



TRANSMISSION
COMPANY
VICTORIA

Land Access Technical Survey Activities

Introduction

A broad range of onsite investigations and surveys may be undertaken across the draft corridor for VNI West to build our understanding of this land and through the Environment Effects Statement (EES) process, if this is required..

The EES is the most rigorous and transparent environment impact assessment process in Victoria.

The process is administered by the Department of Transport and Planning (DTP) on behalf of Victoria's Minister for Planning.

The EES process ensures that major projects are designed, constructed and operated to minimise adverse environmental and community impacts.

The EES identifies and analyses the potential social, economic and environmental effects of a project through a broad range of studies and provides opportunities for members of the public to make submissions about the project.

During the EES other investigations and surveys maybe required in addition to the examples in this brochure.

Cultural Heritage (standard assessment)

Generally a non-intrusive walkover with an archaeologist and members of the relevant Traditional Owner groups to assess the landforms and potential for archaeological sensitivity. This walkover usually comprises:

- A single archaeologist with up to 3 representatives from relevant Traditional Owner groups
- All access to occur during daylight hours.



Cultural Heritage (complex assessment)

Possible small trenches and pits to look for artefacts just below the surface.

The number will depend on standard assessment results and likely occurrence, topography and the location. All ground disturbance will be reinstated and a map of location for any intrusive works provided and agreed prior to works.

Typically, trenches and pits are excavated using handheld equipment (shovel/trowel), although there may be some instances where mechanical excavation using a small excavator (or similar) is required.

This work usually involves:

- One or two archaeologists with up to 3 representatives from relevant Traditional Owner groups (and equipment operator where required)
- All access to occur during daylight hours.



Land

Works undertaken by a professional surveyor/s to accurately identify the project corridor/transmission line alignment and surface profile, and confirm cadastral boundaries.

- 2 surveyors
- All access to occur during daylight hours
- The team will typically be on a property for a short duration (depending on access restrictions) and may only require additional time to record complex features (such as waterway crossings).



Ecology

Non-invasive ground investigations. The team will typically be on a property for a few days walking and photographing vegetation and fauna. The team may need to leave cameras overnight for a short duration to record night-time fauna. Possible use of State approved survey trapping and other methods to record presence of fauna. Time on site highly dependent on extent of habitat present.

- Generally 2 Ecologists
- Generally access to occur during daylight hours, however, there may be some night access depending on species identified as potentially present. Some species are nocturnal and can only be identified during the night and evening.



Air Quality

Non-invasive survey, discussion on property operations, and any equipment. Use of air/ dust monitoring equipment and placement of small equipment installations (temporarily) on site.

- 1 - 2 people
- All access to occur during daylight hours
- Equipment may be left for extended period for air quality monitoring up to 12 months.

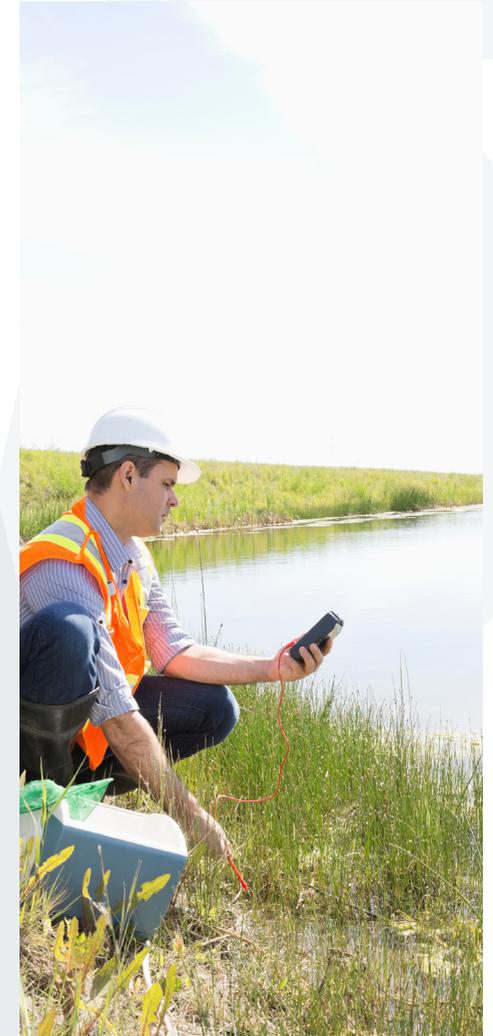


Surface Water

Site surveys and mapping of water ways, flooding and landforms.

Photography of land. Potential sampling of water ways for quality assessment. Walkover only.

- 1 - 2 people
- All access to occur during daylight hours.



Bushfire

Site walk over to assess topography, land use and vegetation. Assessment of fire risk on land and surrounds.

- 1 - 2 people
- All access to occur during daylight hours.



Contaminated Land and Geology

Site surveys to inspect land use, equipment, and soil/ground conditions. Walkover to determine sensitive receptors on the property and on surrounding land. May include limited soil sampling depending on requirements, such as hand excavated test pits or bores excavated with a drilling rig. The team would back-fill or make the site safe at the end of each day, in agreement with the landholder.

- 1 - 2 people
- All access to occur during daylight hours.



Noise and Vibration

Use of noise monitoring equipment and placement of small equipment installations (temporary) onsite.

- 1 - 2 people
- All access to occur during daylight hours

Equipment may be left for 2-4 weeks for monitoring .



Historic Heritage

Non invasive site visit and walkover, photography and review of documentation on a very limited number of properties.

- 1 - 2 people
- All access to occur during daylight hours
- The team will typically be in a property for a short duration (depending on access restrictions) and may only require additional time to record complex features.



Groundwater

Site investigation to assess soil and ground conditions, may include some ground-breaking works like hand auger bore holes.

There is also the potential for machinery and bore hole drilling onsite with drill rigs, this will be very site dependent and only occur subject to further consultation with the landholder to assess the location and minimise any impacts.

- 1 - 2 people (may require more if drilling occurs)
- All access to occur during daylight hours
- Potential for machinery and investigation equipment to sample ground
- Reinstatement of land for any disturbed soils.



Agriculture and Forestry

Onsite surveys (walkovers) to determine land use, agricultural values and farming operations, as well as discussions with landowners on property use.

- 1 - 2 people
- All access to occur during daylight hours.



Disclaimer

The activities described in this brochure are indicative only, for the purpose of providing examples. The Land Access Agreement sets out the terms of the binding agreement between the parties.