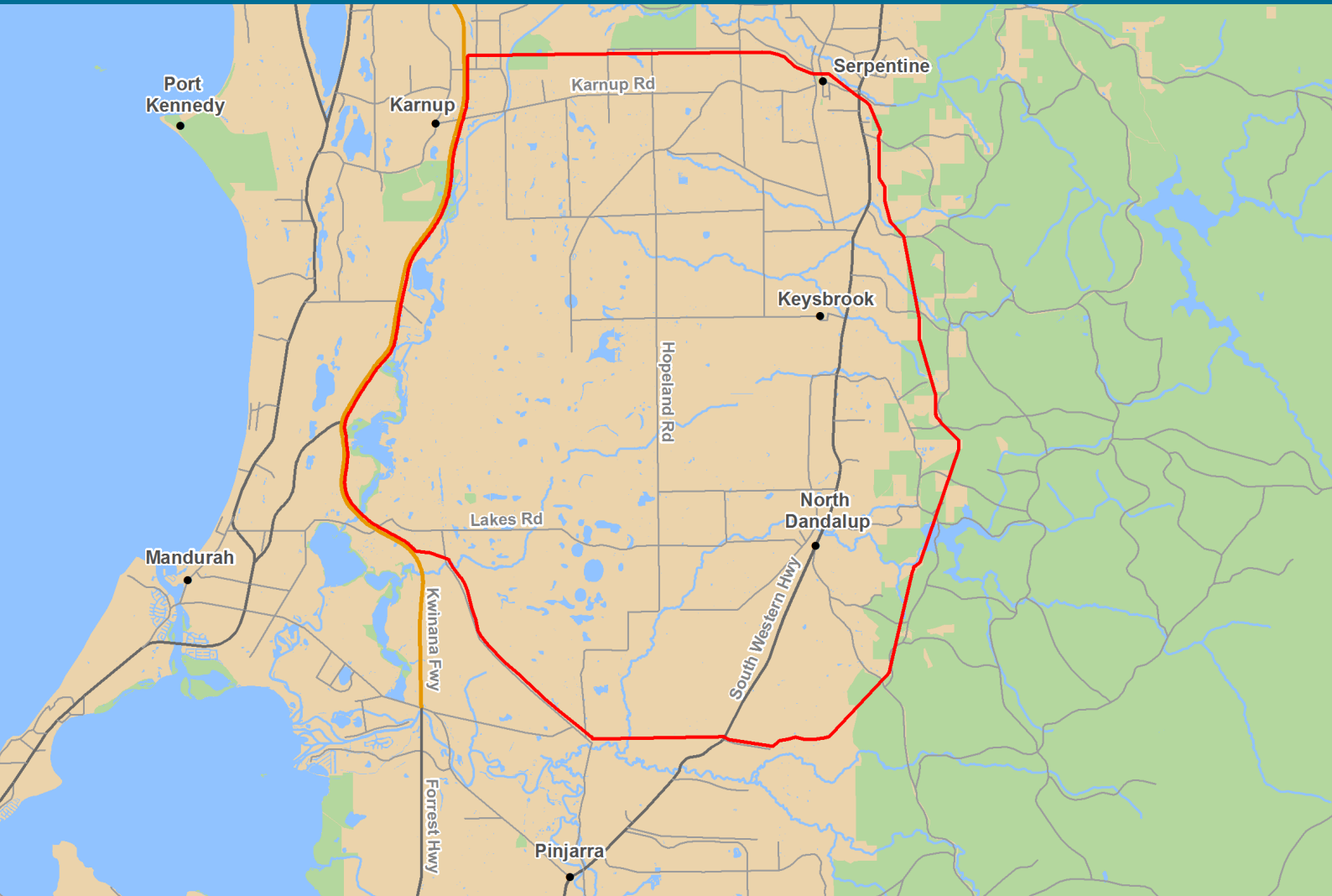




Peel airborne electromagnetic survey



What is happening?

The Department of Water and Environmental Regulation and CSIRO are working in partnership with the Peel Development Commission to better understand the water resources of the Peel region. We will be conducting an airborne electromagnetic (AEM) survey of the proposed Peel Food Zone area that will help us to better understand the regional groundwater system.

The survey will be completed using a helicopter that carries a large frame suspended beneath it. The frame emits a weak electromagnetic signal to measure changes in ground conductivity which gives an indication of the groundwater salinity. The frame will hang below the helicopter, and will be 30-40 m above the ground.



Image courtesy of SkyTEM Australia



Photos courtesy of SkyTEM Australia

Quick facts

- The survey will take place in the second half of January 2018, and will take approximately three days.
- Further information on the exact timing will be communicated when survey dates are confirmed.
- The survey will be conducted by helicopter, which will fly at approximately 100 m above the ground.
- The helicopter will carry a large frame, which will travel approximately 30-40 m above the ground.
- The helicopter pilot will not fly over any buildings and will aim to keep a minimum distance of 120 m from buildings.
- The frame projects a weak electrical signal towards the ground, and measures changes in the conductivity below the ground's surface (an indicator of groundwater salinity).
- The electrical signal generated by the frame is very low level, and is not harmful to humans or animals.
- The helicopter will fly in parallel lines ranging from around 500 to 2000 m apart.
- The noise from the helicopter may frighten some livestock. We are working with the community to minimise any impacts of the noise.

For further information contact:

Department of Water and Environmental Regulation

Andy Ellett, Project Manager

Phone: 0423 624 538

CSIRO

Dr Tim Munday

Phone: 6436 8634