

HYDROGEOLOGIC LOG

PURPOSE OF HOLE: Water Supply Well
 DRILLING METHOD: Air Rotary
 DRILLING DATE: 2009/10/28 - 2009/11/02
 SCREEN INSTALLED: 49.0 - 51.6 m
 CONTRACTOR: Impact Drilling Ltd.

BOREHOLE NO. WELL KFN-J

CASING STICK UP: 0.66 m above grd.
 DEPTH TO STATIC: 9.33 m bgs
 DEPTH TO SCREEN (m): 49.0 m bgs

Lithology	Comments	Well Installation Summary
Depth (m)		
0m		Circle Plate
— SILT - fine, dark brown, organic, moist, some fine sand, trace gravel. 1.52 m		
— SAND - fine, dark brown, moist, some clay, trace silt and pebbles. 2.74 m		Bentonite Surface Seal
5m — SAND & GRAVEL - medium to coarse grained sand, dark brown, moist, some clay, trace pebbles. 5.79 m		6.0 m
10m — SAND & GRAVEL - medium to coarse grained sand, dark brown, with silt, trace pebbles. 12.80 m	Static Water Level = 9.33 m-bgl (measured Nov. 5, 2009)	
15m — SILT & SAND (TILL) - fine sand, dark grey, drier, some coarse sand, trace to some gravel, trace cobbles, PERMAFROST. less gravelly with depth		
20m — TILL - gravelly, dark grey, with coarse sand, some clay, trace silt, PERMAFROST. 21.90 m		
25m — TILL - silty, poorly sorted, dark grey, trace fine to coarse grained gravel, some stones. PERMAFROST. 44.80 m		
40m — GRAVEL - fine to coarse grained, dark greyish brown, loose, trace to some sand and silt, PERMAFROST. less silty with depth 47.20 m		6" (152 mm) OD Steel Casing
50m — GRAVEL - brownish grey, loose, dense, some silt and fine to coarse sand, water bearing. 48.20 m		0.61 m (2.02') of 127 mm (5") Ø Steel Riser & K-Packer
— GRAVEL - brownish grey, loose, dense, with coarse sand, water bearing. 53.20 m		2.65 m (8.69') Johnson V-Wire Stainless Steel Well Screen 0.080" / 80 - Slot Openings
55m — END OF BOREHOLE		49.0 m — 51.6 m —
60m		
65m		

C:\Whitehorse\Data\0201\Drawings\Burwash\W23101263_KFN-J Well Completion\W23101263_Figure 3.dwg [WELL_KFN-J August 13, 2010 - 8:21 am cbuchan]

LEGEND:

- ▾ — STATIC WATER LEVEL
- ▒ SCREEN INTERVAL

CLIENT



**KLUANE FIRST NATION - KFN-J WELL COMPLETION
 BURWASH LANDING, YUKON**

KFN-J WELL LOG

EBA Engineering Consultants Ltd.

PROJECT NO. W23101263	DWN CB	CKD SKS	REV 0
OFFICE EBA-WHSE	DATE August 13, 2010		

Figure 3