## **BOREHOLE LOG** PROJECT NAME: TAKHINI RIVER SUDIVISION WATER SUPPLY **BOREHOLE NO.:** TW14-03 LOCATION: TAKHINI RIVER SUBDIVISION PROJECT NO .: ENVH2O03066-01 DATE DRILLED: **NOVEMBER 13, 2014** GROUND ELEV .: 680.0 mamsl (TAKEN WITH HANDHELD GPS) DRILL TYPE: AIR ROTARY NTS (NAD-83): 6746646 N; 458317 E; Zone 8 INSTRUMENTATION LITHOLOGY **COMMENTS** INSTALLATION SUMMARY Depth (m) Elevation (m) -1.0 m Stick-up 0 680.0 SAND - trace silt, poorly graded, medium, dry SAND and SILT - poorly graded, fine, dry Q:Whitehorse\Data\0201drawings\Whitehorse\ENV-H2O\ENVH2O03066-01 Takhini River Backup Well Installation\ENVH2O03066-01 Fig.1 R0.dwg [FIGURE 2] December 11, 2014 - 1.02:56 pm (BY: EARL, GARETH) 50 mm Thick Bentonite seal SILT and CLAY - very wet, medium to high plastic on exterior steel casing 67 Static water level 20.5 mbgs 20 660 $\nabla$ Potential permafrost lense as observed by (November 18, 2014) driller. Not confirmed in drill cuttings. Driller began using drilling fluid (potable 650 SILT - some clay, very wet, low to medium plastic 640 -40 50 630 -60 620 Steel casing (150 mm Ø) 610 -80 600 590 -90 580 100 110 570 SAND and GRAVEL - trace silt, well 560 graded, fine to medium sand, fine gravel, sub-angular, very wet, significant yield from aquifer zone SAND - trace silt, poorly graded, fine, very wet 550 129.8 - END OF HOLE SAND - trace gravel, trace silt, poorly graded, fine, very wet 540 **SCREEN INSTALLATION** 150 530 **DETAILS SEE FIGURE 3** -160 520 **TAKHINI RIVER SUBDIVISION WATER SUPPLY CHAMPAGNE AND AISHIHIK FIRST NATIONS** TW14-03 **BOREHOLE LOG** PROJECT NO. DWN CKD REV ENVH2O03066-01 GJE 0 TETRA TECH EBA Figure 2 December 10, 2014 **EBA-WHSE**