

## SSDB Data Types and Formats

The Site Survey Data Bank (SSDB) accepts digital files only. Both image-type files and raw data files may be submitted. Image files should be PDF or raster images (TIFF, JPEG) with sufficient resolution to clearly show all relevant details. Postscript files should be converted to PDF before submitting. Acceptable raw data file formats depend on the data type (see table). Written documents should be submitted as PDF files, RTF files, plain text, or Word Documents.

Seismic data should be submitted as high resolution image files. Data in SEG-Y format can also be submitted, but to ensure review by the Site Survey Panel, well-annotated images (e.g., PDF or TIFF format) of the data **must** be submitted to the SSDB.

**Table of Data Types and Formats**

| <b>Data Type</b>   | <b>Format</b>  |
|--|--|
| Seismic Data<br>- Hi-Resolution<br>- Deep Penetration  | Image file (PDF, TIFF, JPEG)<br>SEG-Y  |
| Seismic Velocities<br>- Time-Depth Curve<br>- Check shots<br>- Velocity Model<br>- Stacking Velocity | Image file for velocity model<br>ASCII file (clearly annotated)<br>Table of values |
| Sub-bottom Profiler -chirp,<br>parasound, etc. -3.5 kHz  | Image file<br>SEG-Y  |
| Maps<br>- Multi-beam<br>- Swath Bathymetry<br>- Side-looking Sonar<br>- Contour Map<br>- Other       | Image file<br>Document File (PDF, RTF, Word Document)                              |
| Gridded Data<br>- Magnetism<br>- Gravity<br>- Bathymetry<br>- Electromagnetic data                   | Image file<br>Grid data file<br>ASCII XYZ file<br>GMT GRD file<br>ARC GRD File     |
| Digital Images<br>- Seabed Conditions  | Image file<br>Document file  |
| Heat Flow<br>- Tables of values<br>- Plots/graphs of values  | Image file<br>ASCII table  |
| Document Files<br>- Core Descriptions<br>- Ice Conditions  | PDF file<br>RTF file<br>MS Word document   |

|  |   |
|--|---|
| - Current/Tide Data<br>- Sample Descriptions |   |
| Log Data                                     | LAS format files<br>LIS files                                     |
| OBS<br>- Microseismicity                     | Image file<br>ASCII file (clearly annotated)                      |
| Navigation                                   | UKOOA, SEG-P1, MGD77<br>ASCII file (clearly annotated)            |
| Video (e.g., seafloor images of target area) | Digital video (MPEG, DIVX) Restricted to immediate drilling area. |

### **Recommended Guidelines:**

#### **Seismic and Sub-bottom Profiles**

1. Include a vertical scale with at least two annotations. Indicate whether the profile is a depth or time section.
2. Include horizontal scale with at least two annotations. The type of units (CDP, shot point, etc.) must match the units used in the navigation data and plotted on an accompanying track map. Submission of navigation data, and a track map (in separate files) must accompany all submissions of seismic images and SEG-Y data.
3. Indicate the direction of each end of the line (NW, SE, etc.), the direction in which the line was shot, and include a calibrated scale showing kilometres. Drill site locations should be labelled and marked by a vertical line showing the proposed depth of penetration. The starting and ending latitude and longitude of the seismic line will be entered as metadata.
4. A title or caption must indicate the name of the seismic line.
5. Clearly mark intersection(s) of any crossing line(s).
6. As much information as possible about the acquisition and processing of the data should be entered in the metadata. Detailed processing parameters, if not displayed on the profile, should be submitted to the SSDB in a separate document file.

#### **Maps (Regional and Site-Specific)**

1. Include at least two latitude and two longitude annotations on each map.
2. Drill site locations should be indicated by the full site name. Note: site names must be consistent with the drill site names on the current proposal site summary forms.
3. If navigation tracks or shot points are shown, they should be labeled at a regular interval. Units along the track must match the horizontal scale on accompanying submitted seismic profiles.
4. Indicate north with an arrow or by gridlines.
5. Include a scale bar or some other indication of distance.
6. If the map includes contours they should be labeled at a regular interval.
7. Include a title or caption specifying what information is presented on the map.
8. Include a legend explaining data layers shown on the map.
9. Identify the projection and scale used to make the map.