

Use of GIS technology in weed management

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Summary Greater Sydney Local Land Services (GS LLS) is a regional organisation that works with local and state government organisations, land managers and the community through its role on the Regional Weed Committee to assist with strategic planning and coordination of weed management in the Greater Sydney region. GS LLS has always been proactive and instrumental in the use and adaptation of new technologies that assist in the weed management in the region. This presentation focuses on the use of spatial technology and applications for the collection of weed surveillance and management data to support weed management at a regional scale. Several applications have been developed to assist Local Control Authorities to meet reporting requirements to the Biosecurity

Information System, identify and manage high risk pathways and sites, and to manage a cross jurisdictional weed eradication program.

These applications have been developed by GS LLS in collaboration and liaison with various stakeholders involved with weed management in the Greater Sydney region. The presentation aims to demonstrate the use of GIS technology to develop applications that provide a common platform to collect, store and analyse weed data in a regional context. The adaptation of GIS technology also enables a real time data collection, on the fly reporting and access of information for non GIS users.

Keywords GIS, weed management, collaboration.