Figure F1. Summary of selected logging data acquired during (A–D) Expedition 360 and (D) Expedition 362T, Hole U1473A. Intervals (E) reamed (red) and (F) cemented (black) during Expedition 362T are also shown. Data in C are replotted in D with Expedition 362T data. Temperature log time sequence in C is red, green, blue, indicating borehole water cooling over a period of a few hours. Light blue shading = fault zones identified from caliper and resistivity data. FMS = Formation MicroScanner, HLDSM = high-resolution caliper main run, HLDSr = high-resolution caliper repeat run, RT_HRLT = true formation resistivity, MTEM = Expedition 360 borehole temperature, MTEMP = Expedition 362T borehole temperature, HRLAM = High-Resolution Laterolog Array Tool main run, UBIUP = Ultrasonic Borehole Imager logging bottom to top.

Figure F2. Tricone bit condition after reaming during (A, B) bit Run 2 and (C) bit Run 3. C. Second tricone bit was out of gauge by ~0.25 inch.

Figure F3. RCJB fishing run encountered no fill in Hole U1473A and advanced 0.5 m into the formation, resulting in a 0.36 m long "fat core." A. Drill crew celebrating the unusual feat. B. Mill guide used with RCJB (right) shows wear but no damage compared to a new mill guide (left). C. Top of fat Core 92M shows clear tricone bit marks from reaming run (i.e., lacks any indication of junk at the bottom of the hole during Expedition 362T).

Figure F4. Rotary coring bit used during bit Run 5 to cut lowermost 19.2 m of gabbro in Hole U1473A shows no sign of wear or damage.

Figure F5. Core logging data, Cores 362T-U1473A-93R through 96R. All data are plotted against CCSF depth scale (see text). A. Curated sections. B. GRA bulk density: outliers with unrealistic density (red) are filtered out (black). C. Whole-round magnetic susceptibility measured with MSL: black includes corrections for intervals judged to have had values >9999 instrument units (IU) (upper limit of meter's dynamic range) and therefore "wrapped around" (red) (see the **Expedition 360 methods** chapter [MacLeod et al., 2017a]). D. Section half magnetic susceptibility measured with MSP. E. NGR. F. L*, a*, and b*.

Figure F6. Whole-round (left) and section half (right) images of 15 sections recovered from Hole U1473A during Expedition 362T. Whole-round images are composites of four scans at 000°, 090°, 180°, and 270° axial rotation. (Continued on next two pages.)

Figure F6 (continued). (Continued on next page.)

Figure F6 (continued).