

Mapping Standards for Reporting FIA Funded Silviculture Activities

1. All maps must be delivered in electronic format. For the 2003/2004 fiscal year we will accept digital images of a drawing (that is to the specifications below) in pdf, jpg, and tiff format at 1:10,000 scale. Our preference would be georeferenced ESRI ArcShape files (dbf, shp, shx).
2. Those that are not providing georeferenced ESRI ArcShape files will need to include a scale line.
3. Boundaries must be on FC1 Base or preferably TRIM base.
4. Use Universal Transverse Mercator (UTM) projection.
5. Base positional accuracy will be the same as Provincial Baseline Digital Atlas 1:20 000 (TRIM) / 1:10 000 (TRIM2):
 - 90% of all points must be positioned on NAD83 within 10 metres of their true position. All points (100%) must be positioned on NAD83 within 25 metres of their true position.

Minimum Standards are:

Relative (internal) positional accuracy / error

- Relative (internal) positional accuracy – the calculated area of the polygon must be within 5% of its true area on the ground.
- At a scale of 1:20,000, the boundary of the polygon must be within 0.5mm of its true NAD83 map location (i.e. within 10 m of its true NAD83 ground position).
- Aerial photos (where available) are used to ensure the shape of the boundaries' coordinate space reflects its true shape on the ground.

Absolute (datum-related) positional accuracy / error

- One tie point must be established that is within 10 metres of its true NAD83 position. You may use aerial photographs with an identifiable point found on the FC1 or TRIM Base (i.e. road / creek junction) **or** use GPS with at least 180 readings (i.e. data collected once per second averaged over 3 minutes) of at least four satellites for 100 metre level accuracy.

GPS accuracy / error

- Use British Columbia Standards, Specifications and Guidelines for Resource Surveys Using Global Positioning System (GPS) Technology - http://home.gdbc.gov.bc.ca/gsr/gsr_standards.htm
6. The minimal mappable polygon is 0.25 ha. For treatments of 0.25 ha or less, incorporate the activity (i.e. spacing) in a larger polygon.
 7. Scale that will be used is 1:10,000. To avoid merging of two lines, no two linear features (boundaries) can be less than 20 metres apart.
 8. If a drafting program is being used, external boundaries must be placed on a different level than internal boundaries and external boundaries must not be shapes or complex line strings.
 9. Every polygon must be labelled with the mapsheet and silviculture opening number.
 10. For activities within a harvested block, the external boundary for the entire harvested block must be provided.