

Table 9 Vegetation Structure (Above ground biomass)

	DATA OPTION 1: Radarsat, TerrsarX or ALOS Palsar
<i>Spatial Dimensions</i>	
Area to cover	Up to 3600 km ²
Mapping unit	5 m -60 m
Positional accuracy	Dependent on geo-referencing process
<i>Temporal Dimensions</i>	
When	Approx 11 am
How often	Minimum every 4 days
Variable to map	Vegetation structure (above ground biomass)
Environmental Restrictions	Significant terrain variations
Processing technique (Output)	Radar data processing with empirical models or radar model (Vegetation type map and estimates of biophysical parameter -biomass) Note: The ability to map specific targets will depend on their growth form and extent.
Resources – Hardware and Software	PC SAR Image processing software
Resource – Personnel	Trained in radar data processing Knowledge of area to be mapped
References: Note these are some example references	Bergen and Dobson (1999)

Bergen, K. M. and Dobson, M. C. (1999). "Integration of remotely sensed radar imagery in modeling and mapping of forest biomass and net primary production." Ecological Modelling, 122(3), 257-274.