Table 6 Vegetation Cover (% Bare ground)

	DATA OPTION 1: Landsat ETM	DATA OPTION 2: Quickbird 2
Spatial Dimensions		
Area to cover	185km x 185km per scene	12km x 12km per scene
Mapping unit	15m panchromatic 30m multi-spectral	068m panchromatic 4.0m multi-spectral
Positional accuracy	Dependent on geo-referencing process	Dependent on geo-referencing process
Temporal Dimensions		
When	Approx 9.45am	Approx 10.45am
How often	Every 16 days	Minimum every 4 days
Variable to map	Bare ground cover	Bare ground cover
Environmental Restrictions	Cloud cover Vegetation cover Soil colour	Cloud cover Vegetation cover Soil colour
Processing technique **(Output)**	Regression of image pixel or image class values against ground based measurements. Sub-pixel analysis. (% bare ground cover map) Note: The ability to map specific targets will depend on their growth form and extent.	Regression of image pixel or image class values against ground based measurements. Sub-pixel analysis (% bare ground cover map) Note: The ability to map specific targets will depend on their growth form and extent.
Resources – Hardware and Software	PC Image processing software GIS with image classification module (e.g. ARCGIS Image Analyst)	PC Image processing software GIS with image classification module (e.g. ARCGIS Image Analyst)
Resource – Personnel	Trained in image classification Experience with Landsat data Knowledge of area to be mapped	Trained in image classification Experience with high spatial resolution data Knowledge of area to be mapped
References: Note these are some example references		