



**The LIST**  
**Data Compilation**  
**Specifications for Data Sets**  
**Volume 5 The Relief Theme**

Draft Version 0.1

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1 Instruction manuals

2 Geography

Department of Primary Industries, Water and Environment

[Disclaimer]

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## Acceptance and Release Notice

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**Version** This is Draft Version 0.1 of *The LIST: Data Compilation: Specifications for Data Sets: Volume 5, The Relief Theme*.

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**Document management** *The LIST: Data Compilation: Specifications for Data Sets: Volume 5, The Relief Theme* is a managed document.  
 For identification of versions each page contains the version number as well as a page number.  
 Changes will only be issued as a complete replacement.  
 All obsolete versions shall be destroyed immediately.  
 This document is authorised for release once all signatures have been obtained.

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**Approved**

Signed: ..... Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 (Project Manager)

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**Accepted**

Signed: ..... Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 (Steering Committee Chairperson)

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## Amendment and Release Register

### BUILD STATUS

This volume is the fifth of a set of volumes that are under development and that will constitute *The List: Data Compilation: Specifications for Data Sets*.

Version*	Date	Author	Reason	Chapters
Draft 0.1	20 April 1999	John Coombes	For demonstration and review.	1-2; Appendixes A, B

\*List the most recent version first.

### AMENDMENTS IN THIS RELEASE

Chapter reference	Amendment summary
--	This is the first release of this document.

### DISTRIBUTION

Copy No	Version	Issued to	Issue date
1	0.1	Robert Twin, DPIWE	10 May 1999
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3	0.1	Simon Greener, Forestry Tasmania	
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10	0.1	Andy Warner, Private Forests Tasmania	
11	0.1	Richard Mount, DPIWE	

## About this Draft

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**Release for user-testing**

This draft version is released for trial purposes to enable users to test the document for validity and comprehensiveness.

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**Reporting errors etc.**

Users are encouraged to report any errors, obscurity and omissions in the subject matter. Please make your comments and suggestions about this draft version to:

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**Editorial notations**

The query, i.e. ?, is used before and after text that is known to be uncertain, e.g. the egg ?comes before? the chicken.

A double query with no text, i.e. ??, means that subject matter may be required, e.g. integer(??).

Square brackets, i.e. [ ], are used to enclose editorial text that will be deleted from following versions.

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# Chapter 1

## The Relief Theme in General

### Introduction

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**See Volume 1** For background information to this volume, refer to *Volume 1 General*.

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**Classification of theme** The Relief theme is a sub-topic within the general topic of [Administration](#).

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**Outline of user requirements** The Relief theme is intended to serve users who:

- simply want the display or mapping of Relief elements;
- need a framework for recording information related to Relief features;
- by using it with the ... theme, want to generate other data sets concerned with ... etc.;
- want to extract information about drainage networks.

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**Information recorded** The Relief theme is designed to record the position, attributes and names of:

- .

---

**Some information not recorded** The theme does not record:

- .

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**Disclaimer concerning reliability for ...** Although the theme ...

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## Definitions of Spatial Classes

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**Definitions** This table lists the definitions of the spatial classes within the Relief theme. .

Field name (Name)	Class Name (Screen Text)	Definition
Contour	Contour	An imaginary line representing a constant elevation on the earth's surface.
Spot_ht	Spot Height	An <del>imaginary</del> point of <u>known</u> elevation on the earth's surface <u>or a structure</u> .

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## Class Relationships within the Theme

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### Model of relationships

This diagram on the following page represents a model of the Relief theme. It shows how the various classes of data relate to one another.

Note:

1. There are no aspatial classes.
  2. Refer to 'Relationships between Classes' in Chapter 2 of Volume 1 for an explanation of the symbols used by the diagram to depict the various relationships between the classes of the theme.
- 

### Some relationships not shown

A relationship that is many to many and optional to optional is not shown unless it is the only relationship, or the only form of relationship, to one of the two classes.

Reason: This form of relationship does not limit either of its parties and effectively means only that a topological relationship is possible.

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### Fundamental classes

The whole geographic area will be represented as instances of three fundamental classes: *Estuary*, *Land* or *Sea*.

All other classes overlap with and relate in some way to one or more of these fundamental classes.

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*Continued on next page*

## **Class Relationships within the Theme, Continued**

[Insert diagram here]



## Specification for Class: Contour, Continued

### Attributes

<b>Contour Type</b>	contour_ty	smallint(2)	M
---------------------	------------	-------------	---

DEFINITION: [tbd]

CONDITION:

DOMAIN: The code list *ContTy* as follows:

Code	Value	Meaning
-1	Unknown	No data is available.
1	Index Contour	[tbd]
2	Index Form Line	[tbd]
3	Intermediate Contour	[tbd]
4	Intermediate Form Line	[tbd]
5	Index Depression Contour	[tbd]
6	Index Depression Form Line	[tbd]
7	Intermediate Depression Contour	[tbd]
8	Intermediate Depression Form Line	[tbd]
9	Auxiliary Contour	[tbd]
10	Auxiliary Depression Contour	[tbd]

<b>Elevation</b>	elevation	smallint(6)	M
------------------	-----------	-------------	---

DEFINITION: The elevation relative to the adopted datum for the land.

DOMAIN: Open

EXAMPLE: 1234

<b>Computed Length</b>	comp_len	numeric(6,1)	M
------------------------	----------	--------------	---

DEFINITION: The computed length of the feature instance, in metres.

DOMAIN: The entire range.

EXAMPLE: 583.4

## Specification for Class: Spot Height

### Class details

DATABASE CODENAME: Spot\_#Ht      SPATIAL OBJECT: Point  
 DEFINITION: A point of [known](#) elevation on the earth's surface [or a structure](#).  
 INCLUDED TERMS:  
 OTHER DETAILS:

### Relationships

This table specifies the relationship of this class (A) to other classes (B).

Class B	Degree of A to B	Relationship to B is...	Dimensional pair	Relational type
--		optional/ mandatory	--	--

### Key to header

The key to the header for the identifier and attributes is:

Name of identifier/attribute	Field name	Format	*
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\*Degree of necessity: M = mandatory, C = conditional, O = optional.

### The identifier

Spot Height ID	spot_ht_id	integer(10)	M
----------------	------------	-------------	---

DEFINITION: The identifier for a *Spot Height*.

DOMAIN: The entire series.

EXAMPLE: 1234567890

### Attributes

Spot Height Type	spot_ht_ty	integer(10)	M
------------------	------------	-------------	---

DEFINITION: [tbd]

DOMAIN: The code list *SpotHtTy* as follows:

Code	Value	Meaning
-1	Unknown	No data is available.
1	Observed	[tbd]
2	Interpolated	[tbd]

Elevation	elevation	smallint(6)	M
-----------	-----------	-------------	---

DEFINITION: The elevation relative to the adopted datum for the land.

DOMAIN: Open

EXAMPLE: 1234

## Appendixes

### A. Relief Glossary

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**Source** Sources for the following terms and definitions include: ICSM's data dictionaries and the *Macquarie Dictionary* (md). In some cases they have been adapted.

Term	Definition
<b>auxiliary</b>	
<b>elevation</b>	the vertical distance above a specific level, e.g. sea-level. (pd)
<b>form line</b>	
<b>index</b>	
<b>intermediate</b>	

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## B. Bibliography

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AS/NZS 4271.2 Geographic Information—Data dictionary—Cadastre 1999 [derived from ICSM *Relief Data Dictionary* 1998].

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