

Table 29 Riparian - Plant Projective Cover

	DATA OPTION 1: Quickbird 2	DATA OPTION 2: Airborne Laser Scanning
<i>Spatial Dimensions</i>		
Area to cover	12km x 12km per scene	Can be up to 1000km ² or more
Mapping unit	068m panchromatic 4.0m multi-spectral	0.5m to 10m
Positional accuracy	Dependent on geo-referencing process	Within 5m or less dependent on GPS base station used
<i>Temporal Dimensions</i>		
When	Approx 10.45am	User controlled
How often	Minimum every 4 days	User controlled
Variable to map	Plant projective cover	Plant projective cover
Environmental Restrictions	Cloud cover	Cloud cover
Processing technique	Empirical model	Ground and canopy return extraction, interpolation and ground and canopy mapping (estimated from LiDAR based cover fraction counts using power function)
(Output)	(PPC map) Note: The ability to map specific targets will depend on their growth form and extent.	PPC map
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 analysis capabilities.
Resource – Personnel	Trained in image modelling Experience with high spatial resolution data Knowledge of area to be mapped	Trained and with experience in ALS mapping. Knowledge of area to be mapped
References: Note these are some example references		