

Belt Transect Data Form

Monitoring plot: _____ Date: _____

Reader: _____ Recorder: _____

Transect area* = _____ ha = _____ meters X _____ meters/10,000
(line length) (belt width)

Transect area** = _____ ha = _____ ft x _____ ft x (0.0000093)

Size class A = _____ Size class B = _____ Size class C = _____

Density* = number of individuals per hectare (this indicator doesn't need to be calculated in the field).

Line: _____				Direction: _____					
	Size class								
Species	A (tally marks)	Total	Density	B (tally marks)	Total	Density	C (tally marks)	Total	Density

Line: _____				Direction: _____					
	Size class								
Species	A (tally marks)	Total	Density	B (tally marks)	Total	Density	C (tally marks)	Total	Density

Example: *50 m x 2 m = 100 square meters (m²). There are 10,000 m² in 1 hectare, so 100 m²/(10,000 m² per 1 ha) = 0.01 ha. Density for 15 plants in a 100 m² belt = 15/0.01 ha = 1500 plants/ha.
 **150 ft x 6 ft = 900 ft². 1 ft² = 0.0000093 ha, so 900 ft² x 0.0000093ha/ft² = 0.008ha. Density for 15 plants in a 900 ft² belt = 15/0.008 = 1875 plants/ha.