



ACTIVE EARTH

ENGINEERING LTD

www.activeearth.ca

METRO VANCOUVER

201 – 3989 Henning Drive
Burnaby, BC V5C 6P8
Tel. 778-737-3488

VANCOUVER ISLAND

105 – 4343 Tyndall Avenue
Victoria, BC V8N 3R9
Tel. 778-430-5475

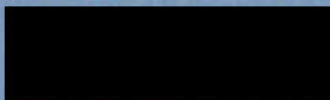
FRASER VALLEY

304 – 2600 Gladys Avenue
Abbotsford, BC V2S 0E9
Tel. 778-752-2222

WELL FEASIBILITY STUDY

878 Deep Creek Road,
Enderby, BC

PREPARED FOR



PREPARED BY

Matt Pye, P.Eng.
Senior Hydrogeologist

REVIEWED BY

Kathy Tixier, P.Eng.
Senior Hydrogeologist

AE PROJECT NUMBER: 2935
August 2022
Version 1.0

TABLE OF CONTENTS

1	INTRODUCTION	2
2	SITE DESCRIPTION	2
3	PROPOSED DEVELOPMENT	3
4	SCOPE OF WORK	3
5	GEOLOGY	4
5.1	Surficial Geology	4
5.2	Bedrock Geology	5
6	GROUNDWATER RESOURCES	7
6.1	Existing Water Wells	7
6.2	Aquifer Mapping	8
6.3	Provincial Observation Wells	8
6.4	Groundwater Quality	8
7	CONCEPTUAL MODEL	8
8	WATER SUPPLY ASSESSMENT	10
9	POTENTIAL IMPACTS TO NEARBY EXISTING WELLS	10
10	CONCLUSIONS AND RECOMMENDATIONS	11
11	LIMITATIONS	11

ATTACHMENTS

LIST OF ACRONYMS

FIGURES

Figure 1 Location Plan & Wide Area Site Plan
Drawing No. SD 100 Draft Subdivision Plan

APPENDICES

Appendix A BC Water Resource Atlas Search Results

1 INTRODUCTION

Active Earth Engineering Ltd. was retained by [REDACTED] to carry out a well feasibility study for the property located at 878 Deep Creek Road in the Columbia Shuswap Regional District (CSRD) near Enderby, BC (the Site).

The purpose of this work is to assess the potential for five (5) individual wells to meet the domestic water needs of a proposed subdivision. The potential for their collective groundwater withdrawal to impact existing neighbouring wells and the source aquifer will also be evaluated.

The results of our assessment are presented herein.

2 SITE DESCRIPTION

The Site is located approximately 12 km south of the Salmon Arm town centre and approximately 2.5 km southwest of Gardom Lake, and on the west side of Deep Creek Road near the intersection with Grayston Road (Figure 1).

The following table presents a summary of property descriptions:

LOCATION AND PHYSICAL DESCRIPTION

Address	Current Civic Address(es)	878 Deep Creek Road
	PID	027-805-115
	Plan Description	Lot 1 Section 7 Township 19 Range 9 West of 6 th Meridian Kamloops Division Yale District Plan KAP88484
	Cartographic Coordinates	50°35'41.51" North 119°14'12.39" West
	Area	41.52 Ha (102.6 acre)
	Surface Coverage	Undeveloped/forest

The terrain slopes downward to the east-southeast at a grade of approximately 15-20 percent from an elevation of approximately 660 to 550 metres above sea level (m-asl). The Site is situated on the west wall of the valley formed by Deep Creek, with agricultural land located in the valley bottom to the east of the Site (Figure 1).

Climate data were obtained for the year 2021 at the Salmon Arm climate station, located at an elevation of 350 m approximately 12 km north of the Site. These data indicate that the area received 366 mm of rainfall and 583 cm of snowfall in 2021. Average daily temperatures range from -2.6 °C in January to 20.7 °C in July.

3 PROPOSED DEVELOPMENT

It is proposed to subdivide the Site into five (5) large lots as shown on the attached Figure 2.

Each lot will require an "Independent On-site Water System" in accordance with the Columbia Shuswap Regional District Subdivision Servicing Bylaw No. 641. This requires each lot to have a private well capable of providing 2,275 litres per day (L/day) on a year-round basis.

Groundwater quality must be suitable for potable use and meet the Guidelines for Canadian Drinking Water Quality (GCDWQ). No water licences are required under the *Water Sustainability Act* as the wells are for domestic and firefighting purposes only.

4 SCOPE OF WORK

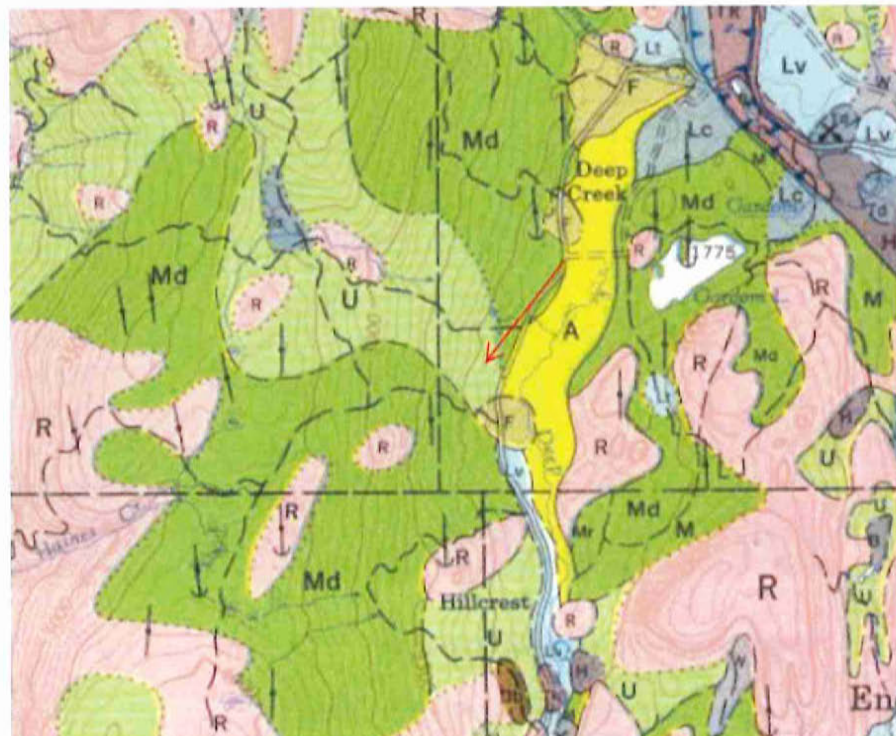
The scope of work for this project included the following:

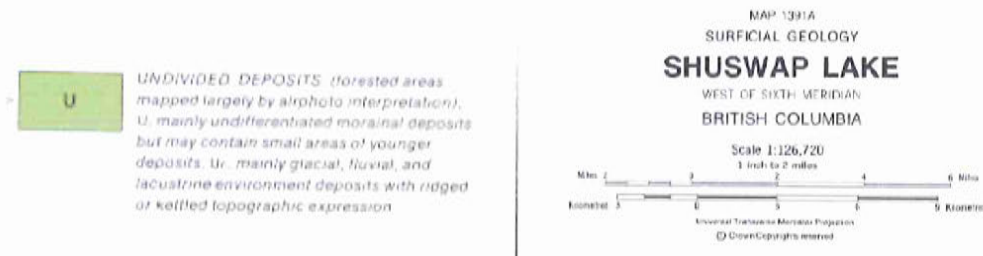
- Conduct a desktop review of:
 - Soils, surficial geology and bedrock geology maps;
 - Aquifer reports and water well construction records available on the Province's Groundwater Wells and Aquifers database;
 - Ground water licences granted or awaiting approval, available on the Water Rights Licences public data layer;
 - Groundwater quality data available on the Province's Environmental Monitoring System; and
 - Hydrogeological consulting reports for neighbouring sites available on the Province's EcoCat Ecological Reports Catalogue.
- Prepare a letter report which includes:
 - A description of aquifer(s) underlying the Site;
 - A summary of wells located within 1 km of the Site
 - A summary of groundwater quality information;
 - A preliminary assessment of the potential impact of groundwater withdrawals by the proposed development on neighbouring wells; and
 - A preliminary assessment of the potential long-term impact of proposed groundwater withdrawals on the source aquifer, with consideration given to aquifer recharge and current groundwater use.

5 GEOLOGY

5.1 Surficial Geology

The following presents the surficial geology mapping in the vicinity of the Site.

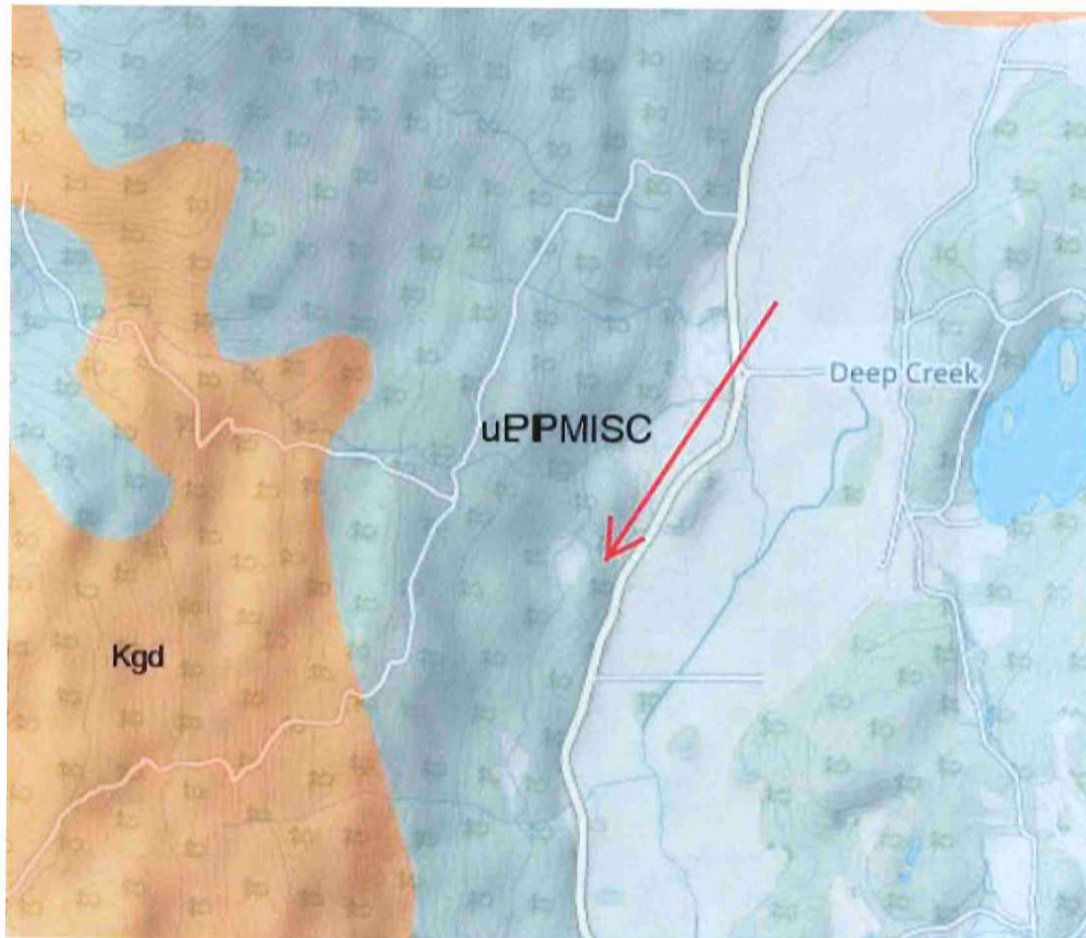




According to BC Surficial Geology Map 1391A, the Site is mapped as U, which refers to Undivided Deposits as described above. The Site is mapped as Tv, which refers to a veneer of glacial sediments.

5.2 Bedrock Geology

The following presents the bedrock geology mapping in the vicinity of the Site.

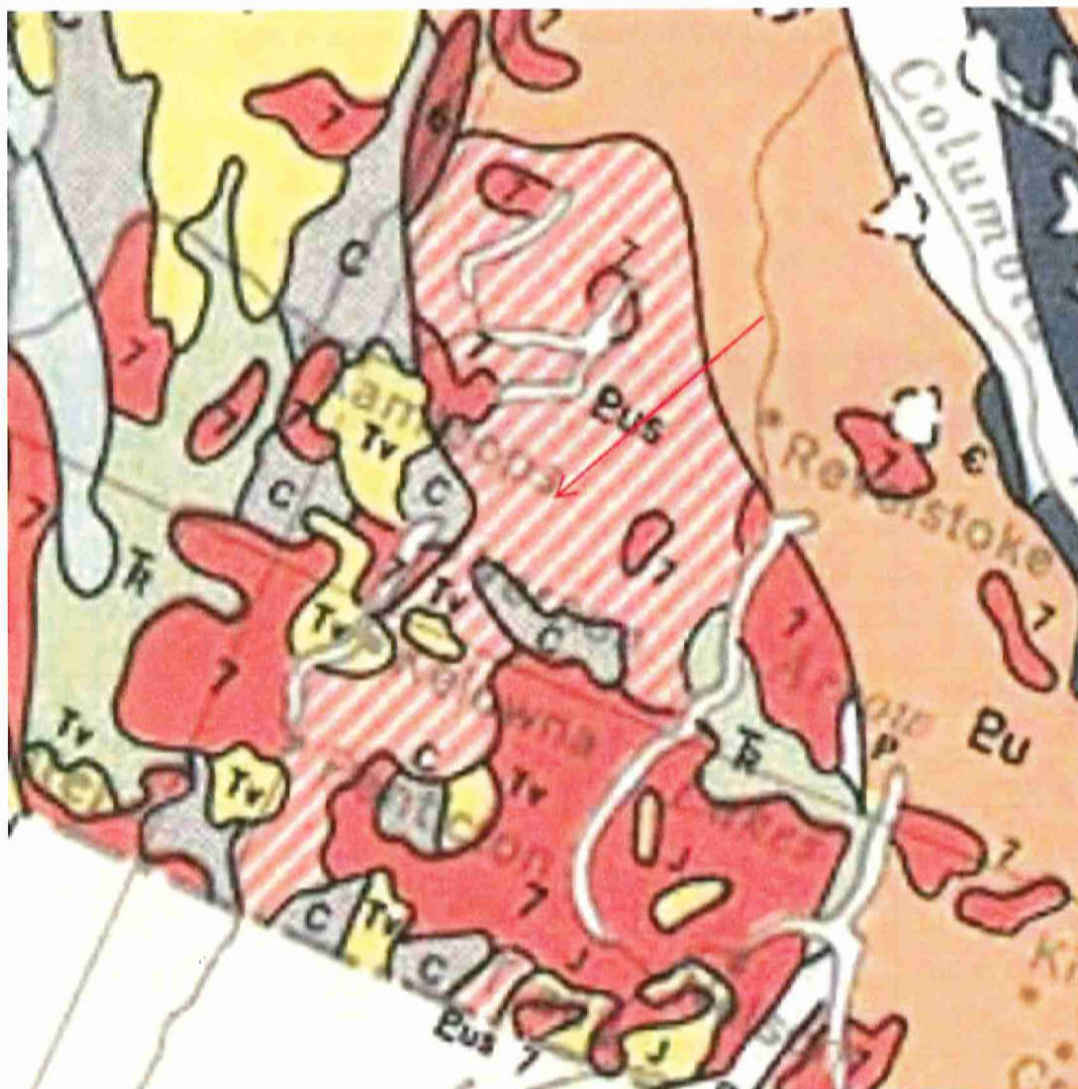


Strat Unit: uPrPzMISC

Strat Name: Mount Ida assemblage - Silver Creek Formation

Strat Age: Neoproterozoic to Paleozoic

Rock Type: mudstone, siltstone, shale fine clastic sedimentary rocks



Eus Sedimentary and volcanic rocks and derived metamorphic rocks:
argillite, quartzite, limestone; schist, gneiss, crystalline limestone;
andesite, greenstone. May be in part Palaeozoic

According to the bedrock mapping, the Site is underlain primarily by sedimentary rocks with some volcanic and metamorphic rock types.

6 GROUNDWATER RESOURCES

The BC Water Resource Atlas (BCWRA) was reviewed for available aquifer mapping and existing water well information as described in the following.

6.1 Existing Water Wells

A search of the WELLS database indicates there are fourteen (14) existing water wells within approximately 1.2 km of the Site, including the existing well on Site (WTN 1620).

EXISTING NEARBY WELLS

Address	Well Tag Number	Yield* (USgpm)	Well Depth (ft)	Depth to Water (ft)	Aquifer No.	Distance (m)
Unknown	1620	Unknown	22	6	Unknown	SITE
1108 Graystone Rd	2558	Unknown	30	Unknown	Unknown	1073
Graystone Rd	2559	Unknown	18	18	Unknown	1138
Unknown	9243	Unknown	5	2	Unknown	1125
Unknown	9264	Unknown	8	2	Unknown	1038
Graystone Rd	13792	Unknown	9	7	107	1088
Unknown	15551	Unknown	10	4	Unknown	1214
Graystone	44630	8	370	11	107	987
Graystone & Deep Creek Rd	62436	11.7	Unknown	Unknown	Unknown	664
Deep Creek Rd	62437	35	Unknown	Unknown	Unknown	827
719 Deep Creek Rd	87469	80	184	Flowing 3 USgpm	Unknown	1013
Deep Creek Rd	112795	350	84	10	Unknown	1079
1095 Deep Creek Rd	113004	Unknown	283	40	Unknown	1172
Unknown	120053	Unknown	108	Unknown	Unknown	1034

*Driller's Estimate

GREY SHADING – Site Well

As indicated in the table above, the nearby existing wells have reported yields in the range of 8 to 350 USgpm, but the majority of the wells are shallow dug wells with no yield estimates.

The BCWRA search results including the logs for the wells listed above are included in Appendix A, and the locations of the wells are shown on attached Figure 1.

6.2 Aquifer Mapping

A search of the IMapBC interface indicates that site is not situated above any mapped aquifer. It further indicates that the closest mapped aquifer is Aquifer #107 located along the valley bottom to the east of the Site as shown on Figure 1.

Aquifer #107 – Gardom Lake to Enderby – This aquifer is mapped over an area of 21.4 km². The aquifer consists of fractured crystalline rock and is classified as low productivity and moderate vulnerability. There are 103 wells correlated to the aquifer, of which 13 are artesian.

6.3 Provincial Observation Wells

There are two Provincial Observation Wells (OW381 and OW464) located in Aquifers No. 108 and 109, respectively, approximately 7 km north-northeast of the Site in Ranchero. OW381 is screened from 15.5 to 17.4 m and OW464 is screened from 93.0 to 96.0 m depth, both within overburden aquifers. Bedrock was encountered at 98.1 m depth.

There are no Provincial Observation Wells nor EcoCat reports located in close proximity to the Site.

6.4 Groundwater Quality

There is one Environmental Monitoring Station located approximately 3km northeast of the Site. It is a strata well that services a residential development at 779 Gardom Lake Road, on the north shoreline of Gardom Lake. The Well is registered in the Wells Database as WTN 119358 and has an EMS ID E277039. It is a 6-inch diameter, 23 feet deep drilled well completed 3 ft into shallow bedrock overlain with clay (to 6 ft) and sand and gravel (to 20 ft). It is tagged to Aquifer #107 in the database.

Water quality data is available for sampling events in September and October 2009, wherein samples were tested for trace metals and petroleum-sourced compounds (polycyclic aromatic hydrocarbons, benzene/toluene/xylylene, MTBE). All parameters were within the Guidelines for Canadian Drinking Water Quality (GCDWQ), with the exception of uranium, which was at the Maximum Allowable Concentration (MAC) of 0.02 mg/L in both samples (0.0203 and 0.0206 mg/L). The uranium is likely to be naturally occurring, that is, leached from rocks and soils along the groundwater flow path. As it is only marginally above the MAC and can be removed using conventional treatment technologies, the uranium is not expected to present a health concern.

7 CONCEPTUAL MODEL

Based on the gathered information we have developed a conceptual model of groundwater (flow) conditions at the Site.

The local and regional groundwater flow direction is inferred to be easterly towards the Deep Creek valley bottom. The groundwater is supplied predominantly by infiltration of precipitation within the catchment area and on the Site itself; the catchment area extends west of the Site to the peak height of land along the north-south trending ridgeline.

Although there is no mapped aquifer beneath the Site, this does not confirm the absence of an aquifer, rather it is largely a reflection of limited wells in the area to confirm the presence of an aquifer. Conceptually, there are two groundwater flow regimes beneath the Site:

1. Shallow unconfined groundwater flow within the veneer of glacial sediments; and,
2. Deeper groundwater flow within fractured sedimentary bedrock.

Sources of recharge and groundwater flow directions are inferred to be similar for both groundwater flow regimes beneath the Site.

The following is a photo of the existing on Site well (WTN 1620), which encounters the shallow groundwater flow regime within the till soils and within a few feet of ground surface.

PHOTO 1: EXISTING WELL ON-SITE (WTN 1620)



Deeper groundwater flow beneath the Site occurs within interconnected fracture networks present within the bedrock. The presence of significant water bearing fracture zones is inferred to be somewhat sporadic and therefore the required depths for drilling are difficult to predict.

No information was found on hydraulic conductivity estimates for the inferred overburden or bedrock aquifers, however, it is noted that moderate to high well yields are reported for nearby wells.

8 WATER SUPPLY ASSESSMENT

We understand that the proposed development for the Site will include five large lots, where each lot will require an "Independent On-site Water System" capable of providing 2,275 litres per day (L/day) on a year-round basis.

Available sources of information include surficial and bedrock geology mapping, satellite imagery, existing wells at and near the Site and nearby aquifer mapping. Driller-estimated well yields for existing and nearby domestic wells range from 8 to 350 USgpm (43,600 to 1,900,000 L/day). These flows are well in excess of the minimum requirement to support the proposed subdivision.

Although there is no mapped aquifer beneath the Site, there is likely two groundwater flow regimes that may supply water at the Site. The shallow regime is considered to be more susceptible to surface sources of contamination (high vulnerability) and the deeper bedrock flow regime is likely better protected (moderate vulnerability).

Overall, there appears to be sufficient groundwater resource present beneath the Site to supply the proposed development.

9 POTENTIAL IMPACTS TO NEARBY EXISTING WELLS

The BCWRA search results only identified one existing well (WTN 62436) within 500m of the subject Site boundary. This well is indicated to yield approximately 11.7 USgpm, but no other information is available including depth or construction details. This closest nearby well is located south of the Site in a cross-gradient direction to the inferred easterly groundwater flow direction. Given the significant separation distance, cross-gradient orientation and relatively high yield of the nearest existing well, there is no anticipated impact to this well expected to result from the proposed development of the Site and use of groundwater for domestic purposes.

In general, the existing wells in regional vicinity of the Site indicate a reasonably productive bedrock aquifer (for domestic purposes). The proposed development rural residential development will have negligible impact on the aquifer and existing wells.

10 CONCLUSIONS AND RECOMMENDATIONS

Active Earth has undertaken a well feasibility study for the proposed development located at 878 Deep Creek Road near Enderby, BC. The Site is planned to be subdivided into five large lots, each equipped with a groundwater well for water supply purposes.

It is Active Earth's professional opinion that there is sufficient groundwater resource underlying the Site to support the proposed development at the Site defined as 2,275 L/day per lot on a year-round basis.

We anticipate the groundwater to be of acceptable quality with respect to the Guidelines for Canadian Drinking Water Quality, with the possible exception of uranium. We recommend that the existing well (if put to use) and any new wells be tested for uranium. At the residential scale, ion exchange and reverse osmosis are expected to be effective treatment technologies for removal of uranium.

It is recommended that preference be given to constructing water supply wells within the less vulnerable and deeper bedrock aquifer, and that all wells be located in consideration of required setbacks to other wells, property lines, structures, septic disposal systems and other potential sources of contamination.

If the existing shallow well on Site (WTN 1620) is to be utilized for the proposed development, the well should be improved in accordance with BC Groundwater Protection Regulation requirements under the *Water Sustainability Act*.

11 LIMITATIONS

The use of this report by anyone is subject to the following conditions and limitations:

1. This report has been prepared at the request of the client and for the specific use referred to herein. The client [REDACTED] may rely on this report. It is not reasonable for any other party to rely on the contents of this report without first obtaining written authorization from the client and Active Earth Engineering Ltd.
2. Liability is expressly denied to any person other than the parties indicated above and those who obtain written consent. Accordingly, Active Earth Engineering Ltd. does not accept responsibility for any damage suffered by any such person as a result of decisions made or actions based on this report. Diligence by all intended users is assumed.
3. This report is believed to provide a reasonable representation of the general environmental condition at the Site. The conclusions made in this report reflect Active Earth's best judgment in light of the information available at the time of reporting. Should additional information become available or Site conditions change, the conclusions and recommendations of this report may be subject to change.

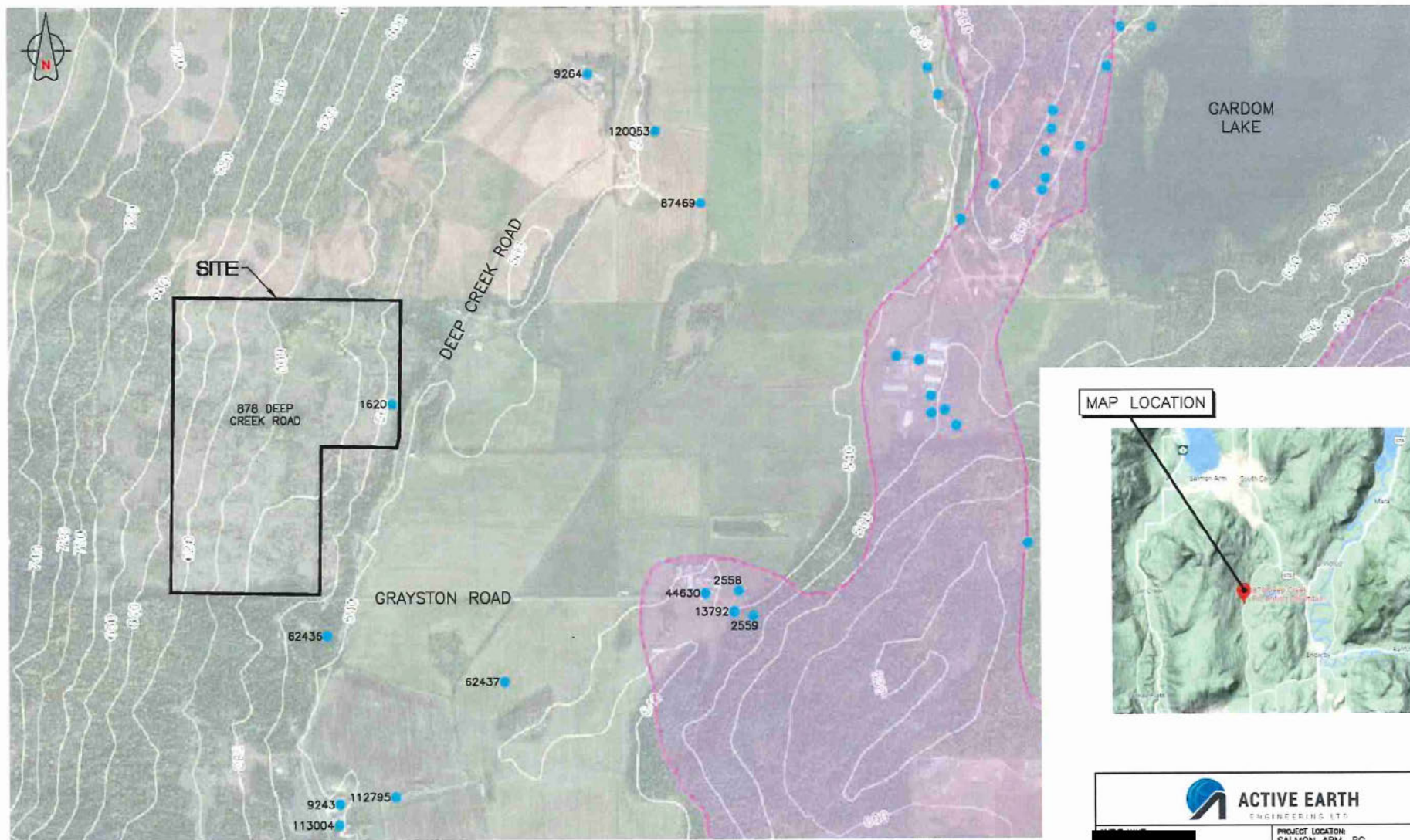
4. Active Earth Engineering Ltd. has agreed to conduct an assessment of groundwater resources to supply a rural residential subdivision and to prepare this report as requested by the client named in the report for the use specified by the client, which is stated in the report. The client has agreed that the performance of this work and the report format are appropriate for the intended use.
5. Written consent from Active Earth Engineering Ltd. must be obtained before any part of the report can be used for any purpose by anyone other than the client and other intended users identified in the report. Liability to any other party or for any other use is expressly denied regardless of who pays Active Earth Engineering Ltd.'s fee. Written consent and approval of Active Earth Engineering Ltd. must also be obtained before the report (or any part of it) can be altered or conveyed to other parties or the public through prospectus, offering memoranda, advertising, public relations, news, sales or other media.



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FIGURES



1:10,000 0 200 600m

LEGEND

- APPROXIMATE LEGAL LOT LINE
- WATER WELL
- - - - - AQUIFER BOUNDARY

MAP LOCATION



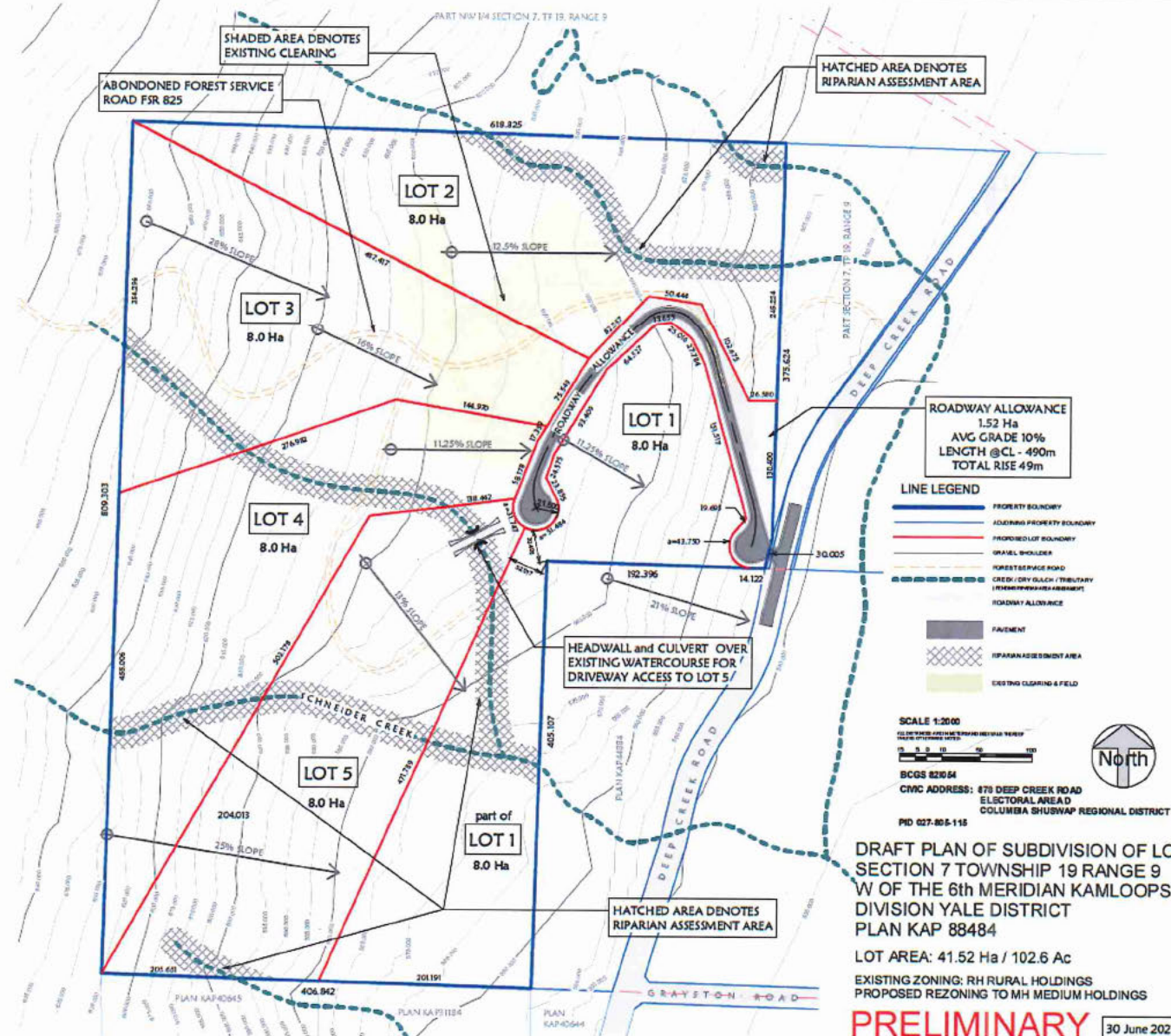
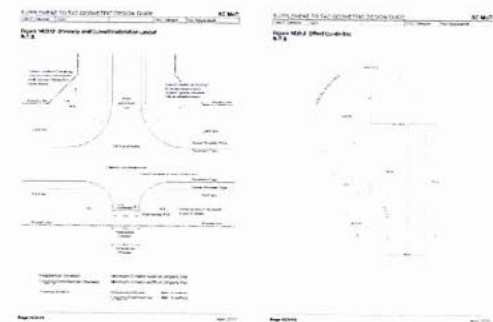
ACTIVE EARTH
ENGINEERING LTD.

PROJECT LOCATION:
SALMON ARM, BC

LOCATION PLAN & WIDE AREA SITE PLAN 878 DEEP CREEK ROAD

DWN BY: GM DWS NAME: -1 DATE: 2022-07-14
CHK'D: MDP PLOT: CADFILE: 2935

FIGURE 1

[illegible]

DRAFT PLAN OF SUBDIVISION OF LOT 1
SECTION 7 TOWNSHIP 19 RANGE 9
W OF THE 6th MERIDIAN KAMLOOPS
DIVISION YALE DISTRICT
PLAN KAP 88484

LOT AREA: 41.52 Ha / 102.6 Ac
EXISTING ZONING: RH RURAL HOLDINGS
PROPOSED REZONING TO MH MEDIUM HOLDINGS

PRELIMINARY 30 June 2021 Rev 4

CLIENT: [REDACTED]
ADDRESS: 878 DEEP CREEK ROAD
CONTACT: [REDACTED]

ENGINEER:

SEAL:

Project number	2021-03
Date	09/23/21
Drawn by	SIEGI RIEDERER
Checked by	
Scale	

SHEET NO.	OF
COLUMBIA SHUSWAP REGIONAL DISTRICT	
Reviewed for compliance with CIRD standards	
By: <input type="text"/>	Date: <input type="text"/>

COLUMBIA SHUSWAP REGIONAL DISTRICT FILE NO:



1804 302 3410
Siegfried Riedner
sriedner@jigsaw.co.uk
JIGSAW
Constructive Solutions Ltd

DRAFT SUBDIVISION PLAN

SITE PLAN 878 Deep Creek Rd

DWG NO: SD100



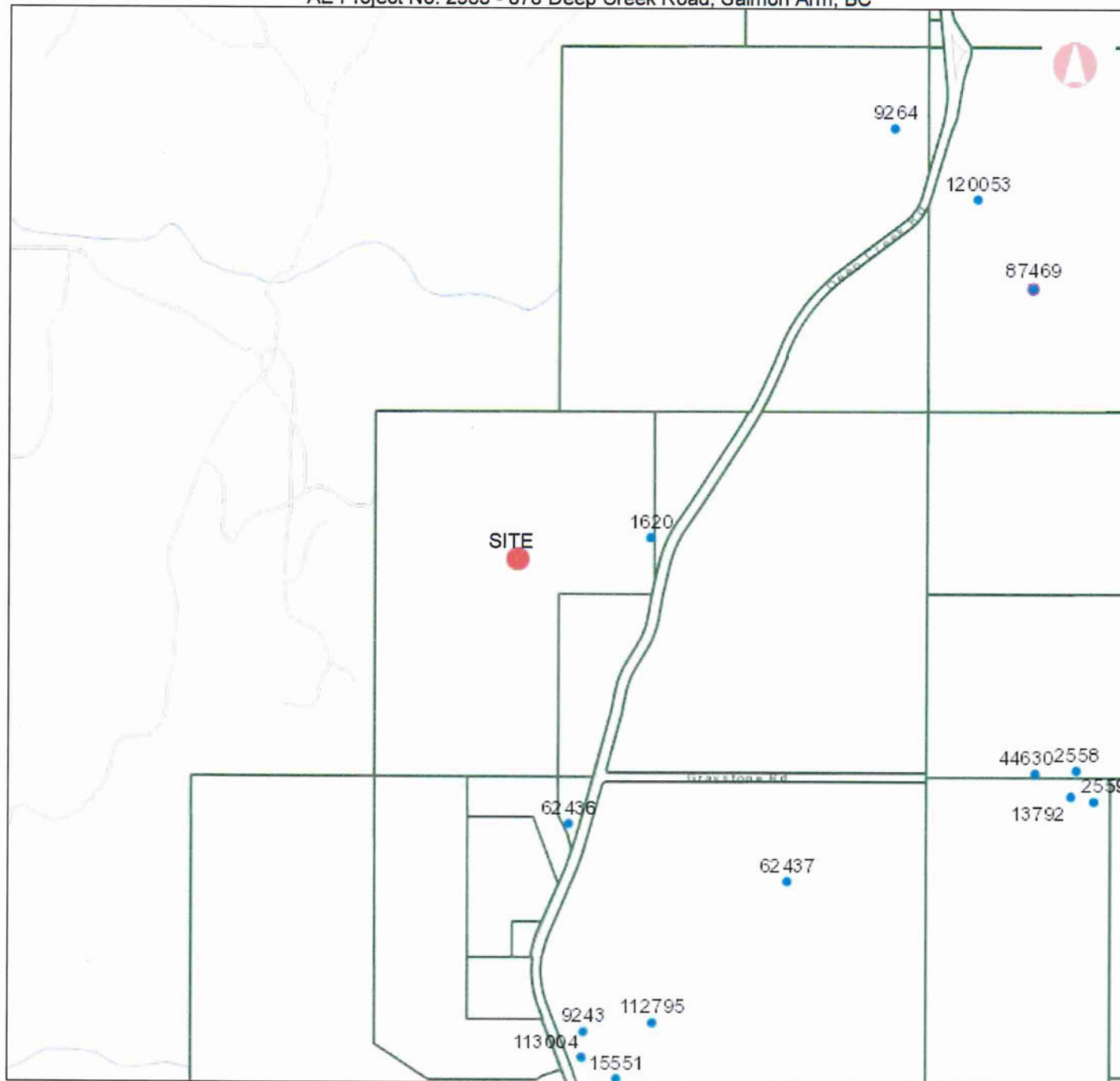
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APPENDIX A

BC Water Resource Atlas Search Results

AE Project No. 2935 - 878 Deep Creek Road, Salmon Arm, BC



iMapBC Mapping

Legend

Groundwater Wells - All
ARTESIAN_IND

- Reported Artesian Well
- Well

☐ PMBC Parcel Cadastre - Pri

0 0.41 0.81 km

1: 20,000

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Datum: NAD83

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Key Map of British Columbia



Well Summary

Well Tag Number: 1620

Well Identification Plate Number:

Owner Name: [REDACTED]

Intended Water Use: Private Domestic

Artesian Condition: No

Well Status: New

Well Class: Water Supply

Well Subclass:

Aquifer Number:

Observation Well Number:

Observation Well Status:

Environmental Monitoring System (EMS) ID:

Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address:

Town/City: ENDERBY

Legal Description:

Lot

Plan

District Lot

Block

Section 7

Township 19

Range

Land District 25

Property Identification Description
(PID)

Description of Well Location:



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.595483

Longitude: -119.236384

UTM Easting: 341721

UTM Northing: 5607230

Zone: 11

Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1930-01-01	1930-01-01	Unknown	August 13th 2003 at 3:27 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1930-01-01	1930-01-01				

Well Completion Data

Total Depth Drilled:
Finished Well Depth: 22 ft bgl
Final Casing Stick Up:
Depth to Bedrock:
Ground elevation:

Estimated Well Yield: 0 USgpm
Well Cap:
Well Disinfected Status: Not Disinfected
Drilling Method: Excavating
Method of determining elevation: Unknown

Static Water Level (BTOC): 6 feet btoc
Artesian Flow:
Artesian Pressure (head):
Artesian Pressure (PSI):
Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Molsture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	22	CLAY & ROCK						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner perforations	
Liner Diameter:	Liner Thickness:	
Liner from:	Liner to:	
	From (ft bgl)	To (ft bgl)
There are no records to show		

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:	There are no records to show				
Bottom:					

Well Development

Developed by:	Development Total Duration:
---------------	-----------------------------

Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

- [WTN 1620 Well Record.pdf](#)

Disclaimer

The information provided should not be used as a basis for making financial or any other commitments. The Government of British Columbia accepts no liability for the accuracy, availability, suitability, reliability, usability, completeness or timeliness of the data or graphical depictions rendered from the data.

Well Summary

Well Tag Number: 2558

Well Identification Plate Number:

Owner Name

Intended Water Use: Private Domestic

Artesian Condition: No

Well Status: New

Well Class: Water Supply

Well Subclass:

Aquifer Number:

Observation Well Number:

Observation Well Status:

Environmental Monitoring System (EMS) ID:

Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address: 1108 Graystone Road

Town/City: Deep Creek

Legal Description:

Lot

Plan

District Lot

Block

Section

5

Township

19

Range

Land District

25

Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.59086

Longitude: -119.22303

UTM Easting: 342651

UTM Northing: 5606688

Zone: 11

Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1945-01-01	1945-01-01	Unknown	August 13th 2003 at 3:27 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1945-01-01	1945-01-01				

Well Completion Data

Total Depth Drilled:
Finished Well Depth: 30 ft bgl
Final Casing Stick Up:
Depth to Bedrock:
Ground elevation:

Estimated Well Yield: 0 USgpm
Well Cap:
Well Disinfected Status: Not Disinfected
Drilling Method: Excavating
Method of determining elevation: Unknown

Static Water Level (BTOC):
Artesian Flow:
Artesian Pressure (head):
Artesian Pressure (PSI):
Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	30	CLAY						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:			Liner perforations	
Liner Diameter:	Liner Thickness:		From (ft bgl)	To (ft bgl)
Liner from:	Liner to:			
There are no records to show				

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					
There are no records to show					

Well Development

Developed by:	Development Total Duration:
---------------	-----------------------------

Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

- [WTN 2558 Well Record.pdf](#)

Disclaimer

The information provided should not be used as a basis for making financial or any other commitments. The Government of British Columbia accepts no liability for the accuracy, availability, suitability, reliability, usability, completeness or timeliness of the data or graphical depictions rendered from the data.

Well Summary

Well Tag Number: 2559
 Well Identification Plate Number:
 Owner Name: [REDACTED]
 Intended Water Use: Not Applicable
 Artesian Condition: No

Well Status: New
 Well Class: Unknown
 Well Subclass:
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address: Graystone Road
 Town/City: Deep Creek

Legal Description:

Lot
 Plan
 District Lot
 Block
 Section 5
 Township 19
 Range
 Land District 25
 Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.59024 Longitude: -119.22248
 UTM Easting: 342688 UTM Northing: 5606617
 Zone: 11 Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1945-01-01	1945-01-01	Unknown	August 13th 2003 at 3:27 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1945-01-01	1945-01-01				

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 18 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 0 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Excavating
 Method of determining elevation: Unknown

Static Water Level (BTOC): 18 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	18	CLAY						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner perforations	
Liner Diameter:	Liner Thickness:	
Liner from:	Liner to:	
There are no records to show		

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:	There are no records to show				
Bottom:					

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

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Well Summary

Well Tag Number: 9243
 Well Identification Plate Number:
 Owner Name: [REDACTED]
 Intended Water Use: Other
 Artesian Condition: No

Well Status: New
 Well Class: Unknown
 Well Subclass:
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address:
 Town/City: ENDERBY

Legal Description:

Lot
 Plan
 District Lot
 Block
 Section 6
 Township 19
 Range
 Land District 25

Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.585621 Longitude: -119.238446
 UTM Easting: 341542 UTM Northing: 5606138
 Zone: 11
 Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1950-01-01	1950-01-01	Unknown	August 13th 2003 at 3:27 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1950-01-01	1950-01-01				

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 5 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 0 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Excavating
 Method of determining elevation: Unknown

Static Water Level (BTOC): 2 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	2	ORGANIC MUCK						
2	5	CLAY						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner Thickness:	Liner perforations	
Liner Diameter:	Liner to:	From (ft bgl)	To (ft bgl)
Liner from:			
There are no records to show			

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					
There are no records to show					

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

- [WTN 9243 Well Record.pdf](#)

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Well Summary

Well Tag Number: 9264

Well Identification Plate Number:

Owner Name: [REDACTED]

Intended Water Use: Private Domestic

Artesian Condition: No

Well Status: New

Well Class: Water Supply

Well Subclass:

Aquifer Number:

Observation Well Number:

Observation Well Status:

Environmental Monitoring System (EMS) ID:

Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address:

Town/City: ENDERBY

Legal Description:

Lot

Plan

District Lot

Block

Section

7

Township

19

Range

Land District

25

Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.603652

Longitude: -119.228786

UTM Easting: 342286

UTM Northing: 5608122

Zone: 11

Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1950-01-01	1950-01-01	Unknown	August 13th 2003 at 3:29 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1950-01-01	1950-01-01				

Well Completion Data

Total Depth Drilled:
Finished Well Depth: 8 ft bgl
Final Casing Stick Up:
Depth to Bedrock:
Ground elevation:

Estimated Well Yield: 0 USgpm
Well Cap:
Well Disinfected Status: Not Disinfected
Drilling Method: Excavating
Method of determining elevation: Unknown

Static Water Level (BTOC): 2 feet btoc
Artesian Flow:
Artesian Pressure (head):
Artesian Pressure (PSI):
Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Molsture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	4	CLAY						
4	8	SAND & GRAVEL WATER-BEARING						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:		Liner perforations	
Liner Diameter:	Liner Thickness:	From (ft bgl)	To (ft bgl)
Liner from:	Liner to:		
There are no records to show			

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					
There are no records to show					

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

- [WTN 9264 Well Record.pdf](#)

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Well Summary

Well Tag Number: 13792
 Well Identification Plate Number:
 Owner Name: [REDACTED]
 Intended Water Use: Private Domestic
 Artesian Condition: No

Well Status: New
 Well Class: Water Supply
 Well Subclass:
 Aquifer Number: 10Z

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address: Graystone Road
 Town/City: Deep Creek

Legal Description:

Lot	NW 1/4
Plan	
District Lot	
Block	
Section	5
Township	19
Range	
Land District	25

Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.59034	Longitude: -119.2232
UTM Easting: 342637	UTM Northing: 5606630
Zone: 11	Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1952-01-01	1952-01-01	Unknown	August 13th 2003 at 3:27 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1952-01-01	1952-01-01				

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 9 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 0 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Excavating
 Method of determining elevation: Unknown

Static Water Level (BTOC): 7 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
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There are no records to show

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
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There are no records to show

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner perforations		
Liner Diameter:	Liner Thickness:	From (ft bgl)	To (ft bgl)
Liner from:	Liner to:		

There are no records to show

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					

There are no records to show

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

NO DATA. NO LOG. NO LITHOLOGIC INFORMATION AVAILABLE.

Alternative Specs Submitted: Yes

Documents

- [WTN 13792 Well Record.pdf](#)

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Well Summary

Well Tag Number: 15551
 Well Identification Plate Number:
 Owner Name: [REDACTED]
 Intended Water Use: Other
 Artesian Condition: No

Well Status: New
 Well Class: Unknown
 Well Subclass:
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address:
 Town/City: ENDERBY

Legal Description:

Lot
 Plan
 District Lot
 Block
 Section 6
 Township 19
 Range
 Land District 25
 Property Identification Description (PID)

Description of Well Location:



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.58467 Longitude: -119.237412
 UTM Easting: 341612 UTM Northing: 5606030
 Zone: 11 Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1958-01-01	1958-01-01	Unknown	August 13th 2003 at 3:27 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1958-01-01	1958-01-01				

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 10 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 0 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Excavating
 Method of determining elevation: Unknown

Static Water Level (BTOC): 4 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Molsture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	10	ORGANIC MUCK						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner perforations	
Liner Diameter:	Liner Thickness:	
Liner from:	Liner to:	
There are no records to show		

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:	There are no records to show				
Bottom:					

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

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Well Summary

Well Tag Number: 44630
 Well Identification Plate Number:
 Owner Name: [REDACTED]
 Intended Water Use: Not Applicable
 Artesian Condition: No

Well Status: New
 Well Class: Unknown
 Well Subclass:
 Aquifer Number: 10Z

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address: GRAYSTONE ROAD
 Town/City: DEEP CREEK

Legal Description:

Lot	
Plan	
District Lot	
Block	
Section	8
Township	19
Range	9
Land District	25
Property Identification Description (PID)	013903624

Description of Well Location:



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.5908	Longitude: -119.22432
UTM Easting: 342559	UTM Northing: 5606684
Zone: 11	Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1980-03-25	1980-03-25	Stewart Drilling	August 13th 2003 at 8:03 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1980-03-25	1980-03-25				

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 370 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 8 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Other
 Method of determining elevation: Unknown

Static Water Level (BTOC): 11 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	7	CLAY						
7	31	SOFT ROCK						
31	340	BEDROCK						
340	346	SAND LAYERS						
346	370	BEDROCK,SAND LAYERS						

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (In)	Wall Thickness (In)	Drive Shoe
There are no records to show						

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner Thickness:	Liner perforations	
Liner Diameter:		From (ft bgl)	To (ft bgl)
Liner from:	Liner to:		
There are no records to show			

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (In)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					
There are no records to show					

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

METHOD OF DRILLING = DRILLED

Alternative Specs Submitted: Yes

Documents

- [WTN 44630 Well Record.pdf](#)

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Well Summary

Well Tag Number: 62436
 Well Identification Plate Number: [REDACTED]
 Owner Name: [REDACTED]
 Intended Water Use: Private Domestic
 Artesian Condition: No

Well Status: New
 Well Class: Water Supply
 Well Subclass:
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address: GRAYSTON ROAD @ DEEP CREEK RD
 Town/City: ENDERBY

Legal Description:

Lot: A
 Plan: 40644
 District Lot:
 Block:
 Section: 6
 Township: 18
 Range:
 Land District: 25

Property Identification Description
 (PID)

Description of Well Location:



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.589777 Longitude: -119.238926
 UTM Easting: 341522 UTM Northing: 5606601
 Zone: 11
 Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1987-10-30		Stanley Cross	August 13th 2003 at 8:39 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1987-10-30					

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 0 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 11.7 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Excavating
 Method of determining elevation: Unknown

Static Water Level (BTOC):
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
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There are no records to show

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
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There are no records to show

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner Thickness:	Liner perforations	
Liner Diameter:		From (ft bgl)	To (ft bgl)
Liner from:	Liner to:		

There are no records to show

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					

There are no records to show

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

No comments submitted

Alternative Specs Submitted: Yes

Documents

- [WTN 62436 Well Record.pdf](#)

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Well Summary

Well Tag Number: 62437
 Well Identification Plate Number: [REDACTED]
 Owner Name: [REDACTED]
 Intended Water Use: Private Domestic
 Artesian Condition: No

Well Status: New
 Well Class: Water Supply
 Well Subclass:
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Unlicensed

Licence Number:

Location Information

Street Address: IDAVISTA FARMS LTD, DEEP CK RD
 Town/City: ENDERBY

Legal Description:

Lot: 1
 Plan: 31224
 District Lot:
 Block:
 Section: 6
 Township: 18
 Range:
 Land District: 25

Property Identification Description (PID)

Description of Well Location:



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.588631 Longitude: -119.232075
 UTM Easting: 342003 UTM Northing: 5606459
 Zone: 11
 Coordinate Acquisition Code: (100 m accuracy) Digitized from old Dept. of Lands, Forests and Water Resources maps

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	1987-11-04		Stanley Cross	August 13th 2003 at 8:39 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1987-11-04					

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 0 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield: 35 USgpm
 Well Cap:
 Well Disinfected Status: Not Disinfected
 Drilling Method: Excavating
 Method of determining elevation: Unknown

Static Water Level (BTOC):
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
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There are no records to show

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
---------------	-------------	-------------	-----------------	---------------	---------------------	------------

There are no records to show

Surface Seal and Backfill Details

Surface Seal Material: Other

Backfill Material Above Surface Seal:

Surface Seal Installation Method:

Backfill Depth:

Surface Seal Thickness:

Surface Seal Depth:

Liner Details

Liner Material:

Liner perforations

Liner Diameter:

Liner Thickness:

From (ft bgl)

To (ft bgl)

Liner from:

Liner to:

There are no records to show

Screen Details

Intake Method:

Installed Screens

Type:

From (ft bgl)

To (ft bgl)

Diameter (in)

Assembly Type

Slot Size

Material: Other

Opening:

There are no records to show

Bottom:

Well Development

Developed by:

Development Total Duration:

Well Yield

Estimation Method:

Estimation Rate:

Estimation Duration:

Static Water Level Before Test:

Drawdown:

Hydrofracturing Performed: No

Increase in Yield Due to Hydrofracturing:

Well Decommission Information

Reason for Decommission:

Method of Decommission:

Sealant Material:

Backfill Material:

Decommission Details:

Comments

Alternative Specs Submitted: Yes

Documents

- [WTN 62437 Well Record.pdf](#)

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Well Summary

Well Tag Number: 87469
Well Identification Plate Number: 49230
Owner Name: SWISS FARMS LTD.
Intended Water Use: Irrigation
Artesian Condition: Yes

Well Status: New
Well Class: Water Supply
Well Subclass: Not Applicable
Aquifer Number:

Observation Well Number:
Observation Well Status:
Environmental Monitoring System (EMS) ID:
Alternative specs submitted: No

Licensing Information

Licensed Status: Licensed

Licence Number:

Location Information

Street Address: 719 Deep Creek Road
Town/City: Deep Creek

Legal Description:

Lot
Plan
District Lot
Block
Section 8
Township 19
Range 9
Land District 25
Property Identification Description (PID) 013892240

Description of Well Location: PART NW 1/4, MERIDIAN 6, EXCEPT PLAN A11384, EXC N6.



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.60047 Longitude: -119.224439
UTM Easting: 342583 UTM Northing: 5607759
Zone: 11 Coordinate Acquisition Code: (10 m accuracy) Handheld GPS with accuracy of +/- 10 metres

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	2005-06-08	2005-06-08	Schibli Drilling	October 31st 2007 at 3:00 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
2005-06-08	2005-06-08				

Well Completion Data

Total Depth Drilled: 184 ft bgl
Finished Well Depth: 184 ft bgl
Final Casing Stick Up: 24 inches
Depth to Bedrock: 184 feet bgl
Ground elevation:

Estimated Well Yield: 80 USgpm
Well Cap: VALVED
Well Disinfected Status: Not Disinfected
Drilling Method: Air Rotary
Method of determining elevation: Unknown

Static Water Level (BTOC): 8 feet btoc
Artesian Flow: 3 USgpm
Artesian Pressure (head):
Artesian Pressure (PSI): 8
Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	24	PEAT SOIL						
24	110				grey		SILTY	
110	148				grey			
148	150	GRANITE BOULDER						
150	151				grey		COARSE	
151	172	CLAY TILL			grey			
178	184	SAND & GRAVEL			grey		FINE TO COARSE	
184								

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
0	60		Steel	8	0.219	Installed
0	171		Steel	6	0.188	Installed

Surface Seal and Backfill Details

Surface Seal Material: Bentonite clay	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:		Liner perforations	
Liner Diameter:	Liner Thickness:	From (ft bgl)	To (ft bgl)
Liner from:	Liner to:		
There are no records to show			

Screen Details

Intake Method:	Installed Screens				
Type: Telescope	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material: Stainless Steel	169.00	171.00	5.00	K_PACKER	
Opening: Continuous	171.00	175.00	5.00	K_PACKER	15.00
Slot	175.00	179.00	5.00	K_PACKER	10.00
Bottom: Plate	179.00	184.00	5.00	K_PACKER	10.00

Well Development

Developed by: Air lifting	Development Total Duration:
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Well Yield

Estimation Method: Air Lifting	Estimation Rate: 80 USgpm	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

MEASUREMENTS FROM GROUND LEVEL. NEW PITLESS UNIT=WELDED. BENTONITE GROUT BETWEEN 6" & 8" RING WELDED BETWEEN THE 2. 6" WELL SEAL & VALVE INSTALLED. FLOWING ARTESIAN. WELL RECORD X-REF'D AND ASSOCIATED W/ GW LICENSE APPLICATION.

Alternative Specs Submitted: Yes

Documents

Loading documents...



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Well Summary

Well Tag Number: 112795
 Well Identification Plate Number: 41963
 Owner Name: c/o [REDACTED] Idavista Farms
 Intended Water Use: Irrigation
 Artesian Condition: No

Well Status: New
 Well Class: Water Supply
 Well Subclass: Not Applicable
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Licensed

Licence Number:

Location Information

Street Address: Deep Creek Road
 Town/City: Enderby

Legal Description:

Lot	B
Plan	KAP 40645
District Lot	
Block	
Section	6
Township	19
Range	9
Land District	25
Property Identification Description (PID)	012929298

Description of Well Location: 260m East of Deep Creek Road, 250m West of Deep Creek



Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.5858 Longitude: -119.236294
 UTM Easting: 341695 UTM Northing: 5606153
 Zone: 11 Coordinate Acquisition Code: (10 m accuracy) ICF cadastre and good location sketch

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	2004-03-29	2004-03-30		February 14th 2017 at 1:15 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
2004-03-29	2004-03-30				

Well Completion Data

Total Depth Drilled: 84 ft bgl
 Finished Well Depth: 84 ft bgl
 Final Casing Stick Up: 24 inches
 Depth to Bedrock: 83 feet bgl
 Ground elevation: 1800 feet

Estimated Well Yield: 350 USgpm
 Well Cap: VERMIN PROOF
 Well Disinfected Status: Disinfected
 Drilling Method: Air Rotary
 Method of determining elevation: GPS

Static Water Level (BTOC): 10 feet btoc
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	73	GREY CLAY				Medium		
73	76	GREY CLAY				Medium		
76	81	BROWN GRAVEL & SAND				Medium		300
81	83.3	GREY FRACTURED BEDROCK				Hard		50
83	84	GREY SOLID BEDROCK				Very Hard		

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
0	76		Steel	8.63	0.25	Installed

Surface Seal and Backfill Details

Surface Seal Material: Bentonite clay	Backfill Material Above Surface Seal:
Surface Seal Installation Method: Poured	Backfill Depth:
Surface Seal Thickness: 3 inches	
Surface Seal Depth: 15 feet	

Liner Details

Liner Material:			Liner perforations	
Liner Diameter:	Liner Thickness:		From (ft bgl)	To (ft bgl)
Liner from:	Liner to:			
				There are no records to show

Screen Details

Intake Method: Screen	Installed Screens				
Type: Telescope	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material: Stainless	72.00	74.00	8.00	SCRN_BLANK	0.00
Steel					
Opening: Continuous	74.00	84.00	8.00	SCREEN	125.00
Slot					
Bottom: Plug					

Well Development

Developed by: Air lifting	Development Total Duration: 4 hours
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Well Yield

Estimation Method: Pumping	Estimation Rate: 350 USgpm	Estimation Duration: 24 hours
Static Water Level Before Test: 10 ft (btoc)	Drawdown: 40 ft (btoc)	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

RECORD X-REFD AND ASSOCIATED W/ GW LICENCE APP

Alternative Specs Submitted: Yes

Documents

No additional documentation available for this well.

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Well Summary

Well Tag Number: 113004
Well Identification Plate Number: 41964
Owner Name: Ida Vista Farms
Intended Water Use: Unknown Well Use
Artesian Condition: No

Well Status: New
Well Class: Water Supply
Well Subclass:
Aquifer Number:

Observation Well Number:
Observation Well Status:
Environmental Monitoring System (EMS) ID:
Alternative specs submitted: No

Licensing Information

Licensed Status: Licensed

Licence Number:

Location Information

Street Address: 1095 Deep Creek Road
Town/City: Enderby

Legal Description:

Lot	3
Plan	KAP40645
District Lot	
Block	
Section	6
Township	19
Range	9
Land District	25
Property Identification Description (PID)	012929298

Description of Well Location: 60m East of Deep Creek Road, 150m North of South Property line.



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.5851	Longitude: -119.2385
UTM Easting: 341536	UTM Northing: 5606080
Zone: 11	Coordinate Acquisition Code: (10 m accuracy) Handheld GPS with accuracy of +/- 10 metres

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Legacy record	2002-09-24	2002-09-27		April 5th 2017 at 7:08 AM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
2002-09-24	2002-09-27				

Well Completion Data

Total Depth Drilled: 283 ft bgl
Finished Well Depth: 283 ft bgl
Final Casing Stick Up: 18 inches
Depth to Bedrock:
Ground elevation: 1800 feet

Estimated Well Yield:
Well Cap: Vermin Proof
Well Disinfected Status: Disinfected
Drilling Method: Air Rotary
Method of determining elevation: GPS

Static Water Level (BTOC): 40 feet btoc
Artesian Flow:
Artesian Pressure (head):
Artesian Pressure (PSI):
Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Molsture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
0	20	Medium Brown Gravel						0
20	40	Medium Grey Sand & Clay						0
40	40	Hard Gey Bedrock						5
40	80	Hard Grey Bedrock						5
80	100	Hard Grey bedrock						2.5
100	230	Hard grey bedrock						0
230	230	Hard Grey Bedrock						2.5
230	283	Hard Grey Bedrock						0

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
0	40		Steel	6.63	0.188	Installed

Surface Seal and Backfill Details

Surface Seal Material: Bentonite clay	Backfill Material Above Surface Seal:
Surface Seal Installation Method: Poured	Backfill Depth:
Surface Seal Thickness: 2 inches	
Surface Seal Depth: 15 feet	

Liner Details

Liner Material: PVC		Liner perforations	
Liner Diameter:	Liner Thickness:	From (ft bgl)	To (ft bgl)
Liner from:	Liner to:	50	260

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (In)	Assembly Type	Slot Size
Material:					
Opening:	There are no records to show				
Bottom:					

Well Development

Developed by: Air lifting	Development Total Duration: 4 hours
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Well Yield

Estimation Method: Air Lifting	Estimation Rate: 15 USgpm	Estimation Duration: 4 hours
Static Water Level Before Test: 40 ft (btoc)	Drawdown: 283 ft (btoc)	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

Well record x-ref'd and associated w/ GW licence app

Alternative Specs Submitted: Yes

Documents

No additional documentation available for this well.

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Well Summary

Well Tag Number: 120053
 Well Identification Plate Number: 53276
 Owner Name: Swiss Farms Ltd.
 Intended Water Use: Commercial and Industrial
 Artesian Condition: No

Well Status: New
 Well Class: Water Supply
 Well Subclass: Not Applicable
 Aquifer Number:

Observation Well Number:
 Observation Well Status:
 Environmental Monitoring System (EMS) ID:
 Alternative specs submitted: No

Licensing Information

Licensed Status: Licensed

Licence Number:

Location Information

Street Address:
 Town/City:

Legal Description:

Lot
 Plan
 District Lot
 Block
 Section 8
 Township 19
 Range 9
 Land District 25
 Property Identification Description (PID) 013892240

Description of Well Location:



MapBox | Government of British Columbia, DataBC, GeoBC

Geographic Coordinates - North American Datum of 1983 (NAD 83)

Latitude: 50.60225 Longitude: -119.22618
 UTM Easting: 342466 UTM Northing: 5607961
 Zone: 11 Coordinate Acquisition Code: (10 m accuracy) Handheld GPS with accuracy of +/- 10 metres

Well Activity

Activity	Work Start Date	Work End Date	Drilling Company	Date Entered
Construction report	1989-01-01	1989-01-01		March 2nd 2020 at 4:58 PM

Well Work Dates

Start Date of Construction	End Date of Construction	Start Date of Alteration	End Date of Alteration	Start Date of Decommission	End Date of Decommission
1989-01-01	1989-01-01				

Well Completion Data

Total Depth Drilled:
 Finished Well Depth: 108 ft bgl
 Final Casing Stick Up:
 Depth to Bedrock:
 Ground elevation:

Estimated Well Yield:
 Well Cap:
 Well Disinfected Status:
 Drilling Method:
 Method of determining elevation:

Static Water Level (BTOC):
 Artesian Flow:
 Artesian Pressure (head):
 Artesian Pressure (PSI):
 Orientation of Well: VERTICAL

Lithology

From (ft bgl)	To (ft bgl)	Raw Data	Description	Moisture	Colour	Hardness	Observations	Water Bearing Flow Estimate (USGPM)
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There are no records to show

Casing Details

From (ft bgl)	To (ft bgl)	Casing Type	Casing Material	Diameter (in)	Wall Thickness (in)	Drive Shoe
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There are no records to show

Surface Seal and Backfill Details

Surface Seal Material:	Backfill Material Above Surface Seal:
Surface Seal Installation Method:	Backfill Depth:
Surface Seal Thickness:	
Surface Seal Depth:	

Liner Details

Liner Material:	Liner perforations		
Liner Diameter:	Liner Thickness:	From (ft bgl)	To (ft bgl)
Liner from:	Liner to:		

There are no records to show

Screen Details

Intake Method:	Installed Screens				
Type:	From (ft bgl)	To (ft bgl)	Diameter (in)	Assembly Type	Slot Size
Material:					
Opening:					
Bottom:					

There are no records to show

Well Development

Developed by:	Development Total Duration:
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Well Yield

Estimation Method:	Estimation Rate:	Estimation Duration:
Static Water Level Before Test:	Drawdown:	
Hydrofracturing Performed: No	Increase in Yield Due to Hydrofracturing:	

Well Decommission Information

Reason for Decommission:	Method of Decommission:
Sealant Material:	Backfill Material:
Decommission Details:	

Comments

Construction year estimated by Well Owner. Purpose Use = Livestock & Domestic WELL X-REF'D AND ASSOCIATED W/EGW LICENCE APP

Alternative Specs Submitted: Yes

Documents

No additional documentation available for this well.

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