are several areas within the community which are vulnerable to extreme rainfall events and high groundwater tables (wide spread problem).

As well, there are issues with the complaint system. As far as I know, none of the many complaints filed by citizens of my neighbourhood were responded to by the town. Many of these complaint forms were deleted without even being read due to the town website having spam issues. In my opinion this is violation



of the customer complaint policy. This makes me wonder...if I throw out my tax bill without opening it am I still required to pay it? May I also suggest that the online customer complaint form be removed from the town website until I.T. services can fix the problem? I have one complaint form that a more tech savvy person printed and shared with me. This is an example of how much effort was put into supplying details to assist the town in repairing sewers in the area. Unfortunately, these details were all lost or deleted by the town. Please find attached a memo from Kathy Lawson dated September 8, 2014 based on the information provided in this memo all sanitary sewer complaints have been received and addressed in a timely fashion.

**F) I would now like to make suggestions and talk about how to move forward towards a resolution.**

- **A simple apology for communication issues and acknowledgement of the problem would be a start. I know that the corner of Minnie and Nelson was highlighted on a map and discussed at the town emergency meeting when flooding threatened the municipality towards the end of June.**

During the extreme rainfall event in June 2014 it was the first time the contingency plan for the sanitary sewer system was enacted where sewage from outer extremities was shed into the storm system along Minnie Avenue between Nelson and 1<sup>st</sup> Street. Also sewage was shed at the CFN pumping station and at the Sewage Treatment Plant.

- **Next...Investigate and repair the problem. If you are not convinced that something needs to be done have a town employee contact every home owner and/or resident in the neighbourhood and personally ask them to share details of any backup problems. This may also help reduce the feelings of hurt, anger and mistrust that many homeowners are currently harbouring as they feel our neighbourhood sewer repair needs are being overlooked or neglected.**

There is no need to perform any additional investigation work at this time, the Town's sanitary sewer collection system at certain periods during the year under



extreme rainfall events reaches maximum capacity where a contingency plan has been in place since 2007 to shed wastewater from the sanitary sewer collection system in a systematic manner into the storm sewer system. The Town has developed an asset management plan, completed the infiltration and inflow investigation study, and recently just completed year 2 of 3 of a CCTV inspection program to determine an annual replacement and rehabilitation works program for the sanitary sewer collection system. Two spot repairs were completed along the Minnie Avenue gravity sanitary sewer (SL03041 & SL03012) between Scott Street and Nelson Street back in 2013 as a result of year 1 of 3 of the CCTV inspection work.

Presently the Town has a lot of critical pipes within the sanitary sewer collection system and has only been planning ahead one year at a time. Basically dealing with larger trunk lines (3<sup>rd</sup> Street East main) and ensuring all residential properties have positive gravity sewer flow (secondary branch lines). For example hopefully in 2015 the Town will be addressing one block on Phair Avenue between 3<sup>rd</sup> and 5<sup>th</sup> street and probably one block on Nelson street between the Bulter and Shelvin Woodyard.

- **I noticed Mayor Avis's comment in the article 'Mayor to seek re-election' published by the FF Times (Wed., Aug. 27<sup>th</sup> edition) which suggests that money can be found to deal with the infrastructure problem in this area:**

Mayor Avis also said aging sewer, water, and road infrastructure is a major concern for the majority of Ontario municipalities—and it's no different here. But he added that in the last eight years, council has put itself on a "pretty good track" and made sure to put more money into reserves for future repairs. "We've put a tremendous amount of capital into infrastructure over the last eight years, and if elected, my mandate is that we find a great balance and make sure that we put money into infrastructure," said Mayor Avis.

See comments above under section F bulletin pts. No. 2. There is a limited amount of financial resources available where priorities are set by O & F Division who are responsible to operate and maintain the sanitary sewer system (administration) and where Council approves these capital expenditures on an annual basis.

Approximately \$1.5 million of capital work is presently supported by the water and sanitary sewer rates, the Town applies for every available infrastructure grant



at both the provincial and federal government level on a continuous basis to ensure rehabilitation takes place on an annual basis. There is approximately a backlog of \$32 million in capital work to be addressed in the future on the sanitary sewer collection system alone as outlined in the I-I investigation report completed in 2012. Affordability is a major obstacle for the entire community.

- **If the problem is not going to be fixed consider adopting new policies and/or creative solutions. Municipal tax rebates and refunds for repeat flood victims. New bylaws regarding sewers with fines for those who do not comply. Developing flood disaster funds to alleviate hardships felt by citizens living in areas of the town with known poor infrastructure.**

These proposed suggestions are political in nature where Council provides direction on such proposed programs. Also the Town's ability to enforce compliance under such by-laws is limited. Reasonable notice is required to be given by the Town to the property owner in order to gain access to their home to complete an inspection of the sump pump system. Basically determine if cross-connected to the sanitary sewer system. The homeowner usually complies prior to the established inspection date.

- **Though I support development in our town, I believe that before any new structures are built or housing areas designed that will further tax the sewer system in the east end of FF, we need to fix and maintain what we already have. This unfortunately may include postponing the development of the community living facility proposed in the area of the Lakeview Trailer court.**

Council through a strategic plan establishes priorities for the Community. The development of a community living facility proposed in the area of the lakeview trailer park has not been reviewed or discussed by either Council or administration at this time.

- **Also, including some members of our neighbourhood in knowing the details of where we are on the repair schedule (if at all) may be a step in rebuilding a feeling of trust and faith in our town by many residents.** There is no immediate rehabilitation work scheduled to be completed along Minnie Avenue or within the Church Street sewage station catchment area.



**G) In closing:**

- **Sewer backup is a huge problem in this neighbourhood.**

Not true. The Town's sanitary sewer collection system at certain periods during the year under extreme rainfall events reaches maximum capacity where a contingency plan has been in place since 2007 to shed sewage from the sanitary sewer collection system in a systematic manner into the storm sewer system at selected locations.

- **Members of this area are taxpayers and deserve quality service.**

The sanitary sewer collection system is utilized by all customers who paid rates where rehabilitation projects take place from a high priority to a low priority based on size (diameter) and condition rating of the piping. There is a significant backlog of rehabilitation work that must be addressed over time.

- **The people I have met in my neighbourhood represent a varying demographic of the population—elderly folk, some who live on less income and cannot afford constant clean up and repair bills due to sewer backup and may not have the physical capacity to clean up a sewage backup in their home themselves, families with small children who's health could be vulnerable due to sewage entering the home, tenants, single parents, singles, people working multiple jobs to make ends meet, etc.**

See comments above under section D.

- **This issue needs addressing and council/public works needs to start planning for action now. Though it may be too late to undergo repairs this year as winter is approaching, plus an upcoming municipal election to add further confusion, the problems in this neighbourhood cannot be dropped or ignored. I suggest council move towards immediately investigating and planning repairs for early spring at the latest. With the bass tournament and other summer events at the waterfront careful planning and an early start may help avoid conflict with these events.**

Residential property owners & Council don't set the rehabilitation work plan for the sanitary sewer collection system. Proposed rehabilitation priorities are set by



the O & F Division who are responsible to operate and maintain the system for the entire community. Council on an annual basis approves the rehabilitation plan through the budget process.

- **Now that you are informed of our issues I really hope that you can do something good for the wonderful people in my neighbourhood.**

The Operations & Facilities Executive Committee recommends the following;

- 1) That the Operations and Facilities division protocol to enact the contingency plan during extreme rainfall events during the year when the groundwater table is at it's highest elevation (springtime thaw) be reviewed and adjusted to try to enact the contingency plan in a timely fashion to avoid any residential sewage back-ups in this section of the sanitary sewer collection system.
- 2) That the petition forwarded to Council by Kendall Richardson, spokesperson for the Church Street Sewage Pumping station catchment area on September 8<sup>th</sup> has been reviewed and is considered to be addressed at this time by the Operations and Facilities Executive committee.

Respectfully Submitted  
Operations & Facilities Division,

*Doug Brown*

Doug Brown, P. Eng.  
Operations & Facilities Manager

RECOMMENDED

OCT 08 2014

DIV. MNG.

*Doug Brown*

EXECUTIVE COMM.

*R. Wiedenhoff*

**Council approval of this report will ensure the following:**

1. That the Operations and Facilities division protocol to enact the contingency plan during extreme rainfall events during the year when the groundwater table is at it's highest elevation (springtime thaw) be reviewed and adjusted to try to enact the contingency plan in a timely fashion to avoid any residential sewage back-ups in this section of the sanitary sewer collection system.
2. That the petition forwarded to Council by Kendall Richardson, spokesperson for the Church Street Sewage Pumping station catchment area on September 8<sup>th</sup> has been reviewed and is considered to be addressed at this time by the Operations and Facilities Executive committee.

AUG 26 2014

Attention: Fort Frances Mayor Roy Avis and Town Council, August 25<sup>th</sup>, 2014  
320 Portage Avenue,  
Fort Frances, ON  
P9A 3P9

I respectfully request to submit/present a petition at the next town meeting. The petition is a request for the town to investigate and repair sewer problems in the neighbourhood south of Scott Street and east of the Sorting Gap Marina.

It would be most appreciated if someone could contact me to confirm if submission of this petition is possible at this time as well as the meeting particulars. Thank you very much.

Sincerely,

A handwritten signature in dark ink, appearing to read 'K. Richardson', is written over a horizontal line.

Kendall Richardson  
311 Minnie Avenue,  
Fort Frances, ON  
P9A 2P6

Phone Contact: (807) 274-7524



1/4  
Petition recipient: The Town of Fort Frances

Date: August 15<sup>th</sup>, 2014

We, the citizens of the town of Fort Frances living in an area that has experienced what we deem to be excessive sewer(raw sewage and grey-water) backup, petition the town to investigate and repair problems with the local sewer system that are either contributing to or causing this problem. We feel the system in this area receives sewage from the entire east end of Fort Frances as well as some reserve sewage because of improper relief from areas north and east of us.

Many homes in the east end of the town of Fort Frances(Minnie Avenue south of Scott Street, as well as the portions of Church Street and Nelson Street that are located east of the wood yard) have experienced sewer backup in the last 10 years. In numerous cases, residents have experienced more than one incidence of backup. Because of the problems with sewer backup, many residents of this area have experienced property damage and financial loss. Another concern is the fact that many residents have now lost insurance coverage for their basement and its contents.

We request that the sewer issues in the aforementioned neighbourhood be investigated and resolved. A small group of us would like to attend a meeting to further follow up on this matter. At this meeting, we would like to see sewer drawings as well as the list of prep work that has been on the repair schedule for this area.

Submitted by:



Kendall Richardson  
311 Minnie Avenue,  
Fort Frances, ON P9A 2P6

Signatures to Support Investigating & Fixing Sewer Issues in the East End of Fort Frances

Name	Address	Phone #	Signature	Date
Gerald Armstrong	306 Williams	274-9530	G. Armstrong	Aug 15/14
RICHARD BLISS	1114 Nelson	274-3659	Richard Bliss	Aug 15/14
STIM MACDONALD	1109 Nelson St	274-7118	[Signature]	Aug 14/14
W. H. Sanders	1105 Nelson	274-5700	W. H. Sanders	Aug 14/14
JOHN STEIN/RE	1121 Nelson	274-4351 Aug 15 2014	[Signature]	Aug 15/14
Vonna Esselink	327 Minnie Ave	276-2622	[Signature]	Aug 15/14
Jeff Bottomley	1121 Church St	271-1301	[Signature]	Aug 15/2014
Melanie Halvarson	1121 Church St	271-1301	M. Halvarson	Aug 15/14
Dwain Johnston	1037 St. H St	274-7220	Dwain Johnston	Aug 15/14
Shirley Bird	411 Minnie	274-0401	Shirley Bird	Aug 18/14
Coelynn Watson	1109 Church	276-3661	C. Watson	Aug 18/14
CARMEN WILLIAMSON	408 Williams Ave	274-3683	Carmen Williamson	Aug 18/14
ALAN DUNCAN	311 Minnie Ave	274-3524	[Signature]	Aug 26/14
LAWRENCE ALEXANDER	323 Minnie Ave	276-3991	[Signature]	Aug 28, 2014
[Signature]	1131 Church St	274-0412	Joann Roach	4 Sept 2014



## Signatures to Support Investigating &amp; Fixing Sewer Issues in the East End of Fort Frances

Name	Address	Phone #	Signature	Date
Alena Halvorsen	1115 Nelson St.	274-9614	Alena Halvorsen	Aug 8-2014
Judy Witterstrom	1115 Nelson St.	274-9614	Judy Witterstrom	Aug 8/14
Constance McCormick	1110 Nelson St.	274-4717	Cornie McCormick	Aug 12/14
Bill Dosegen	319 Minnie Ave	274-7607	Bill Dosegen	Aug 12/14
Tara Henttonen	1109 Minnie Ave	274-1391	Tara Henttonen	Aug 12/14
Eason Mann	400 Minnie Ave	274-6586	Eason Mann	Aug 12/14
Ed Halvorsen	320 Minnie Ave	274-5945	Ed Halvorsen	Aug 12/14
Leavel Halvorsen	320 Minnie Ave	274-5945	Leavel Halvorsen	Aug 12/14
Brady Hupet	318 Minnie Ave	274-1399	Brady Hupet	Aug 12/14
Matt Plante	316 Minnie Ave	274-2306	Matt Plante	Aug 12/14
Gary Chapman	315 Minnie Ave	274-5409	Gary Chapman	Aug 12/14
Shelly Dargatz	319 Minnie Ave	274-7167	Shelly Dargatz	Aug 12/14
Bob & Ann Fayen	1132 Church St	274-4337	Bob & Ann Fayen	Aug 13/14
John & Diane Wood	1130 Church St	274-3582	John & Diane Wood	Aug 13/14
Levi Ruck	1129 Church St	274-5594	Levi Ruck	Aug 13-14



## Signatures to Support Investigating &amp; Fixing Sewer Issues in the East End of Fort Frances

Name	Address	Phone #	Signature	Date
SABRINA STOESEINGER	1112 Nelson Street	807-275-7333	[Signature]	Aug 13/14
Nancy + Dale Eickens	1129 Nelson St.	274-74935	[Signature]	Aug 13/14
Sharon + David Linn	406 Williams Ave.	274-9673	[Signature]	Aug 13/14
Kolman Kulezowski	1127 Church St	274-7414	[Signature]	Aug 13/14
Barbara Kulezowski	603 Grove Ave	274-6462	[Signature]	Aug 13/14
Larry Kulezowski	603 Grove Ave	274-6462	[Signature]	Aug 13/14
Richard Smith	1118 Church St	276-5959	[Signature]	Aug 13/14
Steve McCoy	1117 Church St	275-7347	[Signature]	Aug 13/14
Wilma Volontz	324 Minnie Dr.	274-4151	[Signature]	Aug 13/14
Daniela Frack	405 Minnie Ave	274-2210	[Signature]	Aug 13/14
Arneby Armstrong (Vog)	307 Minnie Ave	276-3588	[Signature]	Aug 14/14
Diane Wildo	1104 Church	275-8733	[Signature]	Aug 14/14
DANA ALLEN	1111 Church	275-5092	[Signature]	Aug 14/14
Don Beck	1116 Church	274-2790	[Signature]	" " "
B.H. Smith	1126 Church	274-0970	[Signature]	" " "

WILLIAM FISHER 308 Williams Ave 481-2537 William Fisher Sept. 8/14



**A) Good evening and thank you very much to our town council for allowing my presentation.**

**B) To make sure everyone understands the issue I am bringing up I will first read my petition.**

“We, the citizens of the town of Fort Frances living in an area that has experienced what we deem to be excessive sewer(raw sewage and grey-water) backup, petition the town to investigate and repair problems with the local sewer system that are either contributing to or causing this problem. We feel the system in this area receives sewage from the entire east end of Fort Frances as well as some reserve sewage because of improper relief from areas north and east of us.

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We request that the sewer issues in the aforementioned neighbourhood be investigated and resolved. A small group of us would like to attend a meeting to further follow up on this matter. At this meeting, we would like to see sewer drawings as well as the list of prep work that has been on the repair schedule for this area.”

C) Here are a few examples to clarify what I define excessive sewer backup:

- Over half of the homes in the defined neighbourhood have had sewer backup in the last 13 years. (more like  $\frac{3}{4}$ + and this happened in homes without basements also)
- One home has had more than one backup this year alone. Many homes with backup problems have stopped calling public works to complain or ask for assistance because they feel that their issues have not being dealt with and that it is a waste of time to contact the town.
- Another residence has had six incidences over the years that they have been living there.
- My house has had four insurance claims due to backup since the year 2000 and the town has snaked the line through my property twice preventing two more claims. We were not billed for this service because the clog was determined to be down the street from us by measuring the amount of snake line let out.
- In a number of cases, the rate at which the sewage was backing up could be compared to the force you observe when the fire hydrants are being tested around town. Again, in my home, the carpet covering my floor was lifted off the ground creating a very interesting wave through my house when the grey water from the sewers exploded past my check valve then upwards through my basement floor drain. As well, the flood alarm was blown apart before it could even go off. It took only five minutes for the water levels to breech the sump holes and set off the flood alarms there. I found this very upsetting because my youngest child had a sleepover party a week prior to the flooding and had this occurred then one can only imagine what may have happened to those little boys cocooned in their sleeping bags, sleeping in a line across the recroom, on the basement floor. Many families have recrooms where a baby may nap in a playpen or even bedrooms used by children in their basements. A sewer backup in one of these homes could be devastating.



The number of sewage backup incidences in this neighbourhood is at a level that is completely unacceptable.

D) All signatures on my petition were from adults who have an interest in this neighbourhood. I did not canvass other areas for signatures so that is why there are forty-five names. Four residents did opt not to sign though some of them have had problems. I am willing to discuss the reasons why they declined with council in private but do not want to draw attention to them during a public meeting. One house I attempted to visit did not have anyone home and may be vacant so I was unable to obtain a signature from that house as well.

E) I don't believe that there are malicious reasons for the sewers not being fixed in our area. The true reason is a lack of communication and data management. There is no tracking system on how many service call outs are required by public works for neighbourhoods within the town of FF. Town employees have mentioned to me that there is a sewer bottleneck at the corner of Minnie and Nelson due to a pipe narrowing and level change at this location. I believe this problem is further exasperated when the town sewers are maxed out during times of heavy rain.

As well, there are issues with the complaint system. As far as I know, none of the many complaints filed by citizens of my neighbourhood were responded to by the town. Many of these complaint forms were deleted without even being read due to the town website having spam issues. In my opinion this is violation of the customer complaint policy. This makes me wonder...if I throw out my tax bill without opening it am I still required to pay it? May I also suggest that the online customer complaint form be removed from the town website until I.T. services can fix the problem? I have one complaint form that a more tech savvy person printed and shared with me. This is an example of how much effort was put into supplying details to assist the town in repairing sewers in the area. Unfortunately, these details were all lost or deleted by the town.



F) I would now like to make suggestions and talk about how to move forward towards a resolution.

- A simple apology for communication issues and acknowledgement of the problem would be a start. I know that the corner of Minnie and Nelson was highlighted on a map and discussed at the town emergency meeting when flooding threatened the municipality towards the end of June.
- Next...Investigate and repair the problem. If you are not convinced that something needs to be done have a town employee contact every home owner and/or resident in the neighbourhood and personally ask them to share details of any backup problems. This may also help reduce the feelings of hurt, anger and mistrust that many homeowners are currently harbouring as they feel our neighbourhood sewer repair needs are being overlooked or neglected.
- I noticed Mayor Avis's comment in the article 'Mayor to seek re-election' published by the FF Times (Wed., Aug. 27<sup>th</sup> edition) which suggests that money can be found to deal with the infrastructure problem in this area:

Mayor Avis also said aging sewer, water, and road infrastructure is a major concern for the majority of Ontario municipalities—and it's no different here. But he added that in the last eight years, council has put itself on a "pretty good track" and made sure to put more money into reserves for future repairs. "We've put a tremendous amount of capital into infrastructure over the last eight years, and if elected, my mandate is that we find a great balance and make sure that we put money into infrastructure," said Mayor Avis.

- If the problem is not going to be fixed consider adopting new policies and/or creative solutions. Municipal tax rebates and refunds for repeat flood victims. New bylaws regarding sewers with fines for those who do not comply. Developing flood disaster funds to alleviate hardships felt by citizens living in areas of the town with known poor infrastructure.



- Though I support development in our town, I believe that before any new structures are built or housing areas designed that will further tax the sewer system in the east end of FF, we need to fix and maintain what we already have. This unfortunately may include postponing the development of the community living facility proposed in the area of the Lakeview Trailer court.
- Also, including some members of our neighbourhood in knowing the details of where we are on the repair schedule (if at all) may be a step in rebuilding a feeling of trust and faith in our town by many residents.

**G) In closing:**

- Sewer backup is a huge problem in this neighbourhood.
- Members of this area are taxpayers and deserve quality service.
- The people I have met in my neighbourhood represent a varying demographic of the population—elderly folk, some who live on less income and cannot afford constant clean up and repair bills due to sewer backup and may not have the physical capacity to clean up a sewage backup in their home themselves, families with small children who's health could be vulnerable due to sewage entering the home, tenants, single parents, singles, people working multiple jobs to make ends meet, etc.
- This issue needs addressing and council/public works needs to start planning for action now. Though it may be too late to undergo repairs this year as winter is approaching, plus an upcoming municipal election to add further confusion, the problems in this neighbourhood cannot be dropped or ignored. I suggest council move towards immediately investigating and planning repairs for early spring at the latest. With the bass tournament and other summer events at the waterfront careful planning and an early start may help avoid conflict with these events.
- Now that you are informed of our issues I really hope that you can do something good for the wonderful people in my neighbourhood.

Thanks again...questions from either gallery or council?

SANLINE_ID LOCATION		LOC_INFO		SIZE	PMAT	LENGTH	INSTYR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISKRATING
1	SL00002	MCIRVINE ROAD SOUTH	MCIRVINE TO STP FIELD	900 CONP		49.745079	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
2	SL00007	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		82.21796894	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
3	SL00031	FIFTH STREET WEST	YORK TO CORNWALL	750 CONP		108.694775	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
4	SL00032	FIFTH STREET WEST	CORNWALL TO FM MH	750 CONP		123.4858905	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
5	SL00033	FIFTH STREET WEST	CORNWALL TO FM MH	750 CONP		125.3564795	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
6	SL00029	FIFTH STREET WEST	LILLIE TO YORK	750 CONP		110.3901758	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
7	SL00027	FIFTH STREET WEST	WEBSTER TO LILLIE	750 CONP		75.47402371	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
8	SL00028	FIFTH STREET WEST	LILLIE TO YORK	750 CONP		114.5516858	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
9	SL00024	FIFTH STREET WEST	WRIGHT TO WEBSTER	750 CONP		106.8798446	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
10	SL00025	FIFTH STREET WEST	WRIGHT TO WEBSTER	750 CONP		108.9653158	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
11	SL00026	FIFTH STREET WEST	WEBSTER TO LILLIE	750 CONP		82.94329141	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
12	SL00030	FIFTH STREET WEST	YORK TO CORNWALL	750 CONP		108.9326945	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
13	SL00022	FIFTH STREET WEST	KEATING TO WRIGHT	750 CONP		108.6702318	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
14	SL00020	FIFTH STREET WEST	MCIRVINE TO KEATING	750 CONP		103.2041977	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
15	SL00021	FIFTH STREET WEST	KEATING TO WRIGHT	750 CONP		108.5709172	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
16	SL00018	FIFTH STREET WEST	MCIRVINE TO KEATING	750 CONP		101.3655957	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
17	SL00017	FIFTH STREET WEST	MCIRVINE TO KEATING	750 CONP		101.5561921	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
18	SL00019	FIFTH STREET WEST	MCIRVINE TO KEATING	750 CONP		103.0993793	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
19	SL00015	MCIRVINE ROAD NORTH	MCIRVINE NORTH OF CNR	900 CONP		83.68432599	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
20	SL00014	MCIRVINE ROAD NORTH	MCIRVINE NORTH OF HWY	900 CONP		101.9714632	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
21	SL00012	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		102.5245084	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
22	SL00011	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		88.90665083	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
23	SL00009	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		89.27670718	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
24	SL00008	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		106.0496889	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
25	SL00010	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		101.8354619	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
26	SL00013	MCIRVINE ROAD SOUTH	MCIRVINE NORTH OF HWY	900 CONP		103.7381119	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
27	SL00016	FIFTH STREET WEST	KEATING TO WRIGHT	750 CONP		107.2840306	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
28	SL00023	FIFTH STREET WEST	MCIRVINE SOUTH OF HWY	900 CONP		136.2466024	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
29	SL00006	MCIRVINE ROAD SOUTH	MCIRVINE SOUTH OF HWY	900 CONP		64.90036166	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
30	SL00003	MCIRVINE ROAD SOUTH	COLON. RD. TO SOUTH	900 CONP		75.17655291	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
31	SL00004	MCIRVINE ROAD SOUTH	MCIRVINE-COLON. NORTH	900 CONP		115.8544924	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
32	SL00005	MCIRVINE ROAD SOUTH	<b>Total</b>			<b>3157.000566</b>					
33	SL02069	FIFTH STREET EAST	FRENETTE TO SHEVLIN	400 AC		105.5659665	1962	07/01/2012	0 - Critical	Unknown	9 - Very High
34	SL02067	FIFTH STREET EAST	FRENETTE TO SHEVLIN	400 AC		126.1843137	1962	07/01/2012	0 - Critical	Unknown	9 - Very High
35	SL02068	FIFTH STREET EAST	FRENETTE TO SHEVLIN	400 AC		85.78920278	1962	07/01/2012	0 - Critical	Unknown	9 - Very High
36	SL02062	FRENETTE AVENUE	THIRD TO FOURTH	400 AC		100.1137173	1964	07/01/2012	3 - Critical	Unknown	9 - Very High
37	SL02063	FRENETTE AVENUE	FOURTH TO FIFTH	400 AC		99.68945044	1958	07/01/2012	0 - Critical	Unknown	9 - Very High
38	SL02028	THIRD STREET EAST	CROWE TO PHAIR	450 CLP		137.5886878	1947	07/01/2012	0 - Critical	10 - Critical	9 - Very High
39	SL02066	FRENETTE EAST	FRENETTE TO SHEVLIN	400 AC		107.554243	1962	07/01/2012	0 - Critical	Unknown	9 - Very High
40	SL02032	FRENETTE AVENUE	SECOND TO FIRST	375 CLP		100.9942969	1931	07/01/2012	0 - Critical	Unknown	9 - Very High
41	SL02224	NELSON STREET	CROWE EAST TO MID-BLOCK	375 CLP		91.44300069	1913	07/01/2012	0 - Critical	Unknown	9 - Very High
42	SL02225	NELSON STREET	MID-BLOCK EAST TO MOSHER	375 CLP		89.39326846	1913	07/01/2012	0 - Critical	Unknown	9 - Very High
43	SL02275	GILLON STREET	ARENA PARKING LOT	380 CLP		56.98169161	1925	07/01/2012	0 - Critical	Unknown	9 - Very High
44	SL02080	ARMIT AVENUE SOUTH	THIRD TO FOURTH	375 CLP		111.1464914	1932	07/01/2012	0 - Critical	Unknown	9 - Very High
45	SL02025	THIRD STREET EAST	CHRISTIE TO ARMIT	450 PVC		111.4837265	2001	07/01/2012	86 - Excellent	10 - Critical	9 - Very High
46	SL02081	ARMIT AVENUE SOUTH	FOURTH TO FIFTH	375 CLP		86.92393414	1932	07/01/2012	0 - Critical	Unknown	9 - Very High
47	SL02082	ARMIT AVENUE SOUTH	FIFTH TO CNR	375 CLP		68.71865699	1932	07/01/2012	0 - Critical	Unknown	9 - Very High
48	SL02026	THIRD STREET EAST	ARMIT TO CROWE-ROBERT MOORE	450 CLP		108.5085392	1929	07/01/2012	0 - Critical	10 - Critical	9 - Very High
49	SL02222	NELSON STREET	ARMIT EAST TO MID-BLOCK	375 CLP		107.7273466	1916	07/01/2012	0 - Critical	Unknown	9 - Very High
50	SL02223	NELSON STREET	MID-BLOCK EAST TO CROWE	375 CLP		112.6331315	1916	07/01/2012	0 - Critical	Unknown	9 - Very High



SANLINE_ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INSTVR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
51 SLO0138	KEATING AVENUE SOUTH	KING'S HWY. TO LANE	600 AC	600 AC	52.71776177	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
52 SLO2183	MOWAT AVENUE	NELSON SOUTH (MILL PROP.)	400 CLP	400 CLP	119.2450576	1919	0 - Critical	0 - Critical	Unknown	9 - Very High
53 SLO2006	FIRST STREET EAST	MOWAT TO PORTAGE	375 CLP	375 CLP	110.9731278	1912	07/01/2012	0 - Critical	Unknown	9 - Very High
54 SLO2004	FIRST STREET EAST	CENTRAL AVENUE TO MOWAT	500 CLP	500 CLP	77.63845655	1945	07/01/2012	0 - Critical	Unknown	9 - Very High
55 SLO2016	SECOND STREET EAST	CENTRAL TO MOWAT	450 PVC	450 PVC	103.3578588	2013	07/01/2012	0 - Critical	Unknown	9 - Very High
56 SLO2005	FIRST STREET EAST	CENTRAL AVENUE TO MOWAT	500 CLP	500 CLP	97.59871276	1912	07/01/2012	0 - Critical	Unknown	9 - Very High
57 SLO2017	SECOND STREET EAST	CENTRAL TO MOWAT	450 PVC	450 PVC	80.5421065	2013	07/01/2012	0 - Critical	Unknown	9 - Very High
58 SLO2182	NELSON STREET	MOWAT EAST TO MID-BLOCK	375 CLP	375 CLP	109.3609701	1919	0 - Critical	0 - Critical	10 - Critical	9 - Very High
59 SLO2179	MOWAT AVENUE	CHURCH NORTH TO SQ.	450 CLP	450 CLP	5.423201624	1919	07/01/2012	0 - Critical	Unknown	9 - Very High
60 SLO2138	THIRD STREET WEST	CENTRAL TO CORNWALL	380 AC	380 AC	63.99412345	1961	07/01/2012	0 - Critical	Unknown	9 - Very High
61 SLO2139	THIRD STREET WEST	CENTRAL TO CORNWALL	380 AC	380 AC	62.65549563	1961	07/01/2012	0 - Critical	Unknown	9 - Very High
62 SLO2140	THIRD STREET WEST	CENTRAL TO CORNWALL	380 AC	380 AC	79.22793773	1961	07/01/2012	0 - Critical	Unknown	9 - Very High
63 SLO2137	THIRD STREET WEST	CENTRAL TO CORNWALL	400 AC	400 AC	82.08607608	1961	07/01/2012	0 - Critical	Unknown	9 - Very High
64 SLO0187	CENTRAL AVENUE	FIFTH ST TO CENTRAL LIFT	450 AC	450 AC	278.1260847	1982	07/01/2012	0 - Critical	Unknown	9 - Very High
65 SLO2018	MOWAT AVENUE	THIRD TO SECOND	500 PVC	500 PVC	102.6619955	2013	07/01/2012	0 - Critical	Unknown	9 - Very High
66 SLO0144	KEATING AVENUE SOUTH	SECOND TO THIRD	500 AC	500 AC	99.01957942	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
67 SLO0143	KEATING AVENUE SOUTH	FIRST TO SECOND	500 AC	500 AC	92.25771067	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
68 SLO0140	KEATING AVENUE SOUTH	STEWART TO MORRISON CRESC.	500 AC	500 AC	93.20826119	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
69 SLO0139	KEATING AVENUE SOUTH	KING'S HWY. TO STEWART	600 AC	600 AC	38.0394767	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
70 SLO0141	KEATING AVENUE SOUTH	STEWART TO MORRISON CRESC.	500 AC	500 AC	92.98409206	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
71 SLO0142	KEATING AVENUE SOUTH	MORRISON TO FIRST	500 AC	500 AC	99.07834615	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
72 SLO0136	KEATING AVENUE SOUTH	THOMPSON TO RIVERVIEW	600 AC	600 AC	44.39363711	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
73 SLO0135	KEATING AVENUE SOUTH	THOMPSON TO RIVERVIEW	600 AC	600 AC	63.28581603	1945	07/01/2012	0 - Critical	Unknown	9 - Very High
74 SLO0137	KEATING AVENUE SOUTH	LANE TO THOMPSON	600 AC	600 AC	50.40648794	1954	07/01/2012	0 - Critical	Unknown	9 - Very High
75 SLO0000	MCIRVINE ROAD SOUTH	NORTH STP FIELD TO STP	900 CONP	900 CONP	66.35674466	1973	07/01/2012	21 - Poor	Unknown	9 - Very High
76 SLO0001	MCIRVINE ROAD SOUTH	STP FIELD TO NORTH	900 CONP	900 CONP	10.7898501	1973	07/01/2012	21 - Poor	Unknown	9 - Very High
					3983.868634					
77 SLO0200	FIFTH STREET EAST	FIFTH ST. LIFT STATION TO SHEVLIN	300 AC	300 AC	725.0800723	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
78 SLO0116	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	300 AC	300 AC	88.93573996	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
79 SLO0075	KING'S HIGHWAY	PIT ROAD #1 TO DANIEL	350 AC	350 AC	93.11415988	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
80 SLO0076	KING'S HIGHWAY	PIT ROAD #1 TO DANIEL	350 AC	350 AC	92.83293956	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
81 SLO0117	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	300 AC	300 AC	93.74245457	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
82 SLO2130	SIXTH STREET WEST	MID-BLOCK WEST TO MID-BLOCK	300 CLP	300 CLP	58.23340913	1945	07/01/2012	0 - Critical	10 - Critical	8 - Very High
83 SLO2241	NELSON STREET	MOSHER EAST TO MID-BLOCK	300 CLP	300 CLP	14.65301982	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
84 SLO4013	MINNIE AVENUE	FOURTH TO THIRD	300 AC	300 AC	96.6293282	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
85 SLO3007	SCOTT STREET	MID-BLOCK EAST TO MINNIE	300 CLP	300 CLP	100.4999395	1968	07/01/2012	11 - Critical	Unknown	8 - Very High
86 SLO3039	MINNIE AVENUE	SECOND TO THIRD	300 CLP	300 CLP	102.8936806	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
87 SLO2076	THIRD STREET EAST	FRENETTE TO REID	300 AC	300 AC	117.1409802	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
88 SLO2056	PHAIR AVENUE	FIFTH TO SIXTH	300 CLP	300 CLP	106.1049638	1945	07/01/2012	0 - Critical	10 - Critical	8 - Very High
89 SLO2053	PHAIR AVENUE	THIRD TO FIFTH	300 CLP	300 CLP	102.6650495	1945	07/01/2012	0 - Critical	10 - Critical	8 - Very High
90 SLO2029	THIRD STREET EAST	PHAIR TO FRENETTE	450 CLP	450 CLP	136.4698111	1958	07/01/2012	0 - Critical	20 - Poor	8 - Very High
91 SLO2064	FRENETTE AVENUE	FIFTH TO SIXTH	300 AC	300 AC	103.2128004	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
92 SLO2075	THIRD STREET EAST	FRENETTE TO REID	300 AC	300 AC	115.2587677	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
93 SLO2079	SECOND STREET EAST	FRENETTE TO REID	300 AC	300 AC	116.5950615	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
94 SLO3005	SCOTT STREET	MID-BLOCK TO SHEVLIN	300 CLP	300 CLP	99.96869188	1924	07/01/2012	0 - Critical	Unknown	8 - Very High
95 SLO3003	SCOTT STREET	BUTLER EAST TO REID	300 CLP	300 CLP	129.4876069	1924	07/01/2012	0 - Critical	Unknown	8 - Very High
96 SLO3004	SCOTT STREET	REID EAST TO MID-BLOCK	300 CLP	300 CLP	94.50691559	1924	07/01/2012	0 - Critical	Unknown	8 - Very High
97 SLO2015	FIRST STREET EAST	CROWE TO MOSHER	300 CLP	300 CLP	89.68462442	1925	07/01/2012	0 - Critical	10 - Critical	8 - Very High
98 SLO2274	NELSON STREET	REPAIR 13M EAST TO MID-BLOCK	300 CLP	300 CLP	86.14093943	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
99 SLO2228	CROWE AVENUE	SCOTT TO CHURCH	300 CLP	300 CLP	120.293499	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
100 SLO242	NELSON STREET	MID-BLOCK TO BUTLER	300 CLP	300 CLP	101.2110148	1913	07/01/2012	0 - Critical	Unknown	8 - Very High
101 SLO2078	SECOND STREET EAST	FRENETTE TO REID	300 AC	300 AC	113.9316071	1954	07/01/2012	0 - Critical	Unknown	8 - Very High

SANLINE_ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INSTYR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
102 SLO2035	CLOWE AVENUE	SECOND TO THIRD	300 CLP		102.7982678	1926	07/01/2012	0 - Critical	Unknown	8 - Very High
103 SLO2091	SMITH AVENUE SOUTH	FIFTH TO CNR - DEAD END	300 CLP		74.48633753	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
104 SLO2085	ARMIT AVENUE NORTH	SIXTH TO OSBORNE	300 AC		114.3003611	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
105 SLO2084	ARMIT AVENUE NORTH	NORTH OF CNR TO SIXTH	300 AC		84.21486502	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
106 SLO2089	SMITH AVENUE SOUTH	FOURTH TO FIFTH	300 CLP		87.13085738	1944	07/01/2012	0 - Critical	Unknown	8 - Very High
107 SLO2092	CHRISTIE AVENUE SOUTH	THIRD TO FOURTH	300 CLP		110.0764525	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
108 SLO2093	CHRISTIE AVENUE SOUTH	FOURTH TO FIFTH @ CNR	300 CLP		89.74682166	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
109 SLO2094	CHRISTIE AVENUE NORTH	FIFTH @ CNR TO NORTH OF CNR	300 CLP		38.17649365	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
110 SLO2273	FOURTH STREET EAST	SMITH - REPAIR EAST OF ARMIT	300 CLP		85.592256	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
111 SLO2083	ARMIT AVENUE NORTH	SOUTH OF CNR TO NORTH OF CNR	300 AC		58.1320871	1948	07/01/2012	0 - Critical	Unknown	8 - Very High
112 SLO2090	SMITH AVENUE SOUTH	FIFTH TO CNR	300 CLP		86.04365241	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
113 SLO2109	SIXTH STREET EAST	MCKENZIE TO VICTORIA	300 CLP		109.7629388	1924	07/01/2012	0 - Critical	Unknown	8 - Very High
114 SLO2108	MCKENZIE AVENUE NORTH	FIFTH TO SIXTH	300 CLP		107.7360577	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
115 SLO2114	PORTAGE AVENUE NORTH	SUBWAY - NORTH OF CNR TO FIFTH	300 CLP		73.36854652	1959	07/01/2012	0 - Critical	Unknown	8 - Very High
116 SLO2104	PORTAGE AVENUE NORTH	SOUTH OF CNR TO NORTH OF CNR	300 AC		36.04182858	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
117 SLO2103	PORTAGE AVENUE NORTH	SUBWAY BANK - LANE TO CNR	300 AC		41.28938816	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
118 SLO2106	FIFTH STREET EAST	PORTAGE TO MCKENZIE	300 CLP		110.2587163	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
119 SLO2107	MCKENZIE AVENUE NORTH	FIFTH TO SIXTH	300 CLP		101.4417282	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
120 SLO3006	SCOTT STREET	SHEVLIN EAST TO MID-BLOCK	300 CLP		100.7847937	1924	07/01/2012	0 - Critical	Unknown	8 - Very High
121 SLO2201	PORTAGE AVENUE SOUTH	NELSON TO SINCLAIR	300 CLP		97.16643567	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
122 SLO0113	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	300 AC		120.2634382	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
123 SLO0088	BIDDESON AVENUE	RIVER ROAD TO COLON. ROAD. W.	350 AC		109.0598003	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
124 SLO0078	RIVER ROAD WEST	MCMURDO TO BIDDESON	350 AC		126.1930799	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
125 SLO0158	RIVERVIEW DRIVE	HOLMES TO ELM	300 AC		63.90592158	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
126 SLO0153	HOLMES AVENUE	THOMPSON TO RIVERVIEW	300 AC		66.17082438	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
127 SLO0152	THOMPSON STREET	HOLMES TO KEATING	300 AC		84.52940076	1954	07/01/2012	0 - Critical	Unknown	8 - Very High
128 SLO0160	ELM AVENUE	RIVERVIEW TO KING'S	300 AC		122.1698112	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
129 SLO0154	LANE SOUTH OF KING'S HWY	BTW KEATING & HOLMES	300 AC		126.2917447	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
130 SLO2121	SIXTH STREET EAST	PORTAGE WEST TO MID-BLOCK	300 CLP		112.4557883	1948	07/01/2012	0 - Critical	10 - Critical	8 - Very High
131 SLO4072	IDYLWILD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		100.5741079	1963	07/01/2012	1 - Critical	10 - Critical	8 - Very High
132 SLO4063	LAKE ROAD	MID-BLOCK EAST TO MID-BLOCK	300 AC		81.03815694	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
133 SLO4062	LAKE ROAD	MILL ROAD EAST TO MID-BLOCK	300 AC		56.70735247	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
134 SLO4054	MILL ROAD	ALONG OVERPASS NORTH OF CNR	300 AC		95.57877932	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
135 SLO0042	CORNWALL AVENUE NORTH	SIXTH TO ELIZABETH	300 AC		105.38643	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
136 SLO0034	CORNWALL AVENUE NORTH	FIFTH TO ELIZABETH	300 AC		106.4374547	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
137 SLO2205	CHURCH STREET	MOWAT EAST TO RAINY LAKE LANE	300 CLP		74.53710443	1929	07/01/2012	0 - Critical	Unknown	8 - Very High
138 SLO2181	MOWAT AVENUE	CHURCH SOUTH TO MID-BLOCK	450 CLP		122.850999	1919	07/01/2012	0 - Critical	30 - Poor	8 - Very High
139 SLO2177	MOWAT AVENUE	SCOTT TO FIRST	450 CLP		110.8194635	1919	07/01/2012	0 - Critical	30 - Poor	8 - Very High
140 SLO2144	THIRD STREET WEST	CORNWALL WEST TO MID-BLOCK	300 CLP		109.2396172	1961	07/01/2012	0 - Critical	Unknown	8 - Very High
141 SLO0038	YORK AVENUE NORTH	ELIZABETH TO SIXTH	350 AC		104.2786979	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
142 SLO0037	YORK AVENUE NORTH	FIFTH TO ELIZABETH	350 AC		105.7058977	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
143 SLO2148	THIRD STREET WEST	YORK WEST TO MID-BLOCK	300 CLP		109.3924355	1919	07/01/2012	0 - Critical	Unknown	8 - Very High
144 SLO2150	THIRD STREET WEST	LILLIE WEST TO MID-BLOCK	300 CLP		83.26007057	1926	07/01/2012	0 - Critical	Unknown	8 - Very High
145 SLO2172	LILLIE AVENUE SOUTH	KING'S HWY TO MID-BLOCK	300 CLP		63.67552649	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
146 SLO2149	THIRD STREET WEST	MID-BLOCK TO LILLIE	300 CLP		109.2214029	1919	07/01/2012	0 - Critical	Unknown	8 - Very High
147 SLO2173	LILLIE AVENUE SOUTH	MID-BLOCK TO DEAD END @LANE	300 CLP		67.8208779	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
148 SLO2161	WEBSTER AVENUE SOUTH	THIRD TO SECOND	300 CLP		99.43137221	1931	07/01/2012	0 - Critical	Unknown	8 - Very High
149 SLO2175	WEBSTER AVENUE SOUTH	MID-BLOCK TO SOUTH OF KING'S	300 AC		30.18558321	1969	07/01/2012	13 - Critical	Unknown	8 - Very High
150 SLO2170	WEBSTER AVENUE SOUTH	KING'S HWY TO SECOND	300 AC		43.92342048	1969	07/01/2012	13 - Critical	Unknown	8 - Very High
151 SLO2174	WEBSTER AVENUE SOUTH	SOUTH OF KING'S TO NORTH	300 AC		26.21164443	1969	07/01/2012	13 - Critical	Unknown	8 - Very High
152 SLO0161	ELM AVENUE	RIVERVIEW TO KING'S	300 AC		120.4514956	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
153 SLO2171	KING'S HIGHWAY	LILLIE TO WESTER	300 CLP		92.46183011	1945	07/01/2012	0 - Critical	Unknown	8 - Very High



SANLINE_ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INSTYR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISKRATING
154 SLO2151	THIRD STREET WEST	MID-BLOCK WEST TO WEBSTER	300 CLP	300 CLP	82.97978957	1926	07/01/2012	0 - Critical	Unknown	8 - Very High
155 SLO2152	WEBSTER AVENUE SOUTH	THIRD TO FOURTH	300 CLP	300 CLP	99.50648814	1928	07/01/2012	0 - Critical	Unknown	8 - Very High
156 SLO2145	THIRD STREET WEST	MID-BLOCK TO YORK	300 CLP	300 CLP	108.9484833	1961	07/01/2012	0 - Critical	Unknown	8 - Very High
157 SLO0055	KEATING AVENUE NORTH	FIFTH TO SIXTH	300 AC	300 AC	109.2484399	1970	07/01/2012	15 - Critical	Unknown	8 - Very High
158 SLO0054	KEATING AVENUE NORTH	FIFTH TO SIXTH	300 AC	300 AC	101.3864247	1970	07/01/2012	15 - Critical	Unknown	8 - Very High
159 SLO0183	THIRD STREET WEST	KEATING TO HOLMES	300 AC	300 AC	112.1062558	1958	07/01/2012	0 - Critical	Unknown	8 - Very High
160 SLO0184	SECOND STREET WEST	KEATING TO HOLMES	300 AC	300 AC	141.7187551	1958	07/01/2012	0 - Critical	Unknown	8 - Very High
161 SLO0173	SECOND STREET WEST	FUNDERS TO KEATING	300 CLP	300 CLP	79.04800438	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
162 SLO0172	SECOND STREET WEST	KEATING TO HOLMES	300 CLP	300 CLP	10.03519057	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
163 SLO0145	THIRD STREET WEST	KEATING TO HOLMES	300 AC	300 AC	112.4214221	1958	07/01/2012	0 - Critical	Unknown	8 - Very High
164 SLO0171	SECOND STREET WEST	KEATING TO HOLMES	300 AC	300 AC	80.8796206	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
165 SLO0178	STEWART STREET	KEATING TO HOLMES	300 AC	300 AC	132.2794412	1955	07/01/2012	0 - Critical	Unknown	8 - Very High
166 SLO0155	LANE SOUTH OF KING'S HWY	BTW KEATING & HOLMES	300 AC	300 AC	123.6002286	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
167 SLO0156	HOLMES AVENUE	KING'S HWY TO THOMPSON	300 AC	300 AC	51.50593148	1954	07/01/2012	0 - Critical	Unknown	8 - Very High
168 SLO0162	STEWART STREET	KEATING TO HOLMES	300 AC	300 AC	11.81785239	1955	07/01/2012	0 - Critical	Unknown	8 - Very High
169 SLO0163	STEWART STREET	KEATING TO HOLMES	300 AC	300 AC	122.4712621	1955	07/01/2012	0 - Critical	Unknown	8 - Very High
170 SLO0159	RIVERVIEW DRIVE	HOLMES TO ELM	300 AC	300 AC	98.22699936	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
171 SLO0147	RIVERVIEW DRIVE	KEATING TO HOLMES	300 AC	300 AC	113.0245352	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
172 SLO0151	THOMPSON STREET	HOLMES TO KEATING	300 AC	300 AC	79.46035184	1954	07/01/2012	0 - Critical	Unknown	8 - Very High
173 SLO0148	HOLMES AVENUE	THOMPSON TO RIVERVIEW	300 AC	300 AC	61.05765568	1954	07/01/2012	0 - Critical	Unknown	8 - Very High
174 SLO0134	RIVERVIEW DRIVE	KEATING TO HOLMES	300 AC	300 AC	10.40297031	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
175 SLO0149	THOMPSON STREET	HOLMES TO KEATING	300 AC	300 AC	11.53643368	1954	07/01/2012	0 - Critical	Unknown	8 - Very High
176 SLO0191	LANE SOUTH OF KING'S HWY	BTW THOMPSON & KING'S	300 AC	300 AC	12.31806724	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
177 SLO0146	RIVERVIEW DRIVE	KEATING TO HOLMES	300 AC	300 AC	128.2717228	1953	07/01/2012	0 - Critical	Unknown	8 - Very High
178 SLO0150	THOMPSON STREET	HOLMES TO KEATING	300 AC	300 AC	86.20810343	1954	07/01/2012	0 - Critical	Unknown	8 - Very High
179 SLO0068	KING'S HIGHWAY	DANIEL TO MCIRVINE	350 AC	350 AC	100.9098601	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
180 SLO0070	KING'S HIGHWAY	DANIEL TO MCIRVINE	350 AC	350 AC	112.3277524	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
181 SLO0069	KING'S HIGHWAY	DANIEL TO MCIRVINE	350 AC	350 AC	108.6464983	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
182 SLO0077	MCIRVINE ROAD SOUTH	RIVER ROAD TO NORTH	350 AC	350 AC	68.3543753	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
183 SLO0072	KING'S HIGHWAY	PIT ROAD #1 TO DANIEL	350 AC	350 AC	99.15183579	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
184 SLO0074	KING'S HIGHWAY	PIT ROAD #1 TO DANIEL	350 AC	350 AC	91.33468737	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
185 SLO0073	KING'S HIGHWAY	PIT ROAD #1 TO DANIEL	350 AC	350 AC	84.97676789	1967	07/01/2012	9 - Critical	Unknown	8 - Very High
186 SLO0105	COLONIZATION ROAD WEST	KERR PLACE TO EMO ROAD	350 AC	350 AC	50.53981783	1965	07/01/2012	5 - Critical	Unknown	8 - Very High
187 SLO0112	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	300 AC	300 AC	106.0519249	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
188 SLO0101	COLONIZATION ROAD WEST	BIDDESON TO KERR PLACE	350 AC	350 AC	44.69608221	1945	07/01/2012	0 - Critical	Unknown	8 - Very High
189 SLO0100	COLONIZATION ROAD WEST	BIDDESON TO KERR PLACE	350 AC	350 AC	100.6690268	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
190 SLO0071	KING'S HIGHWAY	DANIEL TO MCIRVINE	350 AC	350 AC	89.86404831	1967	07/01/2012	3 - Critical	Unknown	8 - Very High
191 SLO0080	RIVER ROAD WEST	MCIRVINE TO BIDDESON	350 AC	350 AC	104.8875377	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
192 SLO0087	BIDDESON AVENUE	RIVER ROAD TO COLON. ROAD. W.	350 AC	350 AC	107.9310179	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
193 SLO0079	RIVER ROAD WEST	MCIRVINE TO BIDDESON	350 AC	350 AC	87.3093076	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
194 SLO0115	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	300 AC	300 AC	94.03425774	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
195 SLO0114	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	300 AC	300 AC	42.95520081	1964	07/01/2012	3 - Critical	Unknown	8 - Very High
196 SLO0460	MILL ROAD	EIGHTH NORTH OLD GOLF COURSE	300 AC	300 AC	73.23914831	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
197 SLO0459	MILL ROAD	EIGHTH NORTH OLD GOLF COURSE	300 AC	300 AC	26.87581234	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
198 SLO0455	MILL ROAD	ALONG OVERPASS NORTH OF CNR	300 AC	300 AC	60.41703092	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
199 SLO0461	MILL ROAD	OLD GOLF COURSE TO LAKE ROAD	300 AC	300 AC	70.24764737	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
200 SLO0464	LAKE ROAD	MID-BLOCK TO IDYLWILD	300 AC	300 AC	82.73926415	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
201 SLO0450	COLONIZATION ROAD EAST	ELIZABETH NORTH TO MILL ROAD	300 AC	300 AC	82.79279045	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
202 SLO0451	COLONIZATION ROAD EAST	COL. ROAD SOUTH OF CNR	300 AC	300 AC	90.20226012	1963	07/01/2012	1 - Critical	Unknown	8 - Very High
203 SLO0452	COLONIZATION ROAD EAST	COL. ROAD SOUTH OF CNR	300 AC	300 AC	61.38473203	1966	07/01/2012	7 - Critical	Unknown	8 - Very High
204 SLO0415	WILLIAMS AVENUE	ELIZABETH TO SIXTH	300 AC	300 AC	105.206521	1965	07/01/2012	5 - Critical	Unknown	8 - Very High
205 SLO0438	FIFTH STREET EAST	COLON. RD. E. TO LIFT STATION	300 AC	300 AC	46.31520164	1963	07/01/2012	1 - Critical	Unknown	8 - Very High

SANLINE_ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INSTYR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
206 SL04002	FIFTH STREET EAST	MID-BLOCK EAST TO LIFT STATION	300 AC		96.25384296	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	8 - Very High
207 SL04001	FIFTH STREET EAST	FIFTH TO LIFT STATION	300 AC		23.53000999	1963	07/01/2012 1 - Critical	1 - Critical	Unknown	8 - Very High
208 SL03019	WILLIAMS AVENUE	THIRD TO MID-BLOCK	250 PVC		63.97376668	1955	07/01/2012 0 - Critical	0 - Critical	Unknown	8 - Very High
209 SL04004	FIFTH STREET EAST	WILLIAMS EAST TO MID-BLOCK	300 AC		98.58308098	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	8 - Very High
210 SL04005	WILLIAMS AVENUE	FIFTH TO FOURTH	250 PVC		102.2735226	2013	07/01/2012 0 - Critical	0 - Critical	Unknown	8 - Very High
211 SL04003	FIFTH STREET EAST	MID-BLOCK EAST TO MID-BLOCK	300 AC		106.2602456	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	8 - Very High
212 SL04014	WILLIAMS AVENUE	FIFTH TO ELIZABETH	300 AC		104.3787376	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	8 - Very High
213 SL04039	COLONIZATION ROAD EAST	FIFTH TO SOUTH OF ELIZABETH	300 AC		101.3735193	1963	07/01/2012 1 - Critical	1 - Critical	Unknown	8 - Very High
214 SL04053	MILL ROAD	ALONG OVERPASS NORTH OF CNR	300 AC		79.79791841	1966	07/01/2012 7 - Critical	7 - Critical	Unknown	8 - Very High
		100.31			12809.02494					
215 SL04022	SIXTH STREET EAST	MID-FIELD TO MID-FIELD	250 AC		104.6161277	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
216 SL04011	FOURTH STREET EAST	MINNIE TO WILLIAMS	250 AC		99.50951416	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	7 - High
217 SL04007	FIFTH STREET EAST	MID-BLOCK WEST TO MINNIE	250 AC		100.5359421	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	7 - High
218 SL03022	SECOND STREET EAST	MINNIE EAST TO MID-BLOCK	230 CLP		100.409837	1925	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
219 SL03029	FIRST STREET EAST	MINNIE EAST TO MID-BLOCK	230 CLP		100.5369153	1928	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
220 SL03008	SCOTT STREET	MINNIE EAST TO MID-BLOCK	230 CLP		100.7711093	1924	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
221 SL00108	EMO ROAD	COLON. RD. W. TO KIRSTI PLACE	250 AC		91.59956238	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	7 - High
222 SL02276	VICTORIA AVENUE	THIRD ST. NORTH TO	225 CLP		5.207303204	1924	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
223 SL04023	SIXTH STREET EAST	MID-FIELD TO MID-FIELD	250 AC		96.29755813	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
224 SL03015	THIRD STREET EAST	SHEVLIN TO MINNIE	225 AC		101.3498271	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
225 SL04010	MINNIE AVENUE	FIFTH TO FOURTH	250 AC		102.08623	1964	07/01/2012 3 - Critical	3 - Critical	Unknown	7 - High
226 SL04008	FIFTH STREET EAST	MINNIE WEST TO MID-BLOCK	250 AC		100.703354	1965	07/01/2012 5 - Critical	5 - Critical	Unknown	7 - High
227 SL03033	FIRST STREET EAST	MINNIE WEST TO MID-BLOCK	230 CLP		97.27295791	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
228 SL02099	CHRISTIE AVENUE NORTH	OSBORNE TO EIGHTH - DEAD END	300 AC		126.2456367	1980	07/01/2012 35 - Poor	Poor	Unknown	7 - High
229 SL04032	BANTA BOULEVARD	CUL-DE-SAC TO SIXTH	200 AC		115.8270619	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
230 SL04031	BANTA BOULEVARD	MID-BLOCK TO BANTA CUL-DE-SAC	200 AC		73.8445214	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
231 SL04030	BANTA BOULEVARD	SHEVLIN TO MID-BLOCK BANTA	200 AC		74.29738635	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
232 SL04028	SIXTH STREET EAST	SHEVLIN TO MID-BLOCK BANTA	250 AC		101.9701634	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
233 SL04025	SIXTH STREET EAST	PATCIN TO BANTA BLVD.	250 AC		48.33663938	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
234 SL04036	RUSSELL BAY	SHEVLIN TO PATCIN	200 AC		79.0784471	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
235 SL04034	BAEKER BAY	CUL-DE-SAC TO SIXTH	200 AC		79.47620002	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
236 SL04033	SIXTH STREET EAST	BANTA BLVD. TO BAEKER BAY	200 AC		91.02728881	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
237 SL02254	THIRD STREET EAST	REID TO SHEVLIN	250 AC		106.1102677	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
238 SL02073	FOURTH STREET EAST	FRENETTE TO SHEVLIN	250 AC		84.0974289	1964	07/01/2012 3 - Critical	3 - Critical	Unknown	7 - High
239 SL02071	FOURTH STREET EAST	FRENETTE TO SHEVLIN	250 AC		132.2774683	1964	07/01/2012 3 - Critical	3 - Critical	Unknown	7 - High
240 SL02077	THIRD STREET EAST	FRENETTE TO SHEVLIN	250 AC		92.51820612	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
241 SL02072	FOURTH STREET EAST	FRENETTE TO SHEVLIN	250 AC		106.3964572	1964	07/01/2012 3 - Critical	3 - Critical	Unknown	7 - High
242 SL02061	CROWE AVENUE	CUL-DE-SAC TO SIXTH	250 AC		56.50221235	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
243 SL02055	PHAIR AVENUE	FIFTH TO SIXTH	300 CLP		105.781177	1945	07/01/2012 0 - Critical	0 - Critical	30 - Poor	7 - High
244 SL02070	FOURTH STREET EAST	FRENETTE TO SHEVLIN	250 AC		100.4356286	1964	07/01/2012 3 - Critical	3 - Critical	Unknown	7 - High
245 SL04037	SIXTH STREET EAST	RUSSELL BAY TO FRENETTE	200 AC		93.11030022	1971	07/01/2012 17 - Critical	17 - Critical	Unknown	7 - High
246 SL03028	SECOND STREET EAST	SHEVLIN WEST TO MID-BLOCK	250 AC		100.7183783	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
247 SL02255	SECOND STREET EAST	REID TO SHEVLIN	250 AC		95.89870935	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
248 SL02243	NELSON STREET	BUTLER EAST TO WOODYARD	225 CLP		103.1403902	1920	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
249 SL03038	BUTLER AVENUE	MID-BLOCK SOUTH TO CHURCH	225 CLP		109.0382271	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
250 SL03002	BUTLER AVENUE	SCOTT NORTH TO LIFT STATION	200 CLP		29.6773134	1967	07/01/2012 9 - Critical	9 - Critical	Unknown	7 - High
251 SL03037	BUTLER AVENUE	SCOTT SOUTH TO MID-BLOCK	225 CLP		10.94362569	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
252 SL02038	SECOND STREET EAST	WEST OF FRENETTE TO FRENETTE	225 CLP		46.73531942	1926	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
253 SL02034	CROWE AVENUE	SECOND TO FIRST	225 CLP		100.6350136	1925	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
254 SL02260	MOSHER AVENUE	CHURCH NORTH TO SCOTT	225 CLP		88.29816882	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
255 SL02240	CHURCH STREET	MOSHER EAST TO MID-BLOCK	225 CLP		100.6141296	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
256 SL02234	SCOTT STREET	MOSHER TO FRENETTE	225 CLP		100.2380908	1934	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High



SANLINE_ID	LOCATION	LOC_INFO	SIZE_	PMAT	LENGTH	INSTVR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
257 S102233	MOSHER AVENUE	SCOTT SOUTH TO MID-BLOCK	225 CLP		31.77326999	1945	07/01/2012	0 - Critical	Unknown	7 - High
258 S102227	CHURCH STREET	CROWE EAST TO MID-BLOCK	225 CLP		90.60917373	1945	07/01/2012	0 - Critical	Unknown	7 - High
259 S102229	SCOTT STREET	CROWE EAST TO MID-BLOCK	225 CLP		89.73448071	1945	07/01/2012	0 - Critical	Unknown	7 - High
260 S102232	SCOTT STREET	MOSHER WEST TO MID-BLOCK	225 CLP		91.64256538	1934	07/01/2012	0 - Critical	Unknown	7 - High
261 S102039	CROWE AVENUE	FIRST ST. TO DEAD END SOUTH	230 CLP		70.70582675	1945	07/01/2012	0 - Critical	Unknown	7 - High
262 S102256	CHURCH STREET	MID-BLOCK EAST TO BUTLER	225 CLP		100.5843942	1945	07/01/2012	0 - Critical	Unknown	7 - High
263 S103011	SCOTT STREET	BUTLER TO FRENETTE - DEAD END	225 CLP		81.2071239	1934	07/01/2012	0 - Critical	Unknown	7 - High
264 S102235	SCOTT STREET	FRENETTE TO WEST OF BUTLER	225 CLP		100.4786939	1945	07/01/2012	0 - Critical	Unknown	7 - High
265 S102110	VICTORIA AVENUE NORTH	MID-BLOCK TO SIXTH	225 CLP		101.7454708	1924	07/01/2012	0 - Critical	Unknown	7 - High
266 S102245	MCKENZIE AVENUE SOUTH	THIRD NORTH TO DEAD END @ CNR	225 CLP		106.792736	1940	07/01/2012	0 - Critical	Unknown	7 - High
267 S102100	VICTORIA AVENUE SOUTH	THIRD TO FOURTH	225 CLP		135.2143223	2024	07/01/2012	0 - Critical	Unknown	7 - High
268 S102101	VICTORIA AVENUE NORTH	FOURTH TO FIFTH	225 CLP		87.05644655	1924	07/01/2012	0 - Critical	Unknown	7 - High
269 S102102	VICTORIA AVENUE NORTH	FIFTH TO MID-BLOCK SIXTH	225 CLP		108.8287778	1945	07/01/2012	0 - Critical	Unknown	7 - High
270 S102049	SECOND STREET EAST	ARMIT TO CROWE	225 CLP		79.6638155	1945	07/01/2012	0 - Critical	Unknown	7 - High
271 S102011	FIRST STREET EAST	VICTORIA TO ARMIT	375 CLP		111.7192778	1920	07/01/2012	0 - Critical	50 - Fair	7 - High
272 S102050	ARMIT AVENUE SOUTH	SECOND ST. TO DEAD END NORTH	225 CLP		64.17588381	1945	07/01/2012	0 - Critical	Unknown	7 - High
273 S102237	SCOTT STREET	MID-BLOCK WEST TO DEAD END	225 CLP		81.56844692	1945	07/01/2012	0 - Critical	Unknown	7 - High
274 S102261	SCOTT STREET	MID TO MID ARMIT TO VICTORIA	225 CLP		22.44661926	1945	07/01/2012	0 - Critical	Unknown	7 - High
275 S102213	NELSON STREET	MID-BLOCK EAST TO ARMIT	375 CLP		111.2188555	1945	07/01/2012	0 - Critical	50 - Fair	7 - High
276 S102220	SCOTT STREET	ARMIT WEST TO MID-BLOCK	225 CLP		130.445565	1945	07/01/2012	0 - Critical	Unknown	7 - High
277 S102009	FIRST STREET EAST	PORTAGE TO VICTORIA	375 CLP		110.6084716	1913	07/01/2012	0 - Critical	50 - Fair	7 - High
278 S102008	FIRST STREET EAST	PORTAGE TO VICTORIA	375 CLP		110.8936066	1913	07/01/2012	0 - Critical	50 - Fair	7 - High
279 S102269	VICTORIA AVENUE SOUTH	DEAD END SOUTH TO CHURCH	200 CLP		46.32531395	1945	07/01/2012	0 - Critical	Unknown	7 - High
280 S102200	VICTORIA AVENUE SOUTH	CHURCH TO NELSON	200 CLP		104.5058107	1945	07/01/2012	0 - Critical	Unknown	7 - High
281 S102268	VICTORIA AVENUE SOUTH	SCOTT NORTH TO DEAD END	200 PVC		37.39528894	1945	07/01/2012	16 - Critical	Unknown	7 - High
282 S102046	SECOND STREET EAST	VICTORIA TO ARMIT	230 CLP		104.5107496	1945	07/01/2012	0 - Critical	10 - Critical	7 - High
283 S102023	VICTORIA AVENUE SOUTH	THIRD TO SECOND	230 CLP		102.3818757	1945	07/01/2012	0 - Critical	Unknown	7 - High
284 S102238	CHURCH STREET	CROWE WEST TO MID-BLOCK	225 CLP		94.85392304	1945	07/01/2012	0 - Critical	Unknown	7 - High
285 S102236	SCOTT STREET	CROWE WEST TO MID-BLOCK	225 CLP		110.5543392	1945	07/01/2012	0 - Critical	Unknown	7 - High
286 S103034	FIRST STREET EAST	MID-BLOCK TO MH E. OF SHEVLIN	230 CLP		96.42688366	1945	07/01/2012	0 - Critical	Unknown	7 - High
287 S103027	SECOND STREET EAST	MID BLOCK WEST TO SHEVLIN	230 CLP		94.86100997	1954	07/01/2012	0 - Critical	Unknown	7 - High
288 S103016	THIRD STREET EAST	SHEVLIN TO MINNIE	225 AC		94.04050908	1970	07/01/2012	15 - Critical	Unknown	7 - High
289 S104024	SIXTH STREET EAST	MID-FIELD TO SHEVLIN	250 AC		100.0769269	1971	07/01/2012	17 - Critical	Unknown	7 - High
290 S104009	FIFTH STREET EAST	MID-BLOCK WEST TO SHEVLIN	250 AC		96.62207143	1965	07/01/2012	5 - Critical	Unknown	7 - High
291 S102187	SINCLAIR STREET	PORTAGE EAST TO MID-BLOCK	225 CLP		110.8744257	1918	07/01/2012	0 - Critical	Unknown	7 - High
292 S102251	CROWE AVENUE	DEAD END NORTH TO NELSON	225 CLP		51.89100827	1945	07/01/2012	0 - Critical	Unknown	7 - High
293 S102128	WALKER AVENUE	HUDSON TO EIGHTH - DEAD END	250 CLP		91.65055466	1945	07/01/2012	0 - Critical	Unknown	7 - High
294 S102126	WALKER AVENUE	SOUTH OF HUDSON TO HUDSON	250 CLP		10.41041384	1945	07/01/2012	5 - Critical	Unknown	7 - High
295 S102127	HUDSON STREET	WALKER EAST TO DEAD END	250 AC		104.8776491	1965	07/01/2012	3 - Critical	Unknown	7 - High
296 S100047	CORNWALL AVENUE NORTH	SIXTH TO EIGHTH	250 AC		109.2496243	1964	07/01/2012	0 - Critical	Unknown	7 - High
297 S100082	RIVER ROAD WEST	BIDDESON TO OLDE SHAMBLES	250 AC		140.695121	1945	07/01/2012	0 - Critical	Unknown	7 - High
298 S100065	KING'S HIGHWAY	McIRVINE TO 602 CORNER	250 AC		81.61253797	1967	07/01/2012	9 - Critical	Unknown	7 - High
299 S102185	SINCLAIR STREET	NELSON TO PORTAGE (MILL PROP)	225 CLP		125.1517981	1919	07/01/2012	0 - Critical	Unknown	7 - High
300 S102204	CHURCH STREET	MOWAT TO VETERAN DEAD END	230 CLP		161.1190146	1945	07/01/2012	0 - Critical	Unknown	7 - High
301 S102186	NELSON STREET	MID-BLOCK TO PORTAGE	450 CLP		111.8000773	1919	07/01/2012	0 - Critical	50 - Fair	7 - High
302 S102044	SECOND STREET EAST	MOWAT TO PORTAGE-DEAD END	230 CLP		102.1456945	1945	07/01/2012	3 - Critical	10 - Critical	7 - High
303 S102132	FIFTH STREET EAST	WEST OF PORTAGE TO MID-BLOCK	250 AC		107.1102085	1964	07/01/2012	3 - Critical	Unknown	7 - High
304 S104065	LAKE ROAD	IDYLWILD EAS TO DEAD END	250 AC		106.1702627	1964	07/01/2012	5 - Critical	Unknown	7 - High
305 S104066	PARK ROAD	LAKE RD. SOUTH THROUGH PARK	250 AC		15.37760306	1965	07/01/2012	5 - Critical	Unknown	7 - High
306 S104068	PARK ROAD	LAKE RD. SOUTH THROUGH PARK	250 AC		86.77948727	1965	07/01/2012	5 - Critical	Unknown	7 - High
307 S104069	PARK ROAD	SOUTH THROUGH PARK TO CALDER	250 AC		99.52502813	1965	07/01/2012	5 - Critical	Unknown	7 - High
308 S104067	PARK ROAD	LAKE RD. SOUTH THROUGH PARK	250 AC		89.5119178	1965	07/01/2012	5 - Critical	Unknown	7 - High

SANLINE_ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INST/YR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
309	SU04056	MILL ROAD	250 AC		17.27564513	1966		07/01/2012 7 - Critical	Unknown	7 - High
310	SU00041	YORK AVENUE NORTH	250 AC		108.6480265	1965		07/01/2012 5 - Critical	Unknown	7 - High
311	SU02124	WALKER AVENUE	250 CLP		110.2022631	1945		07/01/2012 0 - Critical	Unknown	7 - High
312	SU02133	FIFTH STREET EAST	250 AC		109.1697335	1965		07/01/2012 5 - Critical	Unknown	7 - High
313	SU02135	FIFTH STREET EAST	250 AC		107.9370106	1965		07/01/2012 5 - Critical	Unknown	7 - High
314	SU02134	FIFTH STREET EAST	250 AC		110.1809291	1965		07/01/2012 5 - Critical	Unknown	7 - High
315	SU00045	CORNWALL AVENUE NORTH	250 AC		106.2942172	1964		07/01/2012 3 - Critical	Unknown	7 - High
316	SU00035	ELIZABETH STREET WEST	250 AC		109.145514	1967		07/01/2012 9 - Critical	Unknown	7 - High
317	SU02143	FOURTH STREET WEST	230 CLP		53.28248593	1931		07/01/2012 0 - Critical	Unknown	7 - High
318	SU02142	FOURTH STREET WEST	230 CLP		146.9585258	1913		07/01/2012 0 - Critical	Unknown	7 - High
319	SU07043	SECOND STREET EAST	230 CLP		109.8771908	1945		07/01/2012 0 - Critical	10 - Critical	7 - High
320	SU02272	MOWAT AVENUE	450 CLP		113.7402416	1983		07/01/2012 41 - Fair	50 - Fair	7 - High
321	SU02141	CORNWALL AVENUE SOUTH	230 CLP		99.34111892	1913		07/01/2012 0 - Critical	Unknown	7 - High
322	SU00050	SIXTH STREET WEST	250 AC		108.6091316	1965		07/01/2012 5 - Critical	Unknown	7 - High
323	SU00052	SIXTH STREET WEST	250 AC		82.35566207	1965		07/01/2012 5 - Critical	Unknown	7 - High
324	SU00051	SIXTH STREET WEST	250 AC		109.1177722	1965		07/01/2012 5 - Critical	Unknown	7 - High
325	SU02154	FOURTH STREET WEST	225 CLP		83.18011887	1928		07/01/2012 0 - Critical	Unknown	7 - High
326	SU02155	FOURTH STREET WEST	225 CLP		91.35389664	1928		07/01/2012 0 - Critical	Unknown	7 - High
327	SU02157	FOURTH STREET WEST	225 CLP		107.4130948	1928		07/01/2012 0 - Critical	Unknown	7 - High
328	SU02156	FOURTH STREET WEST	225 CLP		107.2844138	1928		07/01/2012 0 - Critical	Unknown	7 - High
329	SU02153	FOURTH STREET WEST	225 CLP		83.48703066	1928		07/01/2012 0 - Critical	Unknown	7 - High
330	SU00053	SIXTH STREET WEST	250 AC		84.33619101	1965		07/01/2012 5 - Critical	Unknown	7 - High
331	SU02163	SECOND STREET WEST	225 CLP		107.5673023	1931		07/01/2012 0 - Critical	Unknown	7 - High
332	SU02167	FIRST STREET WEST	225 CLP		98.21830683	1932		07/01/2012 0 - Critical	Unknown	7 - High
333	SU02159	THIRD STREET WEST	225 CLP		107.4472504	1926		07/01/2012 0 - Critical	Unknown	7 - High
334	SU02164	WRIGHT AVENUE SOUTH	225 CLP		45.6995265	1931		07/01/2012 0 - Critical	Unknown	7 - High
335	SU02166	WRIGHT AVENUE SOUTH	225 CLP		91.99390621	1932		07/01/2012 0 - Critical	Unknown	7 - High
336	SU02162	SECOND STREET WEST	225 CLP		107.4527924	1931		07/01/2012 0 - Critical	Unknown	7 - High
337	SU02158	THIRD STREET WEST	225 CLP		107.6948096	1926		07/01/2012 0 - Critical	Unknown	7 - High
338	SU02168	WRIGHT AVENUE SOUTH	225 CLP		96.10339858	1932		07/01/2012 0 - Critical	Unknown	7 - High
339	SU02176	WEBSTER AVENUE SOUTH	200 AC		77.57031796	1969		07/01/2012 13 - Critical	Unknown	7 - High
340	SU02146	YORK AVENUE SOUTH	225 CLP		98.95327755	1926		07/01/2012 0 - Critical	Unknown	7 - High
341	SU00036	ELIZABETH STREET WEST	250 AC		109.7025135	1967		07/01/2012 9 - Critical	Unknown	7 - High
342	SU02147	FOURTH STREET WEST	230 CLP		132.0421004	1926		07/01/2012 0 - Critical	Unknown	7 - High
343	SU00046	CORNWALL AVENUE NORTH	250 AC		106.2612126	1964		07/01/2012 3 - Critical	Unknown	7 - High
344	SU02125	WALKER AVENUE	250 CLP		106.4508758	1945		07/01/2012 0 - Critical	Unknown	7 - High
345	SU00058	SIXTH STREET WEST	300 AC		79.76147502	1975		07/01/2012 25 - Poor	Unknown	7 - High
346	SU00057	SIXTH STREET WEST	300 AC		82.52194397	1975		07/01/2012 25 - Poor	Unknown	7 - High
347	SU00060	SIXTH STREET WEST	250 AC		97.76141197	1970		07/01/2012 15 - Critical	Unknown	7 - High
348	SU00056	SIXTH STREET WEST	300 AC		81.12840463	1975		07/01/2012 25 - Poor	Unknown	7 - High
349	SU00062	SIXTH STREET WEST	250 AC		99.5065258	1970		07/01/2012 15 - Critical	Unknown	7 - High
350	SU00063	SIXTH STREET WEST	250 AC		98.99587853	1970		07/01/2012 15 - Critical	Unknown	7 - High
351	SU00061	SIXTH STREET WEST	250 AC		98.84940946	1970		07/01/2012 15 - Critical	Unknown	7 - High
352	SU00185	FIRST STREET WEST	200 AC		112.4202029	1968		07/01/2012 11 - Critical	Unknown	7 - High
353	SU00168	FIRST STREET WEST	200 AC		90.15334612	1970		07/01/2012 15 - Critical	Unknown	7 - High
354	SU00174	FLINDERS AVENUE	300 AC		22.83321656	1978		07/01/2012 31 - Poor	Unknown	7 - High
355	SU00181	FLINDERS AVENUE	300 AC		19.51282431	1978		07/01/2012 31 - Poor	Unknown	7 - High
356	SU00170	FIRST STREET WEST	250 AC		112.1678466	1966		07/01/2012 7 - Critical	Unknown	7 - High
357	SU00064	SIXTH STREET WEST	250 AC		72.71018997	1970		07/01/2012 15 - Critical	Unknown	7 - High
358	SU00157	LANE SOUTH OF KING'S HWY	250 AC		47.35464631	1954		07/01/2012 0 - Critical	Unknown	7 - High
359	SU02165	SECOND STREET WEST	225 CLP		102.1445922	1945		07/01/2012 0 - Critical	Unknown	7 - High
360	SU02169	FIRST STREET WEST	225 CLP		99.27490285	1968		07/01/2012 11 - Critical	Unknown	7 - High



SANLINE ID	LOCATION	LOC INFO	SIZE_	PMAT	LENGTH	INSTYR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
361 SLO2160	THIRD STREET WEST	WRIGHT WEST TO MID-BLOCK	225 CLP		100.335622	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
362 SLO0059	SIXTH STREET WEST	KEATING TO WRIGHT	300 AC		85.53958532	1975	07/01/2012 25 - Poor	0 - Critical	Unknown	7 - High
363 SLO2184	SINCLAIR STREET	NELSON TO SOUTHWEST (MILL PROP)	225 CLP		96.32047024	1919	0 - Critical	0 - Critical	Unknown	7 - High
364 SLO2202	MOWAT AVENUE	SINCLAIR TO SOUTH (MILL PROP)	225 CLP		50.03216904	1945	0 - Critical	0 - Critical	Unknown	7 - High
365 SLO0167	THOMPSON STREET	CUL-DE-SAC TO KEATING	250 AC		92.31073179	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
366 SLO0133	RIVERVIEW DRIVE	CUL-DE-SAC TO KEATING	350 AC		89.01246597	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
367 SLO0165	LANE SOUTH OF KING'S HWY	WEST OF KEATING	250 AC		93.12218923	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
368 SLO0164	LANE SOUTH OF KING'S HWY	WEST OF KEATING	250 AC		12.65938956	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
369 SLO0166	THOMPSON STREET	CUL-DE-SAC TO KEATING	250 AC		11.65517189	1954	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
370 SLO0066	KING'S HIGHWAY	McIRVINE TO 602 CORNER	250 AC		105.1440166	1967	07/01/2012 9 - Critical	0 - Critical	Unknown	7 - High
371 SLO0067	KING'S HIGHWAY	McIRVINE TO 602 CORNER	250 AC		103.2261372	1967	07/01/2012 9 - Critical	0 - Critical	Unknown	7 - High
372 SLO0131	RIVERVIEW DRIVE	END OF RIVERVIEW TO FIELD - STP	350 AC		101.9408747	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
373 SLO0112	RIVERVIEW DRIVE	END OF RIVERVIEW TO FIELD - STP	350 AC		38.99880115	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
374 SLO0128	RIVERVIEW DRIVE	END OF RIVERVIEW TO FIELD - STP	350 AC		89.3825305	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
375 SLO0129	RIVERVIEW DRIVE	END OF RIVERVIEW TO FIELD - STP	350 AC		25.31442904	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
376 SLO0130	RIVERVIEW DRIVE	END OF RIVERVIEW TO FIELD - STP	350 AC		94.35939584	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
377 SLO0132	RIVERVIEW DRIVE	END OF RIVERVIEW TO FIELD - STP	350 AC		94.88512092	1973	07/01/2012 21 - Poor	0 - Critical	Unknown	7 - High
378 SLO0094	DANIEL AVENUE	COLON. RD. W. TO KING'S HWY.	250 AC		104.375309	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
379 SLO0093	DANIEL AVENUE	COLON. RD. W. TO KING'S HWY.	250 AC		92.30510337	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
380 SLO0096	COLONIZATION ROAD WEST	DANIEL TO McIRVINE	250 AC		42.38401557	1967	07/01/2012 9 - Critical	0 - Critical	Unknown	7 - High
381 SLO0099	EASEMENT WEST OF McIRVINE RD	RTW COL. RD. W. & RIVER ROAD	250 AC		107.1269587	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
382 SLO0097	COLONIZATION ROAD WEST	DANIEL TO McIRVINE	250 AC		53.17421676	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
383 SLO0098	EASEMENT WEST OF McIRVINE RD	RTW COL. RD. W. & RIVER ROAD	250 AC		10.92011813	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
384 SLO0091	DANIEL AVENUE	COLON. RD. W. TO KING'S HWY.	250 AC		88.61752798	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
385 SLO0090	COLONIZATION ROAD WEST	BIDDESON TO DANIEL	250 AC		46.92620808	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
386 SLO0089	COLONIZATION ROAD WEST	BIDDESON TO DANIEL	250 AC		9.863559638	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
387 SLO0175	WEST OF McIRVINE ROAD	EASEMENT BTW. RIVER & COL. W.	250 AC		96.76671859	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
388 SLO0095	COLONIZATION ROAD WEST	DANIEL TO McIRVINE	250 AC		105.0303461	1967	07/01/2012 9 - Critical	0 - Critical	Unknown	7 - High
389 SLO0092	DANIEL AVENUE	COLON. RD. W. TO KING'S HWY.	250 AC		91.25651621	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
390 SLO0102	KERR PLACE	COLON. RD. W. TO CUL-DE-SAC	250 PVC		99.85973131	1945	07/01/2012 16 - Critical	0 - Critical	Unknown	7 - High
391 SLO0103	KERR PLACE	COLON. RD. W. TO CUL-DE-SAC	250 PVC		75.47854103	1945	07/01/2012 16 - Critical	0 - Critical	Unknown	7 - High
392 SLO0107	EMO ROAD	COLON. RD. W. TO KIRSTI PLACE	250 AC		91.40220689	1965	07/01/2012 5 - Critical	0 - Critical	Unknown	7 - High
393 SLO0106	EMO ROAD	COLON. RD. W. TO KIRSTI PLACE	250 AC		116.334953	1965	07/01/2012 5 - Critical	0 - Critical	Unknown	7 - High
394 SLO0104	KERR PLACE	COLON RD. W. TO CUL-DE-SAC	250 PVC		69.55833691	1945	07/01/2012 16 - Critical	0 - Critical	Unknown	7 - High
395 SLO0081	RIVER ROAD WEST	BIDDESON TO OLDE SHAMBLES	250 AC		67.05274174	1945	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
396 SLO0058	EIGHTH STREET EAST	MID-BLOCK WEST TO DEAD END	250 AC		67.70161257	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
397 SLO0057	EIGHTH STREET EAST	MILL ROAD WEST TO MID-BLOCK	250 AC		96.35818083	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
398 SLO0400	BAYVIEW AVENUE	ELIZABETH TO COL RD. E.	250 AC		17.35681566	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
399 SLO0408	BAYVIEW AVENUE	SIXTH TO WOODWARD	250 AC		105.4533478	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
400 SLO0405	BAYVIEW AVENUE	ELIZABETH TO SIXTH	250 AC		105.7218027	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
401 SLO0407	SIXTH STREET EAST	MID-BLOCK WEST TO ELLINGSTON	250 AC		99.1342491	1964	07/01/2012 3 - Critical	0 - Critical	Unknown	7 - High
402 SLO0402	ELIZABETH STREET EAST	MID-BLOCK TO ELLINGSTON	200 AC		100.9687119	1970	07/01/2012 15 - Critical	0 - Critical	Unknown	7 - High
403 SLO0406	WILLIAMS AVENUE	SIXTH NORTH TO MID-BLOCK	250 AC		104.2479097	1965	07/01/2012 5 - Critical	0 - Critical	Unknown	7 - High
404 SLO0412	FOURTH STREET EAST	MINNIE TO WILLIAMS	250 AC		100.0956524	1965	07/01/2012 5 - Critical	0 - Critical	Unknown	7 - High
405 SLO0406	FIFTH STREET EAST	WILLIAMS WEST TO MID-BLOCK	250 AC		98.91659677	1965	07/01/2012 5 - Critical	0 - Critical	Unknown	7 - High
406 SLO04021	SIXTH STREET EAST	WILLIAMS WEST TO MID-BLOCK	250 AC		101.2942018	1971	07/01/2012 17 - Critical	0 - Critical	Unknown	7 - High
407 SLO3024	SECOND STREET EAST	WILLIAMS EAST TO MID-BLOCK	225 CLP		99.4094048	1925	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
408 SLO3025	SECOND STREET EAST	MID-BLOCK EAST TO DEAD END	225 CLP		84.74179192	1925	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
409 SLO3010	SCOTT STREET	WILLIAMS TO COL E. - DEAD END	225 CLP		101.4178747	1924	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High
410 SLO5005	CHURCH STREET	WILLIAMS EAST TO EASEMENT	200 AC		44.49210159	1970	07/01/2012 15 - Critical	0 - Critical	Unknown	7 - High
411 SLO5006	WILLIAMS AVENUE	EASEMENT	200 AC		56.73362709	1970	07/01/2012 15 - Critical	0 - Critical	Unknown	7 - High
412 SLO3009	SCOTT STREET	MID-BLOCK EAST TO WILLIAMS	225 CLP		99.65883445	1924	07/01/2012 0 - Critical	0 - Critical	Unknown	7 - High

Spreadsheet No. 1 - Listing of Sanitary Sewer Mains - Risk Rating- September 23, 2014

SANLINE_ID	LOCATION	LOC_INFO	SIZE_		PMAT	LENGTH	INSTYR	REPLACEMENT_2	AGEBASEDCO	OVERALLCON	RISK/RATING
413	SL03030	FIRST STREET EAST	230	CLP	230 CLP	100.5347053	1928	07/01/2012	0 - Critical	Unknown	7 - High
414	SL03023	SECOND STREET EAST	230	CLP	230 CLP	100.9556246	1925	07/01/2012	0 - Critical	Unknown	7 - High
415	SL04049	WOODWARD STREET	250	AC	250 AC	93.61273596	1964	07/01/2012	3 - Critical	Unknown	7 - High
416	SL04046	SIXTH STREET EAST	250	AC	250 AC	97.26950075	1964	07/01/2012	3 - Critical	Unknown	7 - High
417	SL04041	ELIZABETH STREET EAST	250	AC	250 AC	93.72014432	1964	07/01/2012	3 - Critical	Unknown	7 - High
418	SL04070	PARK ROAD	250	AC	250 AC	266.7414467	1963	07/01/2012	1 - Critical	Unknown	7 - High
419	SL04082	LAKEVIEW TRAILER COURT	250	AC	250 AC	50.22858494	1966	07/01/2012	7 - Critical	Unknown	7 - High
420	SL02282	VICTORIA AVENUE	0	PVC	0 PVC	43.12646816	1945	07/01/2012	16 - Critical	Unknown	7 - High
Total						18370.7864					



SanDiego - 1 - Listing of Sanitary Sewer Mains - Risk Rating- September 23, 2014												
SANLINE_ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INSTYR	REPLACEMENT_2	AGEBASED CO	OVERALL CON	RISK RATING		
421 S001009	EMO ROAD	COLON. RD. W. TO KIRSTI PLACE	250 AC	250 AC	37.06253059	1975	07/01/2012 25 - Poor	5 - Poor	Unknown	6 - Moderate		
422 S00177	EMO ROAD	KIRSTI PL TO PIT ROAD #1	250 AC	250 AC	21.52990062	1975	07/01/2012 25 - Poor	5 - Poor	Unknown	6 - Moderate		
423 S00123	ARMSTRONG PLACE	COLONIZATION RD TO CUL-DE-SAC	200 AC	200 AC	15.37845679	1976	07/01/2012 27 - Poor	6 - Moderate	Unknown	6 - Moderate		
424 S00126	ARMSTRONG PLACE	COLONIZATION RD TO CUL-DE-SAC	200 AC	200 AC	81.62120831	1976	07/01/2012 27 - Poor	6 - Moderate	Unknown	6 - Moderate		
425 S00124	ARMSTRONG PLACE	COLONIZATION RD TO CUL-DE-SAC	200 AC	200 AC	43.49461023	1976	07/01/2012 27 - Poor	6 - Moderate	Unknown	6 - Moderate		
426 S00125	ARMSTRONG PLACE	COLONIZATION RD TO CUL-DE-SAC	200 AC	200 AC	19.87164739	1976	07/01/2012 27 - Poor	6 - Moderate	Unknown	6 - Moderate		
427 S02098	CHRISTIE AVENUE NORTH	OSBORNE TO EIGHTH	300 PVC	300 PVC	41.34004954	1980	07/01/2012 59 - Fair	6 - Moderate	Unknown	6 - Moderate		
428 S02246	GILLON STREET	FRENETTE EAST TO BUTLER	380 RELINED	380	40.82453448	2001	07/01/2012 77 - Good	6 - Moderate	Unknown	6 - Moderate		
429 S03014	MINNIE AVENUE	FIRST TO SECOND	300 PVC	300 PVC	100.2366971	1968	07/01/2012 44 - Fair	6 - Moderate	Unknown	6 - Moderate		
430 S03012	MINNIE AVENUE	SCOTT SOUTH TO CHURCH	225 CLP	225 CLP	116.036412	1924	07/01/2012 0 - Critical	6 - Moderate	30 - Poor	6 - Moderate		
431 S03041	MINNIE AVENUE	NELSON TO CHURCH	250 CLP	250 CLP	98.30641944	1945	07/01/2012 0 - Critical	6 - Moderate	30 - Poor	6 - Moderate		
432 S03013	MINNIE AVENUE	SCOTT NORTH TO FIRST	300 PVC	300 PVC	115.7276925	1968	07/01/2012 44 - Fair	6 - Moderate	Unknown	6 - Moderate		
433 S02113	VICTORIA AVENUE NORTH	MID-BLOCK TO EIGHTH	300 CLP	300 CLP	97.56789527	1984	07/01/2012 43 - Fair	6 - Moderate	Unknown	6 - Moderate		
434 S04035	SIXTH STREET EAST	BAKER BAY TO RUSSELL BAY	200 AC	200 AC	92.1654159	1982	07/01/2012 39 - Poor	6 - Moderate	Unknown	6 - Moderate		
435 S02074	SHEVLIN AVENUE	FOURTH ST. NORTH TO DEAD END	200 AC	200 AC	45.24390308	1973	07/01/2012 21 - Poor	6 - Moderate	Unknown	6 - Moderate		
436 S02258	FRENETTE AVENUE	MID-BLOCK FIFTH TO SIXTH	200 AC	200 AC	105.6459464	1982	07/01/2012 39 - Poor	6 - Moderate	Unknown	6 - Moderate		
437 S02057	CROME AVENUE	FOURTH TO THIRD	300 PVC	300 PVC	112.8899627	1968	07/01/2012 44 - Fair	6 - Moderate	Unknown	6 - Moderate		
438 S02058	CROME AVENUE	FIFTH TO FOURTH	300 PVC	300 PVC	85.83079134	1968	07/01/2012 44 - Fair	6 - Moderate	Unknown	6 - Moderate		
439 S02244	CHURCH STREET	BUTLER EAST TO WOODYARD	200 COMP	200 COMP	96.74446276	1973	07/01/2012 21 - Poor	6 - Moderate	Unknown	6 - Moderate		
440 S02031	FIRST STREET EAST	MOSHER TO FRENETTE	300 CLP	300 CLP	93.33438587	1931	07/01/2012 0 - Critical	6 - Moderate	50 - Fair	6 - Moderate		
441 S02014	FIRST STREET EAST	CROWE TO MOSHER	300 CLP	300 CLP	91.53435343	1925	07/01/2012 0 - Critical	6 - Moderate	50 - Fair	6 - Moderate		
442 S02097	CHRISTIE AVENUE NORTH	SIXTH TO OSBORNE	300 PVC	300 PVC	115.1086791	1980	07/01/2012 59 - Fair	6 - Moderate	Unknown	6 - Moderate		
443 S02096	CHRISTIE AVENUE NORTH	NORTH OF CNR TO SIXTH	300 PVC	300 PVC	94.95669557	1980	07/01/2012 59 - Fair	6 - Moderate	Unknown	6 - Moderate		
444 S02095	CHRISTIE AVENUE NORTH	NORTH OF CNR TO SIXTH	300 PVC	300 PVC	75.19315771	1980	07/01/2012 59 - Fair	6 - Moderate	Unknown	6 - Moderate		
445 S02111	VICTORIA AVENUE NORTH	SIXTH NORTH TO MID-BLOCK	300 CLP	300 CLP	109.5354255	1984	07/01/2012 43 - Fair	6 - Moderate	Unknown	6 - Moderate		
446 S02012	FIRST STREET EAST	ARMIT TO CROWE	300 CLP	300 CLP	110.3911865	1920	07/01/2012 0 - Critical	6 - Moderate	50 - Fair	6 - Moderate		
447 S02212	NELSON STREET	VICTORIA TO MID-BLOCK	375 CLP	375 CLP	110.3518523	1945	07/01/2012 0 - Critical	6 - Moderate	70 - Good	6 - Moderate		
448 S02010	FIRST STREET EAST	VICTORIA TO ARMIT	375 CLP	375 CLP	109.2582181	1913	07/01/2012 0 - Critical	6 - Moderate	70 - Good	6 - Moderate		
449 S02013	FIRST STREET EAST	ARMIT TO CROWE	300 CLP	300 CLP	111.2918463	1920	07/01/2012 0 - Critical	6 - Moderate	50 - Fair	6 - Moderate		
450 S02027	THIRD STREET EAST	ARMIT TO CROWE - ROBERT MOORE	450 CLP	450 CLP	112.900298	1968	07/01/2012 11 - Critical	6 - Moderate	70 - Good	6 - Moderate		
451 S02277	CHRISTIE AVENUE NORTH	OSBORNE NORTH TO MID-BLOCK	300 PVC	300 PVC	36.41603308	1980	07/01/2012 59 - Fair	6 - Moderate	Unknown	6 - Moderate		
452 S02215	SINCLAIR STREET	VICTORIA TO MID-BLOCK	225 CLP	225 CLP	110.9097717	1945	07/01/2012 0 - Critical	6 - Moderate	30 - Poor	6 - Moderate		
453 S02214	ARMIT AVENUE SOUTH	NELSON TO SINCLAIR	225 CLP	225 CLP	120.5275333	1945	07/01/2012 29 - Poor	6 - Moderate	30 - Poor	6 - Moderate		
454 S00049	CORNWALL AVENUE NORTH	NORTH OF EIGHTH - DEAD END	200 AC	200 AC	93.4900131	1977	07/01/2012 29 - Poor	6 - Moderate	Unknown	6 - Moderate		
455 S00048	FIRST STREET EAST	CORNWALL AVENUE NORTH	250 AC	250 AC	89.0215141	1977	07/01/2012 29 - Poor	6 - Moderate	Unknown	6 - Moderate		
456 S02007	FIRST STREET EAST	MOWAT TO PORTAGE	375 CLP	375 CLP	110.5280638	1912	07/01/2012 0 - Critical	6 - Moderate	70 - Good	6 - Moderate		
457 S02249	THIRD STREET EAST	MID-BLOCK TO MOWAT	230 AC	230 AC	50.69767154	1976	07/01/2012 27 - Poor	6 - Moderate	Unknown	6 - Moderate		
458 S02250	THIRD STREET EAST	MID-BLOCK TO DEAD END	200 AC	200 AC	32.35299268	1976	07/01/2012 27 - Poor	6 - Moderate	Unknown	6 - Moderate		
459 S02271	FOURTH STREET WEST	MID-BLOCK EAST TO CLEANOUT	150 CLP	150 CLP	19.10673792	1945	07/01/2012 0 - Critical	6 - Moderate	Unknown	6 - Moderate		
460 S00179	THIRD STREET WEST	KEATING TO FLINDERS	200 COMP	200 COMP	89.33329945	1973	07/01/2012 21 - Poor	6 - Moderate	Unknown	6 - Moderate		
461 S00083	RIVER ROAD WEST	BIDDESON TO OLDE SHAMBLES	250 CLP	250 CLP	50.88428011	1981	07/01/2012 37 - Poor	6 - Moderate	Unknown	6 - Moderate		
462 S04020	WILLIAMS AVENUE	STRACHAN PLACE TO CNR	250 AC	250 AC	68.09265852	1975	07/01/2012 25 - Poor	6 - Moderate	Unknown	6 - Moderate		
463 S04017	WILLIAMS AVENUE	MID-BLOCK NORTH TO STRACHAN	250 AC	250 AC	77.68487197	1975	07/01/2012 25 - Poor	6 - Moderate	Unknown	6 - Moderate		
464 S04084	SCHOOL ROAD	SERVICE MAIN	100 CLP	100 CLP	92.19191635	1964	07/01/2012 3 - Critical	6 - Moderate	Unknown	6 - Moderate		
465 S02023	WEST OF MCIRVINE ROAD	SERVICE LINE EXTN	200 UNKN	200 UNKN	44.94618416	1973	07/01/2012 21 - Poor	6 - Moderate	Unknown	6 - Moderate		
466 S03017	THIRD STREET EAST	MINNIE TO WILLIAMS	200 PVC	200 PVC	97.43849949	1970	07/01/2012 47 - Fair	5 - Low	Unknown	5 - Low		
467 S00118	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	250 PVC	250 PVC	92.16272687	1967	07/01/2012 43 - Fair	5 - Low	Unknown	5 - Low		
468 S00120	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	250 PVC	250 PVC	90.31634196	1967	07/01/2012 43 - Fair	5 - Low	Unknown	5 - Low		
469 S00119	COLONIZATION ROAD WEST	EMO ROAD TO ARMSTRONG PLACE	250 PVC	250 PVC	90.10484735	1967	07/01/2012 43 - Fair	5 - Low	Unknown	5 - Low		
470 S00122	COLONIZATION ROAD WEST	ARMSTRONG PLACE TO LINDY PL	250 PVC	250 PVC	93.24705465	1967	07/01/2012 43 - Fair	5 - Low	Unknown	5 - Low		
471 S00121	COLONIZATION ROAD WEST	ARMSTRONG PLACE TO LINDY PL	250 PVC	250 PVC	91.91830659	1967	07/01/2012 43 - Fair	5 - Low	Unknown	5 - Low		
472 S01015	COLONIZATION ROAD WEST	GRAVITY MAIN WEST TO LIFT STAT.	200 PVC	200 PVC	78.81205796	1968	07/01/2012 44 - Fair	5 - Low	Unknown	5 - Low		

Spreadsheet No. 1 – Listing of Sanitary Sewer Mains – Risk Rating- September 23, 2014

SANLINE_ID	LOCATION	LOC_INFO	SIZE_	PMAT	LENGTH	INSTVR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
473 SLO1016	COLONIZATION ROAD WEST	GRAVITY MAIN WEST TO LIFT STAT.	200 PVC		86.52812741	1968	07/01/2012 44 - Fair	5 - Low	Unknown	5 - Low
474 SLO1014	COLONIZATION ROAD WEST	GRAVITY MAIN WEST TO LIFT STAT.	200 PVC		82.04655948	1968	07/01/2012 44 - Fair	5 - Low	Unknown	5 - Low
475 SLO0186	COLONIZATION ROAD WEST	FORCEMAIN LIFT STATION TO EAST	200 PVC		247.3072324	1968	07/01/2012 44 - Fair	5 - Low	Unknown	5 - Low
476 SLO0192	COLONIZATION ROAD WEST	LIFT STATION TO ARMSTRONG PL	250 PVC		94.51601072	1968	07/01/2012 44 - Fair	5 - Low	Unknown	5 - Low
477 SLO0195	FIFTH STREET FORCEMAIN	PORTAGE TO GRAVITY	400 PVC		303.5554924	1997	07/01/2012 81 - Excellent	5 - Low	Unknown	5 - Low
478 SLO0196	FIFTH STREET FORCEMAIN	PORTAGE TO VICTORIA	400 PVC		363.3395137	1997	07/01/2012 81 - Excellent	5 - Low	Unknown	5 - Low
479 SLO0197	FIFTH STREET FORCEMAIN	VICTORIA TO FRENETTE	400 PVC		826.4145309	1997	07/01/2012 81 - Excellent	5 - Low	Unknown	5 - Low
480 SLO0198	FIFTH STREET FORCEMAIN	FRENETTE TO WEST OF SHEVLIN	400 PVC		315.8796051	1997	07/01/2012 81 - Excellent	5 - Low	Unknown	5 - Low
481 SLO0193	MCKIVINE ROAD	FARMERS MARKET SERVICE	150 PVC		9.738933123	1964	07/01/2012 39 - Poor	5 - Low	Unknown	5 - Low
482 SLO0265	VICTORIA AVENUE	EIGHTH TO SOUTH	300 PVC		8.795871686	1991	07/01/2012 73 - Good	5 - Low	Unknown	5 - Low
483 SLO2054	PHAIR AVENUE	THIRD TO FIFTH	300 CLP		95.03186142	1945	07/01/2012 0 - Critical	5 - Low	Unknown	5 - Low
484 SLO2050	CROWNE AVENUE	FIFTH TO MID-BLOCK SIXTH	200 PVC		105.3265197	1968	07/01/2012 44 - Fair	5 - Low	Unknown	5 - Low
485 SLO3035	FIRST STREET EAST	EAST OF SHEVLIN TO MID-BLOCK	300 CLP		95.15600143	1945	07/01/2012 0 - Critical	70 - Good	70 - Good	5 - Low
486 SLO3036	FIRST STREET EAST	MID-BLOCK TO REID	300 CLP		97.06804552	1945	07/01/2012 0 - Critical	70 - Good	70 - Good	5 - Low
487 SLO2033	FRENETTE AVENUE	FIRST TO GILLON	375 PVC		39.7347739	2000	07/01/2012 84 - Excellent	5 - Low	Unknown	5 - Low
488 SLO2226	CROWNE AVENUE	NELSON TO CHURCH	300 RELINED		120.6991995	1999	07/01/2012 73 - Good	5 - Low	Unknown	5 - Low
489 SLO2030	FRENETTE AVENUE	THIRD TO SECOND	375 PVC		103.0393422	2002	07/01/2012 87 - Excellent	90 - Excellent	90 - Excellent	5 - Low
490 SLO2024	THIRD STREET EAST	VICTORIA TO CHRISTIE	450 PVC		109.393563	2001	07/01/2012 86 - Excellent	50 - Fair	50 - Fair	5 - Low
491 SLO2041	ARMIT AVENUE SOUTH	FIRST ST. TO DEAD END SOUTH	200 CLP		76.9969604	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
492 SLO2047	SECOND STREET EAST	VICTORIA TO ARMIT	230 CLP		116.553684	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
493 SLO2219	ARMIT AVENUE SOUTH	SCOTT TO CHURCH	230 CLP		120.8316711	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
494 SLO2217	CHURCH STREET	MID-BLOCK TO ARMIT	225 CLP		110.4850652	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
495 SLO2051	SECOND STREET EAST	PORTAGE TO VICTORIA	230 CLP		111.4900205	1913	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
496 SLO2190	NELSON STREET	MID-BLOCK EAST TO VICTORIA	375 PVC		110.1172411	2009	07/01/2012 96 - Excellent	5 - Low	Unknown	5 - Low
497 SLO2189	NELSON STREET	PORTAGE EAST TO MID-BLOCK	375 PVC		110.7511156	2009	07/01/2012 96 - Excellent	5 - Low	Unknown	5 - Low
498 SLO2211	CHURCH STREET	VICTORIA TO MID-BLOCK	225 CLP		111.1308419	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
499 SLO2221	SCOTT STREET	MID-BLOCK WEST TO VICTORIA	230 CLP		68.5755778	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
500 SLO2112	VICTORIA AVENUE NORTH	MID-BLOCK TO MID-BLOCK	300 PVC		103.9227809	1984	07/01/2012 64 - Good	Unknown	Unknown	5 - Low
501 SLO2216	SINCLAIR STREET	MID-BLOCK TO ARMIT	225 CLP		109.0832775	1945	07/01/2012 0 - Critical	50 - Fair	50 - Fair	5 - Low
502 SLO2188	SINCLAIR STREET	MID-BLOCK EAST TO VICTORIA	225 CLP		110.7782827	1918	0 - Critical	50 - Fair	50 - Fair	5 - Low
503 SLO2262	PORTAGE AVENUE SOUTH	SINCLAIR NORTH TO MID-BLOCK	300 CLP		23.35460154	1945	0 - Critical	70 - Good	70 - Good	5 - Low
504 SLO0189	MCKIVINE ROAD SOUTH	IN BLVD. @ SHARE BEAR'S & APTS.	200 PVC		33.64315845	1980	07/01/2012 59 - Fair	Unknown	Unknown	5 - Low
505 SLO2020	THIRD STREET EAST	MOWAT TO PORTAGE	450 PVC		111.2758747	2011	07/01/2012 98 - Excellent	Unknown	Unknown	5 - Low
506 SLO4075	IDYLWILD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		99.56094702	1963	07/01/2012 1 - Critical	70 - Good	70 - Good	5 - Low
507 SLO4074	IDYLWILD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		100.9714384	1963	07/01/2012 1 - Critical	70 - Good	70 - Good	5 - Low
508 SLO4076	IDYLWILD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		100.1012329	1963	07/01/2012 1 - Critical	70 - Good	70 - Good	5 - Low
509 SLO4071	IDYLWILD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		102.0255038	1963	07/01/2012 1 - Critical	70 - Good	70 - Good	5 - Low
510 SLO2122	SIXTH STREET EAST	MID-BLOCK WEST TO MID-BLOCK	300 RELINED		114.041461	2001	07/01/2012 77 - Good	70 - Good	70 - Good	5 - Low
511 SLO2129	SIXTH STREET EAST	WALKER WEST TO MID-BLOCK	300 CLP		57.14302195	2001	07/01/2012 77 - Good	70 - Good	70 - Good	5 - Low
512 SLO2019	THIRD STREET EAST	MOWAT TO PORTAGE	450 PVC		109.815658	2011	07/01/2012 98 - Excellent	Unknown	Unknown	5 - Low
513 SLO2003	CENTRAL AVENUE	SECOND TO FIRST	600 AC		100.601424	1964	07/01/2012 94 - Excellent	Unknown	Unknown	5 - Low
514 SLO2001	THIRD STREET EAST	CENTRAL AVENUE TO LIFT STATION	600 PVC		16.07062225	2008	07/01/2012 94 - Excellent	Unknown	Unknown	5 - Low
515 SLO2002	CENTRAL AVENUE	SECOND TO THIRD	600 AC		64.14092946	1964	07/01/2012 94 - Excellent	Unknown	Unknown	5 - Low
516 SLO0169	FLINDERS AVENUE	CUL-DE-SAC TO KEATING	250 PVC		120.8968843	1979	07/01/2012 58 - Fair	5 - Low	Unknown	5 - Low
517 SLO0188	MCKIVINE ROAD SOUTH	IN BLVD. @ SHARE BEAR'S & APTS.	200 PVC		57.69022481	1980	07/01/2012 59 - Fair	Unknown	Unknown	5 - Low
518 SLO0190	MCKIVINE ROAD SOUTH	IN BLVD. @ SHARE BEAR'S & APTS.	200 PVC		6.682215395	1980	07/01/2012 59 - Fair	Unknown	Unknown	5 - Low
519 SLO0176	RIVER ROAD WEST	OLDE SHAMBLES TO WEST	250 PVC		4.647739085	1972	07/01/2012 49 - Fair	Unknown	Unknown	5 - Low
520 SLO4073	IDYLWILD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		101.5083882	1963	07/01/2012 1 - Critical	70 - Good	70 - Good	5 - Low
521 SLO4019	STRACHAN PLACE	MID-BLOCK TO CUL-DE-SAC	200 PVC		89.5412243	1975	07/01/2012 53 - Fair	Unknown	Unknown	5 - Low
522 SLO4018	STRACHAN PLACE	WILLIAMS TO MID-BLOCK	200 PVC		43.58820043	1975	07/01/2012 53 - Fair	Unknown	Unknown	5 - Low
523 SLO4044	ELIZABETH STREET EAST	ELIZABETH TO MID-BLOCK	200 PVC		70.96362147	1979	07/01/2012 58 - Fair	Unknown	Unknown	5 - Low
524 SLO4043	ELIZABETH STREET EAST	ELLINGSTON TO MID-BLOCK	200 PVC		92.23631385	1979	07/01/2012 58 - Fair	Unknown	Unknown	5 - Low



SANLINE_ID	LOCATION	LOC_INFO	SIZE_	PMAT	LENGTH	INSTVR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISKRATING
525 SLO3020	THIRD STREET EAST	WILLIAMS EAST TO MID-BLOCK	200 PVC		105.9397794	1970	07/01/2012 47 - Fair		Unknown	5 - Low
526 SLO3021	THIRD STREET EAST	WILLIAMS EAST TO DEAD END	200 PVC		108.5346328	1970	07/01/2012 47 - Fair		Unknown	5 - Low
527 SLO3018	THIRD STREET EAST	MINNIE TO WILLIAMS	200 PVC		102.364754	1970	07/01/2012 47 - Fair		Unknown	5 - Low
528 SLO4078	IDLWILD DRIVE	LAKEVIEW TRAILER COURT (PARALLEL TO MILL ROAD)	300 AC		97.09205253	1963	07/01/2012 1 - Critical		70 - Good	5 - Low
529 SLO4081	LAKEVIEW TRAILER COURT (PARALLEL TO MILL ROAD)	LAKE ROAD NORTH TO SCHOOL RD.	200 PVC		17.79912613	1966	07/01/2012 42 - Fair		Unknown	5 - Low
530 SLO3043	REID AVENUE	FIRST TO SCOTT STREET	300 CLP		115.5972138	1945	07/01/2012 0 - Critical		70 - Good	5 - Low
531 SLO2278	CHURCH STREET	PORTAGE EAST TO MID-BLOCK	225 CLP		107.7946932	1945	07/01/2012 0 - Critical		50 - Fair	5 - Low
532 SLO2210	CHURCH STREET	MID-BLOCK EAST TO VICTORIA	225 CLP		113.1679455	1945	07/01/2012 0 - Critical		50 - Fair	5 - Low
533 SLO5009	NELSON STREET	MID-BLOCK WEST TO MINNIE	250 AC		98.73398123	1964	07/01/2012 3 - Critical		70 - Good	4 - Very Low
534 SLO0110	KIRSTI PLACE	EMO ROAD TO CUL-DE-SAC	200 PVC		39.74179773	1992	07/01/2012 74 - Good		Unknown	4 - Very Low
535 SLO0111	KIRSTI PLACE	EMO ROAD TO CUL-DE-SAC	200 PVC		71.43261145	1992	07/01/2012 74 - Good		Unknown	4 - Very Low
536 SLO1010	LYNDY PLACE NORTH	OKAWOOD ROAD TO LYNDY PL. S.	200 PVC		82.65407086	1986	07/01/2012 67 - Good		Unknown	4 - Very Low
537 SLO1012	LYNDY PLACE NORTH	LYNDY PLACE S. TO CUL-DE-SAC	200 PVC		70.02856566	1986	07/01/2012 67 - Good		Unknown	4 - Very Low
538 SLO1003	COLONIZATION ROAD WEST	OKAWOOD ROAD TO LYNDY PL. S.	200 PVC		84.14716369	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
539 SLO1005	OKAWOOD ROAD	LYNDY PLACE N. TO COL. RD. W.	200 PVC		60.75275997	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
540 SLO1004	OKAWOOD ROAD	LYNDY PLACE N. TO COL. RD. W.	200 PVC		24.5086852	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
541 SLO1006	OKAWOOD ROAD	LYNDY PLACE N. TO COL. RD. W.	200 PVC		84.5868417	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
542 SLO1002	COLONIZATION ROAD WEST	LYNDY PLACE S. TO LIFT STATION	200 PVC		54.00325227	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
543 SLO1001	COLONIZATION ROAD WEST	LYNDY PLACE S. TO LIFT STATION	200 PVC		16.01452739	1982	07/01/2012 62 - Good		Unknown	4 - Very Low
544 SLO1008	LYNDY PLACE SOUTH	LYNDY PLACE N. TO COL. RD. W.	200 PVC		107.4004909	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
545 SLO1007	LYNDY PLACE SOUTH	LYNDY PLACE N. TO COL. RD. W.	200 PVC		8.791483932	1985	07/01/2012 66 - Good		Unknown	4 - Very Low
546 SLO1011	OKAWOOD ROAD	LYNDY PLACE N. TO COL. RD. W.	200 PVC		96.02219032	1986	07/01/2012 67 - Good		Unknown	4 - Very Low
547 SLO1009	LYNDY PLACE SOUTH	LYNDY PLACE N. TO COL. RD. W.	200 PVC		96.86893196	1986	07/01/2012 67 - Good		Unknown	4 - Very Low
548 SLO1013	LYNDY PLACE NORTH	LYNDY PLACE S. TO CUL-DE-SAC	200 PVC		19.86000393	1986	07/01/2012 67 - Good		Unknown	4 - Very Low
549 SLO0044	SIXTH STREET WEST	CORNWALL TO YORK	250 PVC		105.3800251	1995	07/01/2012 78 - Good		Unknown	4 - Very Low
550 SLO0043	SIXTH STREET WEST	CORNWALL TO YORK	250 PVC		113.1419946	1995	07/01/2012 78 - Good		Unknown	4 - Very Low
551 SLO2088	FOURTH STREET EAST	ARMIT TO 26m EAST	300 PVC		25.16271212	2000	07/01/2012 84 - Excellent		Unknown	4 - Very Low
552 SLO2264	EIGHTH STREET EAST	MID-BLOCK WEST TO VICTORIA	200 PVC		109.9866181	1991	07/01/2012 73 - Good		Unknown	4 - Very Low
553 SLO2119	PORTAGE AVENUE NORTH	MID-BLOCK TO MID-BLOCK	300 PVC		105.3713481	2003	07/01/2012 88 - Excellent		Unknown	4 - Very Low
554 SLO2120	PORTAGE AVENUE NORTH	MID-BLOCK TO EIGHTH	300 PVC		108.5319725	2003	07/01/2012 88 - Excellent		Unknown	4 - Very Low
555 SLO2263	EIGHTH STREET EAST	PORTAGE WEST TO MID-BLOCK	200 PVC		111.134879	1991	07/01/2012 73 - Good		Unknown	4 - Very Low
556 SLO4026	PATCIN AVENUE	SIXTH NORTH TO MID-BLOCK	250 PVC		89.57590326	1988	07/01/2012 69 - Good		Unknown	4 - Very Low
557 SLO2065	FRENETTE AVENUE	FIFTH NORTH TO DEAD END	200 PVC		101.2587077	1986	07/01/2012 67 - Good		Unknown	4 - Very Low
558 SLO2257	BUTLER AVENUE	CHURCH TO NELSON	225 RELINED		120.2597032	1998	07/01/2012 71 - Good		Unknown	4 - Very Low
559 SLO2253	BUTLER AVENUE	GILLON TO WHITE PINE LIFT STATION	200 PVC		46.2507729	1992	07/01/2012 74 - Good		Unknown	4 - Very Low
560 SLO2279	MOSHER AVENUE	MID-BLOCK SOUTH TO NELSON	225 PVC		86.70870522	1988	07/01/2012 69 - Good		Unknown	4 - Very Low
561 SLO2230	CHURCH STREET	MID-BLOCK EAST TO MOSHER	225 RELINED		90.88105436	1998	07/01/2012 71 - Good		Unknown	4 - Very Low
562 SLO2087	OSBORNE STREET	ARMIT TO SMITH - DEAD END	250 PVC		80.7245462	1983	07/01/2012 63 - Good		Unknown	4 - Very Low
563 SLO2086	OSBORNE STREET	ARMIT TO SMITH	250 PVC		31.89052378	1983	07/01/2012 63 - Good		Unknown	4 - Very Low
564 SLO2116	PORTAGE AVENUE NORTH	MID-BLOCK TO SIXTH	300 PVC		105.0883467	2010	07/01/2012 97 - Excellent		Unknown	4 - Very Low
565 SLO2267	PORTAGE AVENUE SOUTH	THIRD NORTH TO UNDERPASS	300 PVC		46.21340309	2009	07/01/2012 96 - Excellent		Unknown	4 - Very Low
566 SLO2266	PORTAGE AVENUE SOUTH	UNDERPASS WEST TOP OF BANK	300 PVC		13.34541454	2001	07/01/2012 86 - Excellent		Unknown	4 - Very Low
567 SLO2105	FIFTH STREET EAST	WEST OF PORTAGE TO PORTAGE	300 PVC		8.105352071	2010	07/01/2012 97 - Excellent		Unknown	4 - Very Low
568 SLO2115	PORTAGE AVENUE NORTH	FIFTH NORTH TO MID-BLOCK	300 PVC		105.2086207	2010	07/01/2012 97 - Excellent		Unknown	4 - Very Low
569 SLO2040	ARMIT AVENUE SOUTH	FIRST ST. TO DEAD END SOUTH	200 PVC		76.10259266	1994	07/01/2012 77 - Good		70 - Good	4 - Very Low
570 SLO2048	SECOND STREET EAST	ARMIT TO CROWE	230 CLP		110.9712261	1945	07/01/2012 0 - Critical		70 - Good	4 - Very Low
571 SLO2239	CHURCH STREET	MID-BLOCK WEST TO ARMIT	225 RELINED		95.54489341	1999	07/01/2012 73 - Good		Unknown	4 - Very Low
572 SLO2218	ARMIT AVENUE SOUTH	CHURCH TO NELSON	225 CLP		120.9611404	1945	07/01/2012 0 - Critical		70 - Good	4 - Very Low
573 SLO2045	VICTORIA AVENUE SOUTH	SECOND TO FIRST	300 PVC		100.5808358	2001	07/01/2012 86 - Excellent		90 - Excellent	4 - Very Low
574 SLO2052	SECOND STREET EAST	PORTAGE TO VICTORIA-DEAD END	230 CLP		84.87625987	1913	07/01/2012 0 - Critical		70 - Good	4 - Very Low
575 SLO2197	SCOTT STREET	WEST OF VICTORIA TO VICTORIA	250 PVC		10.63291114	1981	07/01/2012 61 - Good		70 - Good	4 - Very Low
576 SLO2198	VICTORIA AVENUE SOUTH	SCOTT TO FIRST	230 CLP		110.5177721	1945	07/01/2012 0 - Critical		70 - Good	4 - Very Low

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SANLINE_ID	LOCATION	LOC_INFO	SIZE_	PMAT	LENGTH	INSTVR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
577 S02118	PORTAGE AVENUE NORTH	SIXTH TO MID-BLOCK	300 PVC		106.423244	2003	07/01/2012	88 - Excellent	Unknown	4 - Very Low
578 S04077	IDYLLWOOD DRIVE	LAKE ROAD NORTH TO SCHOOL RD.	300 AC		101.9111891	1963	07/01/2012	1 - Critical	90 - Excellent	4 - Very Low
579 S02123	SIXTH STREET EAST	MID-BLOCK TO WALKER	300 PVC		109.1288848	2001	07/01/2012	86 - Excellent	90 - Excellent	4 - Very Low
580 S02206	CHURCH STREET	NORTH TO RAINY LAKE LANE	300 PVC		65.1266285	2001	07/01/2012	86 - Excellent	Unknown	4 - Very Low
581 S00039	YORK AVENUE NORTH	SIXTH TO EIGHTH	250 AC		108.0767056	1965	07/01/2012	5 - Critical	70 - Good	4 - Very Low
582 S00040	YORK AVENUE NORTH	SIXTH TO EIGHTH	250 AC		106.8702442	1965	07/01/2012	5 - Critical	70 - Good	4 - Very Low
583 S00084	OLDE SHAMBLES ROAD	RIVER ROAD TO CUL-DE-SAC	200 PVC		45.1614724	1981	07/01/2012	61 - Good	Unknown	4 - Very Low
584 S00086	OLDE SHAMBLES ROAD	RIVER ROAD TO CUL-DE-SAC	200 PVC		67.14400976	1981	07/01/2012	61 - Good	Unknown	4 - Very Low
585 S00085	OLDE SHAMBLES ROAD	RIVER ROAD TO CUL-DE-SAC	200 PVC		55.12728776	1981	07/01/2012	61 - Good	Unknown	4 - Very Low
586 S00202	KEATING AVENUE	SIXTH ST. NORTH TO DEAD END	250 PVC		79.59088306	1985	07/01/2012	66 - Good	Unknown	4 - Very Low
587 S06005	ERIN CRESCENT	KATLYN TO SOUTH	200 PVC		16.19546845	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
588 S06010	KATLYN AVENUE	ERIN WEST TO FRENETTE	200 PVC		93.02692053	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
589 S06007	MIDBLOCK KATLYN DRIVE	MID-BLOCK TO WEST ERIN	200 PVC		95.0096941	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
590 S06006	MIDBLOCK KATLYN DRIVE	EAST ERIN TO MID-BLOCK	200 PVC		96.4337915	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
591 S06003	PATCIN TO LIFT STATION	GRAVITY TO LIFT STATION	200 PVC		16.09473361	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
592 S04080	PATCIN AVENUE	MID-BLOCK NORTH TO KATLYN	250 PVC		89.80713341	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
593 S06001	PATCIN FROM LIFT STATION	LIFT STATION TO GRAVITY MH	200 PVC		19.78847212	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
594 S06009	ERIN CRESCENT (NORTH)	KATLYN TO NORTH	200 PVC		11.731	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
595 S06012	FRENETTE	KATLYN SOUTH TO MID-BLOCK	200 PVC		83.30664515	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
596 S06011	NORTH OF FRENETTE	KATLYN TO NORTH	200 PVC		11.61613031	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
597 S06008	ERIN CRESCENT	KATLYN TO SOUTH	200 PVC		16.39085595	1995	07/01/2012	78 - Good	Unknown	4 - Very Low
598 S05010	FRONT STREET - STORING GAP	MARINA TO WOODYARD	100 POLY		26.32381326	1990	07/01/2012	55 - Fair	Unknown	4 - Very Low
599 S05011	FRONT STREET - IN BOULEVARD	ALONG WOODYARD	100 POLY		138.8710654	1990	07/01/2012	55 - Fair	Unknown	4 - Very Low
600 S05012	MINNIE AVENUE	BTW NELSON AND NELSON	100 POLY		63.77314936	1990	07/01/2012	55 - Fair	Unknown	4 - Very Low
601 S05013	MINNIE AVENUE	@ FRONST STREET	100 POLY		7.134497798	1990	07/01/2012	55 - Fair	Unknown	4 - Very Low
602 S02231	MOSHER AVENUE	CHURCH SOUTH TO MID-BLOCK	225 PVC		34.47720705	1988	07/01/2012	69 - Good	Unknown	4 - Very Low
603 S04083	EIGHTH STREET EAST	BTWN MILL RD & WILLIAMS AVE	250 PVC		27.15097523	1983	07/01/2012	63 - Good	Unknown	4 - Very Low
604 S02280	EIGHTH STREET EAST	NEW MAIN FOR 520	300 PVC		116.3817049	2008	07/01/2012	94 - Excellent	Unknown	4 - Very Low
605 S00204	RIVERVIEW DRIVE	SERVICE LINE	0 UNKN		24.49488009	1988	07/01/2012	51 - Fair	Unknown	4 - Very Low
606 S05002	CHURCH STREET	CHURCH STREET LIFT STATION	250 PVC		21.68049735	1992	07/01/2012	74 - Good	90 - Excellent	3 - Very Low
607 S02131	SIXTH STREET WEST	MID-BLOCK TO MID-BLOCK	250 PVC		66.6019335	1994	07/01/2012	77 - Good	90 - Excellent	3 - Very Low
608 S00182	SIXTH STREET WEST	CORNWALL TO WALKER	250 PVC		109.4936087	1994	07/01/2012	77 - Good	90 - Excellent	3 - Very Low
609 S00252	SIXTH STREET WEST	WEST OF WALKER TO MID-BLOCK	250 PVC		64.58113593	1994	07/01/2012	77 - Good	90 - Excellent	3 - Very Low
610 S00201	KING'S HIGHWAY	WEST OF KEATING TO DEAD END	250 PVC		97.50692344	1999	07/01/2012	83 - Excellent	Unknown	3 - Very Low
611 S00180	KING'S HIGHWAY	HWY 602 CORNER TO KEATING	250 PVC		96.8619782	1999	07/01/2012	83 - Excellent	Unknown	3 - Very Low
612 S03026	SECOND STREET EAST	MINNIE WEST TO MID-BLOCK	225 PVC		101.8969201	2004	07/01/2012	89 - Excellent	Unknown	3 - Very Low
613 S03042	CHURCH STREET	LIFT STATION TO MINNIE	250 PVC		42.57805803	1992	07/01/2012	74 - Good	90 - Excellent	3 - Very Low
614 S04029	SHEVLIN AVENUE	SIXTH TO BANTA BLVD.	200 PVC		115.5313582	2006	07/01/2012	92 - Excellent	Unknown	3 - Very Low
615 S04079	SHEVLIN AVENUE	SOUTH OF BANTA TO BANTA	200 PVC		32.6433523	2006	07/01/2012	92 - Excellent	Unknown	3 - Very Low
616 S02060	CROWE AVENUE	MID-BLOCK TO SIXTH	250 PVC		106.146314	1999	07/01/2012	83 - Excellent	Unknown	3 - Very Low
617 S02036	SECOND STREET EAST	CROWE TO FRENETTE	225 PVC		114.646345	2002	07/01/2012	87 - Excellent	Unknown	3 - Very Low
618 S02037	SECOND STREET EAST	CROWE TO FRENETTE	225 PVC		113.5876257	2002	07/01/2012	87 - Excellent	Unknown	3 - Very Low
619 S02022	THIRD STREET EAST	McKENZIE TO VICTORIA	450 PVC		110.9000803	2012	07/01/2012	99 - Excellent	Unknown	3 - Very Low
620 S02021	THIRD STREET EAST	PORTAGE TO McKENZIE	450 PVC		110.8389558	2012	07/01/2012	99 - Excellent	Unknown	3 - Very Low
621 S02042	PORTAGE AVENUE SOUTH	FIRST ST. TO DEAD END NORTH	250 PVC		85.79286623	2010	07/01/2012	97 - Excellent	Unknown	3 - Very Low
622 S02196	SCOTT STREET	MID-BLOCK TO WEST OF VICTORIA	250 PVC		98.21544245	1981	07/01/2012	61 - Good	90 - Excellent	3 - Very Low
623 S02192	PORTAGE AVENUE SOUTH	CHURCH TO NELSON	250 PVC		120.6739039	2009	07/01/2012	96 - Excellent	Unknown	3 - Very Low
624 S02195	SCOTT STREET	PORTAGE EAST TO MID-BLOCK	250 PVC		112.6471907	1981	07/01/2012	61 - Good	90 - Excellent	3 - Very Low
625 S02199	PORTAGE AVENUE SOUTH	SCOTT NORTH TO DEAD END	250 PVC		60.26818446	2009	07/01/2012	96 - Excellent	Unknown	3 - Very Low
626 S02248	PORTAGE AVENUE SOUTH	THIRD SOUTH TO MID-BLOCK	250 PVC		32.57195896	2010	07/01/2012	97 - Excellent	Unknown	3 - Very Low
627 S02207	VICTORIA AVENUE SOUTH	SINCLAIR TO FRONT DEAD END	250 PVC		42.05085026	2009	07/01/2012	96 - Excellent	Unknown	3 - Very Low
628 S02191	VICTORIA AVENUE SOUTH	NELSON TO SINCLAIR	250 PVC		120.4719931	2009	07/01/2012	96 - Excellent	Unknown	3 - Very Low



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SANLINE ID	LOCATION	LOC_INFO	SIZE	PMAT	LENGTH	INSTVR	REPLACEMENT_2	AGEBASEDCO	OVERALLCON	RISK/RATING
629 SLO2193	SCOTT STREET	PORTAGE WEST TO MID-BLOCK	250 PVC	250 PVC	108.7928747	1981	07/01/2012	61 - Good	90 - Excellent	3 - Very Low
630 SLO2180	SCOTT STREET	MOWAT EAST TO MID-BLOCK	250 PVC	250 PVC	101.8027359	1981	07/01/2012	61 - Good	90 - Excellent	3 - Very Low
631 SLO2208	SCOTT STREET	MOWAT WEST TO DEAD END	200 PVC	200 PVC	52.87116878	2007	07/01/2012	93 - Excellent	Unknown	3 - Very Low
632 SLO2178	SCOTT STREET	MOWAT TO EAST	200 PVC	200 PVC	10.97232806	1981	07/01/2012	61 - Good	90 - Excellent	3 - Very Low
633 SLO2203	CHURCH STREET	MOWAT TO CENTRAL DEAD END	225 AC	225 AC	104.1493364	1929	07/01/2012	89 - Excellent	Unknown	3 - Very Low
634 SLO0194	McIRVINE ROAD	FIFTH ST. TO PEAT PLANT	200 PVC	200 PVC	11.82591565	1997	07/01/2012	81 - Excellent	Unknown	3 - Very Low
635 SLO3031	FIRST STREET EAST	WILLIAMS EAST TO MID-BLOCK	200 PVC	200 PVC	82.49700468	2005	07/01/2012	91 - Excellent	Unknown	3 - Very Low
636 SLO3032	FIRST STREET EAST	MID-BLOCK EAST TO COL. RD. W.	200 PVC	200 PVC	68.92174391	2005	07/01/2012	91 - Excellent	Unknown	3 - Very Low
637 SLO5007	WILLIAMS AVENUE	CHURCH TO NELSON	250 AC	250 AC	98.26285247	1964	07/01/2012	3 - Critical	90 - Excellent	3 - Very Low
638 SLO5003	CHURCH STREET	LIFT STATION EAST TO MID-BLOCK	250 AC	250 AC	77.23132902	1964	07/01/2012	3 - Critical	90 - Excellent	3 - Very Low
639 SLO5008	NELSON STREET	WILLIAMS WEST TO MID-BLOCK	250 AC	250 AC	98.13511114	1964	07/01/2012	3 - Critical	90 - Excellent	3 - Very Low
640 SLO5004	CHURCH STREET	MID-BLOCK EAST TO WILLIAMS	250 AC	250 AC	57.703222706	1964	07/01/2012	3 - Critical	Unknown	3 - Very Low
641 SLO6002	NORTH OF PATCIN	FARAGHER PROPERTY EXTENSION	200 PVC	200 PVC	50.33340045	2003	07/01/2012	88 - Excellent	Unknown	3 - Very Low
642 SLO6004	KATLYN DRIVE	PATCIN TO ERIN (REPLACEMENT)	200 PVC	200 PVC	92.60264962	2005	07/01/2012	91 - Excellent	Unknown	3 - Very Low
643 SLO2194	PORTAGE AVENUE SOUTH	SCOTT TO CHURCH	250 PVC	250 PVC	18.20371843	2009	07/01/2012	96 - Excellent	Unknown	3 - Very Low
644 SLO2194	PORTAGE AVENUE SOUTH	SCOTT TO CHURCH	250 PVC	250 PVC	100.8446003	2009	07/01/2012	96 - Excellent	Unknown	3 - Very Low
645 SLO2283	MEMORIAL SPORTSPLEX	SERVICE LINE	250 PVC	250 PVC	9.150902244	2000	07/01/2012	84 - Excellent	Unknown	3 - Very Low
646 SLO2284	MEMORIAL SPORTSPLEX	SERVICE LINE	250 PVC	250 PVC	87.10531022	2000	07/01/2012	84 - Excellent	Unknown	3 - Very Low
647 SLO2281	EIGHTH STREET EAST	520 EIGHTH STREET EAST	150 PVC	150 PVC	23.19074862	2008	07/01/2012	94 - Excellent	Unknown	2 - Very Low
648 SLO0002	McIRVINE ROAD SOUTH	McIRVINE TO STP FIELD	900 CONP	900 CONP	49.745079	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
649 SLO0007	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	82.21796894	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
650 SLO0031	FIFTH STREET WEST	YORK TO CORNWALL	750 CONP	750 CONP	108.694775	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
651 SLO0032	FIFTH STREET WEST	CORNWALL TO FM MH	750 CONP	750 CONP	123.4858905	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
652 SLO0033	FIFTH STREET WEST	CORNWALL TO FM MH	750 CONP	750 CONP	125.3364795	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
653 SLO0029	FIFTH STREET WEST	LILLIE TO YORK	750 CONP	750 CONP	110.3901758	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
654 SLO0027	FIFTH STREET WEST	WEBSTER TO LILLIE	750 CONP	750 CONP	75.47402371	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
655 SLO0028	FIFTH STREET WEST	LILLIE TO YORK	750 CONP	750 CONP	114.5516858	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
656 SLO0024	FIFTH STREET WEST	YORK TO WEBSTER	750 CONP	750 CONP	106.8798446	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
657 SLO0025	FIFTH STREET WEST	WEBSTER TO WEBSTER	750 CONP	750 CONP	108.9653158	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
658 SLO0026	FIFTH STREET WEST	WEBSTER TO LILLIE	750 CONP	750 CONP	82.94329141	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
659 SLO0030	FIFTH STREET WEST	YORK TO CORNWALL	750 CONP	750 CONP	108.9326945	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
660 SLO0022	FIFTH STREET WEST	KEATING TO WRIGHT	750 CONP	750 CONP	108.6702318	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
661 SLO0020	FIFTH STREET WEST	McIRVINE TO KEATING	750 CONP	750 CONP	103.2041977	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
662 SLO0021	FIFTH STREET WEST	McIRVINE TO KEATING	750 CONP	750 CONP	108.5709172	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
663 SLO0018	FIFTH STREET WEST	McIRVINE TO KEATING	750 CONP	750 CONP	101.3655957	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
664 SLO0017	FIFTH STREET WEST	McIRVINE TO KEATING	750 CONP	750 CONP	101.5561921	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
665 SLO0019	FIFTH STREET WEST	McIRVINE TO KEATING	750 CONP	750 CONP	103.0993793	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
666 SLO0015	McIRVINE ROAD NORTH	McIRVINE NORTH OF CNR	900 CONP	900 CONP	55.46786968	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
667 SLO0014	McIRVINE ROAD NORTH	McIRVINE @ CNR	900 CONP	900 CONP	83.68432599	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
668 SLO0012	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	101.9714632	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
669 SLO0011	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	102.5245084	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
670 SLO0009	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	88.90665083	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
671 SLO0008	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	89.27670718	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
672 SLO0010	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	106.0496889	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
673 SLO0013	McIRVINE ROAD SOUTH	McIRVINE NORTH OF HWY	900 CONP	900 CONP	101.8354619	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
674 SLO0016	FIFTH STREET WEST	McIRVINE TO KEATING	750 CONP	750 CONP	103.7381119	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
675 SLO0023	FIFTH STREET WEST	KEATING TO WRIGHT	750 CONP	750 CONP	107.2840306	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
676 SLO0006	McIRVINE ROAD SOUTH	McIRVINE SOUTH OF HWY	900 CONP	900 CONP	136.2466024	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
677 SLO0003	McIRVINE ROAD SOUTH	McIRVINE TO SOUTH	900 CONP	900 CONP	64.90036166	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
678 SLO0004	McIRVINE ROAD SOUTH	COLON. RD. TO SOUTH	900 CONP	900 CONP	75.17655291	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
679 SLO0005	McIRVINE ROAD SOUTH	McIRVINE-COLON. NORTH	900 CONP	900 CONP	115.8544924	1964	07/01/2012	3 - Critical	Unknown	10 - Very Hig
		total			18370.7864					

SANLINE_ID		LOCATION	LOC_INFO	SIZE_	PMAT	LENGTH	INSTYR	REPLACEM_2	AGEBASEDCO	OVERALLCON	RISK/RATING
681		Krating Avenue	service line for IM Walker School	0	0	99196.99633					
682		800 BLOCK WRIGHT AVENUE	SERVICE LINE IN BLVD	0 UNKN		68.65535148					
683		WRIGHT @ FOURTH	SERVICE LINE TO 819 WRIGHT	0 UNKN		60.28483043	1926				
684	SL00205	Fifth Street West		250 PVC		30.0392875	1928				
685		860 King's Highway	service line for A&W	150 UNKN		53.91832309	2011				
686	SL04087	WILLIAMS AVENUE	FOURTH TO MIDBLOCK	250 PVC		50.41227571					
687		SCHOOL ROAD	SERVICE LINE TO RUSTY MEYERS	100 CLP		32.08853566	2013				
688		FIFTH STREET EAST	WATER TREATMENT PLANT SERVICE	0 UNKN		28.769953	1964				
689		FIFTH STREET EAST	WATER TREATMENT PLANT SERVICE	0 UNKN		5.176170496	1985				
690		FIFTH STREET EAST	WATER TREATMENT PLANT SERVICE	0 UNKN		50.84326147	1985				
691		FIFTH STREET EAST	SHIVLIN AVENUE	400 AC		17.84545464	1985				
692		SECOND STREET EAST	HANNOURAGE SLEWER EXIN	225 CLP		3.828002457	1962				
693	SL04085	HUFFMAN	AT FIFTH STREET EAST	250 PVC		19.38315136	1925				
694	SL04086	HUFFMAN	CUL-DE-SAC TO DEAD END	250 PVC		17.14481247	2013				
695	SL00206	EIGHTH STREET WEST		250 PVC		86.86238851	2013				
						52.00000005	2013				
						577.2017488					



[illegible]

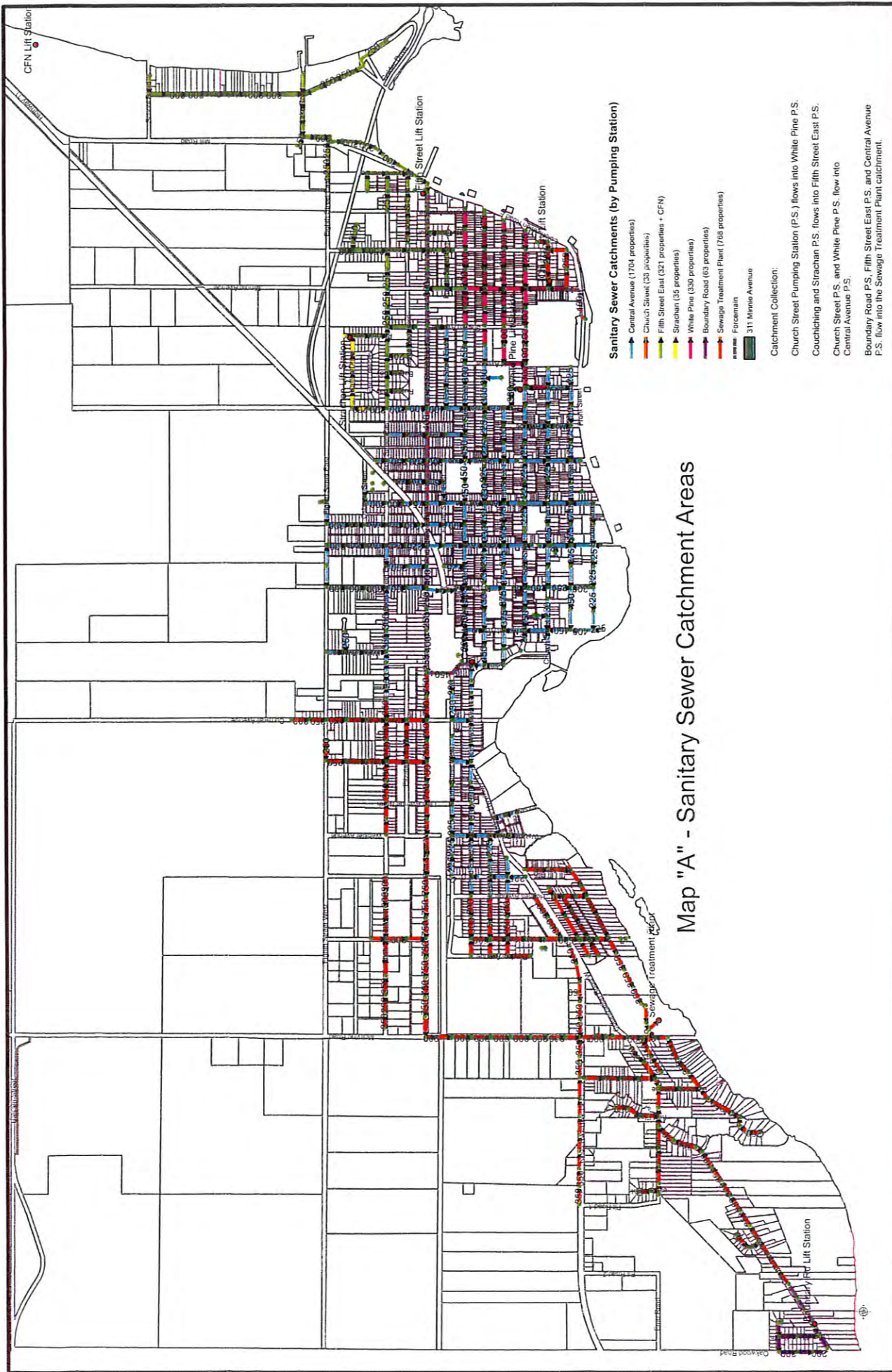
	May & June	none
STP- Events		
June 12, 13, 16 June 12, 13, 16		

Month	Days per month	2011				2010				2009				2008				
		Total Sewage STP cu. meters	Treated WTP cu. meters	SP-WTP cu. meters	monthly rainfall mm	Total Sewage STP cu. meters	Treated WTP cu. meters	SP-WTP cu. meters	monthly rainfall mm	Total Sewage STP cu. meters	Treated WTP cu. meters	SP-WTP cu. meters	monthly rainfall mm	Total Sewage STP cu. meters	Treated WTP cu. meters	SP-WTP cu. meters	monthly rainfall mm	
January	31	134060.0	5937.5	134070.0	4322.9	50057.0	-1614.5	108840.0	6085.2	136800.0	4412.9	-3154.0	-1672.3	181454.0	3584.3	4273.2	-4834.0	-1519.2
February	28	161066.0	6778.8	118730.0	4240.4	43076.6	-1538.4	162913.0	5818.3	121940.0	4350.0	-4097.3	-1463.3	161342.0	5869.4	4125.9	-4802.0	-1740.5
March	31	208166.0	7715.0	125500.0	4177.4	78666.6	-2537.6	243740.0	7975.2	133310.0	4300.3	-11362.0	-3674.8	253602.0	8190.4	4188.9	123442.0	-4004.6
April	30	365584.0	12186.1	228760.0	4029.0	143774.0	-8157.1	101.6	37379.5	139760.0	4582.3	-4949.5	-2787.0	111848.0	11184.8	121040	4034.7	-7154.7
May	31	289752.0	9348.6	128730.0	4184.8	160972.0	-5162.0	52.6	221358.0	145550.0	4895.2	-4696.6	-3099.5	389587.0	9953.8	4080.3	16207.0	-5873.5
June	30	243886.0	7889.5	135140.0	5404.7	111540.0	-3384.9	96.2	229211.0	1640.4	141710.0	4723.7	-67501.6	238721.0	7657.4	136860	49631.0	-2994.4
July	31	193835.0	7091.5	168940.0	5497.9	50695.6	-1841.4	48.6	324584.0	11600.0	5355.2	-178554.9	-5695.3	123260.0	6867.7	152280	4560.0	-1923.2
August	31	192974.0	6225.0	135500.0	5338.7	21474.0	-886.3	65.0	238904.0	165860.0	5060.0	-8204.4	-2646.6	141250.0	7477.1	4455.6	90540.0	-2920.6
September	30	171040.0	5701.3	130060.0	4335.6	27518.0	-1736.6	9172.8	134160.0	4472.0	-14102.9	-4700.8	197636.0	6569.9	4905.3	49936.0	-1664.5	
October	31	162845.0	5246.6	124310.0	3968.1	39633.9	-1127.5	24649.0	129900.0	4093.5	111740.0	-3862.9	133380.0	6516.6	4302.9	46826.0	-2213.7	
November	30	154351.0	5145.0	124300.0	4143.3	20033.6	-1001.7	209828.0	6954.3	120710.0	4023.7	-87719.0	-2930.6	227075.0	7569.2	4055.7	135265.0	-3513.5
December	31	161380.0	5206.1	141060.0	4550.3	-26329.0	-655.8	197255.0	6383.1	130480.0	4208.4	-4679.6	-2154.7	2074306.0	8507.5	4228.4	-71952.0	-2279.1
Total	365	2508290.0	162080.0	162080.0	-887440.0	-73953.3	-2435.39	2800200.0	6383.1	1651880.0	4208.4	-4679.6	-2154.7	21743306.0	1589980.0	4228.4	-1153326.0	-96110.5
Monthly Average		209024.2	6872.44	135070.8	4437.05	-73953.3	-2435.39	233350.0	7658.07	137656.7	4523.51	-3134.56	-228608.8	7510.21	132498.3	4354.59	-3155.63	

STP-Byzant: Events	April 10 & 11	July 1st, & 4th	none

STP-Bypass Events





Map "A" - Sanitary Sewer Catchment Areas





Sanitary Sewer Mains Surrounding 311 Minnie Avenue

SL03042 Church St - 250mm PVC 1992 42.58m A rating  
 SL05002 Church St - 250mm PVC 1992 21.68m A rating  
 SL05003 Church St - 250mm AC 1964 77.23 m A rating  
 SL05004 Church St - 250mm AC 1964 57.70m A rating  
 SL05005 Church St - 200mm AC 1970 44.49m not rating  
 SL05011 Front St - 100mm POLY 1990 138.87m not rating  
 SL05010 Front St - 100mm POLY 1990 26.32m not rating  
 SL03012 Minnie Ave - 225mm CLP 1924 116.04 m D rating  
 SL03041 Minnie Ave - 250mm CLP 1945 98.31m D rating  
 SL05012 Minnie Ave - 100mm POLY 1990 63.77m not rated  
 SL05013 Minnie Ave - 100mm POLY 1990 7.13m not rated  
 SL05008 Nelson St - 250mm AC 1964 98.14m A rating  
 SL05009 Nelson St - 250mm AC 1964 99.73m B rating  
 SL05006 Williams Ave - 200mm AC 1970 56.73m not rated  
 SL05007 Williams Ave - 250mm AC 1964 98.26 m A rating

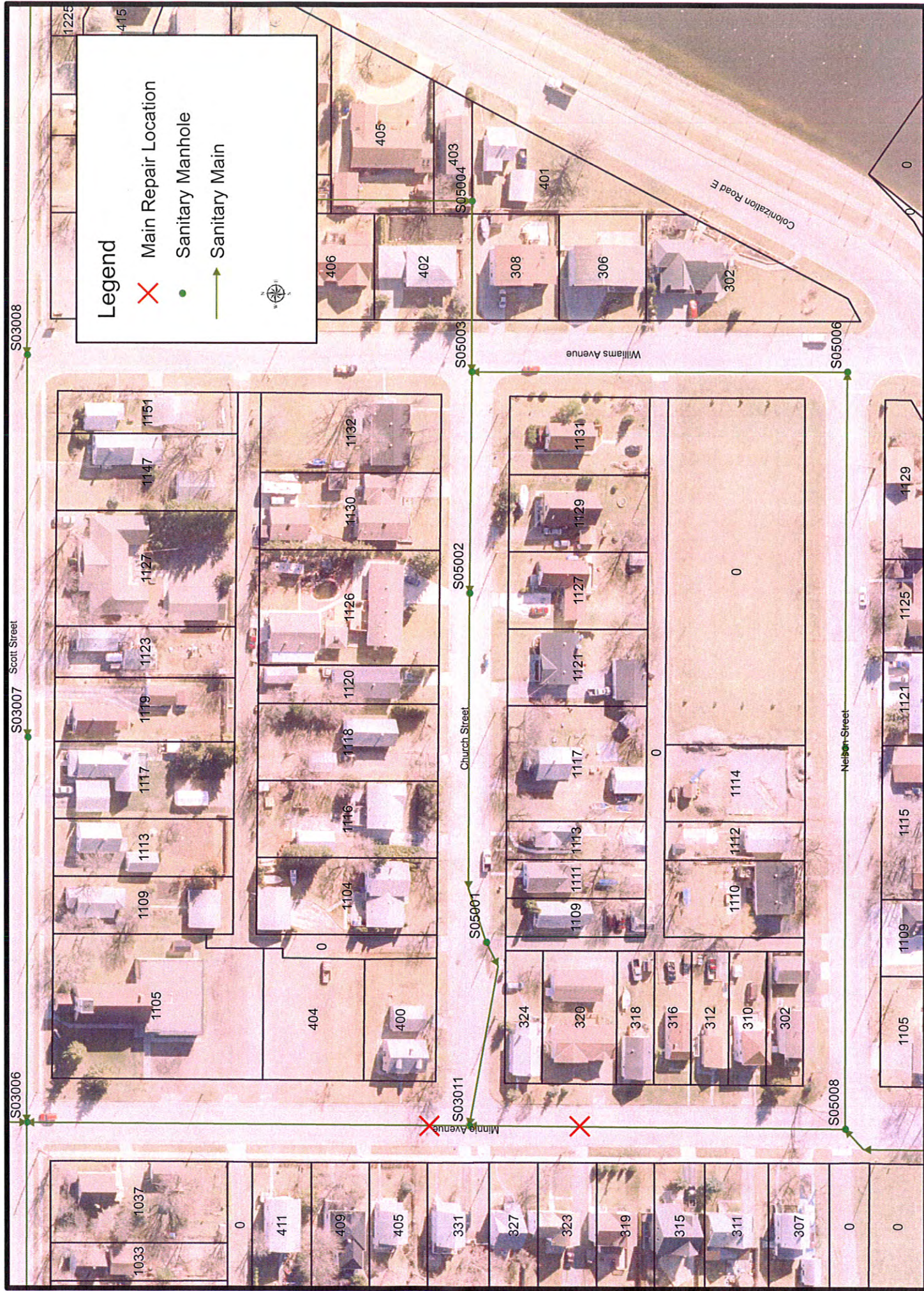
Sanitary Sewer Catchments (by Lift Station)

Forcemain  
 Church Street (38 properties)  
 White Pine (330 properties)  
 311 Minnie Avenue

Map "B" - Sanitary Sewer Surrounding 311 Minnie Avenue



# Map "C" - Location of Sanitary Sewer Repairs Completed in 2013





[illegible]

311 Minnie Ave.

[illegible]

REPORT TO: Mark McCaig, CAO  
D. Brown, Manager Operations and Facilities

FROM: Kathryn Lawson, Deputy Clerk

SUBJECT: 2014 Sept. 08 –Council Meeting – Complaint Register Issues

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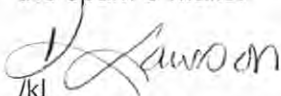
Following the concerns arising from the September 8<sup>th</sup> regular meeting of Council, I have been asked to provide the following information:

During the week of August 11<sup>th</sup>, Kendall Richardson phoned to enquire about the possibility of presenting a petition to Mayor and Council on behalf of homeowners in her area. I advised that she needed to bring the information to the Clerks office by August 25<sup>th</sup> so it could be placed on Council's agenda.

At that time she briefly shared some concerns about some of her neighbours indicating that their complaints, which had been registered through the complaint process had not been received by the Town. I advised her that the Town web site is checked daily and that anything registered as a complaint is forwarded to the Town office front desk for processing. I did indicate to her that there had been an incidence where a large amount of e-mails were deleted, because of concerns about a suspected spam issue, and indicated to her that if the complaints she was concerned about had been submitted during that time, I would gladly re-submit them verbally or by written correspondence to make sure they were in the system. She asked for a couple of blank complaint forms, which I did give to her, and thanked me for my help.

After Ms. Richardson's presentation at the September 8<sup>th</sup> meeting, a meeting was held immediately to determine what, if any complaints may have been lost during the period in question when the e-mails were deleted. Ms. Richardson had provided complaint forms from Laurel Halvorsen, Kendall Richardson & Gary Jolicoeur, John Steinke and Glenn Witherspoon. Laurie Witherspoon, immediately had her staff check and confirm all complaints forwarded to the front desk had been addressed. She confirmed they had been received and were in various forms of address and response at this time. The complaint from Ms. Halvorsen was received on the web-site July 21<sup>st</sup> at 5:50 p.m. She addressed it as an information only item. We received a complaint from Mr. Jolicoeur at 9:52 a.m., on July 17, 2014, however it referred to a Driveway Bonnet issue at 311 Minnie Avenue, not sewer issues. No complaint via the Town web-site has ever been received from either Mr. Steinke or Mr. Witherspoon respecting sewage issues.

As per the attached e-mail from Darryl Allan dated September 9<sup>th</sup>, 2014, any submission on the town web site during that period were saved, and no submissions had been deleted with the spam e-mails.

  
/kl  
September 15, 2014





Darryl Allan/Frances  
10/09/2014 03:42 PM

To mmccaig@fort-frances.com, dbrown@fort-frances.com  
cc klawson@fort-frances.com  
bcc  
Subject Erroneous Statement in The Times

In the news item Residents petition to fix sewer woes there is a statement that " Many of the complaints, which were filed on-line via the town's website, were deleted due to spam issues. Richardson suggested the on-line link to file customer complaints should be removed until the problem is fixed."

This statement is completely incorrect. At the time that the complaints were filed there was a flood of spam being sent to the email address that complaints go to. We were concerned that it might have been possible that a complaint had been deleted by accident when all of the spam messages were being deleted from this email account. We checked back on our website where all of the emails, spam or not, are still stored and checked against what was in the email account for the complaints. None had been deleted. In addition the problem with spam messages has largely been resolved with the use of a "CAPTCHA" where you have to enter a code that appears in an image.

You may wish to forward this to the Times, or provide them with the information that is included in this email.

Darryl Allan

DAIT Consulting Services