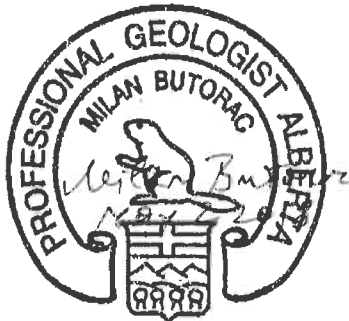




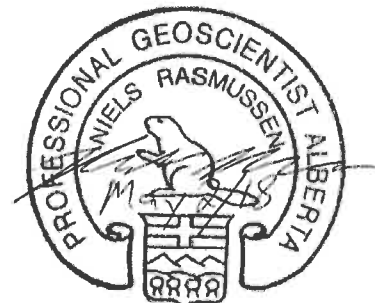
THURBER ENGINEERING LTD.

**HIGH-LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA**

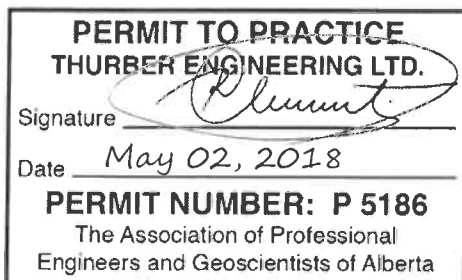
**Report
to
Parkland County**



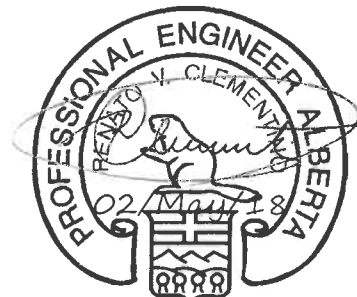
Milan Butorac, P.Geol.
Senior Geologist



Niels Rasmussen, P.Geo.
Geologist



Date: May 2, 2018
File: 21720



Renato Clementino, Ph.D., P.Eng.
Review Engineer



TABLE OF CONTENTS

1.	INTRODUCTION.....	1
1.1	General.....	1
1.2	Project Background.....	1
1.3	Scope of Work	1
2.	DESKTOP STUDY	2
2.1	Site Investigation Review.....	2
2.2	Site Topography and Geology Review	3
2.2.1	Topography	3
2.2.2	Surficial Geology	4
2.2.3	Bedrock Geology.....	4
3.	SITE RECONNAISSANCE	5
4.	GEOTECHNICAL EVALUATION AND RECOMMENDATIONS.....	5
4.1	General Slope Assessment.....	5
4.2	Future Work	6
4.3	Fence Assessment	7
5.	LIMITATION AND USE OF THIS REPORT	7

STATEMENT OF LIMITATIONS AND CONDITIONS



TABLE OF CONTENTS CONTINUED...

APPENDIX A

- Drawing No. 21720-1 – Overall Site Plan
- Drawing No. 21720-1A – North Site Plan
- Drawing No. 21720-1B – South Site Plan
- Drawing No. 21720-2A – North Topography Map
- Drawing No. 21720-2B – South Topography Map
- Drawing No. 21720-3A – North Ground Surface Slope Map
- Drawing No. 21720-3B – South Ground Surface Slope Map
- Drawing No. 21720-4A – North Surficial Geology Map
- Drawing No. 21720-4B – South Surficial Geology Map
- Drawing No. 21720-5A – North Drift Thickness Map
- Drawing No. 21720-5B – South Drift Thickness Map
- Drawing No. 21720-6A – North Bedrock Geology Map
- Drawing No. 21720-6B – South Bedrock Geology Map

APPENDIX B

- Water Well Records

APPENDIX C

- Selected Photographs from Site Reconnaissance



1. INTRODUCTION

1.1 General

This report provides the results of a high-level stability review for the slopes along First Avenue in the Summer Village of Seba Beach in Parkland County, Alberta.

The work was carried out in general accordance with our proposal letter to Ms. Amanda Soetaert, E.I.T. of Parkland County (County) dated December 6, 2017. Notice to proceed was given in an email communication on January 2, 2018. The work has been carried out in accordance with the terms of the Consulting Service Agreement (Contract No. C170524EN) between the County and Thurber Engineering Ltd. (Thurber).

It is a condition of this report that Thurber's performance of its professional services is subject to the attached Statement of Limitations and Conditions.

1.2 Project Background

It is understood that there is a history of slope movement along the west side of First Avenue (Edmonton Road) in the Summer Village of Seba Beach in Parkland County, Alberta.

In the past, attempts have been made to scale rocks from the slope and some slope movement has been initiated by tree clearing on the slope. Additionally, a fence has been erected along a portion of the toe of the slope and is collecting debris from the slope movement and several residents have contacted the County with their concerns.

Parkland County; therefore, requires a high-level slope stability review to evaluate the slope stability conditions and identify and assess the risks and effects of the slope conditions on the public, infrastructure, land, structures, etc.

The study area is shown on Drawing Nos. 21720-1, 21720-1A, and 21720-1B in Appendix A.

The following sections present Thurber's work to complete this assessment.

1.3 Scope of Work

Thurber proceeded with a defined scope of work, as outlined in our proposal dated December 6, 2017, and consisted of the following:



- Background Information Collection and Evaluation - Thurber conducted a review of existing subsurface information and terrain analysis. This study involved the review of available geotechnical reports, topographic maps, geological maps and reports, aerial photographs, and available LIDAR imagery.
- Site Reconnaissance – Thurber conducted a site reconnaissance to assess the general geotechnical conditions in the project area, focusing on key sites where landslide activity was observed to have occurred in the past.
- Determination of potential causes of identified slope instabilities
- Identification of areas of high risk of slope failure
- Identification of potential consequences, in an event of a slope failure, and its impact to the assessment of the risk level
- Recommendations for future work, if required.

The approved scope of work for this assessment did not include borehole drilling or soil sampling/testing.

2. DESKTOP STUDY

2.1 Site Investigation Review

As part the desktop study, Thurber has reviewed 54 available water well records and published geology maps. In general, no geotechnical information for the area was found. The approximate water well locations are shown on Drawing Nos. 21720-1A, and 21720-1B in Appendix A.

Following is a summary of the subsurface and drainage information collected from the reviewed water wells.

In general, the encountered stratigraphy consisted of overburden sand, clay or till overlying bedrock consisting of sandstone, clay shale, and coal.

Fourteen water wells are located in the plateau and forty are located between the toe of the slope and the lake shore. Available water well records for the study area are provided in Appendix B.



2.2 Site Topography and Geology Review

Thurber has reviewed available geological mapping, available LIDAR and satellite imagery for the study area. The following information was reviewed as part of the site geological review, in addition to above reviewed reports:

- L. Withers. Bedrock Topography of the Wabamun Lake Map. NTS 83G. Alberta. Research Council of Alberta. Published 1971.
- L.D. Andriashek, M.M. Fenton, J.D. Root. Surficial Geology Wabamun Lake, Alberta, NTS 83G. Alberta Research Council. Published 1979.
- Alberta Energy Regulator/ Alberta Geological Survey. Bedrock Geology of Alberta. Map 600. Published 2013.
- S. Lyster, N. Atkinson. Bedrock Topography of Alberta. Alberta Geological Survey. Published 2016.
- Alberta Well Drilling Report. <http://groundwater.alberta.ca/WaterWells/d/>.
- Aerial Photography Provided by Parkland County.
- LiDAR available from Airborne Imaging

2.2.1 Topography

The study area is located along the west shore of Wabamun Lake along 1st Avenue. The area surrounding Seba Beach is generally used as agricultural land. The majority of residences are located along the shore of Wabamun Lake and along the upper plateau east of 2nd Avenue and Culmac Road.

As illustrated on Drawing Nos. 21720-2A and 21720-2B, Appendix A, the upper plateau is at an approximate elevation of 750 m and the lake level at approximately 730 m. The slopes are generally 20 m in height and are generally between 35 degrees and 50 degrees, as shown on Drawing Nos. 21720-3A and 21720-3B, Appendix A. The slopes generally consist of exposed sandstone bedrock or sandstone covered in thin colluvium.

The following sections further present the geology of the study area.



2.2.2 Surficial Geology

There are three major surficial deposit units present within the study area, as illustrated on Drawing Nos. 21720-4A and 21720-4B, Appendix A. The units are defined as: lacustrine deposits, glacial deposits and colluvium.

Lacustrine deposits are located along the Wabamun Lake shore and are composed of bedded sand, gravel and clay which are generally up to a few meters thick.

Glacial deposits are located on the plateau and are composed of till: a mixture of clay, silt, and sand with boulders. Layers and bodies of sand and gravel are present within the glacial deposits. Total thickness of glacial deposits are generally up to a few meters. There are areas where glacial deposits are removed by erosion and bedrock is exposed at ground surface.

Colluvium deposits are located along the slope separating the lake and the plateau. Colluvium is a result of weathering and gravitational movement of displaced material. The colluvium generally consists of a mixture of weathered sandstone of the Paskapoo Formation and glacial deposits.

The thickness of the surficial deposits generally vary between 0 m and 6 m on the plateau and are generally less than 2 m thick along the Wabamun Lake shore. The thickness of surficial deposits (drift thickness) are shown on Drawing Nos. 21720-5A and 21720-5B, in Appendix A.

2.2.3 Bedrock Geology

The bedrock topography above the lake shore is presented on Drawing Nos. 21720-6A and 21720-6B. The bedrock topography shows a steep slope of exposed bedrock and a plateau of bedrock covered with a veneer of surficial deposits. The bedrock exposed at the slope is the Paskapoo Formation composed of interbedded and massive hard to soft sandstone with siltstone and some layers of shale, coal and conglomerate. The Paskapoo Formation is underlain by the Scollard Formation which is composed of sandstone, siltstone, mudstone and coal.

The Paskapoo Formation can range between 35 to 40 m in thickness in the plateau area and 10 to 20 m in thickness along the lake shore.



3. SITE RECONNAISSANCE

A site reconnaissance was undertaken by Mr. Niels Rasmussen, P. Geo. of Thurber accompanied by Mr. Keith Bobey, P.Eng. of Parkland County on April 20, 2018.

The slopes along the west side of 1st Avenue are generally vegetated with mature forest vegetation (Photos 1 and 2, Appendix C). Some of the trees were observed to have bent trunks at their bases and mature straight trunks for the rest of their height. This type of growth is typical of trees that experienced some downslope movement when they were young but have not significantly moved in the years since.

Overall, the slopes in the area appeared relatively stable due to the presence of mature vegetation and the presence of very shallow bedrock. At numerous locations along the slopes, sandstone outcrops of the Paskapoo formation (Photos 3 and 4, Appendix C) could be seen.

A chain link fence is located below one of the sandstone outcrops (Photo 5, Appendix C). Sand has accumulated along parts of the fence (see photo 6, Appendix C). The location of the fence is shown on Drawing 21720-2B, in Appendix A.

Several sandstone boulders were noted at the bottom of the slope next to the roadway and ditch of First Avenue. Creeks were noted in the gullies and flowed into culverts which cross First Avenue to drain into Wabamun Lake.

Some seepage was noted coming out of the exposed sandstone outcrops. This seepage is not expected to be a major concern and is most likely occurring at either a horizontal fissure in the bedrock or the daylighting of a highly contrasting permeability contact within the bedrock formation.

Active landslides were not noted during the site reconnaissance.

4. GEOTECHNICAL EVALUATION AND RECOMMENDATIONS

4.1 General Slope Assessment

In general, the slopes, situated west of First Avenue in Seba Beach appear stable in condition.

Based on a review of available geology mapping and the site reconnaissance, the erosion/movement along the slopes is likely the result of weathering and crumbling of the bedrock formations, primarily the Paskapoo Formation sandstone. Rockfall debris and washout material form colluvial materials along the slopes. The colluvium is draped over the Paskapoo



Formation sandstone. For the most part, the slopes appear to be stable in the recent past, due to the visual observation of vertical mature vegetation on them.

Some trees were noted to have bent trunks at their bases and mature straight trunks for the rest of their height. This type of growth suggests that slow creeping downslope movement has occurred in the past. The movement rate is unknown, however is expected to very slow (1 to 2 mm a year).

Bedrock was observed to be relatively shallow along the entire reach of the study area, typically a depth of 1 m to 2 m, leading to a high tolerance for steep slopes in most locations.

Some areas of runoff flow through gullies and across exposed sandstone outcrops were observed during the site reconnaissance.

Visually, there appears to be no immediate threat of imminent slope failure to any existing development along First Avenue, due to the observed conditions of the slopes and what is known about the shallow bedrock geology. However, heavy rainfall events may lead to some of these slopes and exposed sandstone outcrops destabilizing in the future. No immediately active landslide areas were observed during the site reconnaissance.

Potential consequences of a heavy rainfall event may be erosion of the sandstone around sandstone boulders, causing them to roll downslope towards the roadway. The chance of occurrence was not evaluated as part of the current scope of work.

It is recommended that any future development in the plateau above the slopes avoid excessive overflow on the slopes.

4.2 Future Work

The County should consider developing a periodic visual monitoring program, performed by qualified personnel, for risk assessment. We suggest starting at every 2 years frequency, and depending on the results of the observations, the monitoring frequency may be adjusted.. This program would ensure that ongoing movement and/or erosion are at a level that are not to be expected to be of concern.

A comparison of site photographs in key areas (specifically the exposed sandstone outcrop at the fence location) would also be useful in assessing any changes to the slopes over time.



4.3 Fence Assessment

The chain link fence at the exposed sandstone outcrop (location shown on Drawing 21720-1B) was noted to be damaged with sand accumulated between the slope bottom and the fence.

A conventional fence (such as the current chain link fence) is not considered suitable or recommended for this type of application. A fence for this type of application is usually highly engineered. From a geotechnical point of view, the current fence is inadequate.

If debris is falling off the slope, such as the boulder shown in Photo 7, it should be properly addressed with adequate slope remediation measures. It may be difficult at this location, based on cost, geometry, and access. Please note, that any fencing installed will not stabilize the slope, it is merely a method to prevent debris movement onto the road.

Types of specialized rockfall protection may include the following:

- Rockfall fences (“catch fences”)
- Slope mesh covering the exposed slope

Rockfall fences are typically built using steel posts and a flexible-net supported by wire rope. The systems are anchored to the ground using rock or soil anchors.

Following any major rockfall impact, the debris would need to be cleared and the fence would need to be inspected and repaired if needed.

A slope mesh is essentially a net anchored to the exposed bedrock face using anchors. Based on the access to the exposed face, the installation of this type of protection may be expensive.

In the meantime, the accumulated sand should be removed from behind the existing fence and the fence should be repaired where it is deteriorated or damaged.

5. LIMITATION AND USE OF THIS REPORT

There is a possibility that this report may form part of future design and construction documents for information purposes. This report was issued before any final design or construction details have been prepared or issued for any development in the area. Therefore, differences may exist between the report recommendations and the final design, the contract documents, or as observed during construction. In such instances, Thurber Engineering Ltd. should be contacted immediately to address these differences.



Designers and contractors undertaking or bidding of future work should examine the site, satisfy themselves to the adequacy of the information herein for design and construction, and make their own interpretation of the information as it may affect their proposed scope of work, cost, schedules, safety and equipment capabilities.

STATEMENT OF LIMITATIONS AND CONDITIONS

1. STANDARD OF CARE

This Report has been prepared in accordance with generally accepted engineering or environmental consulting practices in the applicable jurisdiction. No other warranty, expressed or implied, is intended or made.

2. COMPLETE REPORT

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment are a part of the Report, which is of a summary nature and is not intended to stand alone without reference to the instructions given to Thurber by the Client, communications between Thurber and the Client, and any other reports, proposals or documents prepared by Thurber for the Client relative to the specific site described herein, all of which together constitute the Report.

IN ORDER TO PROPERLY UNDERSTAND THE SUGGESTIONS, RECOMMENDATIONS AND OPINIONS EXPRESSED HEREIN, REFERENCE MUST BE MADE TO THE WHOLE OF THE REPORT. THURBER IS NOT RESPONSIBLE FOR USE BY ANY PARTY OF PORTIONS OF THE REPORT WITHOUT REFERENCE TO THE WHOLE REPORT.

3. BASIS OF REPORT

The Report has been prepared for the specific site, development, design objectives and purposes that were described to Thurber by the Client. The applicability and reliability of any of the findings, recommendations, suggestions, or opinions expressed in the Report, subject to the limitations provided herein, are only valid to the extent that the Report expressly addresses proposed development, design objectives and purposes, and then only to the extent that there has been no material alteration to or variation from any of the said descriptions provided to Thurber, unless Thurber is specifically requested by the Client to review and revise the Report in light of such alteration or variation.

4. USE OF THE REPORT

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. NO OTHER PARTY MAY USE OR RELY UPON THE REPORT OR ANY PORTION THEREOF WITHOUT THURBER'S WRITTEN CONSENT AND SUCH USE SHALL BE ON SUCH TERMS AND CONDITIONS AS THURBER MAY EXPRESSLY APPROVE. Ownership in and copyright for the contents of the Report belong to Thurber. Any use which a third party makes of the Report, is the sole responsibility of such third party. Thurber accepts no responsibility whatsoever for damages suffered by any third party resulting from use of the Report without Thurber's express written permission.

5. INTERPRETATION OF THE REPORT

- a) Nature and Exactness of Soil and Contaminant Description: Classification and identification of soils, rocks, geological units, contaminant materials and quantities have been based on investigations performed in accordance with the standards set out in Paragraph 1. Classification and identification of these factors are judgmental in nature. Comprehensive sampling and testing programs implemented with the appropriate equipment by experienced personnel may fail to locate some conditions. All investigations utilizing the standards of Paragraph 1 will involve an inherent risk that some conditions will not be detected and all documents or records summarizing such investigations will be based on assumptions of what exists between the actual points sampled. Actual conditions may vary significantly between the points investigated and the Client and all other persons making use of such documents or records with our express written consent should be aware of this risk and the Report is delivered subject to the express condition that such risk is accepted by the Client and such other persons. Some conditions are subject to change over time and those making use of the Report should be aware of this possibility and understand that the Report only presents the conditions at the sampled points at the time of sampling. If special concerns exist, or the Client has special considerations or requirements, the Client should disclose them so that additional or special investigations may be undertaken which would not otherwise be within the scope of investigations made for the purposes of the Report.
- b) Reliance on Provided Information: The evaluation and conclusions contained in the Report have been prepared on the basis of conditions in evidence at the time of site inspections and on the basis of information provided to Thurber. Thurber has relied in good faith upon representations, information and instructions provided by the Client and others concerning the site. Accordingly, Thurber does not accept responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of misstatements, omissions, misrepresentations, or fraudulent acts of the Client or other persons providing information relied on by Thurber. Thurber is entitled to rely on such representations, information and instructions and is not required to carry out investigations to determine the truth or accuracy of such representations, information and instructions.
- c) Design Services: The Report may form part of design and construction documents for information purposes even though it may have been issued prior to final design being completed. Thurber should be retained to review final design, project plans and related documents prior to construction to confirm that they are consistent with the intent of the Report. Any differences that may exist between the Report's recommendations and the final design detailed in the contract documents should be reported to Thurber immediately so that Thurber can address potential conflicts.
- d) Construction Services: During construction Thurber should be retained to provide field reviews. Field reviews consist of performing sufficient and timely observations of encountered conditions in order to confirm and document that the site conditions do not materially differ from those interpreted conditions considered in the preparation of the report. Adequate field reviews are necessary for Thurber to provide letters of assurance, in accordance with the requirements of many regulatory authorities.

6. RELEASE OF POLLUTANTS OR HAZARDOUS SUBSTANCES

Geotechnical engineering and environmental consulting projects often have the potential to encounter pollutants or hazardous substances and the potential to cause the escape, release or dispersal of those substances. Thurber shall have no liability to the Client under any circumstances, for the escape, release or dispersal of pollutants or hazardous substances, unless such pollutants or hazardous substances have been specifically and accurately identified to Thurber by the Client prior to the commencement of Thurber's professional services.

7. INDEPENDENT JUDGEMENTS OF CLIENT

The information, interpretations and conclusions in the Report are based on Thurber's interpretation of conditions revealed through limited investigation conducted within a defined scope of services. Thurber does not accept responsibility for independent conclusions, interpretations, interpolations and/or decisions of the Client, or others who may come into possession of the Report, or any part thereof, which may be based on information contained in the Report. This restriction of liability includes but is not limited to decisions made to develop, purchase or sell land.



APPENDIX A

Drawing No. 21720-1 – Overall Site Plan

Drawing No. 21720-1A – North Site Plan

Drawing No. 21720-1B – South Site Plan

Drawing No. 21720-2A – North Topography Map

Drawing No. 21720-2B – South Topography Map

Drawing No. 21720-3A – North Ground Surface Slope Map

Drawing No. 21720-3B – South Ground Surface Slope Map

Drawing No. 21720-4A – North Surficial Geology Map

Drawing No. 21720-4B – South Surficial Geology Map

Drawing No. 21720-5A – North Drift Thickness Map

Drawing No. 21720-5B – South Drift Thickness Map

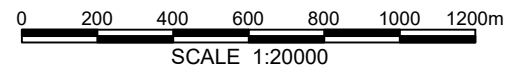
Drawing No. 21720-6A – North Bedrock Geology Map

Drawing No. 21720-6B – South Bedrock Geology Map



LEGEND

--- STUDY AREA



BASE PLAN PROVIDED BY PARKLAND COUNTY PARKLAND COUNTY

**HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA**

OVERALL SITE PLAN

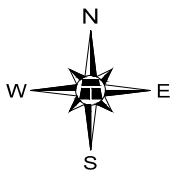
DWG No. 21720-1



DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:20 000
DATE	APRIL 2018
FILE No.	21720

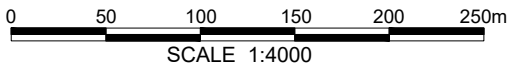


H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-1, 1A, 1B.dwg - 1A - Apr. 25, 2018



LEGEND

- STUDY AREA
- ✚ APPROXIMATE WATER WELL LOCATION



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

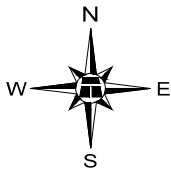
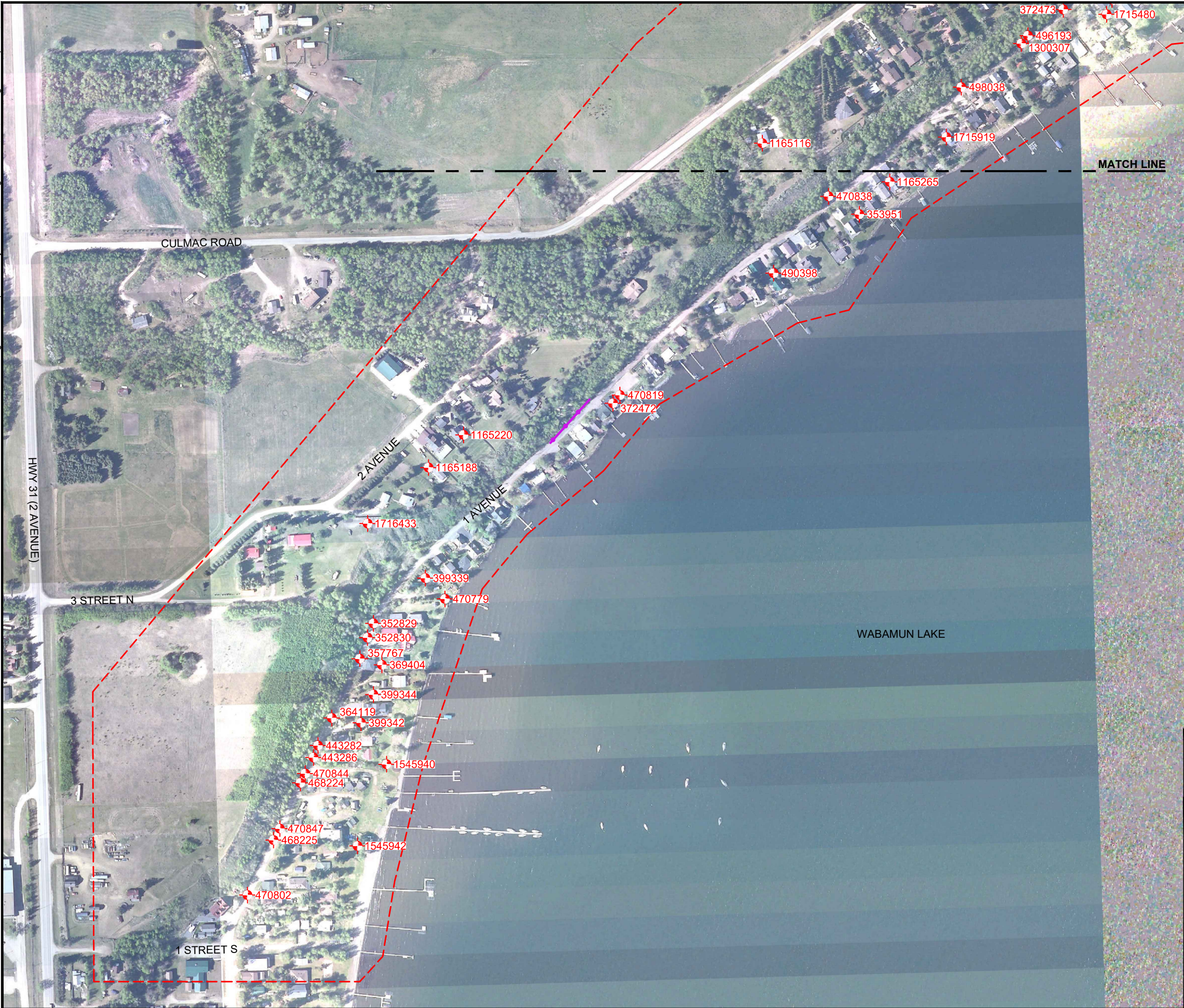
NORTH SITE PLAN

DWG No. 21720-1A

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720

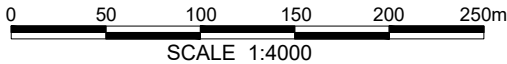


H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-1, 1A, 1B.dwg - 1B - Apr. 25, 2018



LEGEND

- STUDY AREA
- APPROXIMATE WATER WELL LOCATION
- FENCE



BASE PLAN PROVIDED BY PARKLAND COUNTY



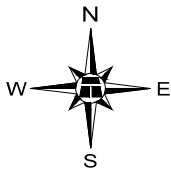
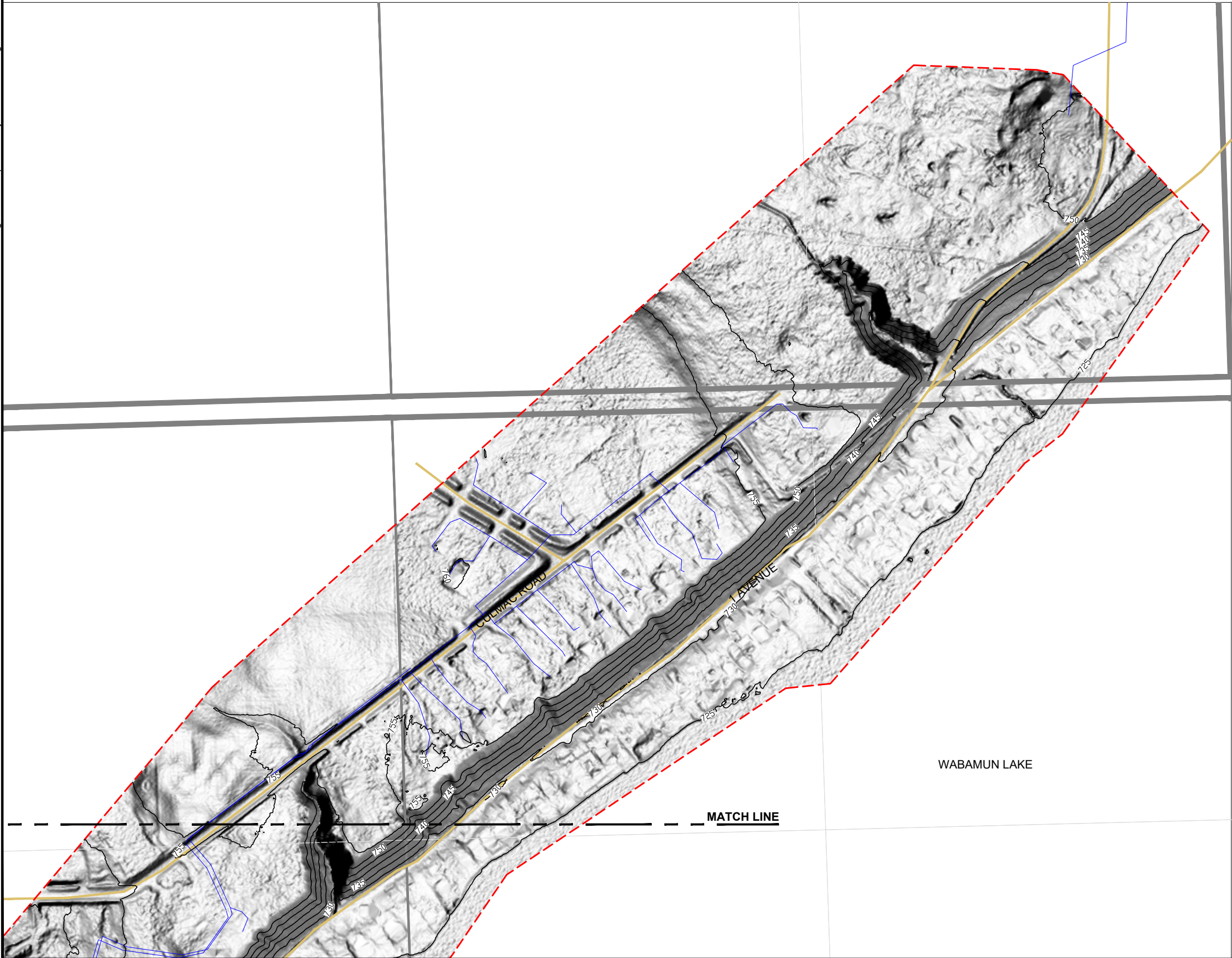
HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

SOUTH SITE PLAN

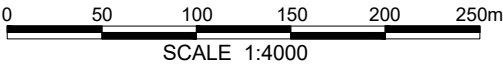
DWG No. 21720-1B

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720





- LEGEND**
- STUDY AREA
 - GROUND SURFACE CONTOURS (5m INTERVALS)



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

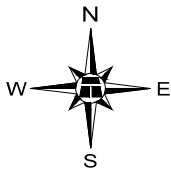
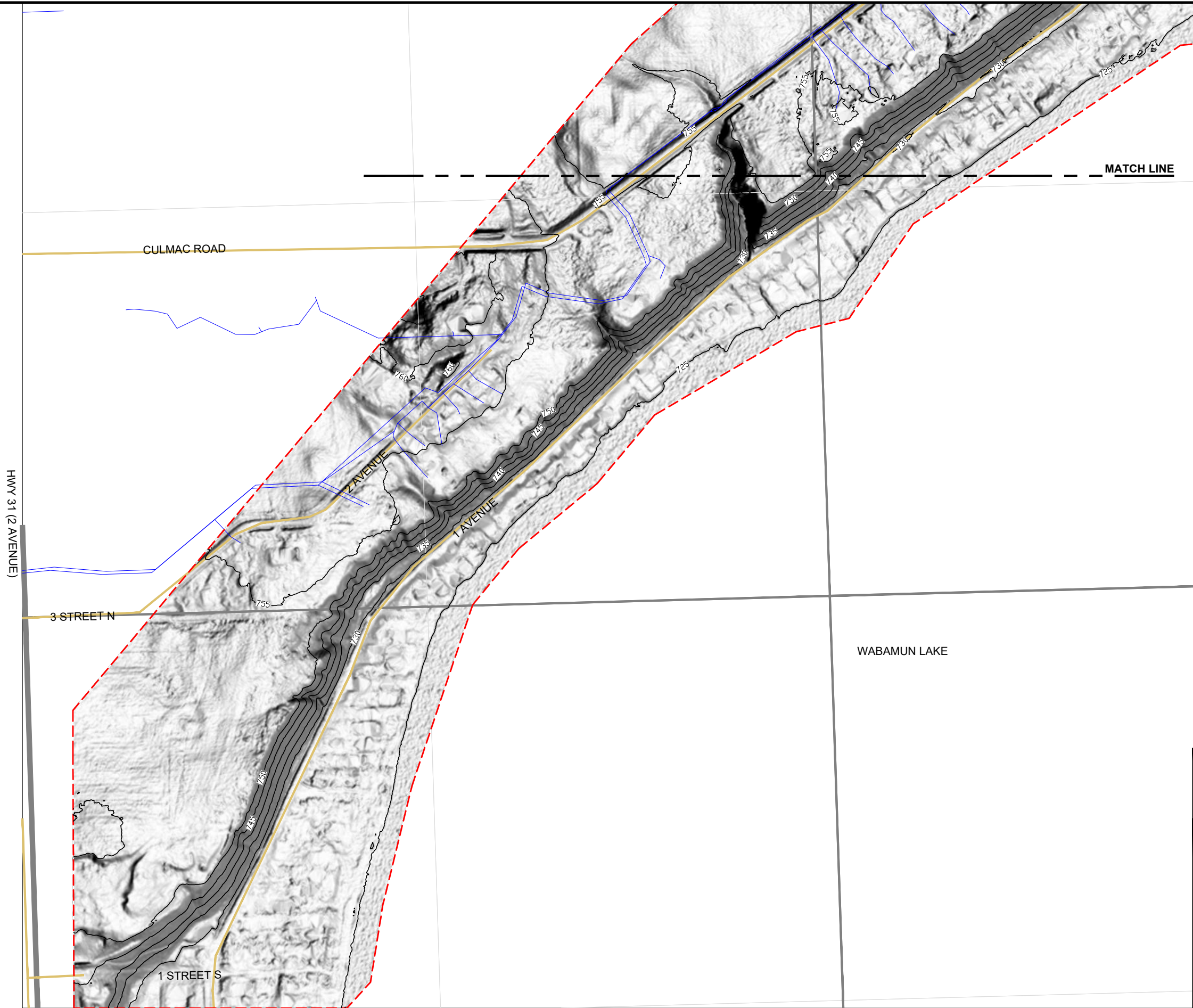
NORTH TOPOGRAPHY MAP

DWG No. 21720-2A

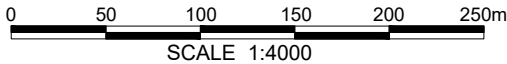
DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 2B - Apr. 25, 2018



- LEGEND**
- STUDY AREA
 - GROUND SURFACE CONTOURS (5m INTERVALS)



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

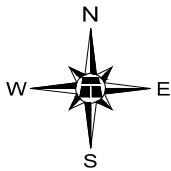
SOUTH TOPOGRAPHY MAP

DWG No. 21720-2B

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



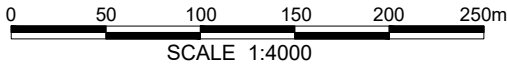
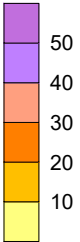
H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 3A - Apr. 25, 2018



LEGEND

--- STUDY AREA

GROUND
SURFACE SLOPE
(DEGREES)



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

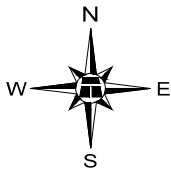
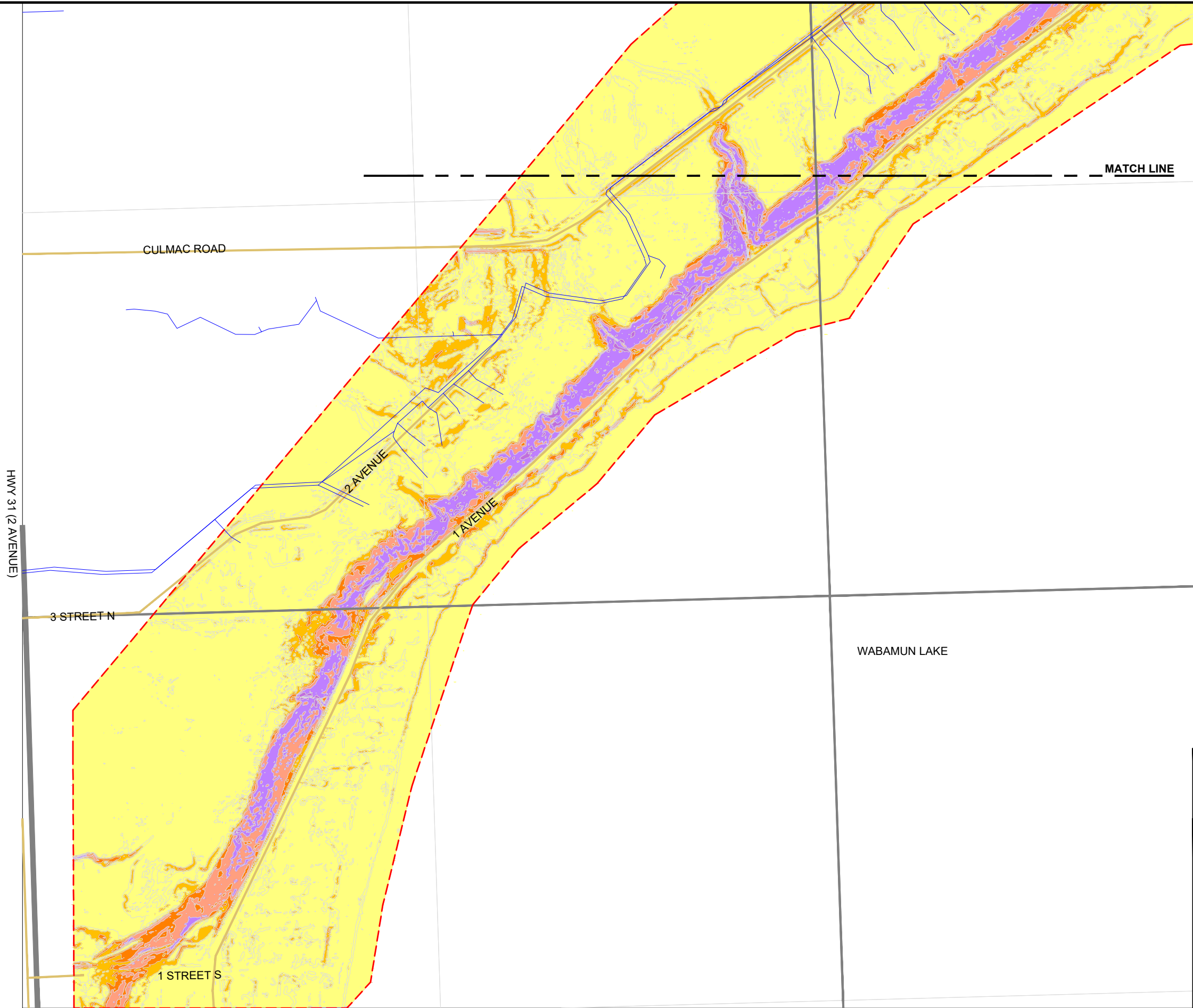
NORTH GROUND SURFACE SLOPE MAP

DWG No. 21720-3A

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



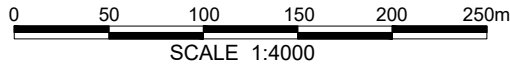
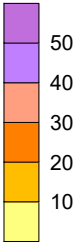
H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 3B - Apr. 25, 2018



LEGEND

--- STUDY AREA

GROUND
SURFACE SLOPE
(DEGREES)



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

SOUTH GROUND SURFACE SLOPE MAP

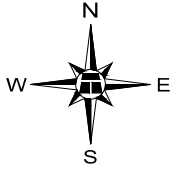
DWG No. 21720-3B

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



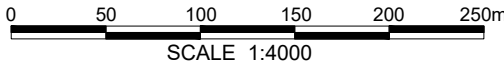
THURBER ENGINEERING LTD.

H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 4A - Apr. 25, 2018



LEGEND

- STUDY AREA
- APPROXIMATE TOP OF SLOPE
- LAKE
- LACUSTRINE DEPOSITS: INTERBEDDED SAND, GRAVEL, AND CLAY
- GLACIAL DEPOSITS: TILL, MIXTURE OF CLAY, SILT, AND SAND WITH BOULDERS
- COLLUVIUM: GRAVITATIONALLY MOVED WEATHERED BEDROCK
- EXPOSED BEDROCK: SANDSTONE AND SILTSTONE



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

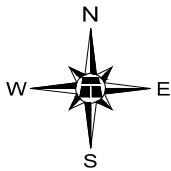
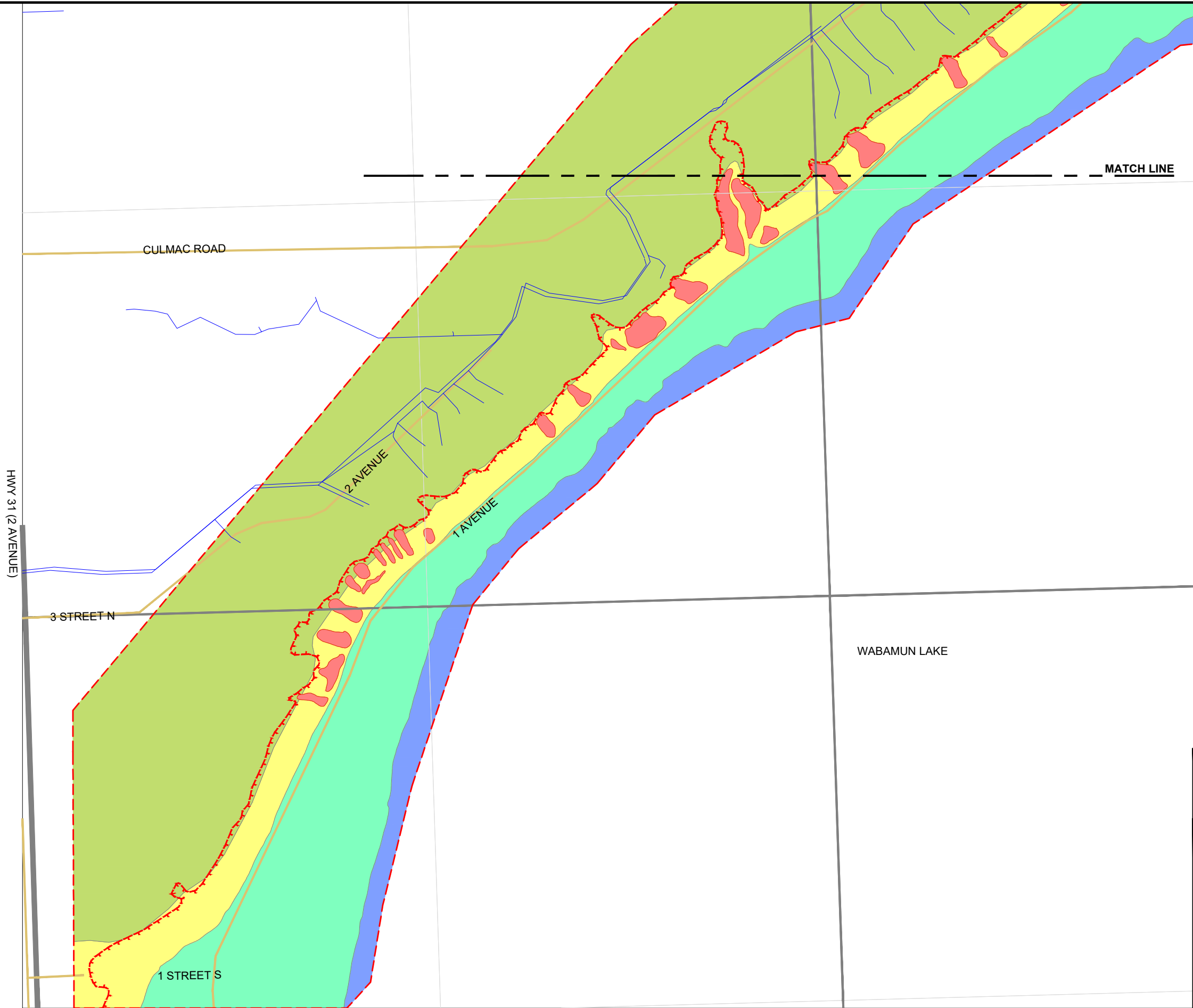
NORTH SURFICIAL GEOLOGY MAP

DWG No. 21720-4A

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720

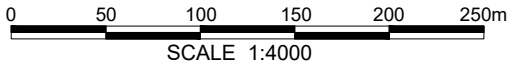


H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 4B - Apr. 25, 2018



LEGEND

- STUDY AREA
- - - APPROXIMATE TOP OF SLOPE
- LAKE
- LACUSTRINE DEPOSITS: INTERBEDDED SAND, GRAVEL, AND CLAY
- GLACIAL DEPOSITS: TILL, MIXTURE OF CLAY, SILT, AND SAND WITH BOULDERS
- COLLUVIUM: GRAVITATIONALLY MOVED WEATHERED BEDROCK
- EXPOSED BEDROCK: SANDSTONE AND SILTSTONE



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

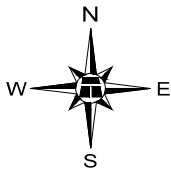
SOUTH SURFICIAL GEOLOGY MAP

DWG No. 21720-4B

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



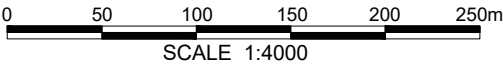
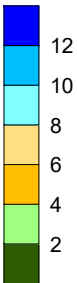
H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 5A - Apr. 25, 2018



LEGEND

- STUDY AREA
- APPROXIMATE TOP OF SLOPE
- LAKE
- EXPOSED BEDROCK

DRIFT
ISOPACH (m)



BASE PLAN PROVIDED BY PARKLAND COUNTY



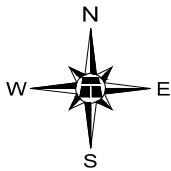
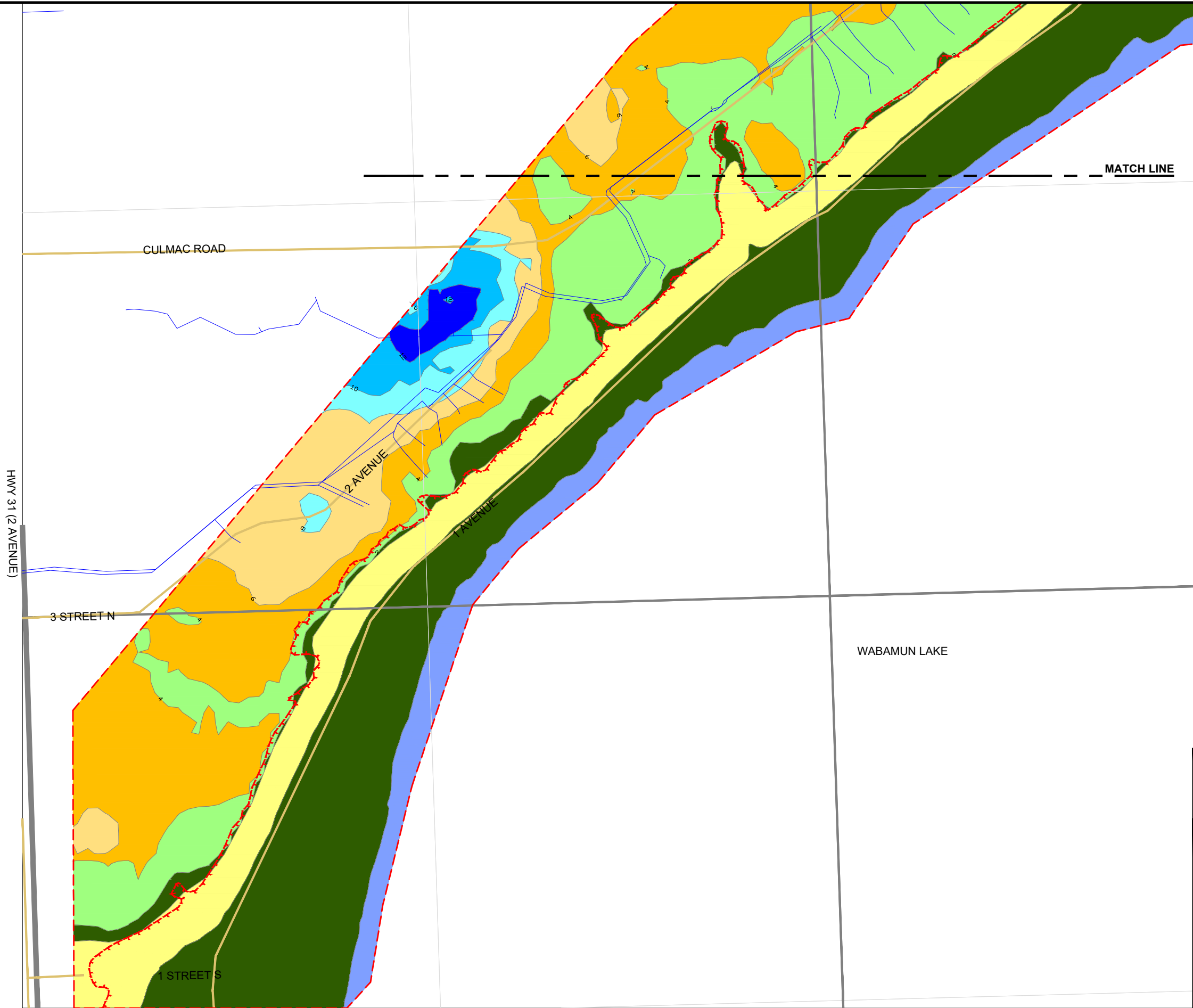
HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

NORTH DRIFT THICKNESS MAP

DWG No. 21720-5A

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720

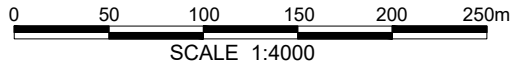
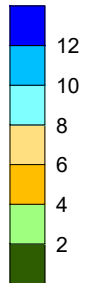




LEGEND

- STUDY AREA
- - - APPROXIMATE TOP OF SLOPE
- LAKE
- EXPOSED BEDROCK

DRIFT
ISOPACH (m)



BASE PLAN PROVIDED BY PARKLAND COUNTY



HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA

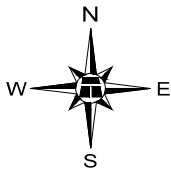
SOUTH DRIFT THICKNESS MAP

DWG No. 21720-5B

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



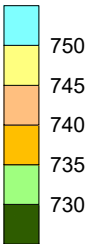
H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 6A - Apr. 25, 2018



LEGEND

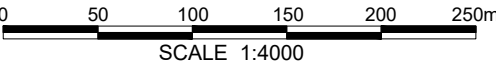
- STUDY AREA
- APPROXIMATE TOP OF SLOPE
- LAKE
- LACUSTRINE DEPOSITS: INTERBEDDED SAND, GRAVEL, AND CLAY

BEDROCK ELEVATION
(CONTOURS AT 5m
INTERVAL)



NOTES:
BEDROCK-PASKAPOO FORMATION: INTERBEDDED,
MASSIVE TO CROSSBEDDED HARD TO SOFT
SANDSTONE AND SILTSTONE WITH SHALE, COAL, AND
CONGLOMERATE.

BEDROCK TOPOGRAPHY CREATED BASED ON WATER
WELL RECORD DATA (ALBERTA WELL DRILLING
REPORT. <http://groundwater.alberta.ca/WaterWells/d/>



BASE PLAN PROVIDED BY PARKLAND COUNTY



**HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA**

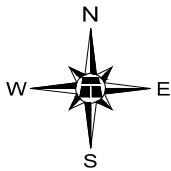
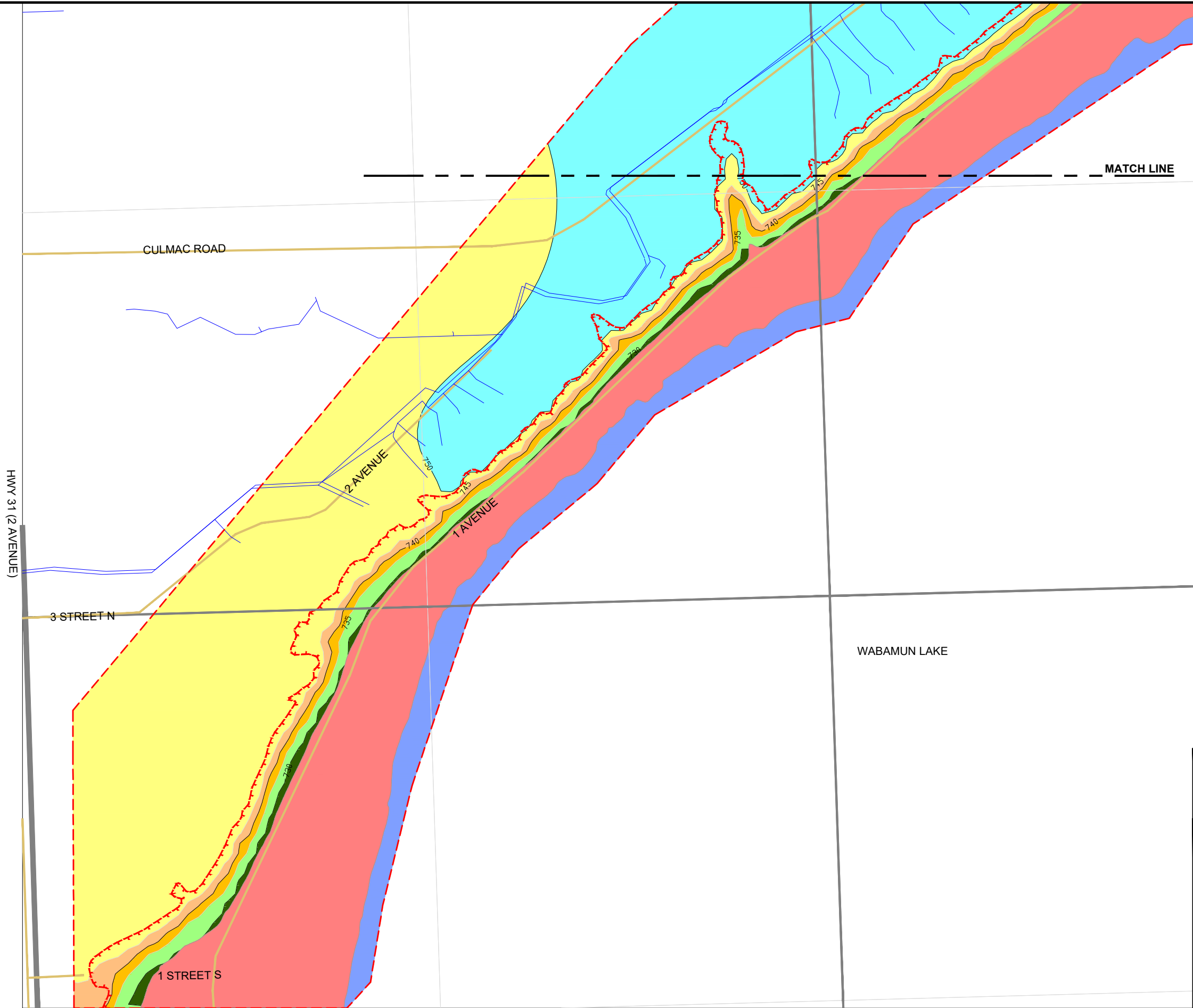
NORTH BEDROCK TOPOGRAPHY MAP

DWG No. 21720-6A

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720



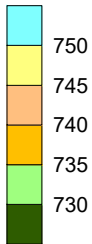
H:\21000\21720 Seba Beach high Level Slope Stability Review\Drafting\21720-2-6.dwg - 6B - Apr. 25, 2018



LEGEND

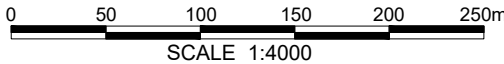
- STUDY AREA
- APPROXIMATE TOP OF SLOPE
- LAKE
- LACUSTRINE DEPOSITS: INTERBEDDED SAND, GRAVEL, AND CLAY

BEDROCK ELEVATION
(CONTOURS AT 5m
INTERVAL)



NOTES:
BEDROCK-PASKAPOO FORMATION: INTERBEDDED,
MASSIVE TO CROSSBEDDED HARD TO SOFT
SANDSTONE AND SILTSTONE WITH SHALE, COAL, AND
CONGLOMERATE.

BEDROCK TOPOGRAPHY CREATED BASED ON WATER
WELL RECORD DATA (ALBERTA WELL DRILLING
REPORT. <http://groundwater.alberta.ca/WaterWells/d/>



BASE PLAN PROVIDED BY PARKLAND COUNTY



**HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA**

SOUTH BEDROCK TOPOGRAPHY MAP

DWG No. 21720-6B

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:4000
DATE	APRIL 2018
FILE No.	21720





APPENDIX B

Water Well Records



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 350789
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/05/28

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
GINDER, STEFAN		11813 50 ST			EDMONTON		AB		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	10	4	1593HW			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569552 Longitude -114.721405					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
3.00		Brown Sandy Clay			
9.00		Clay			
24.00		Brown Sand			
68.00		Brown Sand			
92.00		Brown Sand			
94.00		Gray Sandstone			
99.00		Gray Sand			
100.00		Gray Sandstone			
106.00		Gray Fine Grained Sand			
107.00		Gray Sandstone			
124.00		Gray Sand			
134.00		Coarse Grained Sand			
136.00		Gray Shale			
137.00		Gray Sandy Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 0.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1990/02/07	20.00	78.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
137.00 ft		1990/02/07	1990/02/07		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	137.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	5.50 in	Size OD :	4.50 in		
Wall Thickness :	0.375 in	Wall Thickness :	0.250 in		
Bottom at :	101.00 ft	Top at :	97.00 ft		
			Bottom at :	137.00 ft	
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
117.00	137.00	0.250		12.00	
Perforated by Machine					
Annular Seal Driven					
Placed from 0.00 ft to 101.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount 0.00					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name MORRILL'S WATER WELL DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 350789
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/05/28

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
GINDER, STEFAN		11813 50 ST			EDMONTON		AB		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	10	4	1593HW			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569552 Longitude -114.721405					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial		
Distance From Top of Casing to Ground Level in												
Is Artesian Flow										Is Flow Control Installed		
Rate igpm										Describe		
Recommended Pump Rate					0.00 igpm					Pump Installed	Depth ft	
Recommended Pump Intake Depth (From TOC)					0.00 ft					Type	Make H.P.	
										Model (Output Rating)		
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion		
Gas					Depth ft					Geophysical Log Taken		
										Submitted to ESRD		
Additional Comments on Well										Sample Collected for Potability		Submitted to ESRD
Well located at Skyland Gardens, Seba Beach.												

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1990/02/07	12:00 AM	78.00 ft		
			Drawdown (ft)	Elapsed Time
				Minutes:Sec
Method of Water Removal				
Type Air				
Removal Rate 20.00 igpm				
Depth Withdrawn From 110.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 352829
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/11/19

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
CRAIG, P.		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation		
ft from					Latitude 53.562640 Longitude -114.733470					ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
8.00		Sand			
14.00		Clay			
26.00		Sand			
52.00		Silty Clay			
68.00		Gray Clayey Sand			
77.00		Coal			
85.00		Gray Shale			
87.00		Coal			
90.00		Gray Shale			
116.00		Blue Fine Grained Sandstone			
120.00		Light Gray Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate			0.00 igpm		
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1990/05/29	2.00	6.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
120.00 ft		1990/05/28	1990/05/29		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	120.00			
Surface Casing (if applicable)			Well Casing/Liner		
Galvanized Steel					
Size OD :	4.50 in	Size OD :	0.00 in		
Wall Thickness :	0.156 in	Wall Thickness :	0.000 in		
Bottom at :	93.00 ft	Top at :	0.00 ft		
		Bottom at :	0.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal Driven					
Placed from 0.00 ft to 82.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount 0.00					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 352829
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/11/19

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
CRAIG, P.		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562640 Longitude -114.733470					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate 0.00 igpm										
Pump Installed										
Depth ft										
Recommended Pump Intake Depth (From TOC) 80.00 ft										
Type										
Make										
H.P.										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1990/05/29	12:00 AM	6.00 ft		
			Drawdown (ft)	Recovery (ft)
			Elapsed Time	
			Minutes:Sec	
Method of Water Removal				
Type Pump				
Removal Rate 2.00 igpm				
Depth Withdrawn From 80.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 352830
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/11/19

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address		Town		Province		Country		Postal Code	
MELNER, JAY		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562512 Longitude -114.733567					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
5.00		Sand	
26.00		Blue Clay	
42.00		Blue Sandy Clay	
51.00		Blue Clay	
62.00		Sand	
68.00		Coal	
77.00		Blue Clay	
83.00		Gray Shale	
90.00		Coal	
97.00		Blue Sandstone	
100.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			12.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1990/09/08	12.00	4.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
100.00 ft		1990/09/08	1990/09/08
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	100.00	
Surface Casing (if applicable)		Well Casing/Liner	
Galvanized Steel		Plastic	
Size OD :	4.50 in	Size OD :	3.50 in
Wall Thickness :	0.156 in	Wall Thickness :	0.250 in
Bottom at :	80.00 ft	Top at :	80.00 ft
		Bottom at :	100.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
85.00	95.00	0.125	8.00
Perforated by Other			
Annular Seal Driven			
Placed from 0.00 ft to 79.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount 0.00			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 352830
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1990/11/19

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MELNER, JAY		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562512 Longitude -114.733567					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										Is Flow Control Installed
Rate igpm										Describe
Recommended Pump Rate 12.00 igpm										Pump Installed Yes
Recommended Pump Intake Depth (From TOC) 68.00 ft										Depth ft
										Type SUB
										Make
										H.P.
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft
Gas										Depth ft
										Well Disinfected Upon Completion
										Geophysical Log Taken
										Submitted to ESRD
Additional Comments on Well										Sample Collected for Potability
										Submitted to ESRD

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1990/09/08	12:00 AM	4.00 ft		
Method of Water Removal				
Type Air				
Removal Rate 12.00 igpm				
Depth Withdrawn From 60.00 ft				
If water removal period was < 2 hours, explain why				

Drawdown (ft)	Elapsed Time Minutes:Sec	Recovery (ft)
0.00	0:00	40.00
0.00	1:00	18.00
0.00	3:00	7.00
0.00	6:00	4.00
0.00	30:00	4.00
0.00	120:00	0.00

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
UNKNOWN NA DRILLER		1
Company Name		Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.		Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 353950
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1991/01/10

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
CAMERON		789 1ST AVE, SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		16	7	53	5	5	12	3	8464ET			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.569721 Longitude -114.718667					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
6.00		Sand & Rocks			
16.00		Hard Sandstone			
30.00		Soft Sandstone			
34.00		Soft Shale			
37.00		Sandstone			
44.00		Siltstone			
48.00		Gray Soft Sandstone			
68.00		Greenish Gray Soft Sandstone			
71.00		Shale			
72.00		Hard Shale			
75.00		Coal			
78.00		Shale			
83.00		Coal			
85.00		Shale			
90.00		Coal			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 8.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1990/10/16	10.00	4.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
90.00 ft		1990/10/15	1990/10/16		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	90.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	4.50 in		
Wall Thickness :	0.432 in	Wall Thickness :	0.237 in		
Bottom at :	72.00 ft	Top at :	70.00 ft		
		Bottom at :	90.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
70.00	90.00	0.020		2.00	
Perforated by Machine					
Annular Seal Driven					
Placed from 0.00 ft to 71.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount 0.00					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name BAR K DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 353950
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1991/01/10

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
CAMERON		789 1ST AVE, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	16	7	53	5	5	12	3	8464ET			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569721 Longitude -114.718667					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate					8.00 igpm					Pump Installed	Depth ft
Recommended Pump Intake Depth (From TOC)					0.00 ft					Type	Make H.P.
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion	
Gas					Depth ft					Geophysical Log Taken	
										Submitted to ESRD	
Additional Comments on Well										Sample Collected for Potability Submitted to ESRD	

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1990/10/16	12:00 AM	4.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Pump				
Removal Rate 10.00 igpm				
Depth Withdrawn From 50.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner Date approval holder signed
BAR K DRILLING LTD.	



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 353951
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1991/01/10

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
WACKEN		557 1 AVE, SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		10	7	53	5	5	4	1	5731CA			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.566248 Longitude -114.725788					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
7.00		Sand			
35.00		Sandy Clay			
45.00		Green Sandstone			
48.00		Gray Hard Sandstone			
58.00		Green Sandstone			
68.00		Gray Soft Sandstone			
75.00		Sandstone			
78.00		Coal			
79.00		Shale			
81.00		Coal			
85.00		Shale			
90.00		Coal			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1990/10/12	10.00	4.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
90.00 ft		1990/10/12	1990/10/12		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	90.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD : 6.00 in			Size OD : 4.50 in		
Wall Thickness : 0.432 in			Wall Thickness : 0.237 in		
Bottom at : 73.00 ft			Top at : 70.00 ft		
			Bottom at : 90.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
70.00	90.00	0.020		2.00	
Perforated by Machine					
Annular Seal Driven					
Placed from 0.00 ft to 72.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount 0.00					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BAR K DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 353951
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1991/01/10

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
WACKEN		557 1 AVE, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	10	7	53	5	5	4	1	5731CA			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.566248 Longitude -114.725788					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate					10.00 igpm					Pump Installed	Depth ft
Recommended Pump Intake Depth (From TOC)					0.00 ft					Type	Make H.P.
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion	
Gas					Depth ft					Geophysical Log Taken	
										Submitted to ESRD	
Additional Comments on Well										Sample Collected for Potability Submitted to ESRD	

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1990/10/12	12:00 AM	4.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Pump				
Removal Rate 10.00 igpm				
Depth Withdrawn From 30.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner Date approval holder signed
BAR K DRILLING LTD.	



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 357767
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1983/10/31

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
SMITH, BRIAN		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562321 Longitude -114.733696					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
34.00		Sand	
47.00		Brown Sandstone	
68.00		Coal	
73.00		Sand & Rocks	
82.00		Gray Shale	
98.00		Shale & Coal	
100.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			8.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1983/08/11	8.00	14.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
100.00 ft		1983/08/10	1983/08/11	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	100.00		
Surface Casing (if applicable)		Well Casing/Liner		
Galvanized Steel				
Size OD :	4.50 in	Size OD :	0.00 in	
Wall Thickness :	0.141 in	Wall Thickness :	0.000 in	
Bottom at :	76.00 ft	Top at :	0.00 ft	
		Bottom at :	0.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
Perforated by				
Annular Seal Driven				
Placed from 0.00 ft to 75.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount 0.00				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 357767
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1983/10/31

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
SMITH, BRIAN		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562321 Longitude -114.733696					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										Is Flow Control Installed
Rate igpm										Describe
Recommended Pump Rate 8.00 igpm										Pump Installed Yes
Recommended Pump Intake Depth (From TOC) 72.00 ft										Depth ft
										Type SUB
										Make
										H.P. .33
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft
Gas										Depth ft
										Well Disinfected Upon Completion
										Geophysical Log Taken
										Submitted to ESRD
Additional Comments on Well										Sample Collected for Potability
										Submitted to ESRD

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1983/08/11	12:00 AM	14.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Air				
Removal Rate 8.00 igpm				
Depth Withdrawn From 70.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 360026
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/10/17

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address			Town		Province		Country	Postal Code
TIMOTEO, ENZO		(SKYLAND GARDENS)2812 118 ST, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5	6	4	1593HW		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation _____ ft		
_____ ft from				Latitude 53.569254 Longitude -114.721912				How Location Obtained		
_____ ft from				Lat/Long calculated to centre of lot				Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
9.00		Clay & Sand	
46.00		Brown Sand	
47.00		Brown Sandstone	
63.00		Brown Sand	
68.00		Brown Sandstone	
101.00		Brown Sand	
110.00		Gray Fine Grained Sand	
124.00		Gray Sandstone	
126.00		Gray Shale	
135.00		Gray Fine Grained Sand	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate 10.00 igpm			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1988/08/23	17.00	81.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
135.00 ft		1988/08/23	1988/08/23
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	135.00	
Surface Casing (if applicable)		Well Casing/Liner	
Plastic		Plastic	
Size OD :	5.56 in	Size OD :	4.50 in
Wall Thickness :	0.375 in	Wall Thickness :	0.250 in
Bottom at :	105.00 ft	Top at :	100.00 ft
		Bottom at :	135.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
100.00	135.00	0.250	12.00
Perforated by Machine			
Annular Seal Driven			
Placed from 0.00 ft to 105.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount 0.00			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 360026
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/10/17

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address			Town		Province		Country	Postal Code
TIMOTEO, ENZO		(SKYLAND GARDENS)2812 118 ST, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5	6	4	1593HW		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation _____ ft		
_____ ft from				Latitude 53.569254 Longitude -114.721912				How Elevation Obtained		
_____ ft from				How Location Obtained				Not Obtained		
Lat/Long calculated to centre of lot										
Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level _____ in										
Is Artesian Flow _____										
Rate _____ igpm										
Is Flow Control Installed _____										
Describe _____										
Recommended Pump Rate		10.00 igpm		Pump Installed		Yes		Depth _____ ft		
Recommended Pump Intake Depth (From TOC)		110.00 ft		Type		GOULDS		Make 7G05412 H.P. .5		
Model (Output Rating) _____										
Did you Encounter Saline Water (>4000 ppm TDS) _____				Depth _____ ft		Well Disinfected Upon Completion _____				
Gas _____				Depth _____ ft		Geophysical Log Taken _____				
Submitted to ESRD _____										
Sample Collected for Potability _____ Submitted to ESRD _____										
Additional Comments on Well										
6 5/8 STEEL PROTECTOR										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1988/08/23	12:00 AM	81.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Air				
Removal Rate		17.00 igpm		
Depth Withdrawn From		110.00 ft		
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner Date approval holder signed
MORRILL'S WATER WELL DRILLING LTD.	



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 362770
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1992/02/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
NARBONNE, MARCEL		P.O. BOX 354 SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
16		7	53	5	5	6	3	8464ET				
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.569133 Longitude -114.719488					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
18.00		Black Sand			
44.00		Yellow Clay			
45.00		Gray Sandy Shale			
60.00		Yellow Clay			
66.00		Yellow Sandy Shale			
70.00		Greenish Gray Shale			
71.00		Dark Brown Shale			
115.00		Coal			
120.00		Brown Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 0.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1991/11/29	14.00	4.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
120.00 ft		1991/11/28	1991/11/29		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	120.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	5.00 in		
Wall Thickness :	0.360 in	Wall Thickness :	0.260 in		
Bottom at :	67.00 ft	Top at :	57.00 ft		
			Bottom at : 117.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
57.00	117.00	0.062		12.00	
Perforated by Saw					
Annular Seal Formation Seal					
Placed from 0.00 ft to 67.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount 0.00					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 362770
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1992/02/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address			Town		Province		Country	Postal Code
NARBONNE, MARCEL		P.O. BOX 354 SEBA BEACH								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	16	7	53	5	5	6	3	8464ET		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)						
ft from				Latitude 53.569133 Longitude -114.719488				Elevation ft		
ft from				How Location Obtained				How Elevation Obtained		
				Lat/Long calculated to centre of lot				Not Obtained		

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate 0.00 igpm										
Pump Installed										
Depth ft										
Recommended Pump Intake Depth (From TOC) 0.00 ft										
Type										
Make										
H.P.										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1991/11/29	12:00 AM	4.00 ft		
			Drawdown (ft)	Recovery (ft)
			Elapsed Time	
			Minutes:Sec	
Method of Water Removal				
Type Bailer & Air				
Removal Rate 14.00 igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 364119
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1992/04/13

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
COOPER, TOM		GEN DEL, SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.561786 Longitude -114.734157					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic & Stock	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
30.00		Sand			
40.00		Blue Clay			
43.00		Sandstone			
46.00		Blue Clay			
52.00		Yellow Sandstone			
63.00		Coal			
74.00		Blue Clay			
80.00		Gray Shale			
94.00		Brown Shale & Coal			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 0.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1992/03/27	14.00	25.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
94.00 ft		1992/03/27	1992/03/27		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	94.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	5.00 in		
Wall Thickness :	0.360 in	Wall Thickness :	0.260 in		
Bottom at :	75.00 ft	Top at :	62.00 ft		
		Bottom at :	91.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
62.00	91.00	0.062		12.00	
Perforated by Machine					
Annular Seal Formation Seal					
Placed from 0.00 ft to 75.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount 0.00					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name GERALD MCGINN DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 364119
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1992/04/13

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
COOPER, TOM		GEN DEL, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561786 Longitude -114.734157					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate					0.00 igpm		Pump Installed		Depth ft		
Recommended Pump Intake Depth (From TOC)					0.00 ft		Type		Make H.P.		
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft		Well Disinfected Upon Completion				
Gas					Depth ft		Geophysical Log Taken				
										Submitted to ESRD	
Additional Comments on Well										Sample Collected for Potability	Submitted to ESRD

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1992/03/27	12:00 AM	25.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Bailer & Air				
Removal Rate 14.00 igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 369404
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1993/06/23

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address			Town		Province		Country	Postal Code
CALEY		279 1 ST AVE, SEBA BEACH NORTH								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	5	7	53	5	5	7	2	2423AR		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)						
ft from				Latitude 53.562258 Longitude -114.733358				Elevation ft		
ft from				How Location Obtained				How Elevation Obtained		
				Lat/Long calculated to centre of lot				Not Obtained		

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate		3.00 igpm			Pump Installed		Depth		ft	
Recommended Pump Intake Depth (From TOC)		80.00 ft			Type		Make		H.P.	
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										
Gas										
Depth ft										
Well Disinfected Upon Completion										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1993/06/03	12:00 AM	6.00 ft		
			Drawdown (ft)	Elapsed Time
				Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Air				
Removal Rate 3.00 igpm				
Depth Withdrawn From 80.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 372472
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1993/08/23

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
BURKE PERRY HOMES/DAVIDSON, B.		P.O. BOX 5903 RIVERBEND POSTAL OUTLET, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
11		7	53	5	5	8	2	3279CL		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation _____ ft		
_____ ft from				Latitude 53.564588 Longitude -114.729675				How Location Obtained		
_____ ft from				Lat/Long calculated to centre of lot				Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
9.00		Boulders	
18.00		Yellow Sandy Clay	
20.00		Brown Shale	
35.00		Yellow Sandy Shale	
62.00		Coal	
72.00		Gray Shale	
90.00		Coal	
94.00		Green Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate 14.00 igpm			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1993/06/22	14.00	12.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
94.00 ft		1993/06/21	1993/06/22
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	94.00	
Surface Casing (if applicable)		Well Casing/Liner	
Plastic		Plastic	
Size OD :	6.00 in	Size OD :	5.00 in
Wall Thickness :	0.360 in	Wall Thickness :	0.260 in
Bottom at :	64.00 ft	Top at :	53.00 ft
		Bottom at :	91.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
53.00	91.00	0.062	12.00
Perforated by Saw			
Annular Seal Formation Seal			
Placed from 0.00 ft to 64.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name GERALD MCGINN DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 372472
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1993/08/23

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
BURKE PERRY HOMES/DAVIDSON, B.		P.O. BOX 5903 RIVERBEND POSTAL OUTLET, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	11	7	53	5	5	8	2	3279CL		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation _____ ft		
_____ ft from				Latitude 53.564588 Longitude -114.729675				How Elevation Obtained		
_____ ft from				How Location Obtained				Not Obtained		
Lat/Long calculated to centre of lot										
Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level _____ in										
Is Artesian Flow _____										
Rate _____ igpm										
Is Flow Control Installed _____										
Describe _____										
Recommended Pump Rate		14.00 igpm		Pump Installed		Depth		ft		
Recommended Pump Intake Depth (From TOC)		20.00 ft		Type		Make		H.P.		
Model (Output Rating) _____										
Did you Encounter Saline Water (>4000 ppm TDS)		_____		Depth		ft		Well Disinfected Upon Completion		
Gas		_____		Depth		ft		Geophysical Log Taken		
Submitted to ESRD										
Sample Collected for Potability _____										
Submitted to ESRD _____										
Additional Comments on Well										
GIC CHANGED LOCATION ON 2014-06-12 FROM SW TO AGREE WITH LAND TITLES.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1993/06/22	12:00 AM	12.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Bailer & Air				
Removal Rate		14.00 igpm		
Depth Withdrawn From		0.00 ft		
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 372473
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1993/08/23

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
DEANE, GORDON/NOLA		12308 ASPEN DR WEST,										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5				6842ET			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.568066 Longitude -114.722548					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
25.00		Sand			
50.00		Blue Soft Clay			
54.00		Sandstone			
88.00		Yellow Sandy Shale			
93.00		Greenish Gray Shale			
113.00		Brown Shale & Coal			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 20.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1993/08/16	20.00	15.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
113.00 ft		1993/08/16	1993/08/16		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	113.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	5.00 in		
Wall Thickness :	0.360 in	Wall Thickness :	0.260 in		
Bottom at :	90.00 ft	Top at :	85.00 ft		
		Bottom at :	110.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
85.00	110.00	0.062		12.00	
Perforated by Saw					
Annular Seal Formation Seal					
Placed from 0.00 ft to 90.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 372473
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1993/08/23

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
DEANE, GORDON/NOLA		12308 ASPEN DR WEST, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5			6842ET		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation		
ft from				Latitude 53.568066 Longitude -114.722548				ft		
ft from				How Location Obtained				How Elevation Obtained		
				Map				Not Obtained		
Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level										in
Is Artesian Flow										
Rate										igpm
Is Flow Control Installed										
Describe										
Recommended Pump Rate					20.00 igpm		Pump Installed		Depth	
Recommended Pump Intake Depth (From TOC)					15.00 ft		Type		Make	
									H.P.	
									Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth		ft		Well Disinfected Upon Completion	
Gas					Depth		ft		Geophysical Log Taken	
									Submitted to ESRD	
Additional Comments on Well					Sample Collected for Potability		Submitted to ESRD			
GIC CHANGED LOCATION ON 2014-06-12 FROM SW TO AGREE WITH MAP.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1993/08/16	12:00 AM	15.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Bailer & Air				
Removal Rate 20.00 igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 399339
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1994/12/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
FRICKE, GORDON		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		12	7	53	5	5	1A	1	2156CL			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation		
ft from					Latitude 53.563040 Longitude -114.732647					ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
4.00		Till			
11.00		Sand			
35.00		Brown Sandstone			
59.00		Coal			
68.00		Gray Shale			
80.00		Coal			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1994/06/16	10.00	6.30			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
80.00 ft		1994/06/16	1994/06/16		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	80.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	5.00 in	Size OD :	3.50 in		
Wall Thickness :	0.250 in	Wall Thickness :	0.250 in		
Bottom at :	66.00 ft	Top at :	63.00 ft		
			Bottom at : 80.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
67.00	80.00	0.125		8.00	
Perforated by Saw					
Annular Seal Shale Trap & Bentonite					
Placed from 45.00 ft to 65.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 399342
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1994/12/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
WALTON		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		5	7	53	5	5	3	2	2423AR			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.561733 Longitude -114.733709					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
4.00		Till			
15.00		Brown Sand			
32.00		Brown Sandstone			
55.00		Coal			
66.00		Shale			
79.00		Coal			
85.00		Shale			
91.00		Brown Shale			
98.00		Gray Shale			
103.00		Blue Shale & Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 2.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1994/06/11		7.50			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
103.00 ft		1994/06/11	1994/06/11		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	103.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic					
Size OD :	5.00 in	Size OD :	in		
Wall Thickness :	0.250 in	Wall Thickness :	in		
Bottom at :	62.00 ft	Top at :	0.00 ft		
			Bottom at : ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal Shale Trap & Bentonite					
Placed from 41.00 ft to 61.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name BLAKEMAN'S DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 399342
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1994/12/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
WALTON		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5	3	2	2423AR			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561733 Longitude -114.733709					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level 18.00 in										
Is Artesian Flow					Is Flow Control Installed					
Rate igpm					Describe					
Recommended Pump Rate					2.00 igpm		Pump Installed		Depth ft	
Recommended Pump Intake Depth (From TOC)					59.00 ft		Type		Make H.P.	
									Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft		Well Disinfected Upon Completion			
Gas					Depth ft		Geophysical Log Taken Gamma			
							Submitted to ESRD Gamma			
					Sample Collected for Potability		Submitted to ESRD			
Additional Comments on Well										
GIC CHANGED LOCATION ON 2014-04-17 FROM NW 12 TO AGREE WITH LAND TITLES.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1994/06/11	12:00 AM	7.50 ft		
Method of Water Removal				
Type Air				
Removal Rate igpm				
Depth Withdrawn From 60.00 ft				
If water removal period was < 2 hours, explain why				
			Drawdown (ft)	Elapsed Time Minutes:Sec
				Recovery (ft)
				0:00 60.00
				2:00 54.00
				4:00 50.00
				6:00 46.00
				10:00 39.00
				20:00 24.00
				30:00 19.00
				60:00 11.00
				120:00 7.60

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
UNKNOWN NA DRILLER		1
Company Name		Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.		Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 399344
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1994/12/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
MALLETT		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		5	7	53	5	5	5	2	2423AR			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.561988 Longitude -114.733505					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
3.00		Till			
16.00		Sand			
26.00		Brown Sandstone			
29.00		Gravel			
31.00		Sandstone			
53.00		Coal			
64.00		Gray Shale			
75.00		Coal			
79.00		Gray Shale			
83.00		Blue Sandstone			
90.00		Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 3.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1994/06/11	3.00	6.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
90.00 ft		1994/06/10	1994/06/10		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	90.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic					
Size OD :	5.00 in	Size OD :	in		
Wall Thickness :	0.250 in	Wall Thickness :	in		
Bottom at :	62.00 ft	Top at :	0.00 ft		
			Bottom at : ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal Shale Trap & Bentonite					
Placed from 41.00 ft to 61.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name BLAKEMAN'S DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 399344
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1994/12/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MALLETT		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5	5	2	2423AR			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561988 Longitude -114.733505					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level 16.00 in										
Is Artesian Flow										Is Flow Control Installed
Rate igpm										Describe
Recommended Pump Rate 3.00 igpm										Pump Installed Yes
Recommended Pump Intake Depth (From TOC) 58.00 ft										Depth 0.05 ft
										Type
										Make
										H.P.
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft
Gas										Depth ft
										Well Disinfected Upon Completion
										Geophysical Log Taken
										Submitted to ESRD
Additional Comments on Well										Sample Collected for Potability
										Submitted to ESRD
GIC CHANGED LOCATION ON 2014-04-17 FROM NW 12 TO AGREE WITH LAND TITLES.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1994/06/11	12:00 AM	6.00 ft		
Method of Water Removal			Drawdown (ft)	Elapsed Time
Type Pump				Minutes:Sec
Removal Rate 3.00 igpm				0:00
Depth Withdrawn From 60.00 ft				2:00
				4:00
				10:00
				20:00
				60:00
				120:00
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 400388
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1995/03/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial			
Owner Name		Address			Town		Province		Country		Postal Code		
DEROSA, TONY		SKYLAND GARDENS 11616 26 AVE, EDMONTON											
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description			
		15	7	53	5	5	4	4	1593HW				
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation				ft	
ft from				Latitude 53.569473 Longitude -114.721296				How Location Obtained				How Elevation Obtained	
ft from				Lat/Long calculated to centre of lot				Not Obtained					

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
12.00		Brown Sandy Clay			
34.00		Brown Sand			
36.00		Gray Sandstone			
55.00		Brown Sand			
57.00		Brownish Gray Sandstone			
79.00		Brown Coarse Grained Sand			
87.00		Brown Sandy Shale			
104.00		Brown Sand			
106.00		Brownish Gray Sand			
114.00		Gray Fine Grained Sand			
123.00		Coarse Grained Sand			
127.00		Gray Shale			
138.00		Gray Sandy Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate			15.00 igpm		
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1993/03/05	20.00	81.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
138.00 ft		1993/03/05	1993/03/05		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	138.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :		5.50 in	Size OD :		4.50 in
Wall Thickness :		0.375 in	Wall Thickness :		0.250 in
Bottom at :		108.00 ft	Top at :		106.00 ft
			Bottom at :		138.00 ft
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
113.00	138.00	0.250		12.00	
Perforated by Machine					
Annular Seal Driven					
Placed from 0.00 ft to 108.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 400388
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1995/03/07

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name DEROSA, TONY		Address SKYLAND GARDENS 11616 26 AVE, EDMONTON			Town		Province		Country	Postal Code	
Location	1/4 or LSD 15	SEC 7	TWP 53	RGE 5	W of MER 5	Lot 4	Block 4	Plan 1593HW	Additional Description		
Measured from Boundary of ft from ft from				GPS Coordinates in Decimal Degrees (NAD 83) Latitude 53.569473 Longitude -114.721296 How Location Obtained Lat/Long calculated to centre of lot				Elevation ft How Elevation Obtained Not Obtained			
Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level in Is Artesian Flow Rate igpm										Is Flow Control Installed Describe	
Recommended Pump Rate		15.00 igpm		Pump Installed		Depth		ft			
Recommended Pump Intake Depth (From TOC)		120.00 ft		Type		Make		H.P.		Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)				Depth		ft		Well Disinfected Upon Completion			
Gas				Depth		ft		Geophysical Log Taken Submitted to ESRD			
Additional Comments on Well				Sample Collected for Potability				Submitted to ESRD			
GIC CHANGED LOCATION ON 2014-05-06 FROM SE TO AGREE WITH LAND TITLES.											

Yield Test			Taken From Ground Level Depth to water level	Measurement in Imperial	
Test Date 1993/03/05	Start Time 12:00 AM	Static Water Level 81.00 ft	Drawdown (ft)	Elapsed Time Minutes:Sec	Recovery (ft)
Method of Water Removal Type Air Removal Rate 20.00 igpm Depth Withdrawn From 103.00 ft					
If water removal period was < 2 hours, explain why					

Water Diverted for Drilling		
Water Source	Amount Taken ig	Diversion Date & Time

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name MORRILL'S WATER WELL DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 443282
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1996/04/22

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
LASKIN FARMS LTD #3		RR5, EDMONTON										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.561537 Longitude -114.734382					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
30.00		Sand			
80.00		Clay			
90.00		Sand & Coal			
100.00		Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1995/06/26	20.00	7.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
100.00 ft		1995/06/24	1995/06/26		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	100.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic					
Size OD :	5.00 in	Size OD :	0.00 in		
Wall Thickness :	0.250 in	Wall Thickness :	0.000 in		
Bottom at :	60.00 ft	Top at :	0.00 ft		
		Bottom at :	0.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal Bentonite Chips/Tablets					
Placed from 0.00 ft to 60.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type Plastic					
Size OD : 5.00 in					
From (ft)	To (ft)	Slot Size (in)			
60.00	100.00	0.010			
Attachment Attached To Casing					
Top Fittings Coupler			Bottom Fittings Plug		
Pack					
Type Artificial			Grain Size COARSE		
Amount 3000.00 Pounds					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 443282
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1996/04/22

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
LASKIN FARMS LTD #3		RR5, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561537 Longitude -114.734382					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate		10.00 igpm		Pump Installed Yes		Depth ft				
Recommended Pump Intake Depth (From TOC)		80.00 ft		Type SUB		Make		H.P.		
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: 1'. BOTTOM OF CASING @ 100' CHANGED TO 60'.										

Yield Test			Taken From Ground Level	Measurement in Imperial	
			Depth to water level		
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)
1995/06/26	12:00 AM	7.00 ft		Minutes:Sec	
Method of Water Removal Type Air Removal Rate 20.00 igpm Depth Withdrawn From 75.00 ft If water removal period was < 2 hours, explain why				0:00	52.00
				1:00	47.00
				2:00	42.00
				3:00	38.00
				4:00	34.00
				5:00	30.00
				6:00	26.00
				7:00	22.00
				8:00	18.00
				9:00	14.00
				10:00	12.00
				12:00	11.00
				14:00	10.00
				16:00	9.00
				20:00	7.00
	120:00	7.00			

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well	Certification No	
UNKNOWN NA DRILLER	1	
Company Name	Copy of Well report provided to owner	Date approval holder signed
SUMMERS DRILLING LTD.		



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 443286
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1996/04/22

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
JONES, GARRET		GEN DEL, SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.561429 Longitude -114.734457					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
15.00		Sand			
42.00		Brown Shale			
70.00		Coal			
95.00		Gray Shale			
120.00		Green Shale			
135.00		Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 3.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1995/06/20	5.00	8.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
135.00 ft		1995/06/22	1995/06/22		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	135.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD : 6.00 in			Size OD : 4.50 in		
Wall Thickness : 0.437 in			Wall Thickness : 0.250 in		
Bottom at : 76.00 ft			Top at : 70.00 ft		
			Bottom at : 135.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
80.00	135.00	0.010		3.00	
Perforated by Saw					
Annular Seal Bentonite Chips/Tablets					
Placed from 0.00 ft to 76.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 458797
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
JUBAL, M.		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation		
ft from					Latitude 53.568883 Longitude -114.720958					ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
10.00		Gravel			
22.00		Sand			
95.00		Sandstone			
110.00		Coal			
120.00		Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate			igpm		
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1961/01/01	3.00	39.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
120.00 ft			1961/01/01		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	120.00			
Surface Casing (if applicable)			Well Casing/Liner		
Unknown					
Size OD :	4.00 in	Size OD :	0.00 in		
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in		
Bottom at :	22.00 ft	Top at :	0.00 ft		
			Bottom at : 0.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal Driven					
Placed from 0.00 ft to 0.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MCWILLIS A	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 458797
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
JUBAL, M.		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568883 Longitude -114.720958					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										Is Flow Control Installed
Rate igpm										Describe
Recommended Pump Rate igpm										Pump Installed Yes
Recommended Pump Intake Depth (From TOC) ft										Depth 0.05 ft
										Type
										Make
										H.P.
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft
Gas										Depth ft
										Well Disinfected Upon Completion
										Geophysical Log Taken
										Submitted to ESRD
										Sample Collected for Potability
										Submitted to ESRD
Additional Comments on Well										
DRILLER NOTES WATER QUALITY AS COLOURLESS.GIC CHANGED LOCATION ON 2014-04-15 FROM NE 1 TO AGREE WITH MAP. DEPTH PUMP SET IS ACTUALLY UNKNOWN, NOT 0.05'.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1961/01/01	12:00 AM	39.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Pump				
Removal Rate 3.00 igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MCWILLIS A	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 468224
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/07/25

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
MCKAY, DON		GEN DEL, SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.561200 Longitude -114.734672					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
25.00		Clay			
40.00		Sand			
65.00		Green Shale			
80.00		Gray Shale			
116.00		Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 8.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1994/10/16	10.00	12.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
116.00 ft		1994/10/14	1994/10/16		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	116.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD : 6.00 in			Size OD : 4.50 in		
Wall Thickness : 0.039 in			Wall Thickness : 0.250 in		
Bottom at : 80.00 ft			Top at : 78.00 ft		
			Bottom at : 116.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
96.00	116.00	0.010		2.00	
Perforated by Saw					
Annular Seal Bentonite Chips/Tablets					
Placed from 0.00 ft to 78.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 468224
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/07/25

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MCKAY, DON		GEN DEL, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561200 Longitude -114.734672					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate 8.00 igpm										
Pump Installed Yes										
Depth ft										
Recommended Pump Intake Depth (From TOC) 80.00 ft										
Type SUB										
Make										
H.P.										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: 1'										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1994/10/16	12:00 AM	12.00 ft		
Method of Water Removal				
Type Air				
Removal Rate 10.00 igpm				
Depth Withdrawn From 80.00 ft				
If water removal period was < 2 hours, explain why				
			Drawdown (ft)	Elapsed Time Minutes:Sec
				Recovery (ft)
				0:00
				80.00
				1:00
				70.00
				2:00
				60.00
				3:00
				51.00
				4:00
				42.00
				5:00
				32.00
				6:00
				21.00
				7:00
				18.00
				8:00
				16.00
				9:00
				14.00
				10:00
				12.00
				120:00
				12.00

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 468225
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/07/25

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MCCOY, BILL		GEN DEL, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560684 Longitude -114.735112					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
20.00		Sand	
24.00		Green Shale	
80.00		Coal	
100.00		Sandstone	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate 10.00 igpm			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1994/10/20	70.00	10.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
100.00 ft		1994/10/20	1994/10/20	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	100.00		
Surface Casing (if applicable)		Well Casing/Liner		
Plastic		Plastic		
Size OD :	6.00 in	Size OD :	4.50 in	
Wall Thickness :	0.039 in	Wall Thickness :	0.250 in	
Bottom at :	60.00 ft	Top at :	58.00 ft	
		Bottom at :	100.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
70.00	100.00	0.010		2.00
Perforated by Saw				
Annular Seal Bentonite Chips/Tablets				
Placed from 0.00 ft to 58.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 468225
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/07/25

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MCCOY, BILL		GEN DEL, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560684 Longitude -114.735112					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate		10.00 igpm			Pump Installed Yes		Depth ft			
Recommended Pump Intake Depth (From TOC)		50.00 ft			Type SUB		Make		H.P.	
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										
Gas										
Depth ft										
Well Disinfected Upon Completion										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: 1'										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1994/10/20	12:00 AM	10.00 ft		
Method of Water Removal				
Type Air				
Removal Rate 70.00 igpm				
Depth Withdrawn From 50.00 ft				
If water removal period was < 2 hours, explain why				
			Drawdown (ft)	Elapsed Time Minutes:Sec
				Recovery (ft)
				0:00
				1:00
				2:00
				3:00
				4:00
				5:00
				6:00
				120:00

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470779
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1983/04/27

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
SHANDRO, DAVE		P.O. BOX 793 SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
6		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562844 Longitude -114.732355					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
17.00		Sand	
40.00		Sandy Clay	
48.00		Shale	
51.00		Coal	
53.00		Shale	
58.00		Coal	
60.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			21.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1983/03/09	21.00	5.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
60.00 ft		1983/03/09	1983/03/09
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	60.00	
Surface Casing (if applicable)		Well Casing/Liner	
Steel	Plastic		
Size OD :	4.56 in	Size OD :	3.00 in
Wall Thickness :	0.156 in	Wall Thickness :	0.000 in
Bottom at :	45.00 ft	Top at :	0.00 ft
		Bottom at :	60.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
45.00	60.00	0.125	2.00
Perforated by Machine			
Annular Seal Driven			
Placed from 0.00 ft to 45.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GROVE DRILLING ENTERPRISES (1980) LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470779
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1983/04/27

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
SHANDRO, DAVE		P.O. BOX 793 SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
6		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.562844 Longitude -114.732355					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level in											
Is Artesian Flow											
Rate igpm											
Is Flow Control Installed											
Describe											
Recommended Pump Rate					21.00 igpm					Pump Installed	Depth ft
Recommended Pump Intake Depth (From TOC)					40.00 ft					Type	Make H.P.
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion	
Gas					Depth ft					Geophysical Log Taken	
										Submitted to ESRD	
Additional Comments on Well										Sample Collected for Potability	
DRILLER REPORTS WATER IS MEDIUM HARD										Submitted to ESRD	

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1983/03/09	12:00 AM	5.00 ft		
			Drawdown (ft)	Elapsed Time
				Minutes:Sec
Method of Water Removal				
Type Bailer				
Removal Rate 21.00 igpm				
Depth Withdrawn From 40.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GROVE DRILLING ENTERPRISES (1980) LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470802
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1979/06/03

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address		Town		Province		Country		Postal Code	
GARDUR, BARRY		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5	2	4	1605MF			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560187 Longitude -114.735541					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
2.00		Brown Clay	
8.00		Coal	
18.00		Brown Shale	
35.00		Gray Shale	
42.00		Coal	
60.00		Gray Shale	
64.00		Sandy Shale	
65.00		Coal	
73.00		Sandy Shale	
77.00		Fractured Shale	
80.00		Coal	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			0.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1978/08/10	10.00	20.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
80.00 ft		1978/08/09	1978/08/10	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	80.00		
Surface Casing (if applicable)		Well Casing/Liner		
Galvanized Steel				
Size OD :	4.50 in	Size OD :	0.00 in	
Wall Thickness :	0.141 in	Wall Thickness :	0.000 in	
Bottom at :	60.00 ft	Top at :	0.00 ft	
		Bottom at :	0.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
Perforated by				
Annular Seal Driven				
Placed from 0.00 ft to 60.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
NORMAN DRLG LTD	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470802
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1979/06/03

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
GARDUR, BARRY		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5	2	4	1605MF			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560187 Longitude -114.735541					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate 0.00 igpm										
Pump Installed										
Depth ft										
Recommended Pump Intake Depth (From TOC) 30.00 ft										
Type										
Make										
H.P.										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
DRILLER REPORTS WATER IS MEDIUM HARD										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1978/08/10	12:00 AM	20.00 ft		Minutes:Sec
Method of Water Removal				
Type Bailer & Pump				
Removal Rate 10.00 igpm				
Depth Withdrawn From 25.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
NORMAN DRLG LTD	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470819
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1981/10/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address		Town		Province		Country		Postal Code	
THOMPSON, EMILY		221 1 AVE S, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	11	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.564661 Longitude -114.729562					Elevation 2462.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Not Verified					Estimated	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
45.00		Gray Coarse Grained Sand	
80.00		Clay	
110.00		Shale	
121.00		Dry Sandstone	
123.00		Coal	
148.00		Shale	
165.00		Dry Sandstone	
180.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			4.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1981/07/08	4.00	6.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
180.00 ft		1981/07/03	1981/07/08
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	180.00	
Surface Casing (if applicable)		Well Casing/Liner	
Steel			
Size OD :	4.56 in	Size OD :	0.00 in
Wall Thickness :	0.156 in	Wall Thickness :	0.000 in
Bottom at :	40.00 ft	Top at :	0.00 ft
		Bottom at :	0.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
			Hole or Slot Interval(in)
Perforated by			
Annular Seal			
Placed from 0.00 ft to 0.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type Stainless Steel			
Size OD : 4.00 in			
From (ft)	To (ft)	Slot Size (in)	
40.00	45.00	0.010	
Attachment			
Top Fittings Welded		Bottom Fittings Plug	
Pack			
Type Jet Sand		Grain Size	
Amount 50.00 Gallons			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
KAP'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470819
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1981/10/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
THOMPSON, EMILY		221 1 AVE S, SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	11	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.564661 Longitude -114.729562					Elevation 2462.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Not Verified					Estimated	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate 4.00 igpm										
Pump Installed										
Depth ft										
Recommended Pump Intake Depth (From TOC) 40.00 ft										
Type										
Make										
H.P.										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
DRILLER REPORTS WATER IS HARD										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1981/07/08	12:00 AM	6.00 ft		Minutes:Sec
Method of Water Removal				
Type Bailer				
Removal Rate 4.00 igpm				
Depth Withdrawn From 35.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
KAP'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470823
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1975/03/27

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
ABBY		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		15	7	53	5	5	16&17	1	5731CA			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation		
ft from					Latitude 53.568277 Longitude -114.723488					2425.00 ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Estimated		

Drilling Information	
Method of Drilling	Type of Work
Cable Tool	New Well
Proposed Well Use	
Domestic	

Formation Log			Yield Test Summary			Well Completion		
Measurement in Imperial			Measurement in Imperial			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description						
50.00		Sand						
55.00		Hard Sand						
60.00		Sand						
Recommended Pump Rate	Test Date	Water Removal Rate (igpm)	Static Water Level (ft)					
0.00 igpm	1975/01/31	15.00	12.00					
Diameter (in)	From (ft)	To (ft)						
0.00	0.00	60.00						
Surface Casing (if applicable)	Well Casing/Liner							
Steel								
Size OD : 5.56 in	Size OD : 0.00 in							
Wall Thickness : 0.156 in	Wall Thickness : 0.000 in							
Bottom at : 53.00 ft	Top at : 0.00 ft							
	Bottom at : 0.00 ft							
Perforations								
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)				
Type	At (ft)							
From (ft)	To (ft)	Slot Size (in)						

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BIG IRON DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470823
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1975/03/27

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
ABBY		SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	16&17	1	5731CA			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568277 Longitude -114.723488					Elevation 2425.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Additional Information										Measurement in Imperial		
Distance From Top of Casing to Ground Level in												
Is Artesian Flow										Is Flow Control Installed		
Rate igpm										Describe		
Recommended Pump Rate					0.00 igpm					Pump Installed Yes	Depth ft	
Recommended Pump Intake Depth (From TOC)					0.00 ft					Type SUB	Make H.P. 1/3	
										Model (Output Rating)		
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion		
Gas					Depth ft					Geophysical Log Taken		
										Submitted to ESRD		
Additional Comments on Well										Sample Collected for Potability		Submitted to ESRD
DRILLER REPORTS WATER IS MEDIUM HARD												

Yield Test			Taken From Ground Level	Measurement in Imperial	
			Depth to water level		
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)
1975/01/31	12:00 AM	12.00 ft		Minutes:Sec	
Method of Water Removal					
Type Bailer					
Removal Rate 15.00 igpm					
Depth Withdrawn From 20.00 ft					
If water removal period was < 2 hours, explain why					

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
UNKNOWN NA DRILLER		1
Company Name		Copy of Well report provided to owner
BIG IRON DRILLING LTD.		Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470824
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1980/07/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
LUNDBERG, SANDY		10143 82 ST, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	16	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569862 Longitude -114.719211					Elevation 2430.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
10.00		Clay & Rocks	
53.00		Sandstone	
54.00		Coal	
59.00		Brown Shale	
78.00		Sandstone	
101.00		Gray Soft Sand & Sandstone	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			3.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1980/06/19	3.00	0.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
101.00 ft		1980/06/18	1980/06/19
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	101.00	
Surface Casing (if applicable)		Well Casing/Liner	
Galvanized Steel			
Size OD :	4.50 in	Size OD :	0.00 in
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in
Bottom at :	96.00 ft	Top at :	0.00 ft
		Bottom at :	0.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
			Hole or Slot Interval(in)
Perforated by			
Annular Seal			
Placed from 0.00 ft to 0.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type Stainless Steel			
Size OD : 4.00 in			
From (ft)	To (ft)	Slot Size (in)	
96.00	100.00	0.010	
Attachment			
Top Fittings	Neoprene (Figure K)	Bottom Fittings Plug	
Pack			
Type	Sand	Grain Size 10-20	
Amount	3.00 Bags		

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
IRMC WATER WELL SERVICE & SUPPLY CO. LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470824
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1980/07/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
LUNDBERG, SANDY		10143 82 ST, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
16		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569862 Longitude -114.719211					Elevation 2430.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate					3.00 igpm		Pump Installed		Depth ft		
Recommended Pump Intake Depth (From TOC)					95.00 ft		Type		Make H.P.		
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft		Well Disinfected Upon Completion				
Gas					Depth ft		Geophysical Log Taken				
										Submitted to ESRD	
Additional Comments on Well										Sample Collected for Potability	Submitted to ESRD Yes

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1980/06/19	12:00 AM	0.00 ft		
			Drawdown (ft)	Elapsed Time
				Minutes:Sec
			Recovery (ft)	
Method of Water Removal				
Type Air				
Removal Rate 3.00 igpm				
Depth Withdrawn From 95.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
IRMC WATER WELL SERVICE & SUPPLY CO. LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470829
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1986/09/04

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
MACPHEE, G.P.		9823 187 ST, EDMONTON										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
16		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.569288 Longitude -114.720026					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
72.00		Sand			
103.00		Sandstone			
105.00		Coal			
120.00		Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 7.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1986/05/29	7.00	6.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
120.00 ft		1986/05/29	1986/05/29		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	120.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic					
Size OD :	4.50 in	Size OD :	0.00 in		
Wall Thickness :	0.160 in	Wall Thickness :	0.000 in		
Bottom at :	96.00 ft	Top at :	0.00 ft		
		Bottom at :	0.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal					
Placed from 0.00 ft to 0.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type Stainless Steel					
Size OD : 3.00 in					
From (ft)	To (ft)	Slot Size (in)			
96.00	100.00	0.015			
Attachment					
Top Fittings Coupler			Bottom Fittings Plug		
Pack					
Type Jet Sand			Grain Size		
Amount 0.25 Yards					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GROVE DRILLING ENTERPRISES (1980) LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470829
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1986/09/04

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MACPHEE, G.P.		9823 187 ST, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
16		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569288 Longitude -114.720026					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										Is Flow Control Installed
Rate igpm										Describe
Recommended Pump Rate 7.00 igpm										Pump Installed Yes
Recommended Pump Intake Depth (From TOC) 80.00 ft										Type SUB
										Make GOULDS
										H.P. 1/2
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft
Gas										Depth ft
										Well Disinfected Upon Completion
										Geophysical Log Taken
										Submitted to ESRD
Additional Comments on Well										Sample Collected for Potability
										Submitted to ESRD Yes

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1986/05/29	12:00 AM	6.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Air				
Removal Rate 7.00 igpm				
Depth Withdrawn From 75.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GROVE DRILLING ENTERPRISES (1980) LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470830
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1980/06/30

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
DOLDING, W.		GEN DEL, WILDWOOD										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
16		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation		
ft from					Latitude 53.569116 Longitude -114.720327					2440.00 ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Estimated		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
16.00		Clay & Rocks		
20.00		Brown Shale		
24.00		Red Sandstone		
26.00		Gray Sandstone		
28.00		Red Sandstone		
39.00		Gray Shale		
42.00		Gray Sandy Shale		
44.00		Shale		
48.00		Gray Sandy Shale		
54.00		Shale		
58.00		Gray Sandy Shale		
92.00		Shale		
100.00		Gray Soft Sandstone		

Yield Test Summary			Measurement in Imperial	
Recommended Pump Rate			8.00 igpm	
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)		
1980/06/17	8.00	33.00		

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
100.00 ft		1980/06/16	1980/06/17	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	100.00		
Surface Casing (if applicable)		Well Casing/Liner		
Steel		Galvanized Steel		
Size OD :	5.56 in	Size OD :	4.50 in	
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in	
Bottom at :	38.00 ft	Top at :	0.00 ft	
		Bottom at :	100.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
38.00	62.00	0.125		12.00
84.00	100.00	0.000		0.00
Perforated by Torch				
Annular Seal Driven				
Placed from 0.00 ft to 38.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
IRMC WATER WELL SERVICE & SUPPLY CO. LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470830
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1980/06/30

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
DOLDING, W.		GEN DEL, WILDWOOD									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
16		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569116 Longitude -114.720327					Elevation 2440.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level										in	
Is Artesian Flow											
Rate										igpm	
Is Flow Control Installed											
Describe											
Recommended Pump Rate					8.00 igpm					Pump Installed	Yes
Recommended Pump Intake Depth (From TOC)					95.00 ft					Type	SUB
										Make	
										H.P.	1/2
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)					Depth					ft	Well Disinfected Upon Completion
Gas					Depth					ft	Geophysical Log Taken
										Submitted to ESRD	
					Sample Collected for Potability					Submitted to ESRD	
Additional Comments on Well											

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1980/06/17	12:00 AM	33.00 ft		
			Drawdown (ft)	Elapsed Time
				Minutes:Sec
			Recovery (ft)	
Method of Water Removal				
Type Air				
Removal Rate 8.00 igpm				
Depth Withdrawn From 95.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
IRMC WATER WELL SERVICE & SUPPLY CO. LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470832
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/10/17

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
SMITH, TED		12 SKYLAND GARDENS, SEBA BEACH								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5	12	4	1593HW		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation		
ft from				Latitude 53.568517 Longitude -114.723691				ft		
ft from				How Location Obtained				How Elevation Obtained		
				Lat/Long calculated to centre of lot				Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
13.00		Clay & Sand	
40.00		Brown Sand	
42.00		Brown Sandstone	
69.00		Brown Fine Grained Sand	
94.00		Brown Sand & Sandstone	
104.00		Gray Fine Grained Sand	
119.00		Gray Sand	
127.00		Gray Sand & Sandstone	
135.00		Gray Coarse Grained Sand	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			10.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1988/08/23	17.00	80.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
135.00 ft		1988/08/23	1988/08/23
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	135.00	
Surface Casing (if applicable)		Well Casing/Liner	
Plastic		Plastic	
Size OD :	5.50 in	Size OD :	4.50 in
Wall Thickness :	0.375 in	Wall Thickness :	0.250 in
Bottom at :	100.00 ft	Top at :	95.00 ft
		Bottom at :	135.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
115.00	135.00	0.250	12.00
Perforated by Machine			
Annular Seal Driven			
Placed from 0.00 ft to 100.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470832
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/10/17

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
SMITH, TED		12 SKYLAND GARDENS, SEBA BEACH								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5	12	4	1593HW		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation _____ ft		
_____ ft from				Latitude 53.568517 Longitude -114.723691				How Elevation Obtained		
_____ ft from				How Location Obtained				Not Obtained		
Lat/Long calculated to centre of lot										
Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level _____ in										
Is Artesian Flow _____										
Rate _____ igpm										
Is Flow Control Installed _____										
Describe _____										
Recommended Pump Rate		10.00 igpm		Pump Installed		Yes		Depth		ft
Recommended Pump Intake Depth (From TOC)		110.00 ft		Type		SUB		Make		GOULDS
								H.P.		1/2
								Model (Output Rating)		
Did you Encounter Saline Water (>4000 ppm TDS) _____				Depth		ft		Well Disinfected Upon Completion _____		
Gas _____				Depth		ft		Geophysical Log Taken _____		
								Submitted to ESRD _____		
Additional Comments on Well				Sample Collected for Potability _____		Submitted to ESRD _____				

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1988/08/23	12:00 AM	80.00 ft		
			Drawdown (ft)	Recovery (ft)
			Elapsed Time	
			Minutes:Sec	
Method of Water Removal				
Type Air				
Removal Rate		17.00 igpm		
Depth Withdrawn From		100.00 ft		
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470833
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/06/16

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address		Town		Province		Country		Postal Code	
STECK, BOB		14211 86 ST, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5	8&9	4	1593HW			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568931 Longitude -114.722639					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
11.00		Blue Gray Clay	
20.00		Shaly Sandrock	
84.00		Brown Sandrock	
87.00		Gray Hard Rocks	
98.00		Brown Sandrock	
100.00		Gray Hard Rocks	
105.00		Gray Soft Sandstone	
123.00		Gray Sandstone	
131.00		Gray Shale	
135.00		Gray Sandstone	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate 0.00 igpm			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1988/05/13	7.50	74.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
135.00 ft			1988/05/13	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	135.00		
Surface Casing (if applicable)		Well Casing/Liner		
Galvanized Steel		Steel		
Size OD :	4.50 in	Size OD :	3.00 in	
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in	
Bottom at :	105.00 ft	Top at :	0.00 ft	
		Bottom at :	135.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
105.00	135.00	0.000		0.00
Perforated by				
Annular Seal Driven				
Placed from 0.00 ft to 105.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name CLEAR WATER DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470833
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/06/16

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
STECK, BOB		14211 86 ST, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	8&9	4	1593HW			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568931 Longitude -114.722639					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial		
Distance From Top of Casing to Ground Level in												
Is Artesian Flow										Is Flow Control Installed		
Rate igpm										Describe		
Recommended Pump Rate					0.00 igpm					Pump Installed Yes	Depth ft	
Recommended Pump Intake Depth (From TOC)					105.00 ft					Type SUB	Make JACUZZI H.P. 1/2	
										Model (Output Rating)		
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion		
Gas					Depth ft					Geophysical Log Taken		
										Submitted to ESRD		
Additional Comments on Well										Sample Collected for Potability		Submitted to ESRD

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1988/05/13	12:00 AM	74.00 ft		
			Drawdown (ft)	Elapsed Time
				Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Pump				
Removal Rate 7.50 igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
CLEAR WATER DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470836
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/09/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address		Town		Province		Country		Postal Code	
HEY MAC BLDG CONTR LTD		8220 LANSLOWNE RD, EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568277 Longitude -114.723488					Elevation 2440.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Field					Estimated	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
37.00		Yellow Clay	
135.00		Sandstone	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			0.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1981/04/16	7.00	70.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
135.00 ft		1981/04/15	1981/04/15
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	135.00	
Surface Casing (if applicable)		Well Casing/Liner	
Steel		Galvanized Steel	
Size OD : 5.56 in		Size OD : 4.50 in	
Wall Thickness : 0.000 in		Wall Thickness : 0.000 in	
Bottom at : 37.00 ft		Top at : 0.00 ft	
		Bottom at : 132.00 ft	
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
37.00	132.00	0.063	12.00
Perforated by Torch			
Annular Seal Loose			
Placed from 0.00 ft to 37.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470836
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1988/09/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
HEY MAC BLDG CONTR LTD		8220 LANSLOWNE RD, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5					
Measured from Boundary of			GPS Coordinates in Decimal Degrees (NAD 83)			Elevation				
ft from			Latitude 53.568277 Longitude -114.723488			2440.00 ft				
ft from			How Location Obtained			How Elevation Obtained				
			Field			Estimated				

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level										in
Is Artesian Flow										
Rate										igpm
Is Flow Control Installed										
Describe										
Recommended Pump Rate										0.00 igpm
Pump Installed										ft
Recommended Pump Intake Depth (From TOC)										0.00 ft
Type										H.P.
Make										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth										ft
Well Disinfected Upon Completion										
Gas										ft
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										Submitted to ESRD Yes
Additional Comments on Well										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time
1981/04/16	12:00 AM	70.00 ft		Minutes:Sec
				Recovery (ft)
Method of Water Removal				
Type Bailer				
Removal Rate 7.00 igpm				
Depth Withdrawn From 80.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
GERALD MCGINN DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470838
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1958/01/22

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
REYNOLDS, M.		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
10		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation		
ft from					Latitude 53.566422 Longitude -114.726255					2400.00 ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Estimated		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
12.00		Sand			
22.00		Clay			
44.00		Sandstone			
52.00		Coal			
90.00		Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate			0.00 igpm		
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1957/07/05	4.00	12.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
90.00 ft			1957/07/05		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	90.00			
Surface Casing (if applicable)			Well Casing/Liner		
Steel					
Size OD :	3.56 in	Size OD :	0.00 in		
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in		
Bottom at :	26.00 ft	Top at :	0.00 ft		
			Bottom at : 0.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
Perforated by					
Annular Seal					
Placed from 0.00 ft to 0.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
JALBERT ENTERPRISES	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470838
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1958/01/22

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name REYNOLDS, M.		Address SEBA BEACH			Town		Province		Country	Postal Code
Location	1/4 or LSD 10	SEC 7	TWP 53	RGE 5	W of MER 5	Lot	Block	Plan	Additional Description	
Measured from Boundary of _____ ft from _____ ft from					GPS Coordinates in Decimal Degrees (NAD 83) Latitude 53.566422 Longitude -114.726255 How Location Obtained Map				Elevation 2400.00 ft How Elevation Obtained Estimated	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level _____ in											
Is Artesian Flow _____ Rate _____ igpm					Is Flow Control Installed _____ Describe _____						
Recommended Pump Rate _____ 0.00 igpm					Pump Installed _____ Depth _____ ft						
Recommended Pump Intake Depth (From TOC) _____ 0.00 ft					Type _____ Make _____ H.P. _____ Model (Output Rating) _____						
Did you Encounter Saline Water (>4000 ppm TDS) _____ Gas _____					Depth _____ ft Depth _____ ft					Well Disinfected Upon Completion _____ Geophysical Log Taken _____ Submitted to ESRD _____	
Additional Comments on Well DRILLER REPORTS WATER IS MEDIUM HARD											

Yield Test			Taken From Ground Level Depth to water level	Measurement in Imperial
Test Date 1957/07/05	Start Time 12:00 AM	Static Water Level 12.00 ft	Drawdown (ft)	Elapsed Time Minutes:Sec
Method of Water Removal Type Bailer				Recovery (ft)
Removal Rate 4.00 igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken ig	Diversion Date & Time

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name JALBERT ENTERPRISES	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470844
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1967/09/01

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561284 Longitude -114.734592					Elevation 2400.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Drilling Information	
Method of Drilling Rotary	Type of Work Well Inventory
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
13.00		Brown Sand	
18.00		Blue Sandstone	
42.00		Brown Sandstone	
65.00		Coal	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1967/09/01		7.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
65.00 ft				
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	65.00		
Surface Casing (if applicable)		Well Casing/Liner		
Steel				
Size OD :	4.56 in	Size OD :	0.00 in	
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in	
Bottom at :	42.00 ft	Top at :	0.00 ft	
Bottom at : 0.00 ft				
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
Perforated by				
Annular Seal				
Placed from 0.00 ft to 0.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name UNKNOWN DRILLER	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470844
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1967/09/01

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address			Town		Province		Country	Postal Code
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	5	7	53	5	5					
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)						
ft from				Latitude 53.561284 Longitude -114.734592				Elevation 2400.00 ft		
ft from				How Location Obtained				How Elevation Obtained		
				Map				Estimated		

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate igpm										
Pump Installed										
Depth ft										
Recommended Pump Intake Depth (From TOC) ft										
Type										
Make										
H.P.										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
GIC CHANGED LOCATION ON 2014-06-12 FROM UNKNOWN QUARTER SECTION TO AGREE WITH MAP.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1967/09/01	12:00 AM	7.00 ft		
			Drawdown (ft)	Recovery (ft)
			Elapsed Time	
			Minutes:Sec	
Method of Water Removal				
Type				
Removal Rate igpm				
Depth Withdrawn From 0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
UNKNOWN DRILLER	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470847
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
ACE FINANCE CORP		9915 BELAMY HILL			EDMONTON		AB		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560787 Longitude -114.735010					Elevation 2400.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
12.00		Clay & Sand	
28.00		Brown Sandstone	
65.00		Gray Shale	
80.00		Coal	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1964/07/25	10.00	4.00	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
80.00 ft			1964/07/25
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	80.00	
Surface Casing (if applicable)		Well Casing/Liner	
Steel		Unknown	
Size OD :	4.50 in	Size OD :	0.00 in
Wall Thickness :	0.000 in	Wall Thickness :	0.000 in
Bottom at :	38.00 ft	Top at :	0.00 ft
		Bottom at :	0.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
			Hole or Slot Interval(in)
Perforated by Unknown			
Annular Seal Unknown			
Placed from 0.00 ft to 0.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type Unknown		Grain Size	
Amount Unknown			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
NORMAN DRLG LTD	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 470847
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
ACE FINANCE CORP		9915 BELAMY HILL			EDMONTON		AB		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560787 Longitude -114.735010					Elevation 2400.00 ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level										in
Is Artesian Flow										
Rate										igpm
Is Flow Control Installed										
Describe										
Recommended Pump Rate										igpm
Pump Installed										ft
Recommended Pump Intake Depth (From TOC)										ft
Type										Make
										H.P.
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										ft
Depth										ft
Well Disinfected Upon Completion										
Gas										ft
Depth										ft
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										Submitted to ESRD
Additional Comments on Well										
DRILLER REPORTS WATER IS CLEAR AND MEDIUM HARD. NO LOCATION IN SECTION GIVEN SO SE USED. GIC CHANGED LOCATION ON 2014-06-12 FROM SE TO AGREE WITH MAP.										

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date	Start Time	Static Water Level		
1964/07/25	12:00 AM	4.00 ft		
Method of Water Removal			Drawdown (ft)	Elapsed Time
				Minutes:Sec
Type Bailer				Recovery (ft)
Removal Rate				
10.00 igpm				
Depth Withdrawn From				
0.00 ft				
If water removal period was < 2 hours, explain why				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
NORMAN DRLG LTD	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 490395
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1998/07/21

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MALLATT, LARRY/GLADYS		59 REHWINKEL RD, EDMONTON								T6R 1Z8	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	NW	7	53	5	5	5	2	2423AR			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.566469 Longitude -114.732600					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Not Verified					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
5.00		Yellow Clay			
9.00		Sand			
29.00		Sandstone			
51.00		Coal			
65.00		Gray Shale			
80.00		Coal			
92.00		Sandstone			
105.00		Gray Shale			
109.00		Sandstone			
116.00		Green Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 2.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1998/06/19	3.00	9.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
116.00 ft		1998/06/19	1998/06/19		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	116.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	4.50 in		
Wall Thickness :	0.390 in	Wall Thickness :	0.214 in		
Bottom at :	61.00 ft	Top at :	56.00 ft		
		Bottom at :	116.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
76.00	116.00	0.125		10.00	
Perforated by Saw					
Annular Seal Shale Trap & Bentonite					
Placed from 0.00 ft to 61.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
D&D WATER WELL DRILLING & SERVICING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 490398
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1998/03/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MACDONALD, GREG		P.O. BOX 491 SEBA BEACH									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	11	7	53	5	5	7	1	301ET			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.565734 Longitude -114.727137					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
38.00		Soft Sand & Sandstone	
41.00		Hard Sandstone	
56.00		Brown Silty Sand	
66.00		Gray Soft Sandstone	
86.00		Shale & Coal	
93.00		Shale & Siltstone	
95.00		Coal	
96.00		Shale	
103.00		Coal	
104.00		Shale	
110.00		Shale & Coal	
111.00		Brown Shale	
116.00		Coal	
120.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			8.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1998/01/29	8.50	8.90	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
120.00 ft		1998/01/27	1998/01/27
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	120.00	
Surface Casing (if applicable)		Well Casing/Liner	
Plastic		Plastic	
Size OD :	6.00 in	Size OD :	4.50 in
Wall Thickness :	0.432 in	Wall Thickness :	0.237 in
Bottom at :	90.00 ft	Top at :	89.00 ft
		Bottom at :	120.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
110.00	120.00	0.020	
Hole or Slot Interval(in)			
3.00			
Perforated by Machine			
Annular Seal Cement/Grout			
Placed from 30.00 ft to 90.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BAR K DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 490399
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/09/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
BURGESS, JACK		40 LORRAINE CR, ST ALBERT										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5	13	4	1593HW				
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.568408 Longitude -114.724013					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Lat/Long calculated to centre of lot					Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
10.00		Clay & Sand			
18.00		Sandstone			
20.00		Hard Sandstone			
30.00		Sandstone			
32.00		Hard Sandstone			
52.00		Sandstone			
53.00		Hard Sandstone			
56.00		Blind			
68.00		Hard Sandstone			
85.00		Coal			
91.00		Hard Sandstone			
100.00		Soft Sandstone			
111.00		Hard Sandstone			
130.00		Soft Shale			
163.00		Shale & Coal			
165.00		Hard Ledges			
180.00		Coal			
188.00		Shale			
200.00		Hard Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1997/08/10	20.00	66.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
200.00 ft		1997/08/07	1997/08/11		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	200.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD : 6.00 in			Size OD : 4.00 in		
Wall Thickness : 0.390 in			Wall Thickness : 0.250 in		
Bottom at : 126.00 ft			Top at : 120.00 ft		
			Bottom at : 200.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
120.00	140.00	0.020		2.00	
160.00	200.00	0.000		0.00	
Perforated by Machine					
Annular Seal Driven					
Placed from 0.00 ft to 126.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name BIG IRON DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 490399
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/09/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
BURGESS, JACK		40 LORRAINE CR, ST ALBERT									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	13	4	1593HW			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568408 Longitude -114.724013					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial		
Distance From Top of Casing to Ground Level in												
Is Artesian Flow										Is Flow Control Installed		
Rate igpm										Describe		
Recommended Pump Rate					10.00 igpm					Pump Installed	Depth ft	
Recommended Pump Intake Depth (From TOC)					120.00 ft					Type	Make H.P.	
										Model (Output Rating)		
Did you Encounter Saline Water (>4000 ppm TDS)					Depth ft					Well Disinfected Upon Completion		
Gas					Depth ft					Geophysical Log Taken		
										Submitted to ESRD		
Additional Comments on Well										Sample Collected for Potability		Submitted to ESRD
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: 30".												

Yield Test			Taken From Ground Level	Measurement in Imperial	
			Depth to water level		
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)
1997/08/10	12:00 AM	66.00 ft		Minutes:Sec	
Method of Water Removal Type Air Removal Rate 20.00 igpm Depth Withdrawn From 120.00 ft If water removal period was < 2 hours, explain why				0:00	180.00
				1:00	160.00
				2:00	140.00
				3:30	120.00
				5:30	110.00
				8:30	100.00
				14:00	80.00
				22:00	60.00
				26:00	66.00

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
UNKNOWN NA DRILLER		1
Company Name		Copy of Well report provided to owner
BIG IRON DRILLING LTD.		Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 492196
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1998/11/16

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
MATTHEWS, BRIAN		EDMONTON										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		15	7	53	5	5	47					
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.568403 Longitude -114.721861					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
42.00		Brown Sandstone			
46.00		Gray Sandstone			
72.00		Brown Sandstone			
90.00		Gray Sandstone			
103.00		Shale			
108.00		Sandstone			
111.00		Shale			
139.00		Coal			
140.00		Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 7.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
1997/07/11	7.00	50.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
140.00 ft		1997/07/11	1997/07/11		
Borehole					
Diameter (in)	From (ft)	To (ft)			
0.00	0.00	140.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	4.00 in		
Wall Thickness :	0.390 in	Wall Thickness :	0.250 in		
Bottom at :	100.00 ft	Top at :	95.00 ft		
		Bottom at :	140.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
110.00	140.00	0.093		3.00	
Perforated by Saw					
Annular Seal Driven					
Placed from 95.00 ft to 110.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : 0.00 in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type			Grain Size		
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
KAP'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 492196
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1998/11/16

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MATTHEWS, BRIAN		EDMONTON									
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	47					
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568403 Longitude -114.721861					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level in										
Is Artesian Flow										
Rate igpm										
Is Flow Control Installed										
Describe										
Recommended Pump Rate 7.00 igpm										
Pump Installed Yes										
Depth ft										
Recommended Pump Intake Depth (From TOC) 90.00 ft										
Type										
Make										
H.P. .5										
Model (Output Rating)										
Did you Encounter Saline Water (>4000 ppm TDS)										
Depth ft										
Well Disinfected Upon Completion										
Gas										
Depth ft										
Geophysical Log Taken										
Submitted to ESRD										
Sample Collected for Potability										
Submitted to ESRD										
Additional Comments on Well										
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: 20". CULMACK ROAD.										

Yield Test			Taken From Ground Level	Measurement in Imperial	
			Depth to water level		
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)
1997/07/11	12:00 AM	50.00 ft		Minutes:Sec	
Method of Water Removal Type Bailer & Air Removal Rate 7.00 igpm Depth Withdrawn From 90.00 ft If water removal period was < 2 hours, explain why				1:00	72.83
				2:00	70.87
				3:00	69.55
				4:00	68.90
				5:00	68.24
				6:00	67.75
				8:00	67.09
				10:00	66.60
				20:00	65.29
				30:00	64.80
				40:00	65.12
				60:00	64.14
				120:00	63.48

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
KAP'S DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 492251
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1999/08/11

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address			Town		Province		Country	Postal Code
STOLLERY, RANDY		10205 63 AVE, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5	463				
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation		
ft from				Latitude 53.568193 Longitude -114.72226				ft		
ft from				How Location Obtained				How Elevation Obtained		
				Map				Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
7.00		Silty Sand	
15.00		Sand	
43.00		Yellow Sandstone	
65.00		Coal	
77.00		Gray Shale	
94.00		Coal	
119.00		Sandstone	
125.00		Green Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			5.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1999/07/15	10.00	10.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
125.00 ft		1999/07/14	1999/07/15	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	125.00		
Surface Casing (if applicable)		Well Casing/Liner		
Plastic		Plastic		
Size OD :	6.00 in	Size OD :	4.50 in	
Wall Thickness :	0.390 in	Wall Thickness :	0.214 in	
Bottom at :	70.00 ft	Top at :	65.00 ft	
		Bottom at :	125.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
85.00	125.00	0.125		10.00
Perforated by Saw				
Annular Seal Shale Trap & Bentonite				
Placed from 0.00 ft to 70.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : 0.00 in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
D&D WATER WELL DRILLING & SERVICING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 496193
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2000/06/27

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
LAMOUREUX, IRENE D.		SEBA BEACH										
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.567836 Longitude -114.723105					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Yield Test Summary			Well Completion		
Measurement in Imperial			Measurement in Imperial			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description						
38.00		Sand & Coal						
59.00		Blue Sandstone						
62.00		Coal						
63.00		Blue Sand & Rocks						
76.00		Coal						
78.00		Brown Shale						
80.00		Bluish Green Fractured Shale						
98.00		Blue Sandstone						
104.00		Gray Shale						
120.00		Coal						
Recommended Pump Rate	Test Date	Water Removal Rate (igpm)	Static Water Level (ft)					
10.00 igpm	1999/06/24	15.00	7.50					
Total Depth Drilled	Finished Well Depth	Start Date	End Date					
120.00 ft		1999/06/24	1999/06/24					
Borehole	Surface Casing (if applicable)	Well Casing/Liner						
Diameter (in)	From (ft)	To (ft)						
0.00	0.00	120.00						
Plastic	Size OD : 5.00 in	Plastic						
	Wall Thickness : 0.188 in	Size OD : 3.00 in						
	Bottom at : 100.00 ft	Wall Thickness : 0.188 in						
		Top at : 99.00 ft						
		Bottom at : 120.00 ft						
Perforations								
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)				
100.00	120.00	0.250		10.00				
Type	At (ft)							
From (ft)	To (ft)	Slot Size (in)						

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BLAKEMAN'S DRILLING LTD.	Date approval holder signed



GIC Well ID	496193
GoA Well Tag No.	
Drilling Company Well ID	
Date Report Received	2000/06/27

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location											Measurement in Imperial		
Owner Name	Address					Town	Province			Country	Postal Code		
LAMOUREUX, IRENE D.	SEBA BEACH												
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description				
	15	7	53	5									
Measured from Boundary of						GPS Coordinates in Decimal Degrees (NAD 83)							
ft from						Latitude		53.567836		Longitude		-114.723105	
ft from						How Location Obtained				How Elevation Obtained			
						Map				Not Obtained			

Additional Information		Measurement in Imperial	
Distance From Top of Casing to Ground Level _____ in	Is Flow Control Installed _____		
Is Artesian Flow _____	Describe _____		
Rate _____ igpm			
Recommended Pump Rate _____ 10.00 igpm	Pump Installed Yes _____	Depth _____ ft	
Recommended Pump Intake Depth (From TOC) _____ 60.00 ft	Type SUB _____	Make _____	H.P. .5 _____
		Model (Output Rating) _____	
Did you Encounter Saline Water (>4000 ppm TDS) _____	Depth _____ ft	Well Disinfected Upon Completion _____	
Gas _____	Depth _____ ft	Geophysical Log Taken _____	
		Submitted to ESRD _____	
	Sample Collected for Potability _____	Submitted to ESRD _____	
Additional Comments on Well _____			
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: 1.5'.			

Yield Test			Taken From Ground Level		Measurement in Imperial
Test Date	Start Time	Static Water Level	Depth to water level		
1999/06/24	12:00 AM	7.50 ft	Drawdown (ft)	Elapsed Time Minutes:Sec	Recovery (ft)
Method of Water Removal				0:00	80.00
				5:00	21.00
				9:00	7.50
Type	Air				
Removal Rate	15.00 igpm				
Depth Withdrawn From	80.00 ft				
If water removal period was < 2 hours, explain why					

Water Diverted for Drilling		
Water Source	Amount Taken g	Diversion Date & Time

Contractor Certification <i>Name of Journeyman responsible for drilling/construction of well</i> UNKNOWN NA DRILLER <i>Company Name</i> BLAKEMAN'S DRILLING LTD.		<i>Certification No</i> 1 <i>Copy of Well report provided to owner</i> <i>Date approval holder signed</i>
---	--	--



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 498038
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2001/03/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial
Owner Name		Address		Town		Province		Country		Postal Code
CORMODE DICKSON/CUMMINS, JAMES		12261 163 ST, EDMONTON								
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
	15	7	53	5	5					
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation		
ft from				Latitude 53.567383 Longitude -114.724157				ft		
ft from				How Location Obtained				How Elevation Obtained		
				Map				Not Obtained		

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
20.00		Silty Sand	
25.00		Hard Sandstone	
37.00		Brown Soft Sandstone	
41.00		Sandy Clay	
46.00		Brown Soft Sandstone	
47.00		Hard Sandstone	
54.00		Brown Sandstone	
68.00		Gray Sandstone	
69.00		Brown Brittle Sandstone	
70.00		Shale	
81.00		Shale & Coal	
89.00		Coal	
90.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			9.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
2001/02/23	9.00	4.20	

Well Completion			Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date
90.00 ft		2001/02/20	2001/02/21
Borehole			
Diameter (in)	From (ft)	To (ft)	
0.00	0.00	90.00	
Surface Casing (if applicable)		Well Casing/Liner	
Plastic		Plastic	
Size OD :	6.00 in	Size OD :	4.50 in
Wall Thickness :	0.432 in	Wall Thickness :	0.237 in
Bottom at :	61.00 ft	Top at :	59.00 ft
		Bottom at :	90.00 ft
Perforations			
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)
80.00	90.00	0.020	3.00
Perforated by Machine			
Annular Seal Bentonite Chips/Tablets			
Placed from 0.00 ft to 61.00 ft			
Amount			
Other Seals			
Type		At (ft)	
Screen Type			
Size OD : 0.00 in			
From (ft)	To (ft)	Slot Size (in)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	
Amount			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
UNKNOWN NA DRILLER	1
Company Name	Copy of Well report provided to owner
BAR K DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165116
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
KNOLL, PAT		9403 149ST.			EDMONTON		AB		CA		
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		14	7	53	5	5	2		9925220		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.566928 Longitude -114.727248					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
53.00		Brownish Yellow Till		
71.00		Brown Sand		
73.00		Gravel		
81.00		Coarse Grained Sandstone		
93.00		Gray Shale		
97.00		Coarse Grained Sandstone		
98.00		Coal		
107.00		Medium Grained Sandstone		
109.00		Green Shale		
110.00		Coal		
120.00		Coarse Grained Sandstone		

Yield Test Summary			Measurement in Imperial	
Recommended Pump Rate 5.00 igpm				
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)		
2003/07/11	6.00	66.76		

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
120.00 ft		2003/07/11	2003/07/11	
Borehole				
Diameter (in)	From (ft)	To (ft)		
6.75	0.00	120.00		
Surface Casing (if applicable)		Well Casing/Liner		
Steel		Plastic		
Size OD :	5.56 in	Size OD :	4.50 in	
Wall Thickness :	0.258 in	Wall Thickness :	0.237 in	
Bottom at :	87.00 ft	Top at :	80.00 ft	
		Bottom at :	120.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
90.00	120.00	0.125		12.00
Perforated by Saw				
Annular Seal Driven				
Placed from 0.00 ft to 87.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type Unknown		Grain Size		
Amount Unknown				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well RANDY RIEDLINGER	Certification No 4564Q
Company Name CALIBRE DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165188
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
CHANCE, SIMON		12 INVERMERE PLACE			ST ALBERT		AB		CA	T8N 5N1	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
12		7	53	5	5	3	3	5641KS	PHILLIPS ESTATES		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.564053 Longitude -114.732544					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Yield Test Summary			Well Completion		
Measurement in Imperial			Measurement in Imperial			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description						
7.00		Brownish Yellow Till						
13.00		Brown Fine Grained Sand						
29.00		Brown Fine Grained Sandstone						
32.00		Gray Fine Grained Sandstone						
66.00		Brown Fine Grained Sandstone						
79.00		Brown Medium Grained Sandstone						
84.00		Gray Medium Grained Sandstone						
95.00		Green Shale						
122.00		Gray Medium Grained Sandstone						
127.00		Green Shale						
136.00		Gray Medium Grained Sandstone						
140.00		Gray Medium Grained Shale						
Recommended Pump Rate	Test Date	Water Removal Rate (igpm)	Static Water Level (ft)					
5.00 igpm	2006/09/19	15.00	62.96					
Total Depth Drilled	Finished Well Depth	Start Date	End Date					
140.00 ft		2006/09/19	2006/09/19					
Borehole	Surface Casing (if applicable)	Well Casing/Liner						
	Plastic	Plastic						
Diameter (in)	Size OD :	Size OD :						
8.75	6.00 in	4.50 in						
From (ft)	Wall Thickness :	Wall Thickness :						
0.00	0.390 in	0.237 in						
To (ft)	Bottom at :	Top at :						
140.00	91.00 ft	85.00 ft						
		Bottom at :						
		140.00 ft						
Perforations								
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)				
95.00	136.00	0.062		12.00				
Type	At (ft)							
From (ft)	To (ft)	Slot Size (in)						

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
RANDY RIEDLINGER	4564Q
Company Name	Copy of Well report provided to owner Date approval holder signed
CALIBRE DRILLING LTD.	



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165220
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
NEMETAH, JULIUS		15 HARROLD PLACE			ST ALBERT		AB		CA	T8N 5P9	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
12		7	53	5	5	5	3	5641KS	PHILLIPS ESTATES		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.564342 Longitude -114.731989					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
4.00		Gravel			
7.00		Blue Gray Clay			
17.00		Gray Shale			
69.00		Brownish Gray Soft Sandstone			
73.00		Gray Fine Grained Sandstone			
78.00		Brown Medium Grained Sandstone			
98.00		Green Shale			
118.00		Gray Medium Grained Sandstone			
124.00		Green Shale			
138.00		Gray Medium Grained Sandstone			
140.00		Light Gray Shale			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
2006/06/20	15.00	68.31			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
140.00 ft		2006/06/20	2006/06/20		
Borehole					
Diameter (in)	From (ft)	To (ft)			
8.75	0.00	140.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	6.00 in	Size OD :	4.50 in		
Wall Thickness :	0.390 in	Wall Thickness :	0.237 in		
Bottom at :	90.00 ft	Top at :	85.00 ft		
			Bottom at : 140.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
100.00	138.00	0.063		12.00	
Perforated by Saw					
Annular Seal Bentonite Chips/Tablets					
Placed from 0.00 ft to 90.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type Unknown			Grain Size		
Amount Unknown					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
RANDY RIEDLINGER	4564Q
Company Name	Copy of Well report provided to owner
CALIBRE DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165265
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
MAYER, JACK		5351 - 199 STREET			EDMONTON		AB		CA	T6M 2T6	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	7	1	5731CA			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.566536 Longitude -114.725303					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
7.00		Fill		
12.00		Brownish Yellow Till		
19.00		Brown Fine Grained Sand		
22.00		Blue Gray Clay		
36.00		Brown Coarse Grained Sandstone		
43.00		Gray Shale		
49.00		Green Shale		
52.00		Brown Fine Grained Sandstone		
59.00		Brown Coarse Grained Sandstone		
71.00		Gray Medium Grained Sandstone		
76.00		Gray Coarse Grained Sandstone		
87.00		Light Green Shale		
93.00		Light Gray Shale		
128.00		Gray Medium Grained Sandstone		
133.00		Gray Shale		
140.00		Light Gray Shale		

Yield Test Summary				Measurement in Imperial	
Recommended Pump Rate				5.00 igpm	
Test Date	Water Removal Rate (igpm)		Static Water Level (ft)		
2007/06/13	15.00		12.57		

Well Completion				Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
140.00 ft		2007/06/13	2007/06/13		
Borehole					
Diameter (in)	From (ft)		To (ft)		
8.75	0.00		140.00		
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD : 6.00 in			Size OD : 4.50 in		
Wall Thickness : 0.390 in			Wall Thickness : 0.237 in		
Bottom at : 86.83 ft			Top at : 80.00 ft		
			Bottom at : 140.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
93.00	128.00	0.062		12.00	
Perforated by Saw					
Annular Seal Shale Trap & Bentonite					
Placed from 0.00 ft to 68.83 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type Unknown			Grain Size		
Amount Unknown					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well RANDY RIEDLINGER	Certification No 4564Q
Company Name CALIBRE DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165265
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial			
Owner Name		Address			Town		Province		Country		Postal Code		
MAYER, JACK		5351 - 199 STREET			EDMONTON		AB		CA		T6M 2T6		
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description			
15		7	53	5	5	7	1	5731CA					
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)								
ft from					Latitude 53.566536					Longitude -114.725303		Elevation ft	
ft from					How Location Obtained					How Elevation Obtained			
					Map					Not Obtained			

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level 19.69 in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate 5.00 igpm										Pump Installed	
Recommended Pump Intake Depth (From TOC) 80.05 ft										Depth ft	
										Type	
										Make	
										H.P.	
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft	
Gas										Depth ft	
										Well Disinfected Upon Completion	
										Geophysical Log Taken	
										Submitted to ESRD	
										Sample Collected for Potability	
										Submitted to ESRD	
Additional Comments on Well											
36' - 43' MEDIUM GRAY SH, 128' - 133' MEDIUM GRAY SH, BOREHOLE DIAMETER 8.75" & 5", WATER USED TO DRILL THE WELL FROM CITY OF SPRUCE GROVE 2007/06/12 7:30 AM 9000 LITRES,											

Yield Test			Taken From Ground Level		Measurement in Imperial	
			Depth to water level			
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)	
2007/06/13	2:24 AM	12.57 ft		Minutes:Sec		
Method of Water Removal			12.57	0:00	45.41	
Type Air				1:00	34.88	
Removal Rate 15.00 igpm				2:00	24.90	
Depth Withdrawn From 60.04 ft				3:00	19.75	
				4:00	16.96	
				5:00	15.88	
				6:00	15.81	
				7:00	14.27	
				8:00	13.85	
				9:00	13.68	
				10:00	13.52	
				12:00	13.26	
				14:00	13.03	
				16:00	12.93	
				20:00	12.83	
				25:00	12.76	
				30:00	12.73	
				35:00	12.66	
				40:00	12.63	
				50:00	12.63	
				60:00	12.57	
				75:00	12.57	
				90:00	12.57	
			45.41	120:00	12.57	

If water removal period was < 2 hours, explain why
MEASUREMENTS FROM GROUND LEVEL,

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
RANDY RIEDLINGER		4564Q
Company Name		Copy of Well report provided to owner
CALIBRE DRILLING LTD.		Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165350
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2008/05/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
QUAGHEBEUR, LEONARD J.		P.O. BOX 1141 STN. MAIN			EDMONTON		ALBERTA		CA	T5J 3K6	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
16		7	53	5	5	1	4	1593HW			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.569944 Longitude -114.720233					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
23.00		Brownish Yellow Coarse Grained Sand		
34.00		Brown Medium Grained Sandstone		
41.00		Brownish Yellow Soft Shale		
56.00		Brown Medium Grained Sandstone		
63.00		Light Gray Shale		
71.00		Brown Medium Grained Sandstone		
76.00		Gray Medium Grained Sandstone		
83.00		Gray Shale		
96.00		Light Gray Shale		
108.00		Gray Medium Grained Sandstone		
109.00		Brown Shale		
114.00		Coal		
115.00		Brown Shale		
118.00		Coal		
123.00		Gray Medium Grained Sandstone		
128.00		Coal		
136.00		Gray Shale		
141.00		Coal		
149.00		Gray Shale		
153.00		Green Shale		
174.00		Gray Medium Grained Sandstone		
180.00		Gray Shale		

Yield Test Summary			Measurement in Imperial	
Recommended Pump Rate 15.00 igpm				
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)		
2008/05/06	20.00	69.59		

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
180.00 ft		2008/05/06	2008/05/06	
Borehole				
Diameter (in)	From (ft)	To (ft)		
8.75	0.00	91.00		
5.13	91.00	180.00		
Surface Casing (if applicable)		Well Casing/Liner		
Plastic		Plastic		
Size OD :	6.00 in	Size OD :	4.50 in	
Wall Thickness :	0.390 in	Wall Thickness :	0.237 in	
Bottom at :	90.50 ft	Top at :	85.00 ft	
		Bottom at :	180.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
109.00	174.00	0.062		12.00
Perforated by Saw				
Annular Seal				
Placed from 0.00 ft to 90.50 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type	Unknown	Grain Size		
Amount	Unknown			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
RANDY RIEDLINGER	4564Q
Company Name	Copy of Well report provided to owner
CALIBRE DRILLING LTD.	Yes
	Date approval holder signed
	2008/05/25



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1165350
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2008/05/29

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
QUAGHEBEUR, LEONARD J.		P.O. BOX 1141 STN. MAIN			EDMONTON		ALBERTA		CA	T5J 3K6	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		16	7	53	5	5	1	4	1593HW		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation			
ft from				Latitude 53.569944 Longitude -114.720233				ft			
ft from				How Location Obtained				How Elevation Obtained			
				Lat/Long calculated to centre of lot				Not Obtained			

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level										23.62 in	
Is Artesian Flow										Is Flow Control Installed	
Rate										igpm	
Describe											
Recommended Pump Rate										15.00 igpm	
Recommended Pump Intake Depth (From TOC)										120.08 ft	
Pump Installed										Depth	
Type										ft	
Make										H.P.	
Model (Output Rating)											
Did you Encounter Saline Water (>4000 ppm TDS)										Depth	
Gas										ft	
Well Disinfected Upon Completion											
Geophysical Log Taken											
Submitted to ESRD											
Sample Collected for Potability										Submitted to ESRD	
Additional Comments on Well											

Yield Test			Taken From Ground Level		Measurement in Imperial	
			Depth to water level			
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)	
2008/05/06	6:43 AM	69.59 ft		Minutes:Sec		
Method of Water Removal			69.59	0:00	82.32	
Type Air				1:00	75.16	
Removal Rate				2:00	72.93	
20.00 igpm				3:00	72.47	
Depth Withdrawn From				4:00	72.08	
100.39 ft				5:00	71.98	
If water removal period was < 2 hours, explain why				6:00	71.75	
MEASUREMENTS TAKEN FROM GROUND LEVEL. AIR TEST 20 GPM @				7:00	71.56	
30.5 M & 30 GPM @ 48.8M				8:00	71.46	
				9:00	71.33	
				10:00	71.19	
				12:00	71.06	
				14:00	70.93	
				16:00	70.80	
				20:00	70.54	
				25:00	70.37	
				30:00	70.18	
				35:00	70.01	
				40:00	69.82	
				50:00	69.72	
				60:00	69.62	
				75:00	69.62	
				90:00	69.59	
				105:00	69.59	
			82.32	120:00	69.59	

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
SPRUCE GROVE	1979.72 ig	2008/05/06 7:30 AM

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well	Certification No	
RANDY RIEDLINGER	4564Q	
Company Name	Copy of Well report provided to owner	Date approval holder signed
CALIBRE DRILLING LTD.	Yes	2008/05/25



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1300307
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2003/05/05

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
SAZAVSKY, JOHN		58 AMBER CRES.			ST. ALBERT		ALBERTA		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.567766 Longitude -114.723211					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
85.00		Yellow Sandy Clay	
107.00		Gray Sandy Shale	
114.00		Gray Shale	
124.00		Sandstone	
137.00		Coal	
140.00		Gray Shale	
149.00		Coal	
151.00		Gray Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate			7.00 igpm
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
2002/10/30	7.00	75.00	

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
151.00 ft		2002/10/22	2002/10/23	
Borehole				
Diameter (in)	From (ft)	To (ft)		
8.50	0.00	151.00		
Surface Casing (if applicable)		Well Casing/Liner		
Plastic		Plastic		
Size OD :	6.00 in	Size OD :	4.50 in	
Wall Thickness :	0.390 in	Wall Thickness :	0.228 in	
Bottom at :	110.00 ft	Top at :	105.00 ft	
		Bottom at :	151.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
110.00	151.00	0.062		12.00
Perforated by Saw				
Annular Seal Formation Seal				
Placed from ft to 110.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type Unknown		Grain Size		
Amount Unknown				

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well	Certification No	
GERALD MCGINN	3824AD	
Company Name	Copy of Well report provided to owner	Date approval holder signed
GERALD MCGINN DRILLING LTD.	Yes	2002/10/30



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1300307
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2003/05/05

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
SAZAVSKY, JOHN		58 AMBER CRES.			ST. ALBERT		ALBERTA		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.567766 Longitude -114.723211					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level 18.00 in										
Is Artesian Flow										Is Flow Control Installed
Rate igpm										Describe
Recommended Pump Rate 7.00 igpm										Pump Installed Yes
Recommended Pump Intake Depth (From TOC) 120.00 ft										Depth ft
										Type SUB @ 120'
										Make 5P4C02MGS-03
										H.P.
										Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft
Gas										Depth ft
										Well Disinfected Upon Completion
										Geophysical Log Taken
										Submitted to ESRD
Additional Comments on Well										Sample Collected for Potability
0' - 85' ALSO SANDSTONE LEDGES, 85' - 107' ALSO COARSE,										Submitted to ESRD

Yield Test			Taken From Ground Level	Measurement in Imperial	
			Depth to water level		
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)
2002/10/30	7:12 AM	75.00 ft		Minutes:Sec	
Method of Water Removal			72.21	0:00	94.85
Type Pump			77.00	1:00	89.17
Removal Rate 7.00 igpm			79.72	2:00	86.29
Depth Withdrawn From 120.00 ft			81.59	3:00	84.25
If water removal period was < 2 hours, explain why			83.14	4:00	82.91
			84.25	5:00	81.63
			85.14	6:00	80.71
			85.79	7:00	80.09
			86.52	8:00	79.36
			87.07	9:00	78.84
			87.53	10:00	78.54
			89.01	14:00	77.26
			89.86	20:00	76.67
			90.52	25:00	76.28
			91.01	30:00	76.05
			91.73	40:00	75.66
			92.32	50:00	75.46
			92.82	60:00	75.30
			93.44	75:00	75.10
			93.96	90:00	74.93
			94.42	105:00	74.80
			94.85	120:00	74.57

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well	Certification No	
GERALD MCGINN	3824AD	
Company Name	Copy of Well report provided to owner	Date approval holder signed
GERALD MCGINN DRILLING LTD.	Yes	2002/10/30



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1545005
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
STYLES, BRIAN		9726-61 AVE			GRANDE PRAIRIE		AB		CA	T8W 2J5	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
15		7	53	5	5	9	4	1593HW	SEBA BEACH		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568814 Longitude -114.722722					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
3.00		Brown Sand			
12.00		Brown Sandy Clay			
27.00		Brown Sandy Shale & Sandstone			
47.00		Brown Sandstone			
67.00		Brownish Gray Sandstone			
87.00		Brown Sandstone & Coal			
99.00		Brown Sandstone			
103.00		Gray Sandstone			
127.00		Gray Shale & Sandstone			
140.00		Gray Sandstone & Coal			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
2004/07/13	12.00	78.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
140.00 ft		2004/07/13	2004/07/13		
Borehole					
Diameter (in)	From (ft)	To (ft)			
4.75	0.00	140.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD :	5.50 in	Size OD :	4.50 in		
Wall Thickness :	0.375 in	Wall Thickness :	0.237 in		
Bottom at :	106.00 ft	Top at :	100.00 ft		
			Bottom at : 140.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
120.00	140.00	0.250		12.00	
Perforated by Machine					
Annular Seal Driven & Bentonite					
Placed from 0.00 ft to 106.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type Unknown			Grain Size		
Amount Unknown					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well JEROME VANCUREN	Certification No 22844A
Company Name MORRILL'S WATER WELL DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1545005
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial		
Owner Name		Address			Town		Province		Country		Postal Code	
STYLES, BRIAN		9726-61 AVE			GRANDE PRAIRIE		AB		CA		T8W 2J5	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
		15	7	53	5	5	9	4	1593HW	SEBA BEACH		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
ft from					Latitude 53.568814 Longitude -114.722722					Elevation ft		
ft from					How Location Obtained					How Elevation Obtained		
					Map					Not Obtained		

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level 24.00 in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate 10.00 igpm										Pump Installed	
Recommended Pump Intake Depth (From TOC) 110.00 ft										Depth ft	
										Type	
										Make	
										H.P.	
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft	
Gas										Depth ft	
										Well Disinfected Upon Completion	
										Geophysical Log Taken	
										Submitted to ESRD	
										Sample Collected for Potability	
										Submitted to ESRD	
Additional Comments on Well											

Yield Test			Taken From Ground Level		Measurement in Imperial	
			Depth to water level			
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)	
2004/07/13	12:00 AM	78.00 ft		Minutes:Sec		
Method of Water Removal Type Air Removal Rate 12.00 igpm Depth Withdrawn From 140.00 ft If water removal period was < 2 hours, explain why				0:00	140.00	
				1:00	101.00	
				2:00	84.50	
				3:00	81.20	
				4:00	81.00	
				5:00	79.50	
				6:00	79.20	
				7:00	79.00	
				8:00	78.90	
				9:00	78.80	
				10:00	78.75	
				12:00	78.00	
			140.00			

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
JEROME VANCUREN	22844A
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1545940
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
PUCKERING, JOHN		47 BELFRY FWY CRES			STONY PLAIN		AB		CA		
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
5		7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.561346 Longitude -114.733337					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
9.00		Brown Sand		
41.00		Brown Sandy Shale		
43.00		Brown Sandstone		
67.00		Brown Sand		
96.00		Brown Sand & Sandstone		
102.00		Gray Sandy Shale		
132.00		Gray Sandstone		
135.00		Gray Shale		

Yield Test Summary			Measurement in Imperial	
Recommended Pump Rate 10.00 igpm				
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)		
2007/07/08	15.00	83.00		

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
135.00 ft		2007/07/08	2007/07/08	
Borehole				
Diameter (in)	From (ft)	To (ft)		
6.75	0.00	100.00		
4.75	100.00	135.00		
Surface Casing (if applicable)			Well Casing/Liner	
Plastic			Plastic	
Size OD : 5.56 in			Size OD : 4.50 in	
Wall Thickness : 0.375 in			Wall Thickness : 0.237 in	
Bottom at : 100.00 ft			Top at : 95.00 ft	
			Bottom at : 135.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
102.00	135.00	0.250		12.00
Perforated by Machine				
Annular Seal Bentonite Chips/Tablets				
Placed from 0.00 ft to 100.00 ft				
Amount				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type Unknown		Grain Size		
Amount Unknown				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well WAYNE MORRILL	Certification No VB4952
Company Name MORRILL'S WATER WELL DRILLING LTD.	Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1545940
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name PUCKERING, JOHN		Address 47 BELFRY FWY CRES			Town STONY PLAIN		Province AB	Country CA	Postal Code		
Location	1/4 or LSD 5	SEC 7	TWP 53	RGE 5	W of MER 5	Lot	Block	Plan	Additional Description		
Measured from Boundary of _____ ft from _____ ft from					GPS Coordinates in Decimal Degrees (NAD 83) Latitude 53.561346 Longitude -114.733337 How Location Obtained Map					Elevation _____ ft How Elevation Obtained Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level 24.00 in											
Is Artesian Flow _____											
Rate _____ igpm											
Is Flow Control Installed _____											
Describe _____											
Recommended Pump Rate 10.00 igpm					Pump Installed Yes					Depth 0.05 ft	
Recommended Pump Intake Depth (From TOC) 110.00 ft					Type _____					Make GOULD 7G05 H.P. _____	
Model (Output Rating) _____											
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft					Well Disinfected Upon Completion _____	
Gas _____					Depth _____ ft					Geophysical Log Taken _____	
Submitted to ESRD _____											
Sample Collected for Potability _____										Submitted to ESRD _____	
Additional Comments on Well PUMP SET @ IS ACTUALLY UNKNOWN, NOT 0.05'.											

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date 2007/07/08	Start Time 12:00 AM	Static Water Level 83.00 ft		
Method of Water Removal				
Type Air				
Removal Rate 15.00 igpm				
Depth Withdrawn From 110.00 ft				
If water removal period was < 2 hours, explain why MEASUREMENTS FROM GROUND LEVEL.				
			Drawdown (ft)	Elapsed Time Minutes:Sec
			83.00	0:00
				1:00
				2:00
				3:00
				4:00
				5:00
				7:00
				10:00
				12:00
				14:00
				16:00
				20:00
				25:00
				30:00
				35:00
				40:00
				50:00
				60:00
				75:00
				90:00
				105:00
			110.00	120:00

Water Diverted for Drilling		
Water Source NW 22-050-07-5	Amount Taken 1000.00 ig	Diversion Date & Time 2007/07/08 7:00 AM

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well WAYNE MORRILL		Certification No VB4952
Company Name MORRILL'S WATER WELL DRILLING LTD.		Copy of Well report provided to owner Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1545942
GoA Well Tag No.
Drilling Company Well ID
Date Report Received

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country		Postal Code
LATKA, GEORGE		P.O. BOX 267			SEBA BEACH		AB		CA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	5	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.560606 Longitude -114.733822					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Map					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
9.00		Brown Sand			
41.00		Brown Sandy Shale			
43.00		Brown Sandstone			
67.00		Brown Sand			
98.00		Brown Sand & Sandstone			
100.00		Gray Sandstone			
128.00		Gray Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
2007/07/07	17.00	77.00			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
128.00 ft		2007/07/07	2007/07/07		
Borehole					
Diameter (in)	From (ft)	To (ft)			
6.75	0.00	98.00			
4.75	98.00	128.00			
Surface Casing (if applicable)			Well Casing/Liner		
Plastic			Plastic		
Size OD : 5.56 in			Size OD : 4.50 in		
Wall Thickness : 0.375 in			Wall Thickness : 0.237 in		
Bottom at : 98.00 ft			Top at : 88.00 ft		
			Bottom at : 128.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
98.00	128.00	0.250		12.00	
Perforated by Machine					
Annular Seal Bentonite Chips/Tablets					
Placed from 0.00 ft to 98.00 ft					
Amount					
Other Seals					
Type			At (ft)		
Screen Type					
Size OD : in					
From (ft)	To (ft)	Slot Size (in)			
Attachment					
Top Fittings			Bottom Fittings		
Pack					
Type Unknown			Grain Size		
Amount Unknown					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
WAYNE MORRILL	VB4952
Company Name	Copy of Well report provided to owner
MORRILL'S WATER WELL DRILLING LTD.	Date approval holder signed



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1715480
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2009/01/15

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
DYKES, PETER		675 - 1ST AVE NORTH			SEBA BEACH		ALBERTA		CANADA		
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		15	7	53	5	5	8	2	6842ET		
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation			
ft from				Latitude 53.568008 Longitude -114.721883				ft			
ft from				How Location Obtained				How Elevation Obtained			
				Lat/Long calculated to centre of lot				Not Obtained			

Drilling Information	
Method of Drilling	Type of Work
Rotary - Air	New Well
Proposed Well Use	
Domestic	

Formation Log			Yield Test Summary			Well Completion		
Measurement in Imperial			Measurement in Imperial			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description						
40.00		Sand						
100.00		Soft Sandstone						
101.00		Gravel						
104.00		Green Shale						
116.00		Coal						
135.00		Green Shale						
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)						
2009/01/06	26.39	8.53						
Diameter (in)	From (ft)	To (ft)						
7.88	0.00	104.00						
5.25	104.00	135.00						
Surface Casing (if applicable)	Well Casing/Liner							
Plastic	Plastic							
Size OD : 6.00 in	Size OD : 4.50 in							
Wall Thickness : 0.390 in	Wall Thickness : 0.288 in							
Bottom at : 104.00 ft	Top at : 95.00 ft							
	Bottom at : 135.00 ft							
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)				
95.00	104.00	0.020		2.00				
Type	At (ft)							
Shale Trap	104.00							
From (ft)	To (ft)	Slot Size (in)						

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
DAVE SUMMERS	5286Q
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed
	2009/01/06



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1715480
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2009/01/15

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
DYKES, PETER		675 - 1ST AVE NORTH			SEBA BEACH		ALBERTA		CANADA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	15	7	53	5	5	8	2	6842ET			
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568008 Longitude -114.721883					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level 24.00 in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate 8.00 igpm										Pump Installed Yes	
Recommended Pump Intake Depth (From TOC) 60.00 ft										Depth 60.00 ft	
										Type Submersible	
										Make Unknown	
										H.P. 0.5	
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft	
Gas										Depth ft	
										Well Disinfected Upon Completion	
										Geophysical Log Taken	
										Submitted to ESRD	
										Sample Collected for Potability	
										Submitted to ESRD	
Additional Comments on Well											

Yield Test			Taken From Top of Casing		Measurement in Imperial	
			Depth to water level			
Test Date	Start Time	Static Water Level				
2009/01/06	11:00 AM	8.53 ft				
Method of Water Removal			Drawdown (ft)		Elapsed Time	
Type Air			8.53		Minutes:Sec	
Removal Rate 26.39 igpm					Recovery (ft)	
Depth Withdrawn From 98.42 ft					0:00 98.43	
					1:00 41.99	
					2:00 21.10	
					3:00 13.45	
					4:00 9.51	
					5:00 8.53	
If water removal period was < 2 hours, explain why						

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
STONY PLAIN WATER	ig	

Contractor Certification			
Name of Journeyman responsible for drilling/construction of well		Certification No	
DAVE SUMMERS		5286Q	
Company Name		Copy of Well report provided to owner	
SUMMERS DRILLING LTD.		Date approval holder signed	
		2009/01/06	



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1715648
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2011/07/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
PERRIN, DARRELL		11708 138 AVE NW			EDMONTON		ALBERTA		CANADA	T5X 3P4	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		15	7	53	5	5	9	2	6842ET		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568142 Longitude -114.721794					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling Rotary - Air	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
8.00		Brown Sand & Rocks		
19.00		Brown Coarse Grained Sandstone		
41.00		Gray Coarse Grained Sandstone		
82.00		Gray Medium Grained Sandstone		
103.00		Gray Coarse Grained Sandstone		
112.00		Gray Shale		
119.00		Green Shale		
128.00		Dark Gray Shale		
131.00		Brown Shale		
140.00		Dark Brown Shale & Coal		
151.00	Yes	Gray Sandstone		
159.00		Light Gray Shale		
165.00		Dark Gray Shale		

Yield Test Summary			Measurement in Imperial	
Recommended Pump Rate 5.00 igpm				
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)		
2011/06/29	8.00	24.01		

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
165.00 ft	165.00 ft	2011/06/28	2011/06/29	
Borehole				
Diameter (in)	From (ft)	To (ft)		
8.00	0.00	117.00		
5.13	117.00	165.00		
Surface Casing (if applicable)			Well Casing/Liner	
Plastic			Plastic	
Size OD : 6.00 in			Size OD : 4.50 in	
Wall Thickness : 0.390 in			Wall Thickness : 0.288 in	
Bottom at : 117.00 ft			Top at : 105.00 ft	
			Bottom at : 165.00 ft	
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
140.00	150.00	0.020		12.00
Perforated by Saw				
Annular Seal Bentonite Chips/Tablets				
Placed from 0.00 ft to 117.00 ft				
Amount 400.00 Pounds				
Other Seals				
Type			At (ft)	
Shale Trap			117.00	
Screen Type				
Size OD : in				
From (ft)		To (ft)	Slot Size (in)	
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well DAVE SUMMERS	Certification No 5286Q
Company Name SUMMERS DRILLING LTD.	Copy of Well report provided to owner Yes
	Date approval holder signed 2011/06/30



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1715648
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2011/07/12

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
PERRIN, DARRELL		11708 138 AVE NW			EDMONTON		ALBERTA		CANADA	T5X 3P4	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		15	7	53	5	5	9	2	6842ET		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.568142 Longitude -114.721794					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level 0.26 in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate 5.00 igpm										Pump Installed	
Recommended Pump Intake Depth (From TOC) 140.00 ft										Depth ft	
										Type	
										Make	
										H.P.	
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft	
Gas										Depth ft	
										Well Disinfected Upon Completion Yes	
										Geophysical Log Taken	
										Submitted to ESRD	
										Sample Collected for Potability	
										Submitted to ESRD	
Additional Comments on Well											

Yield Test			Taken From Ground Level		Measurement in Imperial	
			Depth to water level			
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)	
2011/06/29	3:00 PM	24.01 ft		Minutes:Sec		
Method of Water Removal			24.01	0:00	140.78	
Type Air				1:00	138.55	
Removal Rate 8.00 igpm				2:00	133.60	
Depth Withdrawn From 145.00 ft				3:00	128.67	
				4:00	123.82	
				5:00	118.93	
				6:00	114.14	
				7:00	109.58	
				8:00	105.15	
				9:00	100.75	
				10:00	96.39	
				12:00	88.62	
				14:00	78.90	
				16:00	75.62	
				18:00	69.95	
				20:00	65.98	
				25:00	59.35	
				30:00	54.17	
				35:00	50.26	
				40:00	47.28	
				50:00	44.26	
				60:00	39.86	
				75:00	39.86	
				90:00	39.17	
				105:00	38.91	
				120:00	38.65	

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
STONY PLAIN	2000.00 ig	2011/06/28 8:00 AM

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
DAVE SUMMERS		5286Q
Company Name	Copy of Well report provided to owner	Date approval holder signed
SUMMERS DRILLING LTD.	Yes	2011/06/30



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1715919
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2014/01/31

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
ALDRIDGE, KELLY		P.O. BOX 582			ENTWISTLE		ALBERTA		CANADA	T0E 0S0	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		15	7	53	5	5	12	1	5731CA		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.566930 Longitude -114.724411					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Drilling Information	
Method of Drilling Rotary - Air	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial	
Depth from ground level (ft)	Water Bearing	Lithology Description		
20.00		Gray Fine Grained Sand		
28.00		Blue Clay		
46.00		Blue Clay & Rocks		
72.00		Blue Clay		
87.00		Gray Shale		
108.00	Yes	Gray Sandstone		
110.00		Gray Shale		

Yield Test Summary			Measurement in Imperial	
Recommended Pump Rate 3.00 igpm				
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)		
2013/10/15	4.00	4.65		

Well Completion			Measurement in Imperial	
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
110.00 ft	110.00 ft	2013/10/11	2013/10/15	
Borehole				
Diameter (in)	From (ft)	To (ft)		
8.00	0.00	92.00		
5.13	92.00	110.00		
Surface Casing (if applicable)		Well Casing/Liner		
Plastic		Plastic		
Size OD : 6.00 in		Size OD : 4.50 in		
Wall Thickness : 0.390 in		Wall Thickness : 0.288 in		
Bottom at : 92.00 ft		Top at : 88.00 ft		
		Bottom at : 110.00 ft		
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
95.00	110.00	0.020	12.00	2.00
Perforated by Saw				
Annular Seal Bentonite Chips/Tablets				
Placed from 0.00 ft to 80.00 ft				
Amount 150.00 Pounds				
Other Seals				
Type		At (ft)		
Shale Trap		92.00		
Screen Type				
Size OD : in				
From (ft)	To (ft)	Slot Size (in)		
Attachment				
Top Fittings		Bottom Fittings		
Pack				
Type		Grain Size		
Amount				

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well DAVE SUMMERS	Certification No 5286Q
Company Name SUMMERS DRILLING LTD.	Copy of Well report provided to owner Yes
	Date approval holder signed 2013/10/16



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1715919
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2014/01/31

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
ALDRIDGE, KELLY		P.O. BOX 582			ENTWISTLE		ALBERTA		CANADA	T0E 0S0	
Location		1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	
		15	7	53	5	5	12	1	5731CA		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.566930 Longitude -114.724411					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Lat/Long calculated to centre of lot					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level 24.00 in											
Is Artesian Flow										Is Flow Control Installed	
Rate igpm										Describe	
Recommended Pump Rate 3.00 igpm										Pump Installed	
Recommended Pump Intake Depth (From TOC) 80.00 ft										Depth ft	
										Type	
										Make	
										H.P.	
										Model (Output Rating)	
Did you Encounter Saline Water (>4000 ppm TDS)										Depth ft	
Gas										Depth ft	
										Well Disinfected Upon Completion Yes	
										Geophysical Log Taken	
										Submitted to ESRD	
										Sample Collected for Potability	
										Submitted to ESRD	
Additional Comments on Well											

Yield Test			Taken From Top of Casing		Measurement in Imperial	
			Depth to water level			
Test Date	Start Time	Static Water Level	Drawdown (ft)	Elapsed Time	Recovery (ft)	
2013/10/15	5:00 PM	4.65 ft		Minutes:Sec		
			4.66	0:00	82.02	
				1:00	78.81	
				2:00	75.59	
				3:00	72.24	
				4:00	69.03	
				5:00	65.88	
				6:00	62.53	
				7:00	59.15	
				8:00	56.10	
				9:00	52.76	
				10:00	49.44	
				12:00	43.50	
				14:00	37.63	
				16:00	31.53	
				18:00	25.33	
				20:00	19.39	
				25:00	13.22	
				30:00	10.70	
				35:00	8.89	
				40:00	7.25	
				50:00	6.63	
				60:00	6.43	
				75:00	6.27	
				90:00	6.14	
				105:00	6.07	
			82.02	120:00	6.00	

Method of Water Removal	
Type	Air
Removal Rate	4.00 igpm
Depth Withdrawn From	82.02 ft
If water removal period was < 2 hours, explain why	

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
STONY PLAIN WATER SUPPLY	2000.00 ig	2013/10/11 8:00 AM

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well		Certification No
DAVE SUMMERS		5286Q
Company Name	Copy of Well report provided to owner	Date approval holder signed
SUMMERS DRILLING LTD.	Yes	2013/10/16



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 1716433
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2017/02/03

GOWN ID

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

Well Identification and Location										Measurement in Imperial	
Owner Name		Address			Town		Province		Country	Postal Code	
JACKOBI, ALLEN		5528 TWP 531					ALBERTA		CANADA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	12	7	53	5	5						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
ft from					Latitude 53.563558 Longitude -114.733509					Elevation ft	
ft from					How Location Obtained					How Elevation Obtained	
					Phone					Not Obtained	

Drilling Information	
Method of Drilling	Type of Work
Rotary - Air	New Well
Proposed Well Use	
Domestic	

Formation Log			Measurement in Imperial		
Depth from ground level (ft)	Water Bearing	Lithology Description			
10.00		Clay & Rocks			
80.00		Sandstone			
100.00		Lost Circulation			
140.00	Yes	Gray Sandstone			

Yield Test Summary			Measurement in Imperial		
Recommended Pump Rate 10.00 igpm					
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)			
2016/12/15	20.00	71.81			

Well Completion			Measurement in Imperial		
Total Depth Drilled	Finished Well Depth	Start Date	End Date		
140.00 ft	140.00 ft	2016/12/14	2016/12/15		
Borehole					
Diameter (in)	From (ft)	To (ft)			
8.75	0.00	98.00			
5.13	98.00	140.00			
Surface Casing (if applicable)			Well Casing/Liner		
Steel			Plastic		
Size OD :	6.00 in	Size OD :	4.50 in		
Wall Thickness :	0.244 in	Wall Thickness :	0.288 in		
Bottom at :	98.00 ft	Top at :	90.00 ft		
		Bottom at :	140.00 ft		
Perforations					
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)	
100.00	140.00	0.125	2.00	2.00	
Perforated by Saw					
Annular Seal Bentonite Slurry					
Placed from 0.00 ft to 98.00 ft					
Amount 100.00 Pounds					
Other Seals					
Type			At (ft)		
Drive Shoe			98.00		
Screen Type					
Size OD : in					
From (ft)		To (ft)		Slot Size (in)	
Attachment					
Top Fittings		Bottom Fittings			
Pack					
Type		Grain Size			
Amount					

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
JUSTIN AKERS	131964A
Company Name	Copy of Well report provided to owner
SUMMERS DRILLING LTD.	Date approval holder signed
	Yes



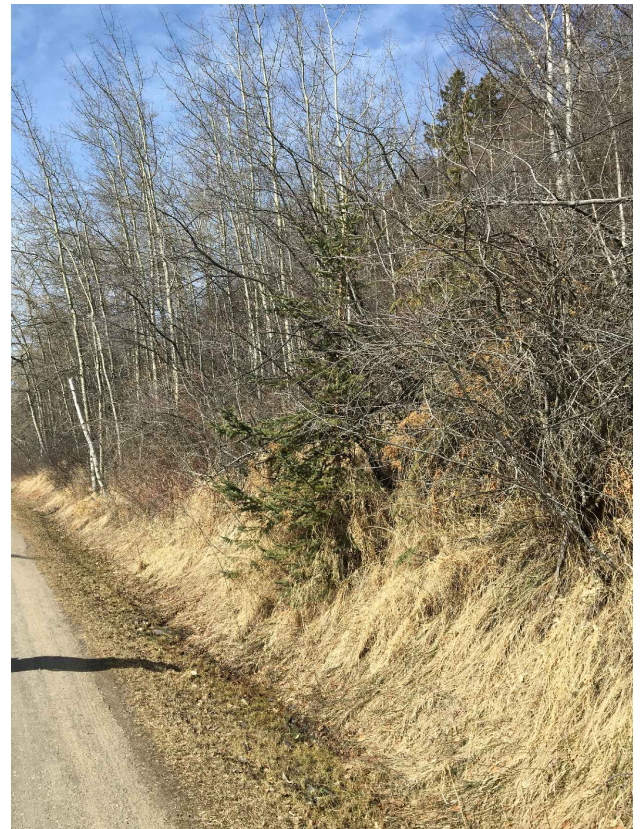
APPENDIX C

Selected Photographs from Site Reconnaissance



PHOTO 1 - VIEW OF VEGETATION ALONG SLOPES

PHOTO 2 - VIEW OF VEGETATION ALONG SLOPES



HIGH LEVEL BANK STABILITY REVIEW SEBA BEACH, ALBERTA

SELECTED SITE PHOTOGRAPHS

PLATE 1



DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	N.T.S.
DATE	APRIL 2018
FILE No.	21720





PHOTO 3 - VIEW OF SANDSTONE OUTCROP ALONG FIRST AVENUE



**HIGH LEVEL BANK STABILITY REVIEW
SEBA BEACH, ALBERTA**

SELECTED SITE PHOTOGRAPHS

PLATE 2

DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	1:1000
DATE	APRIL 2018
FILE No.	21720



THURBER ENGINEERING LTD.



PHOTO 4 - VIEW OF SANDSTONE OUTCROP
ALONG ABANDONED COUNTY ROADWAY

PHOTO 5 - VIEW OF FENCE LOCATED ALONG FIRST AVENUE.
FENCE LOCATION MARKED ON DRAWING 21720-1B.



HIGH LEVEL BANK STABILITY REVIEW SEBA BEACH, ALBERTA

SELECTED SITE PHOTOGRAPHS

PLATE 3



DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	N.T.S.
DATE	APRIL 2018
FILE No.	21720

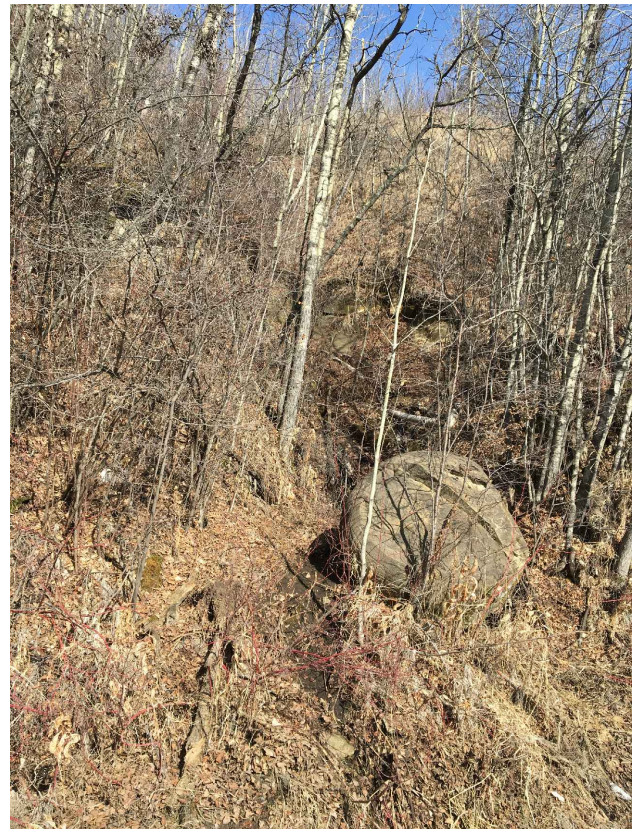


THURBER ENGINEERING LTD.



PHOTO 6 - VIEW OF ACCUMULATED SAND AT FENCE

PHOTO 7 - VIEW OF SANDSTONE BOULDER LOCATED
NEXT TO ROADWAY AND DITCH OF FIRST AVENUE



HIGH LEVEL BANK STABILITY REVIEW SEBA BEACH, ALBERTA

SELECTED SITE PHOTOGRAPHS

PLATE 4



DRAWN BY	KLW
DESIGNED BY	NFR
APPROVED BY	RVC
SCALE	N.T.S.
DATE	APRIL 2018
FILE No.	21720



THURBER ENGINEERING LTD.