

**USGS CMG EQUIPMENT LOG**  
**ACTIVITY ID: 10BIM04**

| <b>EQUIPMENT SYSTEM</b> | <b>EQUIPMENT TYPE</b>                                      | <b>EQUIPMENT CODE</b> | <b>EQUIPMENT BRAND</b>                         | <b>EQUIPMENT MODEL</b>                                 | <b>EQUIPMENT MEDIA</b> | <b>COMMENTS</b>   |
|-------------------------|--|-----------------------|--|--|------------------------|---|
| Chirp                   | High-resolution seismic                                    | Chirp (I)             | EdgeTech 3200                                  | SB-512i Sub-bottom Profiler                            | Digital                | DISCOVER acquisition software, version 3.51.  |
| Navigation              | IMU/GPS  | DGPS                  | CodaOctopus                                    | Octopus F190 Precision Attitude and Positioning System | Digital                | Omni STAR-High Performance (HP) correction; 20-cm accuracy. Used for chirp, swath, single beam and side scan. |
| Navigation              | Hydrographic survey software                               | Hypack (N)            | HYPACK, Inc.                                   | Hypack version 9                                       | Digital                | Hypack 2010; Ashtech GPS to Hypack.   |
| Bathymetry              | Single beam  | Single beam (Z)       | Knudsen  | Knudsen 320B   | Digital                |   |
| Swath                   | Swath interferometric sonar and high-resolution bathymetry | Swath (H)             | Systems Engineering and Assessment (SEA), Inc. | SWATH <i>plus</i> -H 486 kHz                           | Digital                | Swath processor software, version 3.06.   |
| Side scan               | Side scan sonar  | Side scan (S)         | Klein  | L3900 Side Scan Towfish                                | Digital                | SonarPro, version 11.3.   |