BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-02	CAMERA #: 26	PHOTOS: 0380 - 0382
DATE: 29-Aug-2025	ARRIVAL TIME: 11:50	TECHS: LG AG
WEATHER: -5°C, windy, partly cloudy	WELL STATUS: Not a well.	

PURGING DATA

WELL DIAMETER (INCHES):	DEPTH TO WATER (M):	DEPTH TO BOTTOM (M):
STICK UP/MAGS (M):	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT:

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO FT^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 11:50	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N/A	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: LF-KP23-02 is a black pvc pipe inserted in the grand downgradient of the landfill. This is not a well. No sample collected.

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-03	CAMERA #: 26	PHOTOS:
DATE: 28-Aug-2023	ARRIVAL TIME: 16:15	TECHS: LG JJ
WEATHER: 6°C, partly cloudy	WELL STATUS: Dry.	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): N/A	DEPTH TO BOTTOM (M): 2.931
STICK UP/MAGS (M): 1.048	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT: 16:16:00

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 16:15	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Well is dry. NST.

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-04	CAMERA #: 26	PHOTOS:
DATE: 29-Aug-2025	ARRIVAL TIME: 10:30	TECHS: LG AG
WEATHER: -5°C, windy, partly cloudy	WELL STATUS: Good condition.	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): 1.568	DEPTH TO BOTTOM (M): 2.636
STICK UP/MAGS (M): 1.121	TIME OF DTW MEASUREMENT: 10:32:55	TIME OF DTB MEASUREMENT: 10:33:55

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	(1)" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000507) X [(2.636) - (1.568)] X 1000 = 0.541 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 1.62 L → 1.65 total or 0.55L per purge

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
10:45:15	10:52:40	1.668	0.55	1.4	7.42	442.9	6.23	44.5	26.79	slightly opaque, no odor
10:59:20	11:02:40	1.668	0.55	1.3	7.32	483.1	5.53	39.3	11.20	clear, no odor
11:05:47	11:09:38	1.668	0.55	0.8	7.31	489.3	5.58	39.1	7.23	" "
11:12:04	11:15:25	1.668	0.55	1.0	7.32	502	5.55	39.1	4.48	" "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 11:20	SAMPLE DEPTH (M): 2.300	VISIBLE SHEEN? N	WATER CLARITY: Clear,

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
11:16	2.2	1.0	7.32	502	5.55	39.1	4.48	Clear, no odor

NOTES: Purging had to be paused to maintain ± 0.100m drawdown
- cold temp could impact YSI temp readings inside flow cylinder
- time to full water lvl recovery = 0.45 seconds
- Hydraulic head / prime maintained in tubing throughout purging / sample
- Water stability (DTW) post sample = 1.572m

Baffinland

YSI log times | Purge log 1 = 10:58 | Purge log 2 = 11:04 | Purge log 3 = 11:11 | Purge log 4 = 11:16

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-05	CAMERA #: 26	PHOTOS: 0301-0304
DATE: 27-Aug-2025	ARRIVAL TIME: 11:35	TECHS: LG JJ
WEATHER: 2°C, cloudy, windy, snowing	WELL STATUS: Good condition, casing too tall for monument	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): 1.986	DEPTH TO BOTTOM (M): 2.210
STICK UP/MAGS (M): 1.162	TIME OF DTW MEASUREMENT: 11:40:00	TIME OF DTB MEASUREMENT: 11:40:40

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000507) X [(2.210) - (1.986)] X 1000 = 0.113 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 0.340 L → round to .350 L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
11:50:00	11:58:25	0.116	4.3	7.59	171.8	9.70	74.7	35.70	slightly opaque
12:02:21	12:03:40	0.116	3.8	7.54	341.8	10.36	77.7	35.94	opaque, no smell
12:07:05	12:08:05	0.116	3.0	7.48	344.3	10.46	77.7	24.79	slightly opaque, no odor
12:11:45	12:12:32	0.116	3.0	7.48	338.7	10.49	78.0	23.23	opaque, yellowish, "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 12:20	SAMPLE DEPTH (M): 2.100	VISIBLE SHEEN? N	WATER CLARITY: slightly turbid

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
12:14	0.464L	3.0	7.48	338.7	10.49	78.0	23.23	opaque, no odor.

NOTES: Water column very small → slow purging

YSI site = LF GW

YSI log TIMES

Purge log 1 = 12:01

Purge log 2 = 12:06

Purge log 3 = 12:11

Purge log 4 = 12:14

Final DTW = 1.940m

↳ Difficulty maintaining hydraulic head. Had to pause purging / sample flow multiple times.

Baffinland

GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-06	CAMERA #: 26	PHOTOS: 0269-0272
DATE: 26-Aug-2025	ARRIVAL TIME: 10:30	TECHS: LG JM
WEATHER: 1°C, Partly cloudy, windy	WELL STATUS: Good condition	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): 1.520	DEPTH TO BOTTOM (M): 2.210 (corrected depth = 2.814m)
STICK UP/MAGS (M): 0.910m	TIME OF DTW MEASUREMENT: 10:36:00	TIME OF DTB MEASUREMENT: 10:36:50

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000507) X [(2.210) - (1.520)] X 1000 = 0.349 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME (L rounded to 350mL)

MINIMUM REQUIRED PURGING VOLUME = 1.050 L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
10:46:00	10:47:45	0.350	3.0	7.61	301.6	9.29	69.1	9.19	Yellow tint, no odor
10:51:40	10:52:35	0.350	2.4	7.48	305.6	9.59	70.1	5.39	clear, no odor
10:55:00	10:55:50	0.350	2.0	7.44	305.1	9.62	69.7	4.41	" "
10:58:05	10:58:57	0.350	1.9	7.43	305.4	9.62	69.5	3.71	" "
11:01:35	11:02:25	0.350	1.7	7.44	304.5	9.60	68.9	3.44	" "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 11:05	SAMPLE DEPTH (M): 1.90m	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
11:03	1.75 L	1.7	7.44	304.5	9.60	68.9	3.44	clear, no odor

NOTES:

Mags = 1.030 - 0.120 = 0.910

- YSI site name = LF GW

YSI log times:
- Purge 1 log = 10:50
- Purge 2 log = 10:54
- Purge 3 log = 10:57
- Purge 4 log = 11:00
- Purge 5 log = 11:03

GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-07	CAMERA #: 26	PHOTOS: 0273-0277
DATE: 26-Aug-2025	ARRIVAL TIME: 11:22	TECHS: LG JM
WEATHER: 1°c, Partly cloudy, windy	WELL STATUS: Good condition	

PURGING DATA

corrected depth = 2.31m

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): 1.138	DEPTH TO BOTTOM (M): 2.230
STICK UP/MAGS (M): 1.039	TIME OF DTW MEASUREMENT: 11:26	TIME OF DTB MEASUREMENT: 11:27

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000507) X [(2.230) - (1.138)] X 1000 = 0.553 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 1.66 L → round to 1.80 L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
11:34:00	11:36:15	0.600	3.0	7.31	275.7	8.93	66.3	33.22	slightly turbid, no odor
11:39:30	11:40:55	0.600	2.8	7.32	283.4	8.82	65.2	12.00	turbid/yellowish
11:44:20	11:45:35	0.600	2.9	7.33	281.2	8.93	66.1	10.28	clearer, no odor
11:50:30	11:51:55	0.600	2.3	7.34	278.2	9.28	67.7	9.28	clear, no odor
11:53:40	11:54:50	0.600	2.2	7.35	277.9	9.39	68.3	6.86	" "
11:56:20	11:57:40	0.600	2.0	7.36	277.7	9.60	69.7	6.35	" "
11:59:30	12:00:52	0.600	2.1	7.37	277.7	9.72	70.5	5.21	" "
12:02:40	12:04:00	0.600	2.0	7.37	277.3	9.80	71.0	5.21	" "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 12:00	SAMPLE DEPTH (M): 1.900m	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
12:04	4.8L	2.0	7.37	277.3	9.80	71.0	5.21	clear, no odor

NOTES:

YSI log times:
- Purge log 1 = 11:39
- Purge log 2 = 11:43
- Purge log 3 = 11:50
- Purge log 4 = 11:53
- Purge log 5 = 11:56
- Purge log 6 = 11:59
- Purge log 7 = 12:02
- Purge log 8 = 12:04

YSI site name = LF GW

GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-10	CAMERA #: 26	PHOTOS: 0278 - 0281
DATE: 26-Aug-2025	ARRIVAL TIME: 13:00	TECHS: LG JM
WEATHER: 1°C, Partly cloudy, windy	WELL STATUS: Dry.	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): Dry	DEPTH TO BOTTOM (M): 2.734 (corrected depth = 2.814m)
STICK UP/MAGS (M): 0.882m	TIME OF DTW MEASUREMENT: 13:00:30	TIME OF DTB MEASUREMENT: 13:01:00

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = N/A

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 13:00	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N/A	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Well is dry. NST.

GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-11	CAMERA #: 26	PHOTOS: 0281 - 0285
DATE: 26-Aug-2025	ARRIVAL TIME: 13:10	TECHS: LG JM
WEATHER: 2°C, Partly cloudy, windy	WELL STATUS: Well casing is loose & can be moved.	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): 1.738	DEPTH TO BOTTOM (M): 2.759 (corrected depth = 2.839m)
STICK UP/MAGS (M): 1.201	TIME OF DTW MEASUREMENT: 13:11:55	TIME OF DTB MEASUREMENT: 13:12:30

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000507) X [(2.759) - (1.738)] X 1000 = 0.517 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 1.55L → rounded to 1.8L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
13:28:50	13:30:12	0.600	2.3	7.16	196.6	9.95	72.7	45.54	Slightly turbid, no odor
13:32:48	13:33:50	0.600	1.6	7.10	272.5	9.05	65.0	56.41	" " "
13:36:20	13:37:55	0.600	1.8	7.18	297.5	9.48	68.2	47.55	Opaque, no odor
13:40:00	13:41:15	0.600	1.8	7.21	306.7	9.48	68.2	41.91	" "
13:43:16	13:44:32	0.600	1.7	7.23	311.5	9.63	69.2	32.52	", no odor or colour
13:46:20	13:47:43	0.600	1.8	7.25	312.7	9.92	71.4	25.62	clearer, slightly turbid
13:49:38	13:51:00	0.600	1.8	7.27	314.7	9.93	71.5	19.51	slightly turbid, no odor
13:53:15	13:54:40	0.600	1.9	7.29	315.5	9.82	70.9	14.62	" "
13:57:10	13:58:38	0.600	1.8	7.30	317.9	9.74	70.1	13.36	" " "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 14:05	SAMPLE DEPTH (M): 2.400	VISIBLE SHEEN? N	WATER CLARITY: slightly turbid

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
14:00	5.4L	1.8	7.30	317.9	9.74	70.1	13.36	slightly turbid, no colour or odor

NOTES: Well casing is loose & can be moved vertically & twisted } Potential well sand inside
→ Difficulty inserting LDPE → got stuck on side of well casing } of well casing

YSI log times:
- Purge log 1 = 13:32
- Purge log 2 = 13:35
- Purge log 3 = 13:39
- Purge log 4 = 13:43
- Purge log 5 = 13:46
- Purge log 6 = 13:49
- Purge log 7 = 13:53
- Purge log 8 = 13:56
- Purge log 9 = 14:00

YSI site name = LF GW

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP23-13	CAMERA #: 26	PHOTOS: 0330-0333
DATE: 28-Aug-2025	ARRIVAL TIME: 10:35	TECHS: LG JJ
WEATHER: 3°C, sunny, partly cloudy, wind	WELL STATUS: Good condition	

PURGING DATA

WELL DIAMETER (INCHES): 1"	DEPTH TO WATER (M): 1.915	DEPTH TO BOTTOM (M): 2.736
STICK UP/MAGS (M): 1.062	TIME OF DTW MEASUREMENT: 10:39:45	TIME OF DTB MEASUREMENT: 10:41:25

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000507) X [(2.736) - (1.915)] X 1000 = 0.416 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 1.25 L → round to 1.5 L total

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
10:58:30	11:03:25	2.05	0.500	5.1	7.23	375.2	9.25	72.7	18.98	clear, no odor
11:09:15	11:11:05	2.25	0.500	4.3	7.14	412.6	6.88	530	8.71	clear, no odor
11:23:40	11:26:19	2.15	0.500	3.1	7.18	423.3	7.39	55.2	8.21	clear, no odor
11:29:15	11:31:09	Unknown	0.500	3.0	7.23	418.0	7.78	57.9	8.28	" "
11:36:24	11:38:20	Unknown	0.500	2.5	7.30	423.0	8.34	61.3	34.83	slightly turbid.
11:42:54	11:45:46	Unknown	0.500	3.2	7.33	420.0	8.78	65.7	5.26	clear, no odor
11:50:41	11:53:00	Unknown	0.500	2.9	7.35	423.9	8.44	62.7	4.11	clear, no odor
11:56:30	11:58:50	[redacted]	0.500	2.8	7.34	414.7	8.51	63.1	3.33	" "
		2.120								

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 12:05	SAMPLE DEPTH (M): 2.400	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS -> YSI Site = LF GW

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
12:00	4L	2.8	7.34	414.7	8.51	63.1	3.33	clear, no odor

NOTES: Small casing buried in ground 1.5 feet from monument. (see photo 0333)

Purge log 1 = 11:07
Purge log 2 = 11:22
Purge log 3 = 11:28
Purge log 4 = 11:35
Purge log 5 = 11:41
Purge log 6 = 11:49
Purge log 7 = 11:55
Purge log 8 = 12:00

- Cannot prevent drawdown under 0.1 m
- Full recovery after 2nd purge @ 11:17:40
- Full recovery after 3rd purge @ 11:27:00

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* Dip tape gets stuck in 1" casing & cannot provide reliable drawdown information *
- effort was made to reduce purging speed to lowest possible setting on pump.
DTW post sample = 2.120 m

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-25-01	CAMERA #: 27	PHOTOS: 0599-0602
DATE: 02-Sept-2025	ARRIVAL TIME: 7:45	TECHS: LG
WEATHER: -1°C, sunny, windy	WELL STATUS: Good condition	

PURGING DATA

WELL DIAMETER (INCHES): 2"	DEPTH TO WATER (M): 2.753	DEPTH TO BOTTOM (M): 3.261
STICK UP/MAGS (M): 1.328	TIME OF DTW MEASUREMENT: 7:53:30	TIME OF DTB MEASUREMENT: 7:54:15

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	(2") DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.002027) X [(3.261) - (2.753)] X 1000 = 1.03 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 3.09L → rounded to 3.15L or 1.05L per purge

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
8:08:45	8:18:00	2.850	1.05	1.2	7.47	412.5	3.77	26.7	2.98	clear, no odor
8:25:23	8:28:20	2.845	1.05	0.7	7.42	420.9	3.81	23.2	2.28	" "
8:31:40	8:37:50	2.850	1.05	0.6	7.44	422.1	3.19	22.2	2.04	" "
				Stable conditions after 3 volumes.						

SAMPLING DATA (INPUT THESE INTO EQUIS) YSI H4

SAMPLE TIME: 8:45	SAMPLE DEPTH (M): 2.960	VISIBLE SHEEN? N	WATER CLARITY: Clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
8:39	3.15	0.6	7.44	422.1	3.19	22.2	2.04	Clear, no odor

NOTES: Purging had to be paused to maintain <1.00m drawdown
YSI site = GW HUB

Baffinland

YSI log times:
Purge log 1 = 8:21
Purge log 2 = 8:30
Purge log 3 = 8:39

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-25-02	CAMERA #: 33	PHOTOS: 340 - 343
DATE: Aug 29 2025	ARRIVAL TIME: 1350	TECHS: JJ DF
WEATHER: Cloud / Snow	WELL STATUS: Dry	

PURGING DATA

WELL DIAMETER (INCHES): 2	DEPTH TO WATER (M): N/A	DEPTH TO BOTTOM (M): 4.616
STICK UP/MAGS (M): 1.368	TIME OF DTW MEASUREMENT: —	TIME OF DTB MEASUREMENT: 1355

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Well Dry - No purging

4616 - 1.368 = 3.248 Ground level to Bottom

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BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-25-03	CAMERA #: 27	PHOTOS: 0606 - 0609
DATE: 02-Sept-2025	ARRIVAL TIME: 9:50	TECHS: LG ET
WEATHER: -1°C, Sunny, windy	WELL STATUS: Casing slanted/tilted inside monument	

PURGING DATA

WELL DIAMETER (INCHES): 2"	DEPTH TO WATER (M): 2.362	DEPTH TO BOTTOM (M): 3.410
STICK UP/MAGS (M): 1.314	TIME OF DTW MEASUREMENT: 9:52:50	TIME OF DTB MEASUREMENT: 9:53:35

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.002027) X [(3.410) - (2.362)] X 1000 = 2.12 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 6.37 L total -> round to 6.45 or 2.15 L per purge

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
10:04:25	10:11:11	2.340	2.15	0.5	7.88	358.2	5.74	39.8	3.75	clear, no sed, no odor
10:13:40	10:17:48	2.415	2.15	0.4	7.82	354.9	5.77	40.0	3.86	clear, no odor
10:19:30	10:23:01	2.422	2.15	0.3	7.81	353.3	5.75	39.7	3.57	" "
			stable conditions after 3 purges							

SAMPLING DATA (INPUT THESE INTO EQUIS) YSI #4

SAMPLE TIME: 10:25	SAMPLE DEPTH (M): 3.100	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
10:23	6.45	0.3	7.81	353.3	5.75	39.7	3.57	clear, no odor

NOTES:
- Some suspended solids in initial purge -> cleared out by end of first well volume
- YSI log site = GW HWB
- New well located ~3.5 m from HWB-KP22-06

DTW post sample = 2.372 @ 10:38:30

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YSI log times:
- Purge log 1 = 10:12
- Purge log 2 = 10:18
- Purge log 3 = 10:23

GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-GW3	CAMERA #: RG	PHOTOS: 0466 - 0470
DATE: 30-Aug-25	ARRIVAL TIME: 14:00:00	TECHS: LG & AG
WEATHER: Windy, Sun & Cloud, 0°C	WELL STATUS: Damaged, bent	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M):	DEPTH TO BOTTOM (M):
STICK UP/MAGS (M): —	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT:

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	(3/4") DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: • Drivepoint located between the West HWB 7 berm & seacans • Drive point is bent & broken. Unable to take MAGS, DTW, & DTB measurements

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-GW4	CAMERA #: 26	PHOTOS: 0476 - 0480
DATE: 30-Aug-25	ARRIVAL TIME: 15:30	TECHS: L.G & A.G
WEATHER: Windy, Sun & Clouds 0°C	WELL STATUS: Damaged	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): —	DEPTH TO BOTTOM (M): —
STICK UP/MAGS (M): —	TIME OF DTW MEASUREMENT: —	TIME OF DTB MEASUREMENT: —

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = ( ) X [( ) - ( )] X 1000 = Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES:
- Seacan placed on the drivepoint - Drivepoint is bent
- Drivepoint is located on the west side of HWB4

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BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: HWB-GW-5	CAMERA #: 33	PHOTOS: 373 0375	
DATE: Aug 30 2025	ARRIVAL TIME: 1020	TECHS: JJ, JAK	
WEATHER: -2 wind / Light Snow	WELL STATUS: Active		

PURGING DATA

WELL DIAMETER (INCHES): 3/4	DEPTH TO WATER (M): 1.126	DEPTH TO BOTTOM (M): ~~1.815~~ 1.815
STICK UP/MAGS (M): 0.685	TIME OF DTW MEASUREMENT: 1025	TIME OF DTB MEASUREMENT: 1026

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.815) - (1.126)] X 1000 = 0.196 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME 0.20

MINIMUM REQUIRED PURGING VOLUME = 0.60 L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
10:49:20	10:50:18	1.22	0.2	0.7	7.56	349.6	5.49	41.8	165.34	Opaque
~~10:50:50~~	10:51:24	1.22	0.2	0.7	7.49	449.1	5.42	378	77.93	Opaque
~~10:56:30~~ 11:03:35	11:04:12	1.22	0.2	0.7	7.47	476.5	4.42	30.8	45.51	Opaque
11:10:30	11:11:10	1.22	0.2	1.3	7.46	439.5	4.54	32.2	26.69	Slighty opaque
11:17:23	11:17:45	1.22	0.2	1.7	7.45	495.1	4.18	30.1	14.16	Slightly opaque

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 1120	SAMPLE DEPTH (M): 1.515	VISIBLE SHEEN? N	WATER CLARITY: Slightly Turbid

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
11:23	1.0	1.7	7.45	495.1	4.18	30.1	14.16	Slightly opaque

NOTES: Logtime #1 - 10:55
#2 - 11:01
#3 11:09
#4 11:15
#5 11:23

Post Sampling DTW 1.119 m

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BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-GW6	CAMERA #: 27	PHOTOS: 0603-0605
DATE: 02-Sept-2025	ARRIVAL TIME: 9:05	TECHS: LG ET
WEATHER: -1°C, sunny, windy	WELL STATUS: Dry / frozen	

PURGING DATA

WELL DIAMETER (INCHES): 3/4	DEPTH TO WATER (M): N/A	DEPTH TO BOTTOM (M): 0.927
STICK UP/MAGS (M): 0.398	TIME OF DTW MEASUREMENT: 9:08:00	TIME OF DTB MEASUREMENT: 9:08:30

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = ( ) X [( ) - ( )] X 1000 = Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 9:05	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: MS Drivepoint is dry / or frozen. NST

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-GW-REF1	CAMERA #: 26	PHOTOS: 0481-0483
DATE: 30-Aug-25	ARRIVAL TIME: 15:52:10	TECHS: LG & AG
WEATHER: Windy, Sun & Clouds 0°C	WELL STATUS: Good Conditions	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): 0.779	DEPTH TO BOTTOM (M): 1.818
STICK UP/MAGS (M): 0.639	TIME OF DTW MEASUREMENT: 16:12:02	TIME OF DTB MEASUREMENT: 16:12:56

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.818) - (0.779)] X 1000 = 0.296 Litres (1.039) Rounded Up to 0.3L

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 0.888L Rounded Up to 0.9L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
16:24:26	16:26:10	—	0.3	2.3	7.09	424.2	6.60	48.3	272.17	opaque, water yellow/brownish tint
16:31:45	16:33:32	—	0.3	2.5	7.15	567	6.65	48.9	146.58	no odor, very opaque
16:35:14	16:36:50	—	0.3	2.1	7.24	641	6.69	48.6	70.63	no odor, opaque & cloudy
16:39:59	16:41:22	—	0.3	2.1	7.28	659	6.7	48.6	33.85	" ", getting clearer

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 16:45	SAMPLE DEPTH (M): 1.500	VISIBLE SHEEN? NO	WATER CLARITY: cloudy,

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
16:44	1.2	2.1	7.28	659	6.7	48.6	33.85	

NOTES:
- Drivepoint is partially obstructed - Water level & Depth had to be taken with Waterra tubing inside the drivepoint.
- Puddles of stagnant water next to drivepoint.

Baffinland

YSI Log Times
1 purge @ 16:31
2 purge @ 16:35
3 purge @ 16:40
4 Purge @ 16:44

• DTW Post Sampling : 0.765

GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-GW-REF2	CAMERA #: 26	PHOTOS: 0459 - 0461
DATE: 30-Aug-2025	ARRIVAL TIME: 11:10	TECHS: LG AG
WEATHER: -2°C, windy, cloudy	WELL STATUS: Drivepoint w/ tubing stuck inside	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): DRY	DEPTH TO BOTTOM (M): 1.742
STICK UP/MAGS (M): 0.619	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT: 11:11:00

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 11:10	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N/A	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Drivepoint located ~ 2.5m from HWB-KP22-01
↳ location is dry. NST

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-GW-REF3	CAMERA #: 26	PHOTOS: 0450 - 0453
DATE: 30-Aug-2025	ARRIVAL TIME: 08:45	TECHS: LG AG
WEATHER: -2°C, cloudy, windy	WELL STATUS: Drivepoint is partially obstructed	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): 0.534	DEPTH TO BOTTOM (M): 1.829
STICK UP/MAGS (M): 0.523	TIME OF DTW MEASUREMENT: 8:46:03	TIME OF DTB MEASUREMENT: 8:46:40

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	(3/4") DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.829) - (0.534)] X 1000 = 0.369 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 1.10 L → round to 1.125 (Total) or .370 L per purge

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
9:05:45	9:07:25	/	0.370	1.9	6.82	1788	2.65	19.2	14.95	clear, no odor
9:13:02	9:14:25	/	0.370	0.8	6.82	2807	2.14	15.1	8.52	" "
9:17:40	9:19:23	/	0.370	0.5	6.90	3035	2.18	15.3	5.61	" "
9:21:00	9:22:45	/	0.370	0.5	6.97	3069	1.79	12.5	2.88	" "
						DO not reaching stability. Sample taken after 4th purge				

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 9:25	SAMPLE DEPTH (M): 1.500	VISIBLE SHEEN? N	WATER CLARITY: Clear

FINAL YSI RESULTS → YSI log site = GW HWB, YSI #4

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
9:23	1.48	0.5	6.97	3069	1.79	12.5	2.88	Clear, no odor

NOTES: Had some difficulty inserting LDPE into drivepoint → Partially obstructed
↳ Drawdown could not be monitored in drivepoint during sample
↳ Hydraulic head / prime maintained during sample
DTW post sample : 0.655m

Baffinland

YSI log times { Purge log1 = 9:12 Purge log2 = 9:17 Purge log3 = 9:20 Purge log4 = 9:23

Landfill

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-25-01	CAMERA #: 33	PHOTOS: 0311-0314
DATE: 29 Aug 2025	ARRIVAL TIME:	TECHS: JJ
WEATHER: 2° Wind	WELL STATUS: Unknown	

PURGING DATA

WELL DIAMETER (INCHES): 2"	DEPTH TO WATER (M): —	DEPTH TO BOTTOM (M): 2.689
STICK UP/MAGS (M): ~~1.305~~ 1.303	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT: 9:57

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: New well. Blockage at 2.689 m. There was water present yesterday

2.689 - 1.303 = 1.386 = Blockage
Ground unit to Bottom

Baffinland

Thermistor Temp 0.42
0.72
-0.38

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW-REF-2	CAMERA #: 26	PHOTOS: 304-308
DATE: 27-Aug-2025	ARRIVAL TIME: 13:05	TECHS: LG JJ
WEATHER: 1°C, windy, rain & snow	WELL STATUS: Waterra stuck in drivepoint	

PURGING DATA

WELL DIAMETER (INCHES): 3/4	DEPTH TO WATER (M): 1.805	DEPTH TO BOTTOM (M): 1.872
STICK UP/MAGS (M): 0.401	TIME OF DTW MEASUREMENT: 13:11:00	TIME OF DTB MEASUREMENT: 13:11:30

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.872) - (1.805)] X 1000 = 0.0191 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 0.0573 L → rounded to 0.06L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Waterra tubing stuck inside → Water level from adjacent drivepoint ~4m away

Mags = 0.716m

DTW = 1.618m @ 13:09:35 } Water level too low to collect sample

DTB = 1.741m @ 13:10:00 } ↳ NST

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW1	CAMERA #: 26	PHOTOS: 0334 - 0338
DATE: 28-Aug-2025	ARRIVAL TIME: 12:34	TECHS: LG JJ
WEATHER: 5°C, Sunny, Windy	WELL STATUS: 2 drive points, 1 w/ tubing stuck inside	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): 0.922	DEPTH TO BOTTOM (M): 1.829
STICK UP/MAGS (M): 0.466	TIME OF DTW MEASUREMENT: 12:37:30	TIME OF DTB MEASUREMENT: 12:38:45

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.829) - (0.922)] X 1000 = 0.258 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 0.775 L → round to 0.260 per purge

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
12:54:22	12:56:26	Unknown	0.260	6.6	7.09	1014.0	3.67	30.0	37.80	Opaque, no odor
13:03:31	13:05:02	"	0.260	6.2	6.90	1644.0	2.91	23.6	18.15	slightly opaque, no odor
13:10:36	13:11:17	"	0.260	5.5	6.88	1790	2.42	19.3	6.73	clearer, no odor
13:14:59	13:15:59	"	0.260	5.0	6.90	1815	2.16	17.0	5.36	clear, no odor
13:19:12	13:19:57	"	0.260	5.7	6.92	1829	1.97	15.8	4.95	clear, no odor
13:26:27	13:27:08	"	0.260	5.2	6.94	1843	1.70	13.5	6.00	" "
13:30:00	13:31:12	"	0.260	4.9	6.96	1829	1.93	15.2	8.63	" "
13:34:03	13:35:04	"	0.260	4.6	6.97	1843	1.78	13.9	6.05	" "
13:39:49	13:40:43	"	0.260	4.1	6.97	1860	1.47	11.3	6.00	" "
13:43:08	13:43:45	"	0.260	3.6	6.98	1861	1.37	10.5	6.81	" "
13:46:41	13:47:39	"	0.260	3.6	6.99	1851	1.63	12.4	8.50	" "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS → YSI Site = LF GW

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: 2 drivepoints → 1 w/ tubing stuck inside → larger drivepoint can be sampled.
Smaller flagged drivepoint measurements
mags = 0.102 m
DTW = 0.435 m
DTB = 1.829 m

* Dip tape cannot fit inside drivepoint well during sample.

Baffinland

YSI log times:
Purge log 1 = 13:02 | Purge log 4: 13:18 | Purge log 7 = 13:33 | Purge log 10 = 13:45
Purge log 2 = 13:09 | Purge log 5: 13:25 | Purge log 8 = 13:38 | Purge log 11 = 13:50
Purge log 3 = 13:14 | Purge log 6 = 13:29 | Purge log 9 = 13:42

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW1	CAMERA #: 26	PHOTOS: 0334-0338
DATE: 28-Aug-2025	ARRIVAL TIME: 12:34	TECHS: LG JJ
WEATHER: 5°C, Sunny, Windy	WELL STATUS:	

PURGING DATA

WELL DIAMETER (INCHES):	DEPTH TO WATER (M):	DEPTH TO BOTTOM (M):
STICK UP/MAGS (M):	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT:

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
13:54:13	13:55:01	0.260	3.8	6.99	1851	1.48	11.3	7.95	clear, no odor

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 14:00	SAMPLE DEPTH (M): 1.500	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
13:56	3.12	3.8	6.99	1851	1.48	11.3	7.95	clear, no odor

NOTES: This page is a continuation of purging results.

Purge log 12 = 13:56

DTW post sample = 0.818m

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW2	CAMERA #: 26	PHOTOS: 0361 - 0367
DATE: 29-Aug-2025	ARRIVAL TIME: 09:00	TECHS: LG AG
WEATHER: -3°C, Windy, snowed last night	WELL STATUS: 1 Drivepoint good for sample	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): 1.550	DEPTH TO BOTTOM (M): 1.750
STICK UP/MAGS (M): 0.679	TIME OF DTW MEASUREMENT: 9:05:15	TIME OF DTB MEASUREMENT: 9:11:00

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.750) - (1.550)] X 1000 = 0.057 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 0.171L → round to 0.060L per purge

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
9:28:50	9:30:59	0.200	2.1	7.08	540	5.57	39.8	27.86	slightly opaque
9:34:48	9:35:09	0.06	2.0	6.96	571	4.84	35.0	23.18	" "
9:38:55	9:39:35	0.06	1.3	6.89	627	3.75	26.5	14.63	clear, no odor
9:42:45	9:42:59	0.06	1.1	6.88	657	3.37	23.8	12.55	" "
9:48:10	9:48:39	0.06	1.1	6.84	683	3.25	23.0	9.33	" "
9:51:21	9:51:42	0.06	0.9	6.84	701	3.31	23.5	11.44	" "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 9:55	SAMPLE DEPTH (M): 1.540	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
9:52	0.5	0.9	6.84	701	3.31	23.3	11.44	clear, no odor

NOTES: 3 drivepoints in 1m radius → only 1 could be sampled

* Due to low water column, first purge needed to be 200mL for YSI reading *

Mags	DTW	DTB	
0.361	~~1.750~~	1.758	= Angled drivepoint (DRY)
0.399	1.814	1.993	= Tubing stuck inside

Baffinland

YSI log times:
Purge log 1 = 9:33
Purge log 2 = 9:38
Purge log 3 = 9:41
Purge log 4 = 9:44
Purge log 5 = 9:50
Purge log 6 = 9:52

could not measure drawdown in drivepoint
↳ hydraulic head was maintained throughout purging & sample collection
DTW post sample = 1.545m

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW3	CAMERA #: 26	PHOTOS: 0309 - 0315
DATE: 27-Aug-2025	ARRIVAL TIME: 13:45	TECHS: LG JJ
WEATHER: 1°C, rain/snow, windy	WELL STATUS: 3 wells in 5m radius 2 w/ waterra stuck inside	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): 1.290	DEPTH TO BOTTOM (M): 1.749
STICK UP/MAGS (M): 0828	TIME OF DTW MEASUREMENT: 13:51	TIME OF DTB MEASUREMENT: 13:52

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	(3/4) DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.000285) X [(1.749) - (1.290)] X 1000 = 0.131 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 0.392 L → round to 0.400L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
14:05:56	14:07:45	0.133	1.9	7.12	562	2.81	20.2	195.50	opaque, yellowish
14:11:22	14:11:42	0.133	2.0	7.16	565	2.33	16.9	141.70	opaque, yellowish no odor
14:15:30	14:15:48	0.133	2.0	7.18	568	2.22	16.1	97.46	" " "
14:20:17	14:20:37	0.133	2.1	7.19	568	2.20	16.0	75.47	" " "
14:27:50	14:28:15	0.133	2.2	7.19	568	2.26	16.5	75.75	" " "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 14:35	SAMPLE DEPTH (M): 1.600	VISIBLE SHEEN? N	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
14:30	0.665	2.2	7.19	568	2.26	16.5	75.75	Opaque, yellowish

NOTES: 3 drivepoints in area. Only 1 could be sampled due to tubing stuck in other 2 wells

YSI log times:
- Purge log 1 = 14:10
- Purge log 2 = 14:14
- Purge log 3 = 14:19
- Purge log 4 = 14:26
- Purge log 5 = 14:30

DTW post sample = 1.288m @ 14:51:00

Other well measurements
mags = 0.605 & 0.130
DTW = 1.512m & 1.026
DTB = 1.827m & 1.740

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW4	CAMERA #: 26	PHOTOS: 0376 - 0379, 0383 - 0385
DATE: 29-Aug-2025	ARRIVAL TIME: 12:23	TECHS: LG AG
WEATHER: -5°C, windy, partly cloudy	WELL STATUS: 2 drivepoints 5m from PVC pipe	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M):	DEPTH TO BOTTOM (M):
STICK UP/MAGS (M):	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT:

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = ( ) X [( ) - ( )] X 1000 = Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	PURGING WATER DRAWDOWN	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		±0.1M	1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 12:25	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N/A	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: 2 drivepoints w/ waterra tubing stuck inside. & 1 black pvc pipe with a bucket on top
No sample could be collected.
Drive point measurements:

Mags	DTW	DTB
0.539	1.599	1.739
0.421	DRY	1.737

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW5	CAMERA #: 26	PHOTOS: 0386-0395
DATE: 29-Aug-2025	ARRIVAL TIME: 12:05	TECHS: LG AG
WEATHER: -5°C, windy, partly cloudy	WELL STATUS: 2 drivepoints 2m from PVC both DRY	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M):	DEPTH TO BOTTOM (M):
STICK UP/MAGS (M):	TIME OF DTW MEASUREMENT:	TIME OF DTB MEASUREMENT:

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 12:05	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N/A	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: 2 drivepoints w/ Waterra tubing stuck inside & 1 black PVC pipe w/ a bucket on top. No sample could be collected.

Drivepoint Measurements:

Mags	DTW	DTB
0.620	DRY	1.741
0.329	DRY	1.734

Both Drivepoints are Dry or Frozen.

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW-25-02	CAMERA #: 26	PHOTOS: 0368 - 0370
DATE: 29-Aug-2025	ARRIVAL TIME: 10:20	TECHS: LG AG
WEATHER: -4°C, windy, snowing	WELL STATUS: Dry / frozen?	

PURGING DATA

WELL DIAMETER (INCHES):	DEPTH TO WATER (M):	DEPTH TO BOTTOM (M): 4.636
STICK UP/MAGS (M): 1.410	TIME OF DTW MEASUREMENT: N/A	TIME OF DTB MEASUREMENT: 10:25

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 10:25	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Well is dry or frozen. NST

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-LF-GW-REF 1	CAMERA #: 26	PHOTOS:
DATE: 28-Aug-2025	ARRIVAL TIME: ~~09:37~~ 10:30	TECHS: LG JJ
WEATHER: 1°C, Partly cloudy, Sunny, Windy	WELL STATUS: Tubing stuck inside drivepoint	

PURGING DATA

WELL DIAMETER (INCHES): 3/4"	DEPTH TO WATER (M): 0.098	DEPTH TO BOTTOM (M): 0.910
STICK UP/MAGS (M): 0.110	TIME OF DTW MEASUREMENT: 10:30:30	TIME OF DTB MEASUREMENT: 10:33:00

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (CONVERSION VALUE) X [(DTB) - (DTW)] X 1000 = WELL VOLUME Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME =

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 10:30	SAMPLE DEPTH (M): N/A	VISIBLE SHEEN? N	WATER CLARITY: N/A

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Waterra tubing stuck inside drivepoint. No sample could be collected.

Dip tape used over past 3 days no longer working.
↳ switched to different tape

Baffinland

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: LF-KP22-03	CAMERA #: 26	PHOTOS: 0323-0326
DATE: 27-Aug-2025	ARRIVAL TIME: 15:15	TECHS: LG JJ
WEATHER: 1°C, windy, rain & snow	WELL STATUS: Good condition	

PURGING DATA

WELL DIAMETER (INCHES): 2"	DEPTH TO WATER (M): 1.848	DEPTH TO BOTTOM (M): 2.934
STICK UP/MAGS (M): 1.072	TIME OF DTW MEASUREMENT: 15:21:40	TIME OF DTB MEASUREMENT: 15:22:15

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	(2") DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.002027) X [(2.934) - (1.848)] X 1000 = 2.22 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 6.66L rounded to 6.75L

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
15:35:30	15:39:25	2.25L	1.3	7.09	652.0	5.29	37.7	7.81	clearish, no odor
15:42:10	15:45:21	2.25L	1.2	7.12	651.0	4.84	34.3	8.93	clear, no odor
15:47:27	15:51:27	2.25L	1.3	7.13	650.0	4.56	32.4	2.01	" "
15:54:25	15:59:00	2.25L	1.2	7.14	650.0	4.19	29.7	1.89	" "
16:00:50	16:05:05	2.25L	1.2	7.14	648.0	4.11	29.2	1.80	" "

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME: 16:10	SAMPLE DEPTH (M): 2.650	VISIBLE SHEEN? N	WATER CLARITY: clear

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
16:05	11.25	1.2	7.14	648	4.11	29.2	1.80	clear, no odor

NOTES: Some sediment noticed during initial purge.

Purge log 1 = 15:41

Purge log 2 = 15:46 DTW after sample = 1.848

Purge log 3 = 15:52

Purge log 4 = 15:59

Purge log 5 = 16:05

Baffinland

APPENDIX D-2

Well Development Fieldsheets

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-25-01	CAMERA #: 33	PHOTOS: 344 - 46
DATE: 29-Aug-2025	ARRIVAL TIME: 1420	TECHS: JJ EF
WEATHER: 2 Wind Snow	WELL STATUS: Active	

PURGING DATA

WELL DIAMETER (INCHES): 2	DEPTH TO WATER (M): 2.747	DEPTH TO BOTTOM (M): 3.272
STICK UP/MAGS (M): 1.329	TIME OF DTW MEASUREMENT: 1422	TIME OF DTB MEASUREMENT: 1423

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO πr^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.002027) X [(2.747) - (~~1.422~~ 3.393)] X 1000 = 1.06 Litres

MULTIPLY ABOVE ANSWER BY ~~3~~ 10 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 10 + 1.06 = 10.60

YSI FIELD PARAMETERS:

PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
14:50:42	14:53:18	1L	1.4	7.9	396.4	5.98	42.2	18.25	clear 347/348
14:56:57	14:58:53	1	1.4	7.83	393.0	4.61	32.7	9.27	clear 349/350
15:02:48	15:04:26	1	0.8	7.8	393.8	3.15	22.0	4.23	clear 351/352
15:07:44	15:09:25	1	0.8	7.79	395.0	2.82	19.8	4.22	clear 353/354
15:12:27	15:14:14	1	0.7	7.78	395.8	2.58	18.1	3.71	clear 355/356
15:17:05	15:18:39	1	0.7	7.77	395.5	2.34	16.3	3.43	clear 357/358
15:23:15	15:25:16	1	0.8	7.77	397.6	2.65	18.6	2.55	clear 359/360
15:28:19	15:29:41	1	0.8	7.77	396.5	2.57	17.9	2.95	clear 361/362
15:33:36	15:34:40	1	0.8	7.77	397.1	2.14	14.9	2.64	clear 363/364
15:38:31	15:39:15	1	0.7	7.76	398.0	1.39	9.7	3.81	clear 365/366

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)

NOTES: Log times 1 - 14:55
2 - 15:02
3 - 15:06
4 - 15:11 → *dropped pump line 10cm deeper (4)
5 - 15:15
6 - 15:22 *dropped another 10cm
7 - 15:26
8 - 15:32
9 - 15:37
10 - 15:43 *added 15, hit bottom

DTW (m) = 2.755 @ 15:47
End

Baffinland

New Well Development

BAFFINLAND GROUNDWATER SAMPLING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-25-03	CAMERA #: 33	PHOTOS: 0315 - 319
DATE: Aug 29 2025	ARRIVAL TIME: 1050	TECHS: JT
WEATHER: (temp, wind, etc.) 2 Wind		WELL STATUS: Active

PURGING DATA

WELL DIAMETER (INCHES): 2	DEPTH TO WATER (M): 2.309	DEPTH TO BOTTOM (M): 3.475
STICK UP/MAGS (M): 1.305	TIME OF DTW MEASUREMENT: 1053	TIME OF DTB MEASUREMENT: 1055

WELL DIAMETER QUICK CONVERSION

CONVERTS WELL DIAMETER TO π r^2	3/4" DIAMETER PIEZOMETER	1" DIAMETER PVC	2" DIAMETER PVC
	0.000285 meters	0.000507 meters	0.002027 meters

SINGLE WELL VOLUME FORMULA (USE CONVERSION VALUE IN EQUATION)

1 WELL VOLUME = (0.002027) X [(3.475) - (2.309)] X 1000 = 2.363 Litres

MULTIPLY ABOVE ANSWER BY 3 TO GET MINIMUM REQUIRED PURGING VOLUME

MINIMUM REQUIRED PURGING VOLUME = 10 x 2.363

YSI FIELD PARAMETERS:

	PURGING START TIME	PURGING END TIME	VOLUME PURGED (litres)	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
	<500ML / MINUTE		1 WELL VOL	±0.2°C	±0.1	±3%	±0.2 mg/L or ±10% (whichever is greater)		±10%	OPAQUE, CLEAR, SHEEN
	11:05:51	11:10:42	2.360	1.0	8.23	338	10.41	73.1	4.91	Clear 320
1:16 15	~~11:10:42~~	11:21:51	2.360	0.6	8.25	340.2	9.62	66.8	1.96	Clear 321 - 322
	11:25:00	11:30:05	2.360	0.7	8.25	340.5	9.18	63.9	1.38	Clear 323 325
	11:32:30	11:37:40	2.360	0.8	8.27	339.5	9.78	68.3	2.72	Clear 326 327
	11:40:30	11:46:06	2.360	0.6	8.27	340.2	9.06	62.8	1.55	Clear 328 329
	11:49:40	11:54:45	2.360	0.9	8.27	339.4	9.09	63.7	1.36	Clear 330 331
	1156 20	1202:30	2.360	1.0	8.26	337.8	8.92	62.7	1.38	clear 332 333
	1204:32	1210:13	2.360	0.9	8.25	339.0	8.90	62.3	1.54	clear 334 335
	1211 50	1216.31	2.360	0.5	8.25	338.6	8.65	59.8	1.73	clear 336 337
10	1217 50	1224 26	2.360	0.7	8.26	335.6	9.16	63.7	1.23	clear 338 339

SAMPLING DATA (INPUT THESE INTO EQUIS)

SAMPLE TIME:	SAMPLE DEPTH (M):	VISIBLE SHEEN?	WATER CLARITY:

FINAL YSI RESULTS

LOG TIME	TOTAL VOLUME PURGED	TEMP (°C)	pH	SPC (µS/cm)	DO (mg/L)	DO (%)	TURBIDITY (NTU)	COLOUR or ODOR (describe)
	23.6							

NOTES: After pumping DTW = 2.315

No drawdown concerns

Started Pumping 30cm from Bottom of Well

Moved 15cm down after 5th purge

Moved 15cm/hit bottom after 8th purge

Baffinland

Log start

11:14 11:38 1203 1224

1129 11:47 1210

1131 1155 1216

2.17

3.27 - 1.22 = 2.05

APPENDIX D-3

Slug Test Fieldsheets

BAFFINLAND SLUG TESTING FIELD SHEET

WELL/SAMPLE ID: MS-HWB-KP22-03	CAMERA #: 26	PHOTOS: 0583 - 0586
DATE: 05-Sep-25	ARRIVAL TIME: 10:30:00	TECHS: JJ & AG
WEATHER: light breeze, partly cloudy, -2°C	WELL STATUS: Good Condition	
WELL DIAMETER (INCHES): 2	DEPTH TO WATER (M): 1.574	DEPTH TO BOTTOM (M): 2.619
STICK UP/MAGS (M): 1.156	TIME OF DTW MEASUREMENT: 10:35:01	TIME OF DTB MEASUREMENT: 10:35:40

DATALOGGER INFORMATION

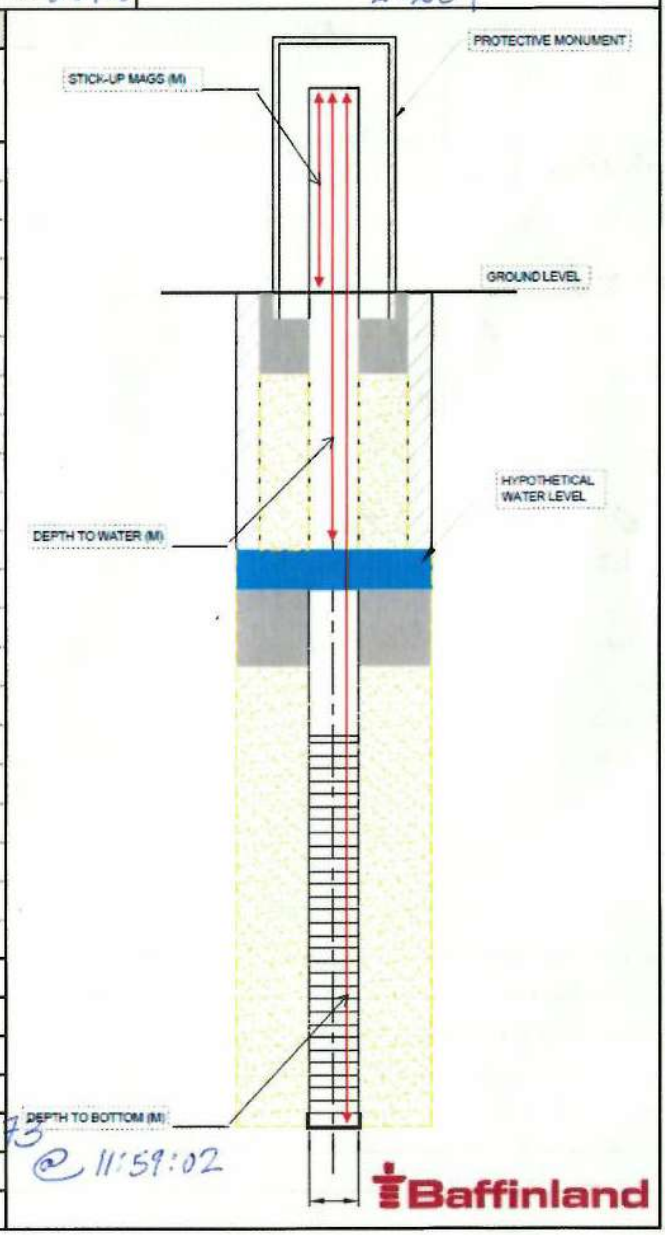
LOGGER SAMPLING RATE (SECONDS): 0.125	TARGET LOGGER DEPTH: 2.519	DTW AFTER LOGGER ADDED: 11:06:40	TIME OF DTW: [redacted] 1.570
LOGGER SERIAL NUMBER: 002-220461		DATA SAVED AND DELETED FROM LOGGER POST SAMPLE? X	
BAROLOGGER START TIME: 1059:11		LEVELOGGER START TIME: 11:02:05	

SLUG INFORMATION

SLUG TYPE: (SOLID ONLY) Solid	SLUG LENGTH: 0.42m	SLUG DIAMETER: 0.04m	TARGET SLUG DEPTH: 2.259

FALLING HEAD AND RISING HEAD TEST

TEST TYPE (RISING OR FALLING)	SLUG INSERTION TIME	ELAPSED TIME	WATER DEPTH (M TO TOP)
Rising 1	11:09:40		1.458
		11:12:35	1.574
		11:14:59	1.572
		11:17:43	1.572
Falling 1	11:19:56		1.674
		11:22:26	1.575
		11:24:42	1.574
Rising 2	11:25:52		1.476
		11:28:25	1.573
		11:31:17	1.573
Falling 2	11:31:47		1.673
		11:33:46	1.575
		11:36:14	1.573
Rising 3	11:37:06		1.465
		11:39:07	1.572
		11:41:56	1.573
Falling 3	11:43:17		1.663
		11:45:21	1.574
		11:47:22	1.575



NOTES:

End of test time: 11:48:10 DTW = 1.573

Logger Insertion Time: 11:03:40