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BLACKFEET COMMUNITY WATER PROJECT



Compressed air sent thru drill pipe to locate drill bit on lake bottom



Preparing to dive to drill bit to attach a cable to raise bit to surface.



Float used to suspend drill pipe while bit is being changed.



Float with winch where drill bit is changed out.

Photos by John Monroe

Installing the HDPE and intake screen requires that the bore (from shore to lake bottom) is initially made with a small bit, which is changed to a larger back boring bit that is pulled back to enlarge the hole and then pushed back to the lake bottom where it will be changed to a larger back boring bit which in turn will be attached to the HDPE and pulled back to shore. Each changing of the bit takes most of a day. Floats shown above were designed and built by the contractor specifically for this project.