

Name: CONTOUR_{N}Y_ARI
Title: Statistical flood heights {recurrence interval}
Spatial Extent: General - Victoria
Owner: Department of Sustainability and Environment
Custodian: Department of Sustainability and Environment
Access: General
Source Data Scale: 25 000 with data inside Township boundaries at 5 000
Master Library Group: NA
Jurisdiction: Victoria
Custodial Business Unit: Flood Plain Management Unit
Custodial Program: Water Resources Policy (WSG, DSE)
In CGDL?: No
In Library?: No

Abstract This family of layers contains line features delineating modelled statistical flood heights. This data is also referred to as flood height contours. The layer name is suffixed with a number representing the recurrence interval, eg 100. If the interval was 100, then 1 in every 100 years there would be an expectation of the event occurring.

The data is statistically derived using hydrological models, historic flood extents and heights.

Application of Layer:

General:

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.

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:

As Floodways have a legal status their boundaries are verified against cadastral data in the PARCEL layer. Flood Features (FLFEAT25) are another Flood data group which has official status.

Data Currency Information:

Data Set Status: Commenced

Data Collection:

Collection Period: 01DEC1997 Current

Collection Progress: In Progress

Update Frequency: As required

Data Currency Information:

Data Set Origin:

Originality: Primary

Data Collection Method: Declared areas have legally denoted boundaries

Data Set Source:

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

Data Set Processing Details:

Not Documented

Positional Accuracy:

Precision: 10m to 100m

Determination: Deductive estimates

Attribute Accuracy:

Reliability information is coded in the segments of the flood extent polygons.

Logical Consistency:

Testing based on QA procedures is to be part of the data collection process and will be included in mapping reports for each major data capture effort.

Completeness:**Coverage:**

Floodplain Management Unit mapping conventions on definitions of floodway data will be followed

Classification:

Not Documented

Verification:

Not Documented

Access:**Constraints:****Access:**

Access Subject to Custodial Approval.

CONTOUR_{N}Y_ARI is freely available within DSE and Catchment Management Authorities.

Use:

Access Subject to Custodial Approval

Stored Data Format:

DIGITAL Arc/Info Revision 7 Librarian layer

ArcSDE - mapdbdev - for NRE-map

Master version stored as DIGITAL Arc/Info coverage 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:

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 DSE 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:

Full Description Report - CONTOUR_{N}Y_ARI

ANZLIC: ANZVI0803003633

CONTOUR_{N}Y_ARI POLYGON TABLE (FLHEIGHT25_XY.PAT)													
Item Full Name	Class	Coln	Item Name	IW	OW	Type	Dec	Alternate Name	Oblgn	Orig.	Lookup Table	Scope	Notes
LENGTH	0	1	LENGTH	50	50	F							LENGTH IN METERS
PERIMETER	0	51	PERIMETER	50	50	F							HEIGHT IN METERS AHD
METHOD	0	101	METHOD	50	50	C							MAPPING METHOD USED
RELIABILITY	0	151	RELIABILITY	10	10	I							SCALE OF ORIGINAL DOCUMENTS IF KNOWN
PLAN NUMBER	0	161	PLAN_NO	10	10	C							ORIGINAL DOCUMENT PLAN NUMBER IF KNOWN
NOTE CODE	0	171	NOTE_CODE	6	6	I							SEE NOTE CODE LOOKUP TABLE
MODIFICATION DATE	0	177	MODIFIED	8	8	I							DATE OF REVISION IN YYYYMMDD
VERSION NUMBER	0	185	VERSION	3	3	I							1 FOR NEW FEATURES. HIGHER IF EDITED