

|                                 |  |
|---------------------------------|--|
| <b>Name:</b>                    | HISTORIC_HEIGHT_{YYYY}   |
| <b>Title:</b>                   | Flood height line data   |
| <b>Spatial Extent:</b>          | General - Victoria   |
| <b>Owner:</b>                   | Department of Sustainability and Environment   |
| <b>Custodian:</b>               | Department of Sustainability and Environment   |
| <b>Access:</b>                  | Restricted   |
| <b>Source Data Scale:</b>       | 25 000 with data inside Township boundaries at 5 000   |
| <b>Master Library Group:</b>    | NA   |
| <b>Jurisdiction:</b>            | Victoria   |
| <b>Custodial Business Unit:</b> | Flood Plain Management Unit  |
| <b>Custodial Program:</b>       | Water Resources Policy (WSG, DSE)  |
| <b>In CGDL?:</b>                | No   |
| <b>In Library?:</b>             | No   |
| <b>Abstract</b>                 | This layer contains line data (contours) delineating observed, modelled and interpreted flood heights derived from flood mapping projects. It is designed to accommodate Victoria wide geographic data of all historic floods. Note that flood height point features including spot heights are in a separate layer. |

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## Application of Layer:

### General:

HISTORIC\_HEIGHT\_{YYYY} is the dataset for the contours of all flood height data, historic, modelled and interpreted.

## Layer Design Summary:

### Current Layer Design Considerations:

1. The Flood Height Points coverage is designed to accommodate all available flood height point data, including observed flood heights. All historical data is included with observed, interpreted and modelled flood height data for each event within the one layer. A reliability and interpretation methodology can apply to each point.
2. While line-based flood height data is arranged in one coverage per event, eg. FLHITE\_XY, all points data is amalgamated into a single coverage with date fields to separate the recorded events.
3. The design assumes most attributes will be stored in the GIS layer, not an external database. The exception is flood area notes about reliability of the data that will be kept in an external database given the current limit of 320 characters for text strings.

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4. All data is related to different year / month flood events with a Victoria wide naming convention identifier (e.g. 1934\_01 is the January event of 1934).

1. Links to a flood extent in the FLEXT25\_XYZ layer.

### Future Layer Design Considerations:

Consideration for inclusion of large notes in the GIS may be given in future releases of ArcInfo

### Summary of Relationship to other Layers:

The FLHEIGHT25\_XY layer links to the flood extent layer FLEXT25\_XYZ using the flood extent identifier (FLDEXTID). The FLEXT25\_XYZ layer is used to derive the interpreted flood contours based on a flood extent and uses the flood height data.

## Data Currency Information:

**Data Set Status:** Completed

### Data Collection:

Collection Period: 01JAN1870 Current

Collection Progress: In Progress

Update Frequency: Irregular

## Data Currency Information:

### Data Set Origin:

Originality: Primary

Data Collection Method: Varied -mainly derived from flood extent (FLEXT25\_XYZ), precise topographic and modelled data

### Data Set Source:

Flood data dates back to mid 1800s and historically has been predominantly located in DNRE Floodplain Management Unit. Some data is located in Water Authorities.

### Data Set Processing Details:

Not Documented

### Positional Accuracy:

Precision: 10m to 100m

Determination: Deductive estimates and calibration of registration points against the cadastral layer

**Attribute Accuracy:**

Reliability information is coded in the flood height lines and points, but heights are typically better than 0.1m accuracy.

**Logical Consistency:**

n/a

**Completeness:****Coverage:**

All reasonably accessible data was captured across Victoria but may be localised depending on source material available.

**Classification:****Verification:****Access:****Constraints:****Access:**

Access Subject to Custodial Approval

**Use:**

Access Subject to Custodial Approval

**Stored Data Format:**

DIGITAL Arc/Info coverage stored on Gippsland GIS server GIGIS

**Available Format Type:**

DIGITAL - All major formats available

**Special Intellectual Property Details:**

Access Subject to Custodial Approval

**Quality:****Compliance:****Requirements:**

Requirements.

## Validations:

## Search:

| Search Word:    | Qualifier: |
|-----------------|------------|
| HAZARDS Flood   | none       |
| WATER Hydrology | none       |
| WATER Rivers    | none       |
| WATER Surface   | none       |

## Further Information:

### Authors Collators:

Nick Nikolaou, DNRE FPMU; Geoff Pettifer & Paul Currie, Geo-Eng Australia;

### Supporting Documentation:

Refer to mapping reports for each major data capture effort to be kept at DNRE Floodplain Management Unit.

## History:

### Stages:

Proposed:

Registered:

Provisionally Approved:

Approved:

Implemented:

Withdrawal To Occur:

Withdrawn:

### Last Review:

Commenced:

Proposed:

Approved

Implemented:

**Last Updated:**

Date: 4/05/2009

User: hv03

**History:**

Not Documented

**Related Datasets:**

**Citations:**

**Events:**

**Additional Metadata URL:**

**Related Documents:**

**Contacts:**

**Contact Name:**

Hans Van Elmpt

Viktor Brenners

**Telephone:**

(03) 51722172

03 9637 9014

**Contact Role:**

Dataset Data Manager

Dataset Owner

**Libraries:**

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# Full Description Report - HISTORIC\_HEIGHT\_{YYYY}

ANZLIC: ANZVI0803002090

| HISTORIC_HEIGHT_{YYYY} POLYGON TABLE (FLHEIGHT25_XY.PAT) |       |      |             |    |    |      |     |                |       |       |              |       |  |
|--|-------|------|-------------|----|----|------|-----|----------------|-------|-------|--------------|-------|--|
| Item Full Name   | Class | Coln | Item Name   | IW | OW | Type | Dec | Alternate Name | Oblgn | Orig. | Lookup Table | Scope | Notes                                  |
| HEIGHT   | 0     | 1    | HEIGHT      | 8  | 8  | F    |     |                |       |       |              |       | HEIGHT IN METERS, AHD                  |
| DATE OF FLOOD  | 0     | 9    | DATE        | 8  | 8  | D    |     |                |       |       |              |       | DATE OF FLOOD EVENT - DD/MM/YYYY       |
| RELIABILITY  | 0     | 17   | RELIABILITY | 2  | 2  | C    |     |                |       |       |              |       | RELIABILITY OF SOURCE INFORMATION      |
| METHOD   | 0     | 19   | METHOD      | 2  | 2  | C    |     |                |       |       |              |       | MAPPING METHOD USED                    |
| PLAN NUMBER  | 0     | 21   | PLAN_NO     | 10 | 10 | C    |     |                |       |       |              |       | ORIGINAL DOCUMENT PLAN NUMBER IF KNOWN |
| NOTE CODE  | 0     | 31   | NOTE_CODE   | 6  | 6  | I    |     |                |       |       |              |       | SEE NOTE CODE LOOKUP TABLE             |
| MODIFICATION DATE  | 0     | 37   | MODIFIED    | 8  | 8  | I    |     |                |       |       |              |       | DATE OF REVISION IN YYYYMMDD           |
| VERSION NUMBER   | 0     | 45   | VERSION     | 2  | 2  | I    |     |                |       |       |              |       | 1 FOR NEW FEATURES. HIGHER IF EDITED   |