

**Table 7 Vegetation Cover (Tree density)**

	<b>DATA OPTION 2: Quickbird 2</b>
<b><i>Spatial Dimensions</i></b>	
<b>Area to cover</b>	12km x 12km per scene
<b>Mapping unit</b>	068m panchromatic 4.0m multi-spectral
<b>Positional accuracy</b>	Dependent on geo-referencing process
<b><i>Temporal Dimensions</i></b>	
<b>When</b>	Approx 10.45am
<b>How often</b>	Minimum every 4 days
<b>Variable to map</b>	Vegetation-cover (Tree density = number of trees per unit area)
<b>Environmental Restrictions</b>	Cloud cover Green versus non-green vegetation Soil colour
<b>Processing technique (Output)</b>	Feature detection using segmentation and/or classification  (Tree density map) Note: The ability to map specific targets will depend on their growth form and extent.
<b>Resources – Hardware and Software</b>	PC Image processing software GIS with image classification module (e.g. ARCGIS Image Analyst)
<b>Resource – Personnel</b>	Trained in image classification Experience with high spatial resolution data Knowledge of area to be mapped
<b>References:</b> Note these are some example references	