Table 21 Surface properties (Water bodies)

	DATA OPTION 1: Landsat ETM	DATA OPTION 2: MODIS
Spatial Dimensions		
Area to cover	185km x 185km per scene	2500 km swath width
Mapping unit	15m panchromatic 30m multi-spectral	250 m (bands 1-2) 500 m (bands 3-7) 1000 m (bands 8-36)
Positional accuracy	Dependent on geo-referencing process	Dependent on geo-referencing process
Temporal Dimensions		
When	Approx 9.45am	Approx 10.30am (Terra) and 1.30pm (Aqua)
How often	Every 16 days	Daily
Variable to map	Water bodies – land cover type map	Water bodies – land cover type map
Environmental Restrictions	Cloud cover	Cloud cover
Processing technique **(Output)**	Image classification or feature detection Landcover type mapNote: The ability to map specific targets will depend on their form and extent.	Image classification or feature detection Landcover type map Note: The ability to map specific targets will depend on their 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 MODIS data Knowledge of area to be mapped
References: Note these are some example references		