Table 18 Fire (Active Fires)

	DATA OPTION 1: MODIS
Spatial Dimensions	
Area to cover	2500km swath width
Mapping unit	Thermal Band 1000 m (bands 8-36)
Positional accuracy	Dependent on Geo-referencing process
Temporal Dimensions	
When	Approx 10:30 am (Terra) and 1:30 pm (Aqua)
How often	Daily
Variable to map	Active fires (pixels exceeding a set temperature)
Environmental Restrictions	Cloud cover
Processing technique **(Output)**	Threshold algorithm
Resources – Hardware and Software	PC Image processing software GIS with image classification module (e.g. ARCGIS Image Analyst)
Resource – Personnel	Trained in image classification Experience with MODIS data Knowledge of area to be mapped
References: Note these are some example references	Justice et al. (2002) Lentile et al. (2006)

Justice, C., Giglio, L., Korontzi, S., Owens, J., Morisette, J., Roy, D., Descloitres, J., Alleaume, S., Petitcolin, F. and Kaufman, Y. (2002). "The MODIS fire products." Remote Sensing of Environment, 83(1-2), 244-262.

Lentile, L., Holden, Z., Smith, A., Falkowski, M., Hudak, A., Morgan, P., Lewis, S., Gessler, P. and Benson, N. (2006). "Remote sensing techniques to assess active fire characteristics and post-fire effects." International Journal of Wildland Fire, 15(3), 319.