Guidance on the Recent or Active Landslides Layer

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State Planning Office
Department of Premier and Cabinet

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1 Purpose

The purpose of the recent or active landslides layer (layer) is to provide access to the mapping of newly identified and mapped landslides by MRT since the publication of the current Landslide Planning Map (components and hazard bands).

2 Application

This layer has been developed to provide guidance to planning authorities on the application of Sections C15.2.1(b) and C15.2.2 of the Landslip Hazard Code, where the planning authority "reasonably believes, based on information in its possession, that the use or development of land has the potential to cause or contribute to landslip."

The Landslide Planning Map hazard bands have classified the active landslips as a "Medium-Active" hazard band based on the current knowledge of the location and the level of intervention required to manage the landslip. The planning authority may consider a mapped feature present in the recent or active landslides layer to be considered equivalent to the medium-active landslip planning hazard band for the purpose of the State Planning Provisions (C15.0 Landslip Hazard Code) and building regulation via the Director's Determination – Landslip Hazard Areas.

An overview of the process is given in Figure 1.

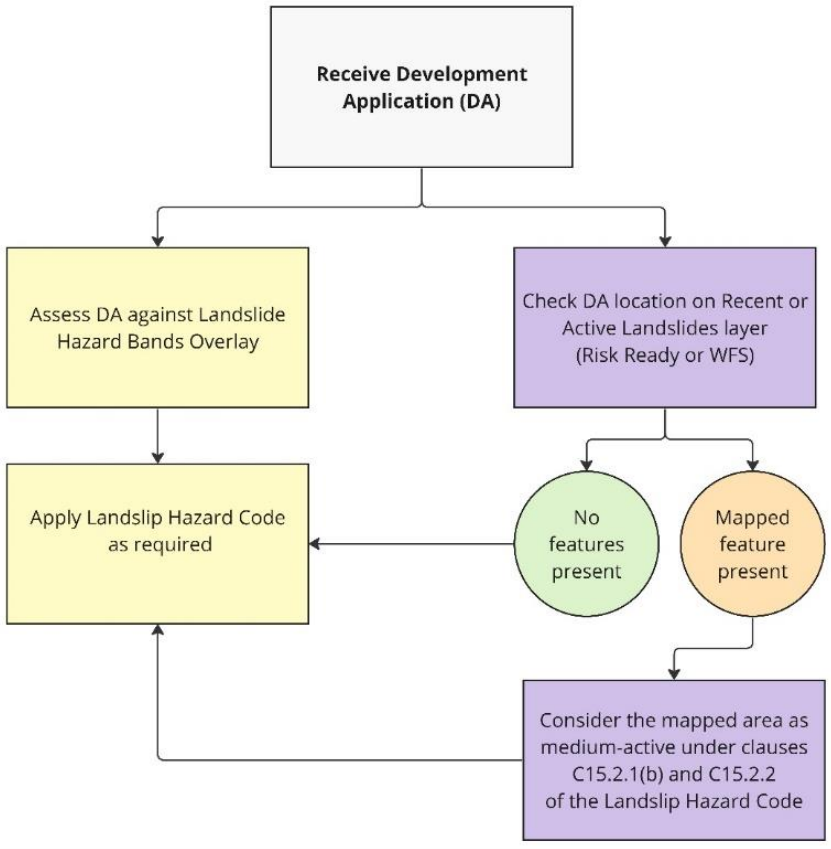

Figure 1. Application of the recent or active landslides layer in the development application assessment process.

3 Layer Access

Landowners, managers, or regulators can access the layer via a property based search on Risk Ready:

https://alert.tas.gov.au/get-ready/risk-ready/

Or connected directly into local GIS software via a REST data service:

https://data.stategrowth.tas.gov.au/ags/rest/services/MRT/GeohazardsWFS/MapServer

Or connected directly into local GIS software as a web feature service (e.g. if REST is not supported):

https://data.stategrowth.tas.gov.au/ags/services/MRT/GeohazardsWFS/MapServer/WFSServer?service=WFS&request=GetCapabilities

Note that the primary dataset is hosted by MRT's Geohazards TIGER database. This layer is a subset of MRT's landslide polygon layer.

Background information on the layer can be accessed on the following MRT website.:

https://www.mrt.tas.gov.au/geoscience/engineering_geology/accordion/recent_or_active_landslides_layer

4 Limitations and Usage Policy

The recent or active landslides layer is a spatial service to support the Landslide Planning Map (hazard bands) statutory map and the Landslip Hazard Code in the State Planning Provisions for land use planning. It provides a means of easily discovering new landslide information that is relevant for land use planning and building control decisions.

The layer was developed following the 2023 State Planning Provision Review, and subsequent consultation on the Landslide Planning Map in 2024. The need identified was for a way to elevate the hazard band of newly mapped active landslides in the planning and building control systems. Currently, newly mapped active landslides are not captured in the 'medium-active' hazard band until a full mapping update is released. The publication of this layer will bridge the gap between statutory map releases and allow up-to-date landslide information to be available and support regulatory decision-making.

The layer will include landslide features that have been identified as active or historically-active (approximately last 150 years) and that have been updated or mapped since the latest release of the Landslide Planning Map based on best available knowledge. Landslide polygons may be updated due to improvements in MRT's understanding of landslide boundaries, or because of expanding landslide activity, such as regression upslope, runout downslope, or lateral extension of activity. Features mapped prior to the current statutory map release (and not updated since) have been excluded because they have already been captured in the hazard banding as medium-active.

The layer will be updated as MRT receives information about active or historically-active landslides that have been mapped. This process relies on industry, local government, or public contacts to provide MRT with field observations, maps, aerial photographs or spatial layers of active landslides so that they can be entered into the database. Descriptions alone are not sufficient.

For a full inventory of landslides mapped by MRT, see MRT's Geohazards TIGER database.

5 Updates to Recent or Active Landslides layer

At times, MRT staff will perform mapping of active landslides as part of daily business. However, MRT does not routinely perform site visits for the purpose of mapping landslides. Most updates will require industry, local government, or public contacts to provide MRT with maps, aerial photographs or spatial layers of active landslides so that they can be considered for entry into the database.

Landslide features can only be entered or edited in TIGER by authorised members of the Geohazards team. This ensures an appropriate level of expertise and quality control on additions.

Maintenance of this layer will be undertaken as part of MRT's broader TIGER database maintenance processes.

5.1 Technical update process

- MRT becomes aware of an active or recently-active landslide, with sufficient information to map the feature as a polygon,
- If the information supplied is insufficient, MRT will record the feature in TIGER as a landslide point, but will request a map of the landslide extent to be provided before the feature becomes part of the recent or active landslides layer,
- The landslide feature is added to MRT's Geohazards TIGER database as closed-file, where it is assigned a unique landslide ID and the feature-type class set to 'Recent or Active',
- Approval is given for public release via a letter from the Director of Mines or his/her delegate to the planning authority, which includes the following information:
    - Landslide database TIGER ID
    - Date entered
    - Landslide location (description and coordinates)
    - Location map
- The feature becomes open-file (public) in TIGER

- The feature is published to the dependent web feature service and Risk Ready overnight.

6 Layer Governance

This layer is owned by Mineral Resources Tasmania. It is based on the best available knowledge but is not an authoritative layer.

As each new feature is added to the layer, the Director of Mines or his/her delegate will:

- Authorise the feature to be included in the layer,
- Write to the relevant Planning Authorities, State Planning Office (SPO), CBOS, and the Tasmanian Planning Commission to advise them that the feature has been added,
- Republish the layer with the updated feature.

Features in the layer will be updated into the Landslide Planning Map (components and hazard bands) every five years with the review of the State Planning Provisions. Unless in the view of MRT the event is considered significant enough for an amendment to the SPP. MRT will provide this advice when advising authorities of the update.

MRT may recommend to the SPO that it is a significant event, based on:

- The area is an active landslide and has been mapped, and:
  - Is or is likely to impact one or more dwellings, or
  - Is or is likely to impact critical infrastructure or
- Has a geotechnical investigation/landslide risk assessment,

Or

- MRT has declared it a Landslip A or B Area under the Mineral Resources Development Act 1995.

MRT will support the SPO in drafting and submitting a draft amendment to the Minister for Planning.

7 Contact for further information

Mineral Resources Tasmania provides an overview of the mapping used to inform the layer on its website.

If you have any additional questions please contact MRT via email: info@mrt.tas.gov.au or

phone: (03) 6165 4800.