

## **2 Datums**

### **2.1 Horizontal Datum**

All positions will be referenced to the North American Datum of 1983 (NAD 83). This datum must be used throughout a survey project for everything that has a geographic position or for which a position is to be determined. Those documents used for comparisons, such as charts, junctional surveys, and prior surveys, must be referenced or adjusted to NAD 83. In addition, all software used on a survey must contain the correct datum parameters.

The only exception for the NAD83 datum requirement is that the S-57 feature file will be in the WGS84 datum to comply with the international S-57 specifications (see Section 8.2). All data shall be collected in the NAD83 datum and then transformed to the WGS84 datum in the S-57 feature file.

### **2.2 Sounding Datum**

All sounding data will be reduced to Mean Lower Low Water (MLLW). Heights of bridges and overhead cables will be referenced to Mean High Water (MHW).

### **2.3 Time**

Coordinated Universal Time (UTC) will be used for all time records.