

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen.	Client:	AAI
Well ID:	MW09-24	Project Number:	80-2013-2333
Wireless Water ID		Sampled by:	NJ/SG
Date:	May 16, 2013	Weather:	Sunny, 50C
Casing Diameter:	2"	Remarks:	
Well Stick-up:			
Condition of well:	(good) needs attention		
Photo#		Is the well marked/flagged?	(Yes) No

DTB:	11.155	m	Pressure: negative positive none
DTW:	9.145	m	
Difference:	2.01	m	
	X 2	L/m	
Volume of water in well:	4.02	Litres	15cm (6") casing has 18L/m
Volume of water to purge:	12.06	Litres	10cm (4") casing has 8L/m
Volume actually purged:		Litres	5cm (2") casing has 2L/m

UTM Coordinates:
Easting (6 digits)
Northing (7 digits)
Zone:

Purge method: Bailer Pump None Other:

Purged to dry: Yes No

Purge water disposal: Ground Container

Was sheen observed during purging or sampling? Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	ms Cond µS/cm	ORP (mv) TSS	Turbidity	Colour	Odour	Comments
1st	12.5L	1:34pm	7.30	3.0	0.99	0.50 ppt	236	Brown Murky	None	
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: May 16 Sample time: 1:30pm

Appearance: Brown + Murky Sample Colour: _____

Order of bottles collected: D. Metals, metals, routine

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Groundwater Sampling Sheet - Groundwater

Well/Facility Name: Mt. Nansen Client: AAM
 Well ID: MW09-02 Project Number: 2013-2333
 Wireless Water ID: _____ Sampled by: NS/SB
 Date: MAY 16, 3:00pm Weather: 100C, SUNNY
 Casing Diameter: 2" Remarks: _____
 Well Stick-up: _____
 Condition of well: good needs attention

Picture #: 1017

DTB:	<u>5.663</u>	m	Pressure: negative positive none
DTW:	<u>2.74</u>	m	
Difference:	<u>3</u>	m	
	<u>X2</u>	L/m	
Volume of water in well:	<u>6</u>	Litres	
Volume of water to purge:	<u>18</u>	Litres	15cm (6") casing has 18L/m
Volume actually purged:	<u>7.0</u>	Litres	10cm (4") casing has 8L/m 5cm (2") casing has 2L/m

uncapped, had only duct tape
 Is the well marked/flagged? Yes No

UTM Coordinates:
 Easting (6 digits) _____
 Northing (7 digits) _____
 Zone: _____

Purge method: Bailer Pump None Other:
 Purged to dry: Yes No
 Purge water disposal: Ground Container

Field Parameters

Was seen observed during purging or sampling?
 Yes No

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	TDS ORP (mv)	Turbidity	Colour	Odour	Comments
1st	<u>1.0</u>		<u>7.25</u>	<u>2.0</u>	<u>2.96</u>	<u>0.93</u>				
2nd	<u>5.0</u>		<u>7.22</u>	<u>1.5</u>	<u>3.40</u>	<u>1.70</u>		<u>Slight Brown</u>	<u>None</u>	
3rd	<u>7.0</u>		<u>7.27</u>	<u>1.5</u>	<u>3.38</u>	<u>1.70</u>		<u>Brown</u>	<u>"</u>	
4th								<u>Brown</u>	<u>"</u>	
5th	<u>Sample</u>		<u>7.55</u>	<u>2.7</u>	<u>3.49</u>	<u>1.75</u>	<u>27.5</u>	<u>Slight Brown</u>		
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: May 16 Sample time: 8:30pm
 Appearance: _____ Sample Colour: slightly Murky
 Order of bottles collected: D Metals, General, Nitrogen, Metals
 List any Parameters not Sampled/bottles missed: _____
 Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:
 - site access
 - hidden well location
 - safety concerns
 - unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AAM
Well ID:	B, (4m from B/H01-01 pz.)	Project Number:	263-2333
Wireless Water ID		Sampled by:	N5/SG
Date:	May 16	Weather:	Sunny, 5°C
Casing Diameter:	2"	Remarks: Ice on surface, broke through, ^{2nd} ice layer. → Disturb G/W well stick-up to top of casing = 43.5cm.	
Well Stick-up:			
Condition of well:	(good) needs attention		
Photo 136-1782 + 1783		Is the well marked/flagged?	Yes No

DTB: (at ice off layers)	3.70	m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW: (from stick-up)	3.67	m		
Difference:		m		
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
 Purged to dry: Yes No
 Purge water disposal: Ground Container

Was seen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
 Appearance: _____ Sample Colour: _____
 Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:
 - site access
 - hidden well location
 - safety concerns
 - unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	M. Narsen	Client:	AAM
Well ID:	B ₂ (7m from B401-04)	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJ/S6
Date:	May 16	Weather:	SUNNY, 50C
Casing Diameter:	2"	Remarks:	
Well Stick-up:			
Condition of well:	good needs attention		
Is the well marked/flagged?			Yes No

DTE: Ice	1.48	m	Pressure:	
DTW:		m		negative
Difference:		m	none	
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

UTM Coordinates:
Easting (6 digits)
Northing (7 digits)
Zone:

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____

Appearance: _____ Sample Colour: _____

Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AAM
Well ID: <i>un-marked</i>	7m	Project Number:	2013-2333
Wireless Water ID		Sampled by:	JS/SG
Date:	May 16	Weather:	Sunny 5°C
Casing Diameter:	2"	Remarks:	well cap is un-movable and well (7.5m from B401-04, down gradient direction)
Well Stick-up:			
Condition of well:	good needs attention	Is the well marked/flagged?	Yes No

PH 6.70-1786

DTB:		m	Pressure:	
DTW:		m		negative
Difference:		m	none	
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
 Purged to dry: Yes No
 Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond μS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____

Appearance: _____ Sample Colour: _____

Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	MT. Nansen	Client:	ADM
Well ID:	MW-09-08	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJ/SB
Date:	May 16	Weather:	10°C, sunny
Casing Diameter:	2"	Remarks:	Frozen, 1/4" poly tubing (not water)
Well Stick-up:			
Condition of well:	good needs attention		
Photo ID # 130-1789/1190		Is the well marked/flagged? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

DTP:	Ice	1.235	m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW:			m		
Difference:			m		
		X 2	L/m		
Volume of water in well:			Litres	15cm (6") casing has 18L/m	
Volume of water to purge:			Litres	10cm (4") casing has 8L/m	
Volume actually purged:			Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
 Appearance: _____ Sample Colour: _____
 Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AAM
Well ID:	MW09-20	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJS/SG
Date:	May 16 '13	Weather:	80c
Casing Diameter:	2"	Remarks:	Iced
Well Stick-up:			
Condition of well:	good needs attention		
Photo ID: #130-1791 + 130-1792		Is the well marked/flagged?	<input checked="" type="radio"/> Yes <input type="radio"/> No

DTB:	-	m	Pressure:	negative positive
DTW:	ice at 3.67	m		
Difference:		m	none	
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

UTM Coordinates:
Easting (6 digits)
Northing (7 digits)
Zone:

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was seen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
 Appearance: _____ Sample Colour: _____
 Order of bottles collected: _____
 List any Parameters not Sampled/bottles missed: _____
 Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:
 - site access
 - hidden well location
 - safety concerns
 - unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AM
Well ID:	EBA B101	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJ/SG
Date:	May 16 '13	Weather:	
Casing Diameter:	2"	Remarks: On tailings dam Thermistor cables in well	
Well Stick-up:			
Condition of well:	good		needs attention
Photo # 1801-1802		Is the well marked/flagged? Yes No	

DTB:	17.26	m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW:	10.54	m		
Difference:		m		
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____

Appearance: _____ Sample Colour: _____

Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AAM
Well ID:	MW09-23	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJS/SG
Date:	May 16 '13	Weather:	10°
Casing Diameter:	2"	Remarks: Data logger down well.	
Well Stick-up:			
Condition of well:	<u>good</u> needs attention		
Photo ID #: 1803	Is the well marked/flagged? Yes No		

DTB:	15.880	m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW:	11.605	m		
Difference:		m		
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____

Appearance: _____ Sample Colour: _____

Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	M. Narsen	Client:	NAM
Well ID:	MPG9-05	Project Number:	2013-82333
Wireless Water ID		Sampled by:	NJ/SB
Date:	May 16 : 10:30am	Weather:	
Casing Diameter:	1 1/4" (no outer casing)	Remarks:	- 1/2" poly tube, no outer casing could not sample bc bailer too large to fit inside casing.
Well Stick-up:			
Condition of well:	good	needs attention	
Photo ID: 1795-1796		Is the well marked/flagged?	Yes No

DTB:	1.825	m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW:	1.375	m		
Difference:	0.45	m		
	X 2	L/m	32	
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was seen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
 Appearance: _____ Sample Colour: _____
 Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	MH Nansen	Client:	AAU
Well ID:	EBA BH08	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJ/SG
Date:	May 16 '13	Weather:	gac
Casing Diameter:	2"	Remarks: Ice found at 1.330m. Stick up is detached about 40cm from the top. The two ends are connected by a joint	
Well Stick-up:			
Condition of well:	good needs attention		
Photo ID: # 130-1797		Is the well marked/flagged? <input checked="" type="radio"/> Yes No	

DTB:	-	m	Pressure:
DTW:	frozen 1.330	m	
Difference:	-	m	none
	X 2	L/m	
Volume of water in well:		Litres	15cm (6") casing has 18L/m
Volume of water to purge:		Litres	10cm (4") casing has 8L/m
Volume actually purged:		Litres	5cm (2") casing has 2L/m

UTM Coordinates:
Easting (6 digits)
Northing (7 digits)
Zone:

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
 Appearance: _____ Sample Colour: _____
 Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt Nansen	Client:	AAM
Well ID:	MW09-21	Project Number:	2013-2333
Wireless Water ID		Sampled by:	NJ/SG
Date:	May 16 '13	Weather:	
Casing Diameter:	2"	Remarks: 1/4" poly tubing and thin wire cable	
Well Stick-up:			
Condition of well:	good needs attention		
Photo ID: # 130-1798		Is the well marked/flagged?	Yes No

DTB:		m	Pressure:		
DTW: frozen	1.335	m	negative	positive	
Difference:		m	none		
	X 2	L/m			
Volume of water in well:		Litres	15cm (6") casing has	18L/m	
Volume of water to purge:		Litres	10cm (4") casing has	8L/m	
Volume actually purged:		Litres	5cm (2") casing has	2L/m	

UTM Coordinates:
Easting (6 digits)
Northing (7 digits)
Zone:

Purge method: Bailer Pump None Other:
 Purged to dry: Yes No
 Purge water disposal: Ground Container

Was sheen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____

Appearance: _____ Sample Colour: _____

Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AAM
Well ID:	EBA BH05	Project Number:	2013-2333
Wireless Water ID:		Sampled by:	NJ/SG
Date:	May 16 '13	Weather:	
Casing Diameter:	2"	Remarks:	
Well Stick-up:			
Condition of well:	good needs attention		
Photo ID # 1799			
		Is the well marked/flagged?	<input checked="" type="radio"/> Yes <input type="radio"/> No

DTB:	10.322	m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW:	3.805	m		
Difference:		m		
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailor Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was seen observed during purging or sampling?
 Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
Appearance: _____ Sample Colour: _____
Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No Duplicate Sample ID: _____

Additional Notes:
- site access
- hidden well location
- safety concerns
- unusual well behaviour

Field Sampling Sheet - Groundwater

Site/Facility Name:	Mt. Nansen	Client:	AAM
Well ID:	MPO 9-04	Project Number:	2013-2333
Wireless Water ID	#	Sampled by:	NJS/S67
Date:	May 16 '13	Weather:	8°C
Casing Diameter:	2" 1/4"	Remarks: No outer casing - Frozen Contains 1/4" poly tubes Located on the side of the seepage pond	Is the well marked/flagged? <input checked="" type="checkbox"/> Yes No
Well Stick-up:			
Condition of well:	good <u>needs attention</u>		

Photo ID: #130-1793

DTB:		m	Pressure: negative positive none	UTM Coordinates: Easting (6 digits) Northing (7 digits) Zone:
DTW: Frozen	1.60	m		
Difference:		m		
	X 2	L/m		
Volume of water in well:		Litres	15cm (6") casing has 18L/m	
Volume of water to purge:		Litres	10cm (4") casing has 8L/m	
Volume actually purged:		Litres	5cm (2") casing has 2L/m	

Purge method: Bailer Pump None Other:
Purged to dry: Yes No
Purge water disposal: Ground Container

Was seen observed during purging or sampling?
Yes No

Field Parameters

	Volume (L)	Time	pH	Temp °C	Cond µS/cm	ORP (mv)	Turbidity	Colour	Odour	Comments
1st										
2nd										
3rd										
4th										
5th										
6th										
7th										
8th										

write additional lines on the back

Sample Descriptions:

Sample date: _____ Sample time: _____
 Appearance: _____ Sample Colour: _____
 Order of bottles collected: _____

List any Parameters not Sampled/bottles missed: _____

Were Samples Filtered and Preserved? Yes No

Duplicate Sample? Yes No **Duplicate Sample ID:** _____

Additional Notes:

- site access
- hidden well location
- safety concerns
- unusual well behaviour



Project No.: 2013-2333 File: _____

Client: ARL

Subject: Geochemistry Sampling

By: NRS Date: May 16 '13

Sheet 1 of Ghd: Date:

Weather 5°C + Moderate wind
partly cloudy overcast

DESIGN NOTES

3:45 pm

Ore Ramp Area at south end of the pit. No water currently running. Patches of snow remain. There are several ponds of water. ~~No samples were collected~~

Photos: # 1819-1825

Sample below pit ramp 10m upgradient of the V-intersection. (Photos 1826+1827). Small pond sampled. Field preserved + filtered

Ore Ramp -
pH: 7.54
EC (mS): 0.32
Temp: ~~3.3~~ 3.2 °C
TDS (ppt): 0.16
Turbidity (NTU): 26.5

Waste Rock and Waste Rock Pile on SW side found 1 running stream after the stream beds (~~the~~ Photos 1828-1831 dry streams; Photos 1832-1835). The stream runs through snow pack in a trench.

Waste Rock, pH: 7.73
Pile 01 EC (mS): 2.34
Temp: 0.1 °C
TDS (ppt): 1.7
Turbidity (NTU): 5.77

(sampled @ 4:30 pm)

Lower Platform Sampled @ 5:55 pm Photos: 1847-1851

- Small stream downstream from road, directly across from first large mill building closest to bunkhouse.
- Stream flows through snowpack in front of mill and braids as it crosses the road. Hydrocarbon sheen present near sample location in the stream. Should return with bottles.

pH 7.73
EC (mS) 0.18
Temp: 1.8 °C
TDS (ppt) 0.09
Turbidity: 48.3

Upper Platform Sampled @ 6:20 pm

- Small stream cut in snow from behind 1st building, but no running water behind 3rd building. Stream braids on flat surface upstream of sample and joins to meet at the sample location. Seep stream then flows over tin into old sled tank.

pH 8.43
EC (mS) 1.32
Temp 1.3 °C
TDS (ppt) 0.65
Turbidity 3.04

↑
into flat surface is not visible
visibly running

Photos - 1852+1853



Client: AAM

Subject: Groundwater Observations

By: NJ/SG

Date: May 16 '13

DESIGN NOTES

Sheet

1 of _____

Chk'd: _____

Date: _____

Well ID	Well Diameter (")	▽(m)	Bottom(m)	Thimble(s)	Photo	Comments
EPA B1102	2	12.765	22.	Yes	1804	No other use
EPA B1103	2	could not sample	impaired by cables		1805	
EPA B1106	2	5.095	17.97	yes	1806	
EPA B1107	2	could not sample	impaired by cables		1807	
EPA B1107	2	3.963(100)		yes	1808	
- Down gradient from H04, 1st red well	2"	6.750	9.225	yes	1809	unmarked
- Down gradient from B04, 2nd red well	2"	6.815	8.44	yes	1810	some silt, unmarked
Down gradient from B1104, 3rd red well	2"	6.705	8.195	yes	1811	unmarked