



PROJECT SITUATION REPORT DISC Drill 09-10 Season

Project:	T-350-M				
Project Principal Investigator:	Dr. Charles Bentley				
Report No:	12	for period	01-25-10	through	01-31-10
Prepared by:	Kristina Dahnert			Date:	01-31-10

ICDS Personnel on Site:	Lou Albershardt Patrick Cassidy Kristina Dahnert Dave Ferris Josh Goetz Ben Gross Robb Kulin Nicolai Mortensen Elizabeth Morton Steve Polishinski Charlie Bentley Tony Wendricks
--------------------------------	---

ACTIVITIES DURING PERIOD

- The first day of this week (Sunday) marked our last day of three-shift work.
- On Sunday night, a Driller's Debrief was held in the Science Rac Tent. All drillers were present, as well as Charlie and Tony. It was good to finally be able to gather as a group again. The meeting was quite productive and complimented by root beer floats!
- The following day, only 1st shift worked and drilling ended around 11:30am for the 2009-10 season. All drillers, core handlers, visitors and a few camp staff enjoyed champagne in the Arch.
- Despite early season weather/camp delays and periodic mechanical issues with the drill, we managed to drill 1050m of core this season. We finished approximately one drilling day's worth short of our 2600m goal. Final driller's depth for the season: -2564.370.
- Ben, Charlie, Dave, Robb, Steve and Tony all left for McMurdo (MCM) on Monday, 1/25/10. A carpenter crew of 14 from MCM arrived on the same flight to begin camp closeout.
- Camp buildings (Jamesways and Rac Tents) came down quickly throughout the week. Power lines in the main camp were also taken down.
- On Tuesday, the remaining six drillers began packing and winterizing equipment. Packing details follow.
- The shipping container was organized, making room for Arctic oven and blue foam storage.
- The sonde was removed from the drill cable and the sections were dried in the MECC before being packed.

- The freezer, fire extinguishers, air monitor, Glassman rack and stereos were all packed for winter DNF storage in MCM. Another DNF Hardigg case was also sent to MCM, consisting of high-priority items that will fly with the drill put-in crew next season. These items include VFD's to get the cranes up and running, as well as the tower controller, etc.
- The borehole fluid level was brought up to 75m. Remaining onsite fluid numbers were recorded for all barrels, bulk tanks, the mixing tank and the centrifuge collection tank. The fluid hoses were disconnected from the bulk tanks and pulled inside of the Arch. The bulk tanks were put up on berms for winter storage.
- All slot and winch pit drip pans were cleaned. The borehole cover was additionally covered with plastic and dunnage, to prevent any 2010-11 early-season carpentry work from negatively impacting the borehole.
- The chip hopper was disconnected from service, the black plastic lids were removed for the winter and the hopper was put up on a berm.
- All three sheaves (crown, reaction, levelwind) were removed. A custom shipping crate was built by one of the carpenters. The sheaves and associated parts will return to Madison for rework this summer.
- The winch cabinet crate was packed and moved into the main camp and plugged in for heat until its flight on Thursday.
- All equipment and racks in the Arch were tarped, though snow accumulation in the Arch is expected to be minimal over winter as the remaining exposed portion of the roof was purposely covered with snow at season startup.
- Elizabeth, Lou and Patrick flew to MCM on Thursday, 1/28/10 along with all DISC Drill retro cargo.
- Ben, Dave, Robb and Steve flew from MCM to Christchurch (CHC) on Thursday, 1/28/10.
- The MECC was packed on Thursday and stationed on a berm.
- All Arch doors and intake and exhaust ducts were tarped and boarded up for the winter.
- Josh, Krissy and Nicolai flew to MCM on Friday, 1/29/10.

SAFETY

- One Miller MightEvac hoist sent home for inspection/repair.

COMMENTS

(Problems, Concerns, Recommendations, Etc.)