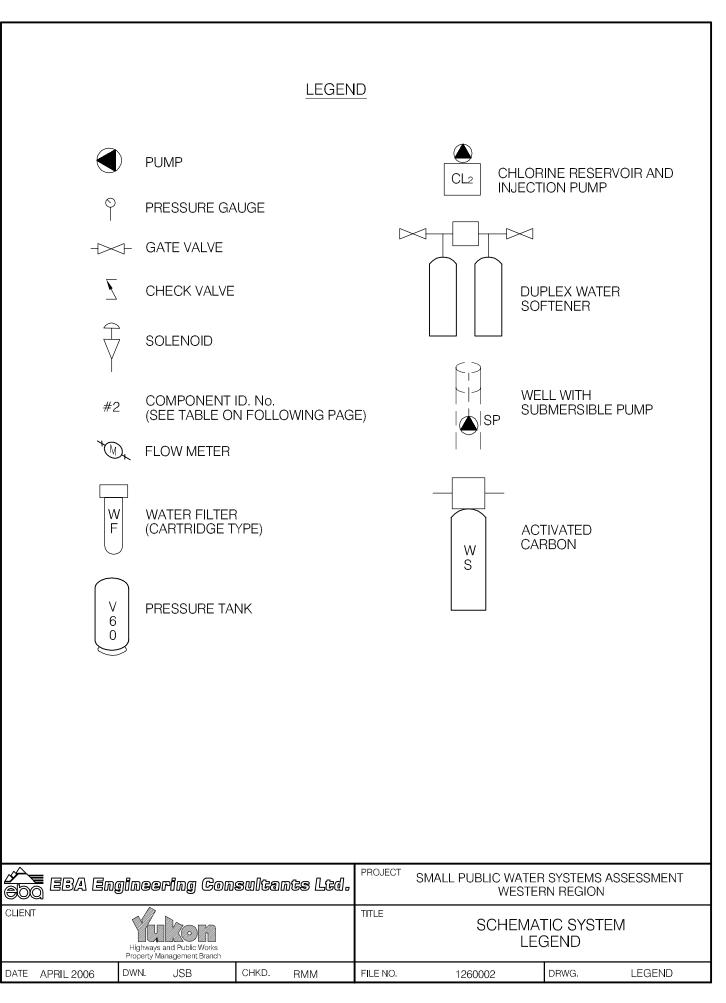
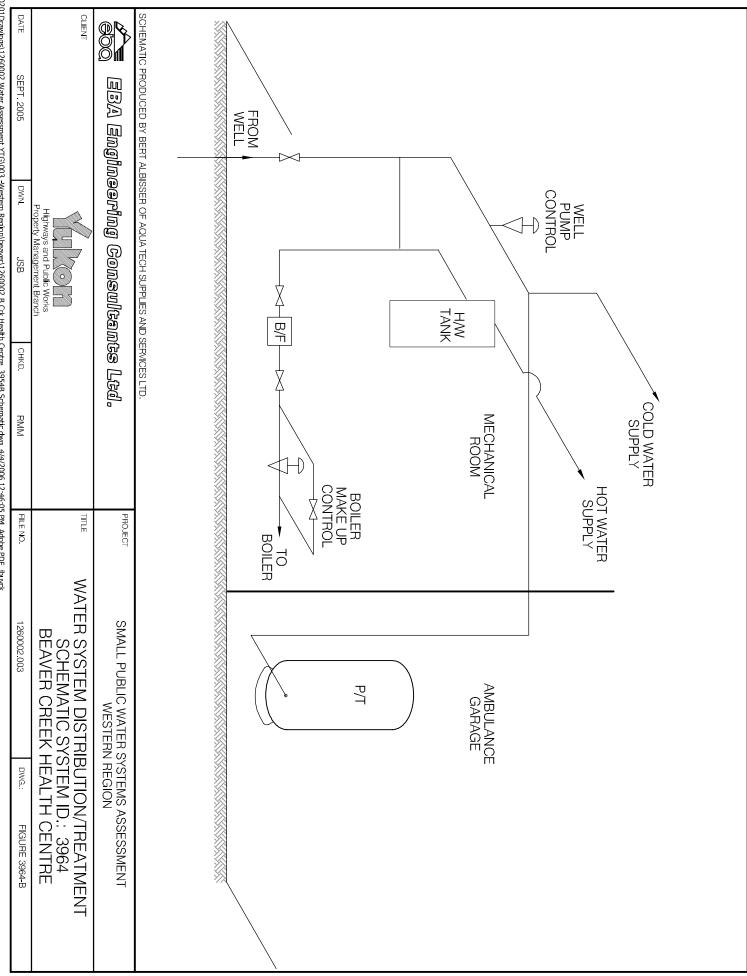


uuliee Leeu. Vulic Works ament Branch	ancs Ltd.		ZE AND LOCATION APPROXIMATE)
WESTERN REGION GOVERNMENT OF YUKON HIGHWAYS & PUBLIC WORKS BEAVER CREEK HEALTH CENTRE BUILDING # 3964 SITE LOCATION DIAGRAM WELL ID: 3964 FIGURE No. FIGURE 3964-A	SMALL PUBLIC WATER SYSTEMS ASSESSMENT		





2:\0201Drawings\1260002 Water Assessment YTG\003 -Western Region\beaver\1260002 B Crk Health Centre\_3954B Schematic.dwg, 4/4/2006 12:46:05 PM, Adobe PDF, jbuyck

July 2005

# Western Region – Beaver Creek Health Centre Building # 3964

# DISTRIBUTION & TREATMENT SYSTEM DATA

		1 B.		2440 - 1/4" NOT								
	Size	4" Sub.		-0472								
	Serial No.											
	Part No.			đ								
۶	Model	3/4 11-2.	WX 203	FSG-2		4	-		- -			
	Manufacturer	N WOUN NY	Wer & The i	Sandle D								
	Item Description	Sup Run P	- HK	Switch								
	ltem	۲	2	ო	4	2	g	7	ω	თ	9	

С. А. TABLE 3964-1: SUMMARY OF BACTERIOLOGICAL RESULTS

		•	•				Mart Desert	1- 10-21
		Number of	Time Period	Any Positive	Fraction of	Number of Time Period Any Positive Fraction of Any positive	MOST Recent	IS MOST
		Sampling	over which	over which Total Coliform	Positive	E.Coli results?	E.Coli results? Sampling Event Recent Result	<b>Recent Result</b>
		Events	Sampling	Results?	Total	(yes or no)	Available for	Positive?
			was Done	(yes or no)	Coliform		EBA Review	
					Results vs.			
					Total			
					Sampling			
					Events			
Building #	Building # Building Name							
	Beaver Creek Health	0	Sept-04 to	g	0/0	ç	16Iun-05	C
3964	3964 Centre	2	Jun-05	2	200	2		2

Table	3964-2	: Water	Quality	Results

Treatment         None           Disinfection         On-site well           Source of Water         On-site well           Purpose of Sampling         Base Line         Additional Analytical           Sample Location         Image: Sample S	Table	: 3904-Z.	water	quanty	Results		
Valdress         None           Treatment         None           Source of Water         On-site well           Purpose of Sampling         Base Line         Additional           Sample Location         Additional           Date Sampled         21-Sep-04         15-Jun-05         Z/Jul-05         Lower         Upper Limit           Partoneous         515         -         AO         MAC         AO           Date Sampled         21-Sep-04         15-Jun-05         Z/Jul-05         Lower         Upper Limit           Total biosited Solids         259         316         -         15         500           total biosited Solids         259         316         -         15         500           total biosited Solids         259         316         -         1         5           total biosited Solids         259         316         -         1         5           total biosited Solids         259         -         AO >200 = poor, > 500 unacceptable <sup>6</sup> total biosited Solids         250         -         40         -         1         5           total biosited Solids         32.4         37.1         -         -         250	SOURCE	-					
Valdress         None           Treatment         None           Source of Water         On-site well           Purpose of Sampling         Base Line         Additional           Sample Location         Additional           Date Sampled         21-Sep-04         15-Jun-05         Z/Jul-05         Lower         Upper Limit           Partoneous         515         -         AO         MAC         AO           Date Sampled         21-Sep-04         15-Jun-05         Z/Jul-05         Lower         Upper Limit           Total biosited Solids         259         316         -         15         500           total biosited Solids         259         316         -         15         500           total biosited Solids         259         316         -         1         5           total biosited Solids         259         316         -         1         5           total biosited Solids         259         -         AO >200 = poor, > 500 unacceptable <sup>6</sup> total biosited Solids         250         -         40         -         1         5           total biosited Solids         32.4         37.1         -         -         250							
Treatment         None           Disinfection         On-site well           Source of Water         On-site well           Purpose of Sampling         Base Line         Additional Analytical           Sample Location         Image: Sample S	Address		Deaver Greek				
Disinfection         None         GCDWQ Criteria           Source of Water         On-site well         Additional Additional Base Line           Sample Location         1         15-Jun-05         27-Jul-05         Lower         Upper Limit           Physiel Tests (46.5)         -         -         AO         MAC         AO           Colum (CU)         <5			None		1		
Source of Water         On-site well           Purpose of Sampling         Base Line         Base Line         Additional Analytical           Sample Location         Descendent         Additional           Sample Location         Descendent         Mathematical           Date Sampled         21-Sep-04         15-Jun-05         27-Jul-05         Lower         Upper Limit           Partice State (MS)         -         AO         MAC         AO           CUD         <5         <.0         -         IS         -           State State (MS)         255         AO<>200 = poor, >500 unacceptable         State         State           Ortal Dasolvet Solids         259         316         -         IS         State           State State (MS)         Descendent Along (MS)         Descendent Along (MS)         Descendent Along (MS)         IS         State           Vir Markmere         97.0         -         AD         State         State         State           State StOA         32.4         37.1         -         State         State           State Ningen N         0.6         0.61         -         10           State Ningen N         0.05         0.010         -         AD	Disinfection	1			GCDWQ Criteria		
Purpose of Sampling         Base Line         Base Line         Additional Analytical           Sample Location         213-Sep-04         15-Jun-05         27Jul-05         Lower         Upper Limit           Physiel Test (ALS)         AO         MAC         AO         AO           Colum         (CU)         <5					GCDWQ Criteria		
Parpose of Sampling         Base Line         Passe Line         Analytical Wathvorm up           Sample Location         21-Sep-04         15-Juno5         27-Julo5         Lower         Upper Limit           Date Sampled         21-Sep-04         15-Juno5         27-Julo5         Lower         Upper Limit           Orderity (UC)         <5	Source of Water	ļ	On-site wel				
Sample Location         tap           Date Sampled         21-Sep-04         15-Jun-05         27-Jul-05         Lower         Upper Limit           Date Sampled         21-Sep-04         15-Jun-05         27-Jul-05         AO         MAC         AO           Solur         (CU)         <5	Purpose of Sampling	Base Line	Base Line	Analytical			
Date Sampled         21-Sep-04         15-Jun-05         27-Jul-05         Lower         Upper Limit           Physical Tests (ALS)         -         AO         MAC         AO           Colum (CU)         <5	Semple Location						
Physical Tests (ALS)         AO         MAC         AO           Colour         (CU)         <5		21 8 04	16 1		L OWOF	E la seconda	T inclu
Calour         (CU)         <5         <5.0          115           Canductivy         (SCm)         515         -         15           Canductivy         (SCm)         515         -         500           Canductivy         (SCm)         234         255         -         AO >200 = poor, > 500 unacceptable <sup>0</sup> SH         8.06         8.13         -         6.5         8.5           Turbisty         (NTU)         1.6         0.74         -         1         5           VV Monstruce         97.0         0         0         0         0         0         0           Storestand         10.17.4         16.2         -         250         0         0         1.5         5           Silkate         SiO4         2.4         37.1         -         10         0 <td< td=""><td></td><td>21-Sep-04</td><td>15-Jun-05</td><td>27-Jui-05</td><td></td><td></td><td></td></td<>		21-Sep-04	15-Jun-05	27-Jui-05			
Conductivity         US         S15         -         S00           Coal Disolved Solids         259         316         -         S00           Handness         CaCO3         223         255         -         AO >200 = poor, > 500 unacceptable           H         8.06         8.13         -         6.5         8.5           Tarbiday         (NTU)         1.6         0.74         -         1         5           V/V Akorbance         -         0.0130         -         -         -         -           V/V Akorbance         -         97.0         -         -         -         -           Alkalinity-Total         CaCO3         191         218         -         -         -           Stobed Alones (4L5)         -         -         250         -					AO	MAC	
Gall Dissolved Solids         259         316         -          500           fardness         CaCO3         234         255         -         AO >200 = poor, > 500 unacceptable <sup>6</sup> bit         8.06         8.13         -         6.5         8.85           Turbidity         1.6         0.74         -         1         5           UV Aborbance         0.0130         -         -         1         5           UV Aborbance         97.0         -         -         -         -           Solowed Anions ( <i>MLS</i> )         -         -         -         -         -           Alkalinity-Total         CaCO3         191         218         -         -         -         -           Choride C         17.4         16.2         -         -         250         -         -         -         -         -         -         -         -         -         -         -         500         Nitrate Nitrogen N         -         0.66         0.61         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		<5					15
Hardness       CaCO3       234       255       -       AO >200 = poor, > 500 unacceptable <sup>A</sup> H       8.06       8.13       -       6.5       8.5         UV Absorbance       0.0130       1       5         UV Absorbance       0.0130       -       -         VA borbance       97.0       -       -         Visorbance       97.0       -       -         Visorbance       97.0       -       -         Obsolved Anions (ALS)       -       -       -         Adalitity-Total CacO3       191       218       -       -         Chride C1       17.4       16.2       -       1.5         Sileate SO4       32.4       37.1       -       10         Nitrice Nitrogen N       0.6       0.6 ft       -       10         Nitrice Nitrogen N       -       -       -       -         Total Mesia (ALS)       -       -       -       -         Administrogen N       <0.05							500
ht         8.06         8.13         -         6.5         8.5           Tarbidity (NTU)         1.6'         0.74         -         1         5           V/V Absorbance         0.0130         -         -         1         5           V/V Transmittance         97.0         -         -         -         -           Dissolved Anloss (ALS)         -	Total Dissolved Solids	259	316	-			
Tarbidity         (NTU)         1.6         0.74         -         1         5           VV Morsmittance         97.0         0         00130         0	Hardness CaCO3	234	255	-	AO >200 =	poor, > 500 u	nacceptable <sup>A</sup>
UV Absorbance         0.0130         0.0130           % UV Transmittance         97.0	pH	8.06	8.13	-	6.5		8.5
% UV Transmittance         97.0           Dissolved Anions (ALS)         -           Dissolved Anions (ALS)         -           Akaliniy-Total CaCO3         191         218         -           Choride CI         17.4         16.2         -         250           Nurde F         <0.05	Turbidity (NTU)	1.6	0.74	-		1	5
% UV Transmittance         97.0           Dissolved Anions (ALS)         -           Dissolved Anions (ALS)         -           Akaliniy-Total CaCO3         191         218         -           Choride CI         17.4         16.2         -         250           Nurde F         <0.05	UV Absorbance			0.0130			
Disolved Anloss (ALS)         Image: Constraint of the second secon	% UV Transmittance	[			<b>1</b>		
Akalinity-Total         CaCO3         191         218         -         250           Choride         CI         17.4         16.2         -         250           Floride         F         <0.05							
Chloride         CI         17.4         16.2         .         250           Fluoride         F         <0.05		101	218				
Fluoride       F       <0.05 $0.048$ -       1.5         Silicate       Si04       32.4       37.1       -       500         Nitrate Nitrogen       N $0.6$ $0.61$ -       10         Nitrate Nitrogen       N $0.6$ $0.61$ -       10         Nitrike Nitrogen       N $0.6$ $0.61$ -       10         Nitrike Nitrogen       N $0.65$ $0.10$ -       .         Call Phosphate       PO4       -       -       .       .         Total Metals (ALS)       -       .       .       .       .         Antimony       T-Sb $<0.0002$ $<0.0005$ .       0.025       .         Barium       T-Ba $0.052$ $0.050$ .       1       .       .         Boron       T-B $0.027$ $<0.10$ .       .       .       .       .         Chromium       T-Ca       83.0       -       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .							250
Silicate         SiO4         32.4         37.1         -         500           Sulphate         SO4         32.4         37.1         -         500           Nitrate Nitrogen         N         0.6         0.61         V         -         10           Nitrite Nitrogen         N         -         3.2         -	······································					1.5	230
Sulphate         S04 $32.4$ $37.1$ .         500           Nitrate Nitrogen         N $0.6$ $0.61$ $ 10$ Nitrite Nitrogen         N $<0.05$ $<0.10$ $ 3.2$ Ammonia Nitrogen         N $   -$ Total Phosphate         PO4 $   -$ Aluminum         T-Al $<0.0025$ $<0.010$ $  -$ Atuminum         T-Al $<0.0020$ $<0.0026$ $0.0025$ $  -$ Antimony         T-Sb $<0.0002$ $<0.0025$ $ 0.025$ $                                -$		~0.03	0.046			1.5	
Nitrate Nitrogen         N         0.6         0.6T         1         10           Nitrice Nitrogen         N         <0.05		22.4	271				500
Nitrike Nitrogen         N         <0.05         <0.10         .         3.2           Anmonik Nitrogen         N         -						10	
Ammonia Nitrogen         -         -         -         -           Total Phosphate         PO4         -         -         -         -           Total Phosphate         PO4         -         -         -         -         -           Total Metals (AL.5)         -         -         -         -         -         -           Antimony T-Sb         <0.0002							
Total Phosphate         PO4         -         -         -         -         -           Total Metals (ALS)         -		<0.05	<0.10			3.2	
Total Metals (ALS)         Constrained in the second s		·					
Aluminum T-Al       <0.005	Total Phosphate PO4	<b></b>					
Aluminum T-Al       <0.005							
Antimony T-Sb $< 0.0002$ $< 0.00050$ $ 0.006$ Arsenic T-As $0.0003$ $0.00026$ $ 0.025$ Barium T-Ba $0.052$ $0.050$ $ 1$ Boron T-B $0.027$ $< 0.10$ $ 5$ Cadmium T-Cd $< 0.00010$ $< 0.0020$ $ 0.005$ Calcium T-Ca $83.0$ $ 0.005$ $-$ Chronium T-Cr $0.0011$ $< 0.0020$ $ 0.055$ Cadrium T-Ca $0.0011$ $< 0.0020$ $ 0.055$ Copper T-Cu $0.140$ $0.0678$ $ 1$ Iron T-Fe $0.15$ $0.052$ $ 0.3$ Lead T-Pb $0.0013$ $0.0040$ $ 0.01$ Magnesium T-Mg $11.6$ $ 0.001$ Mercury T-Hg $< 0.0020$ $ 0.001$ Potassium T-K $1.45$ $ -$ Selenium T-Se $< 0.0005$ $0.00037$					<b> </b>		
Arsenic T-As $0.0003$ $0.00026$ - $0.025$ Barium T-Ba $0.027$ $0.10$ - $5$ Cadmium T-Cd $<0.0001$ $<0.00020$ - $0.0055$ Cadmium T-Cd $<0.0001$ $<0.00020$ - $0.0055$ Cadmium T-Ca $83.0$ -       -       -         Chronium T-Cr $0.0011$ $<0.0020$ - $0.055$ Chronium T-Cr $0.0011$ $<0.0020$ - $0.055$ Chronium T-Cr $0.011$ $<0.0020$ - $0.05$ Chronium T-Cr $0.0011$ $<0.0020$ - $0.05$ Chronium T-Cr $0.013$ $0.0040$ - $0.01$ Magaese T-Mn $0.008$ $0.0096$ - $0.001$ Margaese T-Mn $0.008$ $0.0096$ - $0.001$ Potassium T-K $1.45$ -       - $200$ Uranium T-V $<0.0005$ $0.00037$ - $0.02$ Vanadium T-V $<0.0005$ $0.00037$ - $0.02$ Vanadium				-	[		
Barium T-Ba         0.052         0.050         -         1           Boron T-B         0.027         <0.10	······································						
Boron         T-B $0.027$ $<0.10$ $ 5$ Cadmium         T-Cd $<0.00001$ $<0.0020$ $ 0.005$ Cadrum         T-Ca $83.0$ $ 0.005$ Chromium         T-Cr $0.0011$ $<0.0020$ $ 0.05$ Copper         T-Cu $0.140$ $0.0678$ $ 1$ Iron         T-Fe $0.15$ $0.052$ $ 0.3$ Lead         T-Pb $0.0013$ $0.0040$ $ 0.01$ Maganese         T-Mg $11.6$ $ 0.05$ Marganese         T-Mn $0.008$ $0.0096$ $ 0.05$ Mercury         T-Hg $<0.0020$ $ 0.001$ $-$ Sodium         T-Na $1.45$ $  -$ Sodium         T-Na $5.0$ $ 0.02$ $-$ Vanadium         T-V $     -$	Arsenic T-As			-		0.025	
Cadmium         T-Cd         <0.0001         <0.0020         -         0.005           Calcium         T-Ca         83.0         -         0.05           Chromium         T-Cr         0.0011         <0.0020				-			
Calcium T-Ca         83.0         -         0.05           Chromium T-Cr         0.0011         <0.0020	Boron T-B			-			
Chromium T-Cr $0.0011$ $<0.020$ - $0.05$ Copper T-Cu $0.140$ $0.0678$ - $1$ Iron T-Fe $0.15$ $0.052$ - $0.3$ Lead T-Pb $0.0013$ $0.0040$ - $0.01$ Magnesium T-Mg $11.6$ -         0.05           Marganese T-Mn $0.008$ $0.0096$ - $0.05$ Mercury T-Hg $<0.0020$ - $0.001$ Potassium T-K $1.45$ -         -           Selenium T-Se $<0.0010$ - $0.01$ Sodium T-Na $5.0$ - $200$ Uranium T-U $<0.0005$ $0.0037$ - $0.02$ Vanadium T-V         -         -         -         -           Zinc T-Zn $0.485$ $0.176$ -         5           Tannin and Lignin $0.10$ -         -         -           Field Chemistry (EBA)         -         -         -         - $pH$ 7.68         6.5         <	Cadmium T-Cd	<0.00001				0.005	
Copper         T-Cu         0.140         0.0678         -         1           Iron         T-Fe         0.15         0.052         -         0.3           Lead         T-Pb         0.0013         0.0040         -         0.01           Magnesium         T-Mg         11.6         -         0.01           Magnese         T-Mn         0.008         0.0096         -         0.05           Mercury         T-Hg         <<0.0020	Calcium T-Ca			-			
Iron T-Fe $0.15$ $0.052$ - $0.3$ Lead T-Pb $0.0013$ $0.0040$ - $0.01$ Magnesium T-Mg $11.6$ - $0.01$ Manganese T-Mn $0.008$ $0.0096$ - $0.01$ Marganese T-Mn $0.008$ $0.0096$ - $0.01$ Mercury T-Hg $<0.00020$ - $0.001$ Potassium T-K $1.45$ -       -         Selenium T-Se $<0.0010$ - $0.01$ Sodium T-Na $5.0$ - $200$ Uranium T-U $<0.0005$ $0.00037$ - $0.02$ Vanadium T-V       -       -       -       -         Zinc T-Zn $0.485$ $0.176$ -       5         Organic Parameters       -       -       -       -         Total Organic Carbon C       1.41       -       -         Field Chemistry (EBA)       -       -       -       -         pH       7.68       6.5       8.5       500         EC (uS/cm)       593       -       -       -				-			
Lead         T-Pb $0.0013$ $0.0040$ - $0.01$ Magnesium         T-Mg         11.6         -         0.05           Manganese         T-Mn $0.008$ $0.0096$ -         0.05           Mercury         T-Hg $< 0.0020$ - $0.001$ Potassium         T-K         1.45         -         0.01           Selenium         T-Se $< 0.0010$ -         0.01           Sodium         T-Na $5.0$ -         200           Vanadium         T-V $< 0.0005$ $0.00037$ - $0.02$ Zinc         T-Zn $0.485$ $0.176$ - $1.002$ $1.002$ Total Organic Carbon         C	Copper T-Cu			-		1	
Magnesium T-Mg       11.6       -	Iron T-Fe			-			0.3
Manganese T-Mn $0.008$ $0.0096$ - $0.05$ Mercury T-Hg         <0.00020	Lead T-Pb	0.0013		-		0.01	
Mercury T-Hg       <0.00020	Magnesium T-Mg			-			
Potassium T-K       1.45       -       0.01         Selenium T-Se       <0.0010	Manganese T-Mn	0.008	0.0096	-			0.05
Selenium T-Se       <0.0010	Mercury T-Hg		< 0.00020	-		0.001	
Sodium         T-Na         5.0         -         200           Uranium         T-U         <0.0005	Potassium T-K		1.45	-			
Uranium T-U       <0.0005	Selenium T-Se		< 0.0010	-		0.01	
Vanadium         T-V         -         -         .           Zinc         T-Zn         0.485         0.176         -         5           Organic Parameters         .         .         .         .         5           Tannin and Lignin         0.10         .         .         .         .           Total Organic Carbon         C         1.41         .         .         .           Field Chemistry (EBA)         . </td <td>Sodium T-Na</td> <td></td> <td>5.0</td> <td>-</td> <td></td> <td></td> <td>200</td>	Sodium T-Na		5.0	-			200
Zinc         T-Zn         0.485         0.176         -         5           Organic Parameters         0.10         0.10         0.10         0.10           Tannin and Lignin         0.10	Uranium T-U	< 0.0005	0.00037	-		0.02	
Organic Parameters         One of the second se	Vanadium T-V			-			
Tanin and Lignin         0.10            Total Organic Carbon         C         1.41            Field Chemistry (EBA)              pH         7.68         6.5         8.5           TDS (ppm)         297         500           EC (uS/cm)         593            Temperature (°C)         14.7            Free Available Chlorine	Zinc T-Zn	0.485	0.176	-			5
Total Organic Carbon C         1.41            Field Chemistry (EBA)         1         1         1           pH         7.68         6.5         8.5           TDS (ppm)         297         500         500           EC (uS/cm)         593         1         1           Free Available Chlorine         14.7         1         1	Organic Parameters						
Field Chemistry (EBA)         7.68         6.5         8.5           pH         7.68         6.5         8.5           TDS (ppm)         297         500           EC (uS/cm)         593         7           Temperature (°C)         14.7         7           Free Available Chlorine         7         14.7	Tannin and Lignin						
pH         7.68         6.5         8.5           TDS (ppm)         297         500           EC (uS/cm)         593            Temperature (°C)         14.7            Free Available Chlorine	Total Organic Carbon C			1.41			
pH         7.68         6.5         8.5           TDS (ppm)         297         500           EC (uS/cm)         593            Temperature (°C)         14.7            Free Available Chlorine							
pH         7.68         6.5         8.5           TDS (ppm)         297         500           EC (uS/cm)         593            Temperature (°C)         14.7            Free Available Chlorine	Field Chemistry (EBA)						
Z97         500           EC (uS/cm)         593           Temperature (°C)         14.7           Free Available Chlorine         14.7				7.68	6.5		8.5
EC (uS/cm)         593           Temperature (°C)         14.7           Free Available Chlorine         14.7							
Temperature (°C)     14.7       Free Available Chlorine     14.7			1				
Free Available Chlorine					1		
		1	1		1		1
	Notes:						

A. Guidelines indicated for hardness are not CDWQG, rather they are general aesthetic guidelines

- exceedences are indicated in yellow highlighting.

Italics and underline indicates exceedence of proposed MAC (ie. arsenic)

Bold with Yellow highlighting indicates exceedence of CDWQG Aesthetic Objective (AO)

Bold Underline with Yellow highlighting indicates exceedence of CDWQG MAC

Results are expressed as milligrams per litre except for pH and Colour (CU)

Conductivity (umhos/cm), Temperature (°C) and Turbidity (NTU)

< = Less than the detection limit indicated.

AO = Aesthetic Objective

MAC = Maximum Acceptable Concentration (Health Based)



Creating and Delivering Better Solutions

### SMALL PUBLIC WATER SYSTEM ASSESSMENT

### PART A: EBA Site Inspection

Inspector: Ryan Martin, Luke Lebel

Date July 27, 2005

WELL ID #	Owner	Location Description
3964	YTG	Beaver Creek Health Centre

### 1. Well Location and Potential Contaminant Sources

- a. General location of well: (Community, Subdivision, etc.) Beaver Creek
- b. Specific location: (Road or street, Building number, name of owner and/, legal description,

. Gl	PS location: N 6916660 E 506316 ±9m
	Is there electric power? I Yes INO
	Is there outside water access? X Yes INO
•	Does the well system have:
口1: 乃	5 or more service connections to a piped distribution system? If so how many beaver Creek Health Centre
] 5	5 or more delivery sites on a trucked distribution system? If so how many
5.	Nearest building, specify <u>Benver</u> Creek Health Centre
1.	Distance from well to building $3m$
	If there is an effluent disposal field, is its location known? $\bowtie$ Yes $\square$ No Distance from well to nearest point of known field: $18-22$ m
<b>k</b> . ``	Well location relative to field: upslope downslope Advanced downslope

1. Is there any part of a sewage disposal system(s)or other potential sources of pollution that may pose a

hea	Ith and safety risk within 30 m? X Yes INO Septic tank @~20m. Visitor Reception Centre septic @ 42m
	Is the well located within 300 m from a sewage lagoon or pit? $\Box$ Yes $\boxtimes$ No $on bkely$
n.	Is the well located within 120 m from a solid waste site or dump, cemetery? $\Box$ Yes $\boxtimes$ No $\cup  tket_y $
0.	Is the infrastructure protecting the wellhead, pumphouse, storage tank and/or water treatment plant designed and secured to prevent:
	Unauthorized access by humans? I Yes INO Entrance by animals? I Yes INO Access possible
p.	Is well site subject to flooding?  Yes No
q.	Is the well site well drained? $\square$ Yes $\square$ No
r.	Is there a buried fuel tank on the property? $\Box$ Yes $\Box$ No
	If yes, is it 🗌 in use 🗌 abandoned
	Is the location known?  Yes  No Distance from the well to known buried tank
s.	Are there any other known contaminant sources on the property?
	Yes Do Describe
	If yes, specify the source: $\Box$ dump $\Box$ sewage lagoon $\Box$ cemetery $\Box$ other
	Potential Source 1: Indoor A ST; Distance from well to Potential Source 1: 20m
	Potential Source 2: Fuel, oll, paint due Distance from well to Potential Source 2: ~20m
	Potential Source 3: <u>Asphalt prie</u> ; Distance from well to Potential Source 3: <u>~40</u>
	Potential Source 4:; Distance from well to Potential Source 4:
t.	Are there other wells on this property? $\Box$ Yes $\overleftarrow{\Delta}$ No
	How many? in use abandoned require proper sealing

<u>2. v</u>	Vell and Wellhead information:
a.	When was well installed? Year Month Month
b.	Type: Arilled I dug sand point I other
c.	Is there a drillers log for the well: 🗌 Yes 💢 No
d.	Is there a surface seal to 6 m 🗌 Yes 🔯 No 🗌 unknown 🖄 unlikely
e.	Surface casing:  Yes Diameter No
f.	Well casing: Diameter $\frac{15cm}{15cm}$ Material: X steel D plastic Concrete
g.	Depth of well: $\underline{vhkhowh}$ $\Box$ measured (if possible) $\Box$ reported $\Box$ from log
h.	Static water level below ground: Unknown
	$\Box$ measured (if possible) $\Box$ reported $\Box$ from log $\Box$ flowing
i.	(If granular) Is the well completed: $\Box$ open end casing $\Box$ with a well screen
	U with slotted pipe unknown other
j.	(If bedrock) Does the well have a liner? $\Box_{yes} \Box$ No $\Box_{steel} \boxtimes plastic \xrightarrow{h:ke}/\gamma$
k.	If there is a well screen: lengthknow hslot size(s) Location of screen: fromto from log reported
1.	Is there a sump below the screen? $\Box$ Yes $\Box$ No
m.	Is the well head: $\Box$ in pumphouse $\bowtie$ in pit $\Box$ pitless adaptor $\Box$ in a building
	in a wooden enclosure other, describe
n.	If the well head is located in a wooden enclosure,

	i. Is the well head below grade? describe in detail $\sim 1.15$ m below grade
	ii. Are there signs of ponding on the enclosure(e.g. water stains, etc.)? $\Box$ Yes $\boxtimes$ No
	iii. Is the wellhead enclosed by fiberglass insulations? $\square$ Yes $\square$ No
	iv. Any evidence of rodents? Specify Access possible. Some evidence
	v. Does the well casing have a proper seal cap? $\Join$ Yes $\Box$ No
	If no, describe condition Solid plate cap
3 1	Water Supplying This Well:
	By definition is the water from a surface water source or under the direct influence of surface water?
a.	
	$\bowtie$ Yes $\square$ No $\square$ farther investigation required.
	If yes is there treatment or disinfection  Yes  No
	Explain (filtration, disinfection etc)
<u>4.</u>	Aquifer Supplying This Well:
a.	The aquifer is: $\Box$ bedrock $\bigotimes_{i,k\in i_{\mathcal{J}}}$ granular sediment $\Box$ unknown
b.	Does water level and/or well capacity show seasonal fluctuation? $\Box$ Yes $\boxtimes$ No $\bigcup_{x \in I_y} \mathbb{R}^{k_y}$
<u>5.</u>	Pump Installation:
a.	Is the well equipped with a pump? $\square$ yes $\square$ No
b.	Type of pump: hand Zelectric submersible ist
	shallow well centrifugal other,
c.	Description: Manufacturer Model
	horsepower capacity voltage
	4/11

<ul> <li>d. Date installed: By:</li> <li>e. For submersible pump, depth of setting below surface</li> <li>f. Drop pipe for submersible pump: □ steel</li></ul>
<ul> <li>e. For submersible pump, depth of setting below surface</li></ul>
<ul> <li>g. Pump delivers water to:  pressure tank  elevated tank  other</li> <li>h. Are there automatic pump controls:  Yes  No</li> </ul>
h. Are there automatic pump controls: 🖾 Yes 🗌 No
i. Is there provision for taking water samples before water reaches storage? $\Box$ Yes $\boxtimes$ No
j. Is there a water meter on the system? $\Box$ Yes X No
k. Is the pump and piping protected from freezing? 🖾 Yes 🗌 No
If yes, describe: heat trace and insulation
I. Comments on pump installation:
6. Conclusions a. Comments on overall installation:
b.Recommendations:

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	-					
	RT B: EBA Site Inspecti			2	7, -, 1	
ns	pector: <u>Brer</u> A	LBASSER		Date	July 26	05
	WELL ID #	Owner			tion Description	
	3964	YTG.	1	EATA CE	NTRE BEA	VER CREE
•	Water Treatment					
	Is well water treated?	Yes 🖸 No; Type	oftre	eatment:		
	□ chlorination □ ire	on and or manganese ren	nova	other		
•		used to achieve disinfe	ction	throughout the	system?	r treatment that is
	🗆 Yes 🗹 No	If so how			<u> </u>	
I	If treated with chlorine, is	s the free residual chloring	ne co	ncentration less	s than 0.2 mg/L	
	□ Yes ☑ No _	readi	ng.		Ì	
	Tested at		(	location)		5. 4
•	Is testing for chlorine resid points in a piped distributi				-	representative
	🗆 Yes 🗹 No	If yes how o	ften?			
•	If the drinking water is be	eing transported by wate	r deli	very truck does	s it have a minimu	um chlorine free
	residual of 0.4 mg/L a	t the time of fill. $\Box$ Y	es	🗹 No		
						5-1
•	Water Quality (observa	tions):				
•	Does the water stain plur	nbing? 🗆 yes 🗆 No 🗓	slig	ht 🗆 severe		
	Type of stain:	brown 🗹 red		black		
).	Does the water contain se	ediment? 🛛 Yes 🛛	]No	occasional	l 🗌 constant	
	Is there an unpleasant od	our? 🛛 Yes 🗍	No	$\square$ H <sub>2</sub> S	Other	
		6	/11			

d.	Is there an unpleasant taste? Yes No brackish Other
e.	Is there a history of bad bacterial analyses?  Yes  No ?
f.	Is there a chemical analysis?  Yes No adequate incomplete
g.	Is there analysis of trihalomethanes (THMs) where the water source is a surface water supply or a well
	under the direct influence of surface water?  Yes  Yo
h.	Is the drinking water tested daily with an accurate reading chlorine test kit capable of reading in the
ranį	ge 0 to 3.5 mg/L of free chlorine residual in increments of 0.1mg/L? 🗌 Yes 🗹 No 🗌 unknown
i.	If yes is the test performed in accordance with manufactures directions?  Yes Yo unknown
j.	Is a record of the date, time, name of person performing the test and results of the drinking water sample
	kept? I Yes I No
	TANK AND PIPING DETAILS
	Tank Room Is there a water tank? Yes No Details: PRESSURE TANK. Where is it located? Comments: AMBYLANCE GARAGE
	Is the room in which the water tank is located heated to maintain an optimum temperature of 4°C for stored water? YES NO Comments:
	Are there windows in the add-on that may allow direct sunlight onto the water holding tank? YES
	Comments:
	Are there other heat sources near the tank? YES NO
	Is there waterproof flooring with a sealed base to contain spills? YES NO Comments:

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### **Overall** Tank

What are the tank size and dimensions?

What material is the tank constructed of? Is tank and associated piping constructed of safe materials (i.e. CSA approved and material that does not affect the taste of the water)? YES NO Comments: ۰. مە Tank Inlet, Outlet and Lid Is there adequate access on the tank for cleaning (i.e. min 15" access lid)? YES NO Does the lid have a tight seal and is it watertight when closed? YES NO Does the tank have an overflow or high level whistle? YES NO Is the water tank drain accessible? YES NO WATER TANK AND WATER QUALITY CONDITION · It is the second Are there signs of staining or biofouling? YES NO Comments: the second se Is there any sediment or scum in bottom of tank? YES NO Comments: Is there any odour associated with the water or tank? YES NO Have there been any bacteriological analyses conducted previously? YES NO Does the tank appear that it has been cleaned recently? YES NO Are the tanks easily assessed for the purpose of cleaning and disinfection? YES NO

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### 8. Conclusions

a. Comments on overall installation:

HEAT TRACE NO THERMOSTAT, NO GEI PROTECTION, THE HEAT TEACE STAT IN PLACE DOES NOT APPEAR TO BE NORICING. NO PRESSURE GAMGE ON SYSTEM.

b. Recommendations: BRING HEAR TRACE INSTALLATION TO CODE. INGTAL PRESSURG GARGE THIS BEING A HEALTH CENTRE - INSTAL PROPORITONAL CHORNATOR INLINE AT POINT OF ENTRY WITH PROPER RETENTION TANKS, INSTITUTE PROPER FROM CHERINE RESIDUM TESTING. INSTITUT B. ANNUAL Wice MAINTENANCE HOGRAM.

