

Name:	HISTORIC_EXTENT_{YYYY}
Title:	Flood Extents
Spatial Extent:	General - Victoria
Owner:	Department of Sustainability and Environment
Custodian:	Department of Sustainability and Environment
Access:	Restricted
Source Data Scale:	1: 25 000
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	<p>This family of layers contains polygon and arc features delineating mapped extents of flood events. It is designed to accommodate Victoria wide studies of all historic floods.</p>

The YYYY in the name represents the year in which the data was captured.
Data captured with an unknown date is suffixed with 9999 instead of a date in the name.

Application of Layer:

General:

Layer Design Summary:

Current Layer Design Considerations:

1. The Flood Extent layer is designed to show all available flood extent data. All historical data is included with separate layers for each flood event. Layers will be separated by the date of the event. The date will be in the format of 'YearMonth' and whenever required the day of the month will be included. The polygons will consist in some cases of segments, with the ability to assign notes and different degrees of reliability and interpretation methodologies to each segment.
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).
5. This layer is used in conjunction with topographic data to derive flood contours in FLHEIGHT25_XY layer although the height of nodes in the polygons are not attributed with height.

Future Layer Design Considerations:

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

Summary of Relationship to other Layers:

The flood index layers for extent maps, geology maps, aerial photographs, satellite photographs and topography (layers :FLMINDEX_XYZ, FLGINDEX_XYZ, FLPINDEX_XYZ, FLSINDEX_XYZ, FLTINDEX_XYZ respectively) are used to show the extent of available data for each flood event and linked to this layer through the FLEVNTID field.

The FLHEIGHT25_XY layer contains interpreted flood contours based on a flood extent.

Each flood extent is usually related to stream gauges and there is a link to the GAUGE100 stream gauge layer through the stream gauge identifier.

Data Currency Information:

Data Set Status: Planned

Data Collection:

Collection Period: 01JAN1870 Current

Collection Progress: In Progress

Update Frequency: Annual

Data Currency Information:

Data Set Origin:

Originality: Primary & Derived

Data Collection Method: Varied - includes observed flood levels, air photo, topographic, cultural, satellite and soil map interpretation ; and modelled data

Data Set Source:

Flood data dates back to mid 1800's 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 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 flood mapping extent data will be followed

Classification:

Not documented

Verification:

Not documented

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

DIGITAL - All major formats available

Special Intellectual Property Details:

Access Subject To Custodial Approval

Quality:

Compliance:

Requirements:

Validations:

Search:

Search Word:

HAZARDS Flood

Qualifier:

Mapping

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:

Full Description Report - HISTORIC_EXTENT_{YYYY}

ANZLIC: ANZVI0803002081

HISTORIC_EXTENT_{YYYY} POLYGON TABLE (FLEXT25_XYZ.PAT)													
Item Full Name	Class	Coln	Item Name	IW	OW	Type	Dec	Alternate Name	Oblgn	Orig.	Lookup Table	Scope	Notes
PERIMETER	0	16	PERIMETER	15	15	F							PERIMETER IN METERS
FLEXTSDT	0	39	FLEXTSDT	8	8	I							Expressed as reverse integer eg 20010201 is 1st of Feb 2001
DATE	0	55	DATE	8	8	I							DATE USED FOR INTERNAL DATA MANAGEMENT
STATION IDENTIFIER	0	63	STATION_ID	8	8	I							SOURCED FROM GAUGING STATION MANAGERS
METHOD	0	71	METHOD	50	50	C							MAPPING METHOD USED
RELIABILITY	0	121	RELIABILITY	10	10	C							RELIABILITY OF SOURCE INFORMATION
PLAN NUMBER	0	131	PLAN_NO	10	10	C							THE ORIGINAL DOCUMENT NUMBER IF KNOWN
SCALE	0	141	SCALE	8	8	I							SCALE OF THE ORIGINAL DOCUMENTS IF KNOWN
SOURCE	0	149	SOURCE	30	30	C							ORGANISATION THAT PROVIDED THE DATA
REPORT	0	179	REPORT	99	99	C							DESCRIPTION OF FLOOD STUDY REPORT INCLUDING NAME AND DATE OF STUDY
NOTE CODE	0	305	NOTE_CODE	6	6	I							SEE NOTE_CODE LOOKUP TABLE
DATE MODIFIED	0	311	MODIFIED	8	8	I							DATE OF REVISION IN YYYYMMDD
VERSION NUMBER	0	319	VERSION	2	2	I							1 FOR NEW FEATURES. HIGHER IF EDITED