

British Columbia Specifications and Guidelines for Geomatics

Content Series
Volume 4

Digital Baseline Mapping at 1:5 000/1:2 500

Release 2.0
November 1991

Ministry of Environment, Lands and Parks
Geographic Data BC
Province of British Columbia



Digital Baseline Mapping at 1:5 000 / 1:2 500

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Canadian Cataloguing in Publication Data

Main Entry under title:
British Columbia specifications and guidelines for geomatics. Content series
Contents: v.4 Digital baseline mapping at 1:5 000/1:2 500.

ISBN 0-7718-9131-8(set) ISBN 0-7717-9132-6(v.4)

Digital mapping - Standards.
Cartography – British Columbia
British Columbia – Maps. I. British Columbia. Geographic Data BC.

GA139.B74 1991 526 C91-092356-6

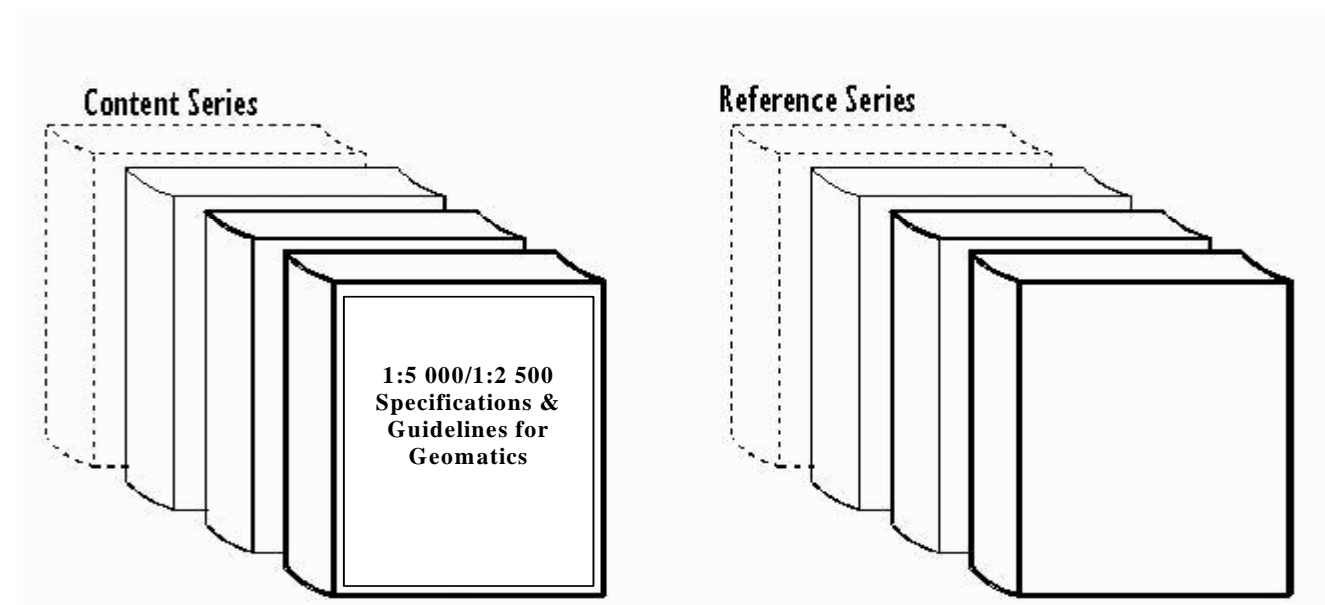
Foreword

Digital Baseline Mapping at 1:5 000 / 1:2 500

Foreword

This report is Volume 4 of a series of documents providing a content reference for the specification and transfer of geomatics data. In the broad field of geomatics, one of the main limiting factors to the wide use of Geographic Information Systems has been the lack of widely applicable data specifications. The current work and its companion volumes describe a set of specifications appropriate for geomatics data management and data sharing.

A way of thinking about geomatics specifications is to establish a common framework encompassing the definition and documentation of (1) a Reference Series and (2) a Content Series. The Reference Series includes methodologies for describing geomatics data and for handling it in various computer and communications environments. The Content Series defines the features and attributes, as related to topographic data, cadastral data, forestry data, soils data, and a variety of other themes. The constructs and classes required for the content definitions are supported directly by the reference data model. Thus, the notions of reference and content are complementary, yet integrated. The two series and the associated approaches to their development describe completely the definition and documentation framework.



The current document is Volume 4 of the Content Series of the British Columbia Specifications and Guidelines for Geomatics. This manual of specifications represents the culmination of some three years of testing and applied application. Many committee members have participated and each has left his or her particular imprint. For this, they are all owed a debt of gratitude by those of us who will reap the benefit of their effort. These specifications represent a significant step in the Province of British Columbia toward the standardization of cartographic representation as indicated by the acceptance of the "Map Representational File" depiction standards. However, there remains much to be done in the way of obtaining a broader acceptance of the theory of a generic data format in the form of the MOEP file or an accepted alternative.

Adoption of the Canadian Council on Surveying and Mapping (CCSM) feature codes has set the stage for this development and will assure unique feature codes for all mapped features in British Columbia. As well, there must be development of specifications for the thematic aspects of geo-referenced data and its associated databases. Work is now in progress toward that objective. The increasing demand for usable digital data from different sources to be integrated in Geographic Information Systems will force an adoption of common standards of accuracy, data structure, storage and transfer formats and cartographic representation by data producers. The British Columbia Specifications and Guidelines for Geomatics represent recognition of this fact and a positive step in that direction.

Digital Baseline Mapping at 1:5 000 / 1:2 500

Table of Contents

FOREWORD	i
Foreword	iii
Introduction	i
Introduction	iii
Background	iii
Objective	iii
Format	iii
 PART I GENERAL SPECIFICATIONS.....	 1
Section 1 - System of Mapping	1
Section 1 - System of Mapping	3
1.1 British Columbia Geographic System	3
Section 2 - Cartographic Framework	1
Section 2 - Cartographic Framework	3
Section 3 - Digital Data Files	1
3.1 General	3
3.2 Digital Data Format	3
3.3 Positional Files	3
3.4 Representational Files	4
Section 4 – Data Accuracy	1
Section 4 – Data Accuracy	3
4.1 Topographic Mapping	4
4.2 Graphical Data Accuracy	6
4.3 Published Map Accuracy	6
Section 5 Data Structure	1
Section 5 - Capture Rules for Specific Data Type	3
5.1 Feature Types	3
5.1.1 Point Features (Type 01)	3
5.1.2 Line Features (Type 02 and Type 12)	4
5.1.3 Curvilinear Features (Type 03 and Type 13)	5
5.1.4 Text Features (Type 06)	5
5.2 Digitizing Guidelines	6
5.2.1 Right Hand Rule	6
5.2.2 Downstream Rule	7
5.2.3 Continuity Rule	8
5.2.4 Polygon Rule	8
5.2.5 Connectivity and Network Rule	9
5.2.6 Data Collection 3-D	11
Section 6 Digital Elevation Models	1
Section 6 - Digital Elevation Models	3
6.1 DEM Definitions	3
6.2 DEM Specifications	3
6.2.1 Gridded DEM Data Capture	4
6.2.2 Random DEM Data Capture	4
6.2.3 Supplementary DEM Data Resolution	4

6.2.4	Data to be Excluded from DEM.....	4
6.2.5	Breakline Interpretation.....	4
Section 7	Transfer Format	1
Section 7 -	Transfer File Format.....	3
7.1	Magnetic Tape Format	3
7.2	MOEP ASCII Format.....	4
7.2.1	ASCII Record Format	4
7.2.2	MOEP Feature Types	5
7.2.3	MOEP Feature Type Definition	5
7.2.4	Sample MOEP ASCII Format File.....	9
7.3	MOEP Binary Format	10
7.3.1	ASCII to Binary Comparison	10
7.3.2	MOEP Binary Format Description	12
7.3.3	MOEP Binary Examples	14
PART II	DETAILED GEOGRAPHIC OBJECT SPECIFICATIONS	1
Section 1	Feature Name / Feature Code Correlation	1
Section 1 -	Feature Name / Feature Code Correlation.....	3
1.1	Feature Class / Feature Code Listing by Class	3
[1.3	Feature Name / Feature Code Index.....	29
Section 2	Detailed Geographic Object Specifications.....	1
Section 2 -	Detailed Geographic Object Specifications.....	3
2.1	General Notes.....	3
2.2	Instructions on Use of Detailed Specifications Tables	5
2.3	Notes on Detailed Specifications.....	7
2.3.1	Remarks - Aerial Triangulation and Related Features.....	8
2.3.2	Remarks - Hydrographic and Related Features	9
2.3.3	Remarks - Hypsographic, Landform, and Related Features	13
2.3.5	Remarks - Landmark and Related Features.....	19
2.3.7	Remarks - Transportation and Related Features.....	23
2.4 -	Detailed Specifications	25
DETAILED SPECIFICATIONS		1
PART III	DETAILED BUSINESS OBJECT SPECIFICATIONS.....	1
PART IV	APPENDICES	1
Appendix A -	Deliverables	1
A.1	Data Capture Deliverables.....	3
A.2	Cartographic Enhancement Deliverables	3
A.3	Edit Notations.....	4
A.4	Procedures for Marking Contractor Toponymy Submissions	4
A.5	General Deliverables	4
Appendix B	Representation File Editing Guidelines (Cartographic Enhancement).....	1
Appendix B -	Cartographic Enhancement.....	3
B.1	General	3
B.2	Hierarchical Order for Feature Positioning	3
B.3	Specific Editing Situations	3
B.4	Representational Hierarchy	3

B.5	Basic Lettering Standards.....	4
B.6	Guidelines Regarding Text Placement	4
Appendix C Geographical Nomenclature (Toponymy)		1
Appendix C - Geographical Nomenclature (Toponymy)		3
C.1	Range of Text Sizes to be Used (Toponymy).....	3
C.2	Guidelines for Land Features	6
C.3	Guidelines for Nomenclature of Water Features	7
Appendix E Surround Information		1
Appendix E - Surround Information.....		3
E.1	Cartographic Separations	3
E.2	Master Surround	3
E.3	Legend.....	4
Appendix G - IGDS Level/Colour Guidelines.....		1
Appendix G – IGDS Level/Colour Guidelines		3
G.1	Feature Code - Feature Name - Level/Colour Correlation	3
G.2	Feature Name - Feature Code - Level/Colour Correlation	13
Appendix H Codes, Features and Definitions.....		1
READER'S COMMENT FORM.....		1

Introduction

Introduction

Background

Digital mapping is the technology which utilizes a computer-based system for the efficient handling of the input, storage, manipulation and graphic representation of geo-referenced data. This capability is very important for municipal managers to portray information related to the land within their jurisdictional boundaries. To be compatible with other land related information, it requires a planned strategy for municipal Graphic Information Systems (GIS). Proper design of data formats, models, relationships and specifications will facilitate data compatibility between different municipal GIS users.

The Ministry of Lands has the mandate to develop a corporate approach to land information mapping in the province which demands recognized specifications. With this mandate the Geographic Data BC Branch (GDBC) is responsible for the development and implementation of Large Scale Digital Mapping Specifications. These specifications should facilitate integration of all digital large scale spatially related information with other land related information within the province.

Objective

The objective of this manual is to provide a central, unique format for the presentation and standards and procedures for the generation of geo-referenced digital data sets in the Province of British Columbia. In particular, these specifications are well designed to relate to the production of topographic, cadastral and municipal data at scales of 1:5 000, and 1:2 500 in hard copy and digital form. Contractors, Provincial Government Ministries, Municipal Districts and other agencies can obtain copies of these specifications from Geographic Data BC, BC Lands (herein referred to as the Branch).

Format

This manual consists of five sections:

- Part I – Introduction
- Part II - General Specifications
- Part III - Detailed Geographic Object Specifications
- Part IV - Detailed Business Object Specifications (Attributes)
- Part V – Appendices

Digital Baseline Mapping at 1:5 000 / 1:2 500

Part I GENERAL SPECIFICATIONS

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 1 - System of Mapping

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 1 - System of Mapping

All mapping produced using these specifications for the Ministry of Lands conforms to the British Columbia Geographic System of Mapping (B.C.G.S) as defined in the Ministry of Environment publication entitled British Columbia Standards System of Mapping, 1976 Edition.

1.1 British Columbia Geographic System

The British Columbia Geographic System is a geographic system in which the coverage in minutes and seconds of longitude is double the coverage in minutes and seconds of latitude for sheets at all scales. The smallest scale in the system is 1:20 000 derived from a breakdown of the N.T.S. 1:250 000 sheet into 100 parts. Larger scales are obtained by successive quartering or further division into 100 parts. A map number consists of the appropriate N.T.S. 1:250 000 map number followed by the numbers of each successive breakdown, each separated by a period. See Table 1.1 and Figure 1.

Table 1.1

B.C.G.S. Scales, Map Numbers and Coverage

Scale	Map Number	Longitude	Latitude
1:20 000	82F.035	12'	6'
1:10 000	82F.035.1	6'	3'
1:5 000	82F.035.2.2	3'	1'30"
1:2 500	82F.035.4.4.4	1'30"	45"
1:1 000	82F.035.45.1	36"	18"
1:500	82F.035.45.2.2	18"	9"

Digital Baseline Mapping at 1:5 000 / 1:2 500

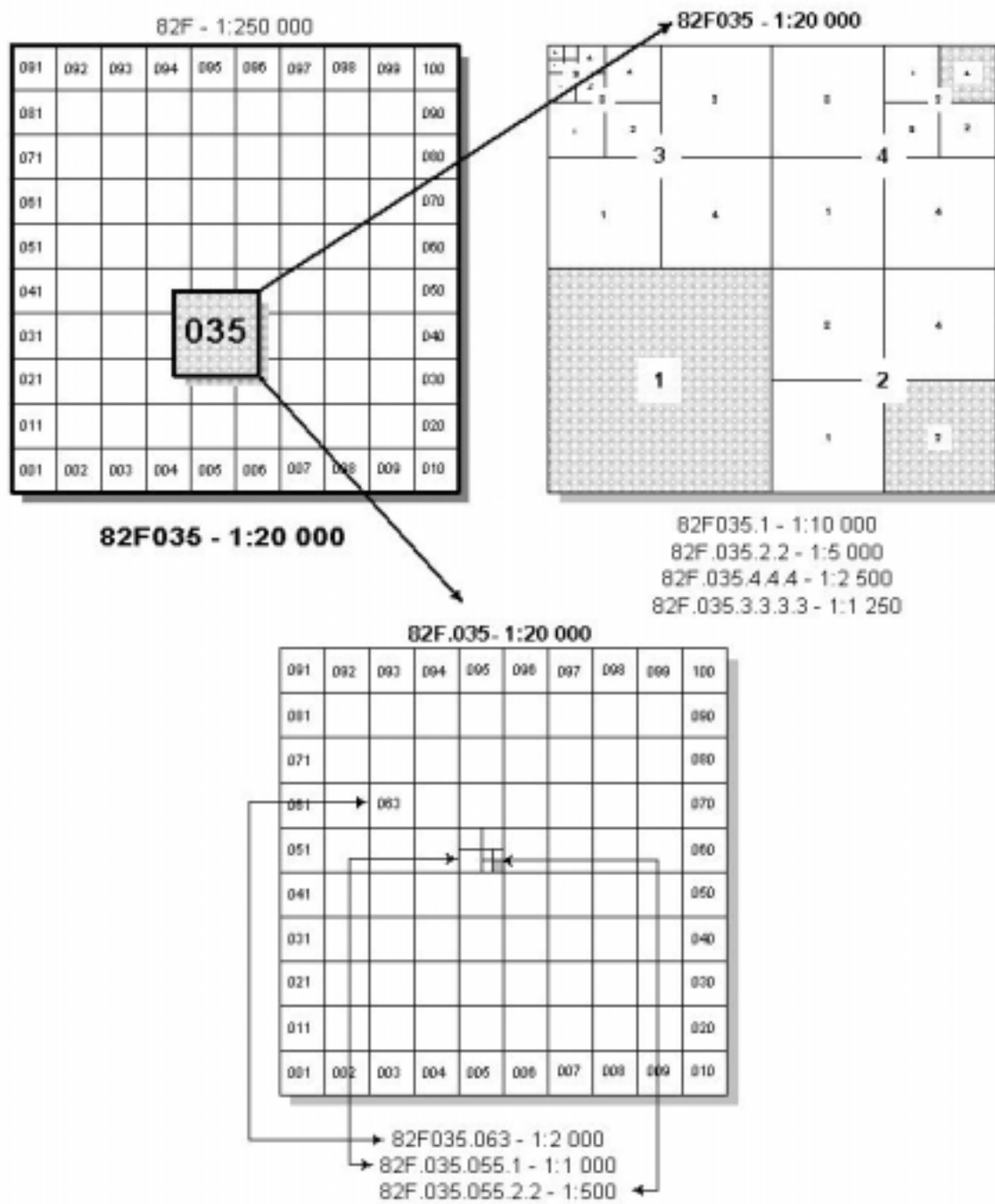


Figure 1

Section 2 - Cartographic Framework

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 2 - Cartographic Framework

All mapping is presented on the Universal Transverse Mercator Coordinate System (based on the 1983 North American Datum). The following points define more closely the map coverage as projected onto this datum.

- a. The trimmed size of the sheet shall be 969 millimetres by 600 millimetres. The neat line shall be defined in Latitude by straight-line segments joining the geographic sheet corners and calculated at each six seconds of Longitude. The neat line shall be defined in Longitude by the straight line joining the geographic sheet corners.
- b. For 1:2 500 scale mapping the neat line is defined in latitude by the straight-line segments joining the geographic sheet corners and calculated at each three seconds of longitude. The neat line is defined in longitude by a straight line joining the geographic sheet corners.
- c. The plane reference grid will be the Universal Transverse Mercator Coordinate System depicted at ten centimetre intervals at map scale. The datum used is the North American Datum defined in 1983 (NAD 83).
- d. The vertical datum will be mean sea level as established by the Geodetic Survey of Canada.
- e. For datasets that have a sheet boundary coincident with the 49° or 60° parallel, the 49° or 60° parallel is defined and labelled at the corners but the sheet neatline is either the parallel or the surveyed B.C. boundary or a combination of both such that maximum area is covered. The B.C. boundary is a surveyed line and is not always consistent with the line of latitude. The surveyed line is apparent at times north of the parallel, at times it will cross or be coincident with the parallel, and at other times it is evident south of the parallel.

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 3 - Digital Data Files

Digital Baseline Mapping at 1:5 000 / 1:2 500

3.1 General

- A. Any or all of the following data files will be specified for each project. These data files will be used to produce the digital data base as required.

Tape 1:

- Data File 1 -Digital Elevation Model (Section 3.3)
- Data File 2 -Raw Contour File (non edited contours from DEM)
- Data File 3 -Non-Positional File (generic texts for positional check plots and representational processing)
- Data File 4 -Planimetric Positional File (Section 3.3)

Tape 2:

- Data File 1 -Planimetric Representational File (Section 3.4)
- Data File 2 -Contour Representational File (Section 3.4)

- B. Digital planimetric raw contour data shall be clipped to the neat line as defined in Part I, Section 2. Digital Elevation Model data verification plot shall extend beyond the map sheet neat line by 10 millimetres.
- C. All positional data shall be submitted in continuous 3-D form (i.e. easting, northing and elevation).
- E. Only digital positional data shall be feature coded according to the feature codes given in Section 3. (National Standards codes as adopted by the CCSM).

3.2 Digital Data Format

The digital data files specified for the project shall be in the following formats:

Tape 1:

- Data File 1 - Digital Elevation Model, Interchange format as per Part I Section 7;
- Data File 2 - Raw Contour File, Interchange format as per Part I Section 7;
- Data File 3 - Non-Positional File, Interchange format as per Part I Section 7;
- Data File 4 - Planimetric Positional File, Interchange format as per Part I Section 7;

Tape 2:

- Data File 1 - Planimetric Representational File, The version of Intergraph Design File (IGDS) to be indicated by GDBC.

Data File 2 - Contour Representational File.

3.3 Positional Files

Each Positional file shall contain positionally correct, complete, edited map data for one 1:5 000 or 1:2 500 map sheet. The data shall consist of all digital planimetric data compiled directly by stereo compilation. The digital data contained in the Positional files shall be according to those map features given in the detailed specifications in Part II of this manual, and shall be collected in accordance with the guidelines set out in Appendix B. No positional adjustments of data to eliminate conflicts shall be performed on this file.

All 1:5 000 or 1:2 500 map sheet data files will be completed to the full map sheet boundary regardless of provincial, municipal or district boundary conflicts, where the aerial triangulation and/or control survey permits.

Map data shall be edited as outlined in Part I Section 5 to the extent that all stereo model edge ties have been performed, ties to adjacent map sheets have been performed, linear features have connectivity and continuity, areal features have been explicitly closed, redundant data have been eliminated, and data have been coded according to the detailed specifications in Section 3.

Digital Baseline Mapping at 1:5 000 / 1:2 500

Hard copy computer-assisted verification plots, produced from the Positional Files at any of the above scales as required by the project, are required for each positional file submitted. (refer to Appendix A)

The verification plots shall contain an identification title. Data which describes symbology or patterning construction elements used to produce the Representational file shall not be included in the Planimetric Positional File submitted to the client, even though these may be necessary to produce the required hard copy output, and shall be placed in a separate Non-Positional File.

Digital Elevation Models shall contain all DEM points collected directly by stereo compilation, breaklines (sharp and rounded), and supplementary data indicated in Part II that has been filtered to the specifications outlined in Part I Section 6. This data will extend beyond the map sheet neat line by 10 millimetres, as specified in Part I Section 6. The new contours generated from the DEM shall be a separate file on the tape containing the positional information.

Any changes made to the Positional Files as a result of quality control, e.g. missing data, incorrect coding, etc., must be corrected and the appropriate data file re-submitted in its corrected form. The raw contours are a separate file on the tape containing the positional information.

3.4 Representational Files

Each Map Representational File shall contain cartographically correct, complete, edited map data for one 1:5 000 or 1:2 500 map sheet.

All positional offsets (cartographic enhancement/generalization) of map data for the purposes of feature clarity or cartographic symbolization shall be performed on these files, which initially shall be a copy of the Positional files excluding DEM. Where offsets are required they shall be made in accordance with the hierarchy described in Appendix B. These files shall be used to produce the final hard copy separations of the 1:5 000 and 1:2 500 maps.

Cartographic Separations

Any or all of the following hard copy cartographic separations may be specified for each project. These plotted separations will be used to produce the map layers and combinations as required. See Appendix E for detailed instructions on Separation 1.

- Separation 1 - Master Surround and Legend Information
- Separation 2 - Planimetry (Drainage, Cultural, Toponymy)
- Separation 3 - Contours
- Separation 7 - Orthophoto

Section 4 – Data Accuracy

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 4 – Data Accuracy

The accuracy requirements stated in these specifications will reflect those standards set under the North American Treaty Organization (NATO) Standard Agreement (STANAG) for the evaluation of Land Maps.

The following information will provide a common understanding of the requirements and the statistical probabilities involved.

NATO accuracy standards are referenced to the Linear Map Accuracy Standard in Z and the Circular Map Accuracy Standard in X, Y at the ninety percent confidence intervals. In mapping there are two major types of distribution:

- A. Univariate.
- B. Bivariate.

- a. Univariate

The univariate case is one dimensional and in mapping refers to the Z value or elevation (height). It is referred to as the Standard Error or the Mean Square Error in Height (MSEH).

Standard Error:

$$\sigma_Z = \left[\sum_{i=1}^n \left(\frac{x_i - \bar{x}}{n-1} \right)^2 \right]^{1/2}$$

Standard Error	=1.00 σ_Z	=68.27% probability
Linear Map Accuracy Standard	=1.64 σ_Z	=90.00% probability
Near Certainty Error	=3.00 σ_Z	=99.73% probability
(Rejection level)	=2.57 σ_Z	=99.00% probability

b. Bivariate

There are two methods of considering the bivariate case, those being the Mean Square Error (MSE) or Mean Square Error of Position (MSEP) and the Circular Standard Error (CSE).

The MSE or MSEP can be unreliable in probability if the ellipticity deviates significantly from a circle.

Mean Square Error (MSE) or Mean Square Error of Position (MSEP):

$$\sigma_{XY} = (\sigma_X^2 + \sigma_Y^2)^{1/2}$$

Mean Square Error	= 1.000 σ_{XY}	= 63.21% probability
Mean Square Error	= 1.520 σ_{XY}	= 90.00% probability
Mean Square Error	= 2.470 σ_{XY}	= 99.78% probability
(Rejection level)	= 2.140 σ_{XY}	= 99.00% probability

Circular Standard Error:

$$\sigma_C = 0.7071(\sigma_X^2 + \sigma_Y^2)^{1/2}$$

Circular Standard Error		= 1.000 σ_C	= 39.35%
probability			
Circular Map Accuracy Standard	= 2.146 σ_C	= 90.00% probability	
Circular Near Certainty Error	= 3.500 σ_C	= 99.78% probability	
(Rejection level)		= 3.035 σ_C	= 99.00%
probability			

4.1 Topographic Mapping

4.1.1 Photogrammetric Instrument Accuracy

The instrument to be used in stereo compilation shall be of sufficient accuracy to produce data conforming to the accuracies stated below.

An instrument manufacturer's written calibration report recent to within 1 year shall be available for inspection prior to compilation and shall be prepared annually.

The optical-mechanical train of all instruments shall be tested for accuracy immediately prior to project compilation and every three months during project compilation. These reports shall be submitted, as required by the Branch.

4.1.2 Absolute Orientation Accuracy

The stereo models will be physically oriented by the operator prior to data capture. The orientation will be absolute. This will allow the operator to read true values in the model and thus better interpret the model.

Earth curvature and atmospheric refraction correction will be applied where applicable.

Scaling:

At least six (6) ground/photogrammetric control points located at the Von Gruber points of the model shall be positioned such that all control points fit to within 1 metre for 1:5 000, and 0.5 metre for 1:2 500 scale of the adjusted coordinates. Control points not meeting this specification shall be "flagged" on model set-up records and brought to the attention of the Client.

Leveling:

At least six (6) ground/photogrammetric control points located at the Von Gruber points of the model shall be levelled such that all control points fit to within 1 metre for 1:5 000, and 0.5 metre for 1:2 500 scale. Control points not meeting this specification shall be "flagged" on model set-up records and brought to the attention of the Client.

4.1.3 Positional File Accuracy

a. Ninety percent of all well defined planimetric features shall be coordinated to within 2.5 for 1:5 000 and 1.25 metre for 1:2 500 scale of their true position. This corresponds to the following:

Bivariate:

For 1:5 000:

CMAS = $2.146\sigma_C$	≤ 2.50 metres (90.00%)
CSE = $1.000\sigma_C$	≤ 1.16 metres (39.35%)
MSEP = $1.000\sigma_{XY}$	≤ 1.65 metres (63.21%)
MSEP = $1.520\sigma_{XY}$	≤ 2.51 metres (90.00%)

For 1:2 500:

CMAS = $2.146\sigma_C$	≤ 1.25 metres (90.00%)
CSE = $1.000\sigma_C$	≤ 0.58 metres (39.35%)
MSEP = $1.000\sigma_{XY}$	≤ 0.82 metres (63.21%)
MSEP = $1.520\sigma_{XY}$	≤ 1.25 metres (90.00%)

Rejection (blunders):

For 1:5 000:

MSEP = $2.47\sigma_{XY}$	≤ 4.08 metres (99.78%)
CMAS = $3.5\sigma_C$	≤ 4.08 metres (99.78%)

For 1:2 500:

MSEP = $2.47\sigma_{XY}$	≤ 4.08 metres (99.78%)
CMAS = $3.5\sigma_C$	≤ 4.08 metres (99.78%)

b. Ninety percent of all discrete spot elevations and DEM points shall be accurate to within 1.25 metres (1:5 000) and 0.62 metre (1:2 500) of their true elevation. This corresponds to the following:

Univariate:

For 1:5 000:

LMAS = 1.640σ	≤ 1.25 metres (90%) probability
LSE = 1.000σ	≤ 0.75 metres (68.27%) probability

For 1:2 500:

LMAS = 1.640σ	≤ 0.62 metres (90%) probability
LSE = 1.000σ	≤ 0.37 metres (68.27%) probability

NOTE: Linear Standard Error

Mean Standard Error in Height LSE = MSEH

Part I

Digital Baseline Mapping at 1:5 000 / 1:2 500

Rejection (blunders):

For 1:5 000: Univariate = $3.0\sigma \leq 2.25$ metres (99.73%) probability

For 1:2 500: Univariate = $3.0\sigma \leq 1.12$ metres (99.73%) probability

c. Ninety percent of all points interpolated from the DEM (including contour data) shall be accurate to within 10 meters of their true elevation. This corresponds to the following:

Univariate:

For 1:5 000:

LMAS = $1.64\sigma \leq 2.50$ metres (90%) probability

LSE = $1.00\sigma \leq 1.52$ metres (68.27%) probability

For 1:2 500:

LMAS = $1.64\sigma \leq 1.25$ metres (90%) probability

LSE = $1.00\sigma \leq 0.72$ metres (68.27%) probability

Rejection (blunder):

For 1:5 000: Univariate = $3.0\sigma \leq 4.57$ metres (99.73%) probability

For 1:2 500: Univariate = $3.0\sigma \leq 2.27$ metres (99.73%) probability

d. True position/elevation is defined as the coordinates, which would be obtained from positioning with high order ground methods.

e. Accuracies relating to elevations refer to ground not sufficiently obscured by vegetation or other features to cause significant error.

4.2 Graphical Data Accuracy

Hard copy, computer generated graphical products shall be produced on equipment meeting or exceeding the following specifications:

Positional File	Map Representational File Plot
Verification Plot	(Cartographic Separations)
Accuracy + 1.5 mm	+ 0.15 mm

The plotter used to produce the final cartographic separations (refer to Part IV, Appendix "D") shall have sufficient resolution (i.e. step size) to ensure that all map features (including text) are fair drawn in accordance with good cartographic practice.

Accuracy of the plotter shall be measured by checking map grids. Grids shall be checked with reference to a standard grid which has been plotted to a + 0.1mm tolerance. A best fit of check grid and plotted grid shall be achieved and discrepancies at grid intersections evaluated.

4.3 Published Map Accuracy

a. Ninety percent of all well defined planimetric features measured from the published map shall be accurate to within 0.6 metres (1:5 000), 1.5 metres (1:2 500). This corresponds to the following:

Bivariate:

For 1:5 000:

CMAS = $2.140\sigma_C \leq 3.0$ metres (90.00%) probability

CSE = $1.000\sigma_C \leq 1.4$ metres (39.35%) probability

MSEP = $1.000\sigma_{XY} \leq 2.0$ metres (63.21%) probability

MSEP = $1.520\sigma_{XY} \leq 3.0$ metres (90.00%) probability

For 1:2 500:

$$\begin{aligned} \text{CMAS} &= 2.140\sigma_C && \leq 1.5 \text{ metres (90.00\% probability)} \\ \text{CSE} &= 1.000\sigma_C && \leq 0.7 \text{ metres (39.35\% probability)} \\ \text{MSEP} &= 1.000\sigma_{XY} && \leq 1.0 \text{ metres (63.21\% probability)} \\ \text{MSEP} &= 1.520\sigma_{XY} && \leq 1.5 \text{ metres (90.00\% probability)} \end{aligned}$$

Rejection (blunder):

For 1:5 000:

$$\begin{aligned} \text{MSEP} &= 2.47\sigma_{XY} && \leq 4.7 \text{ metres (99.78\% probability)} \\ \text{Circular} &= 3.5\sigma_C && \leq 4.8 \text{ metres (99.78\% probability)} \end{aligned}$$

For 1:2 500:

$$\begin{aligned} \text{MSEP} &= 2.47\sigma_{XY} && \leq 2.4 \text{ metres (99.78\% probability)} \\ \text{Circular} &= 3.5\sigma_C && \leq 2.45 \text{ metres (99.78\% probability)} \end{aligned}$$

b. The Mean Square Error in Height (MSEH) for contours displayed on the published map shall meet the following specifications:

Univariate:

For 1:5 000:

$$\begin{aligned} \text{LMAS} &= (2 + 1.0 \tan \alpha) \text{ metres} = 1.64\sigma_Z = 90\% \text{ probability} \\ (\alpha &= \text{terrain slope at any given point}) \\ \text{MSEH} &= \text{LMAS}/1.64 \end{aligned}$$

For 1:2 500:

$$\begin{aligned} \text{LMAS} &= (1 + 0.5 \tan \alpha) \text{ metres} = 1.64\sigma_Z = 90\% \text{ probability} \\ (\alpha &= \text{terrain slope at any given point}) \\ \text{MSEH} &= \text{LMAS}/1.64 \end{aligned}$$

Rejection (blunder):

$$\text{Univariate} = 3.00\sigma_Z = 99.73\% \text{ probability}$$

c. The Mean Square Error in Height for spot heights displayed on the published map shall meet or exceed the following specifications:

Spot Heights:

For 1:5 000:

$$\begin{aligned} \text{LMAS} &= (1 + 0.5 \tan \alpha) \text{ metres} = 1.64\sigma_Z = 90\% \text{ probability} \\ (\alpha &= \text{terrain slope at any given point}) \\ \text{MSEH} &= \text{LMAS}/1.64 \end{aligned}$$

For 1:2 500:

$$\begin{aligned} \text{LMAS} &= (0.5 + 0.2 \tan \alpha) \text{ metres} = 1.64\sigma_Z = 90\% \text{ probability} \\ (\alpha &= \text{terrain slope at any given point}) \\ \text{MSEH} &= \text{LMAS}/1.64 \end{aligned}$$

Rejection (blunder):

$$\text{Linear} = 3.00\sigma_Z = 99.73\% \text{ probability}$$

d. The above accuracies are relative to the true position of the features as defined

Digital Baseline Mapping at 1:5 000 / 1:2 500

by the coordinates which would be obtained from positioning with higher order ground methods.

- e. Relief stated in "b" and "c" above relate to ground not sufficiently obscured by vegetation or other features to cause significant error.

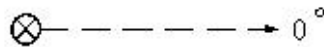
Section 5 Data Structure

Digital Baseline Mapping at 1:5 000 / 1:2 500

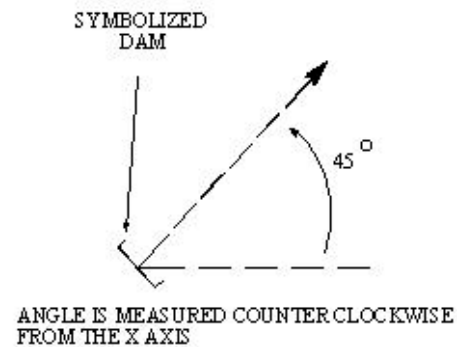
Section 5 - Capture Rules for Specific Data Type

5.1 Feature Types

5.1.1 Point Features (Type 01)



SIMPLE
Default Orientation



COMPLEX
Explicit Orientation



SIMPLE
Standard Scale
X and Y symbol scale



COMPLEX
Non-standard, Scaled Size
0.75, 0.75 for X and Y symbol scales

The coordinates of the point define its position at any scale (within project accuracies).

5.1.2 Line Features (Type 02 and Type 12)



Each point on the feature defines an exact beginning or end point, or a point of deflection and the line joining the points defines the true position of the feature being plotted (within project accuracies).

When features are collinear, the features having lesser hierarchical order will be coded as a construction line (Type 12). They can then be eliminated in the Representational file.

5.1.3 Curvilinear Features (Type 03 and Type 13)



Each point lies on the feature, however, the line joining the points may or may not define the true position of the features being plotted, depending on the scale used to depict the feature. The number of points on the feature will be such as to cartographically represent it at 1:5 000/1:2 500 with a minimum of three points.

This type of line may be Asmoothed@ by interpolating a curve through the data points.

When features are collinear, the features having lesser hierarchical order will be coded as a curvilinear construction line (Type 13). They can thus be eliminated in the Representational file.

All curvilinear line strings (Type 03) features when clipped on sheet edges must contain three or more unique points or be changed to line (Type 02) feature.

5.1.4 Text Features (Type 06)

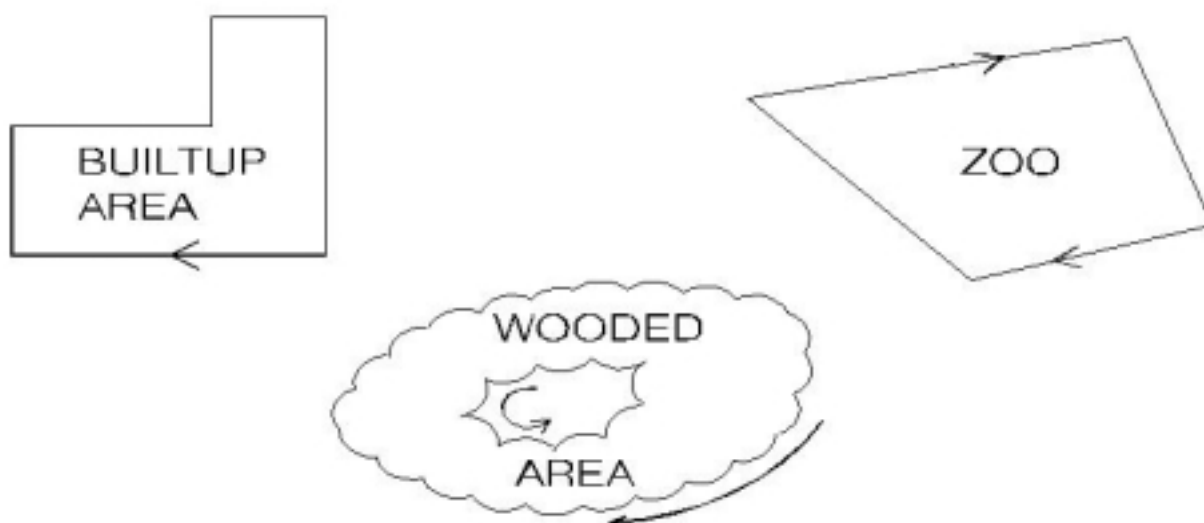


5.2 Digitizing Guidelines

5.2.1 Right Hand Rule

Feature boundaries will be digitized such that the feature being bounded is kept to the right hand side relative to the forward motion of the stereoplotter floating mark.

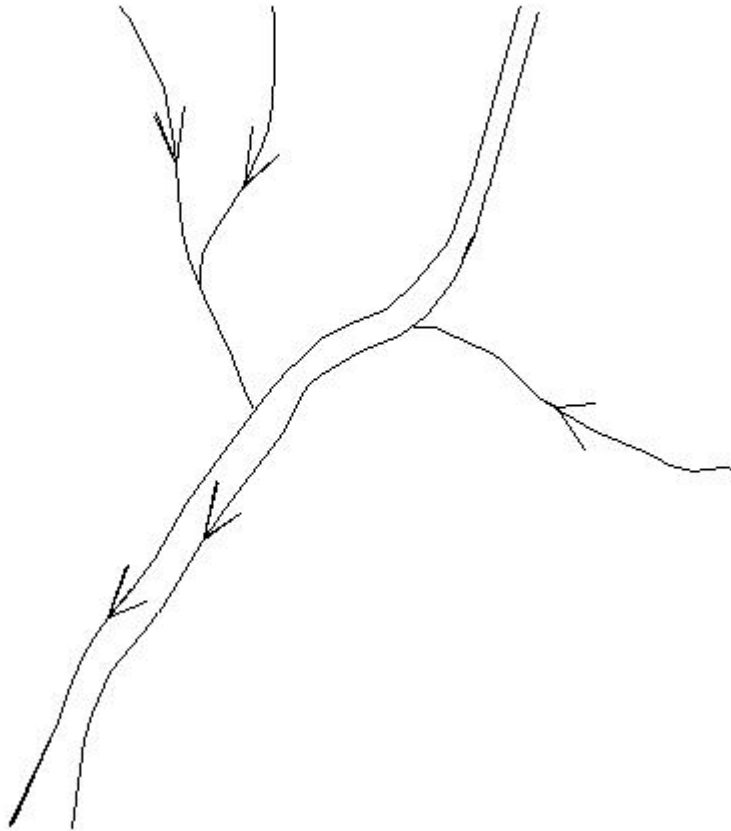
NOTE: Right Hand Rule is superseded by the Downstream Rule for double-sided Hydrographic features.



5.2.2 Downstream Rule

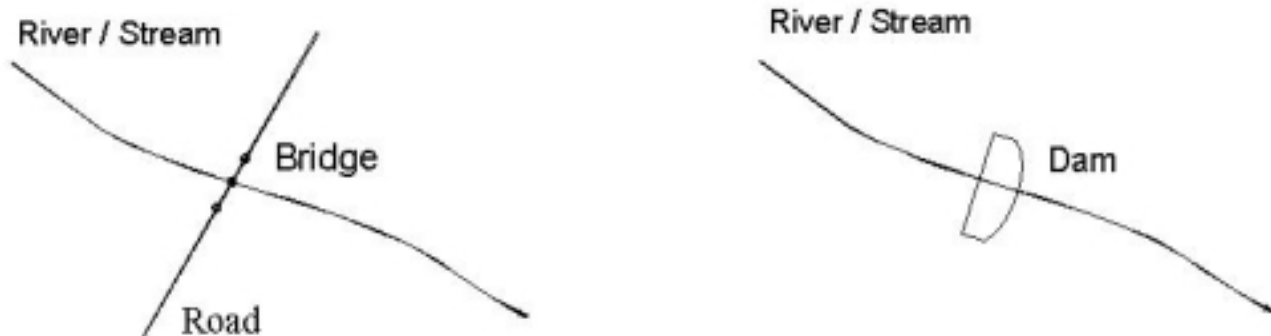
Hydrographic features having a gradient will be digitized in a downstream direction.

NOTE: Right Hand Rule is superseded by the Downstream Rule for double-sided hydrographic features.



5.2.3 Continuity Rule

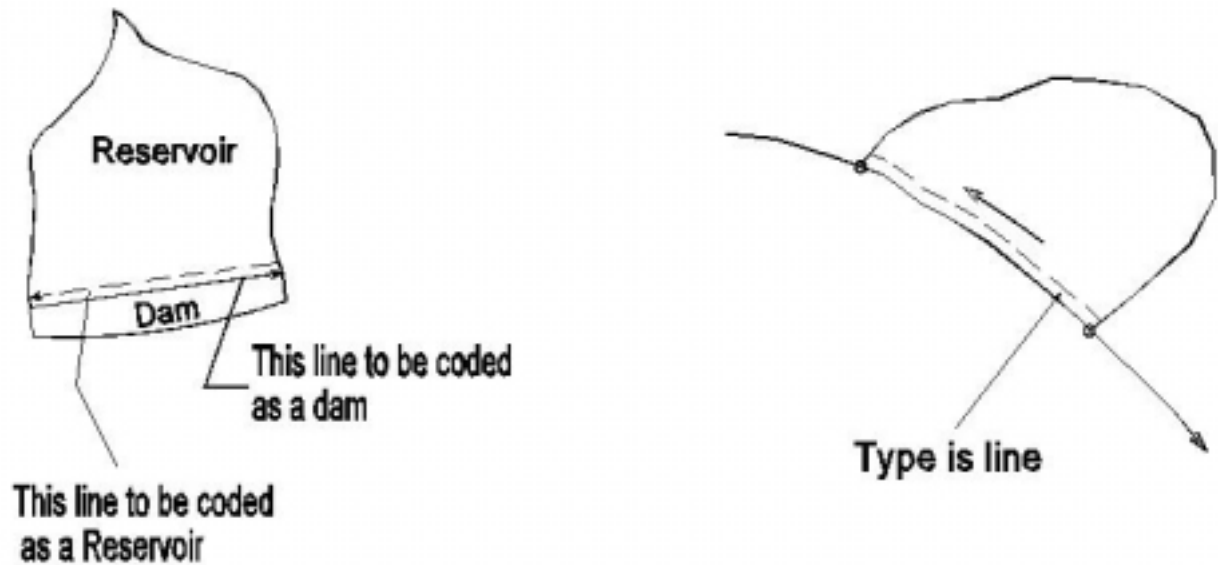
Hydrographic features will not be broken for other feature groups; i.e. rivers will be digitized continuously across roads, through dams, etc.



5.2.4 Polygon Rule

All areal features such as wooded areas, built-up areas, designated areas, reservoirs, etc. will be explicitly closed polygonal areas, with Right Hand or Downstream rules applied, except where an areal feature meets the map sheet boundary. Exact duplication of data will be done to close all polygonal features, and these duplicated line segments will be represented as either visible or non-visible as per Appendix B ARepresentational Hierarchy@.

e.g. Reservoirs will be completed along dams.



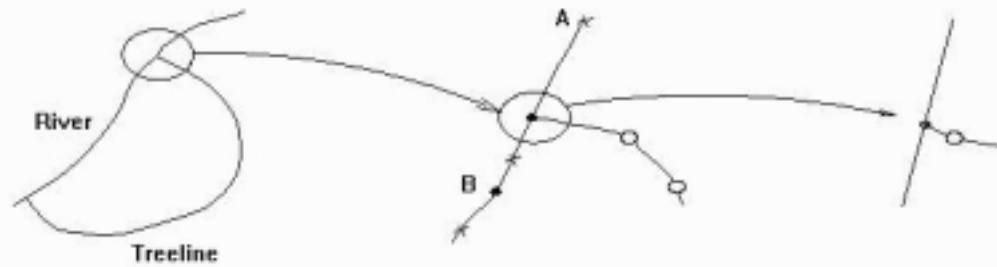
5.2.5 Connectivity and Network Rule

All lines of like and unlike feature groups, which intersect or close on themselves will do so at numerically and mathematically exact coordinated junction points or nodes. These nodes divide continuous features into discrete elements which begin and end at nodes.

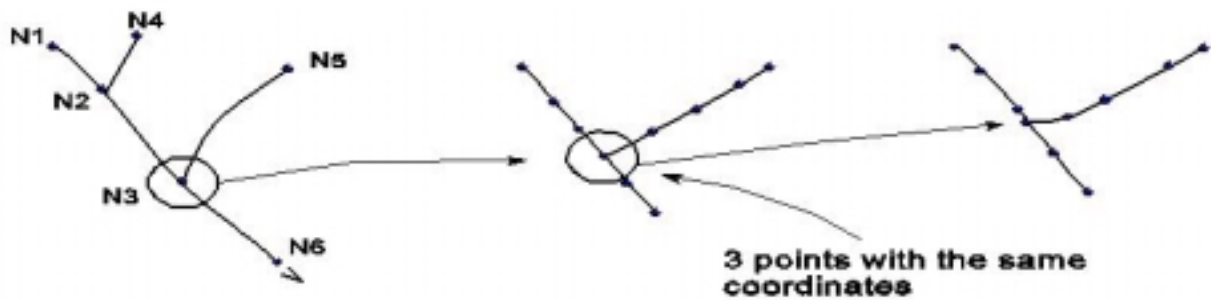
All features which intersect planimetrically (X,Y) but not vertically (Z), will do so at numerically exact X,Y coordinate positions, but will not connect numerically in Z.

Wooded areas, cutlines, and seismic lines are exempt from the normal 0.25 and 0.12 metre vertical accuracy requirement. These features must be snapped to other intersecting features at ground elevation (x,y,z) (1 metre vertical accuracy).

NOTE: An X, Y or Z jog is acceptable, provided the 0.5 metre planimetric, and 0.25 metre Z accuracy standards (tree line excepted) are met, and the jog is not noticeable at published map scale. (See below)



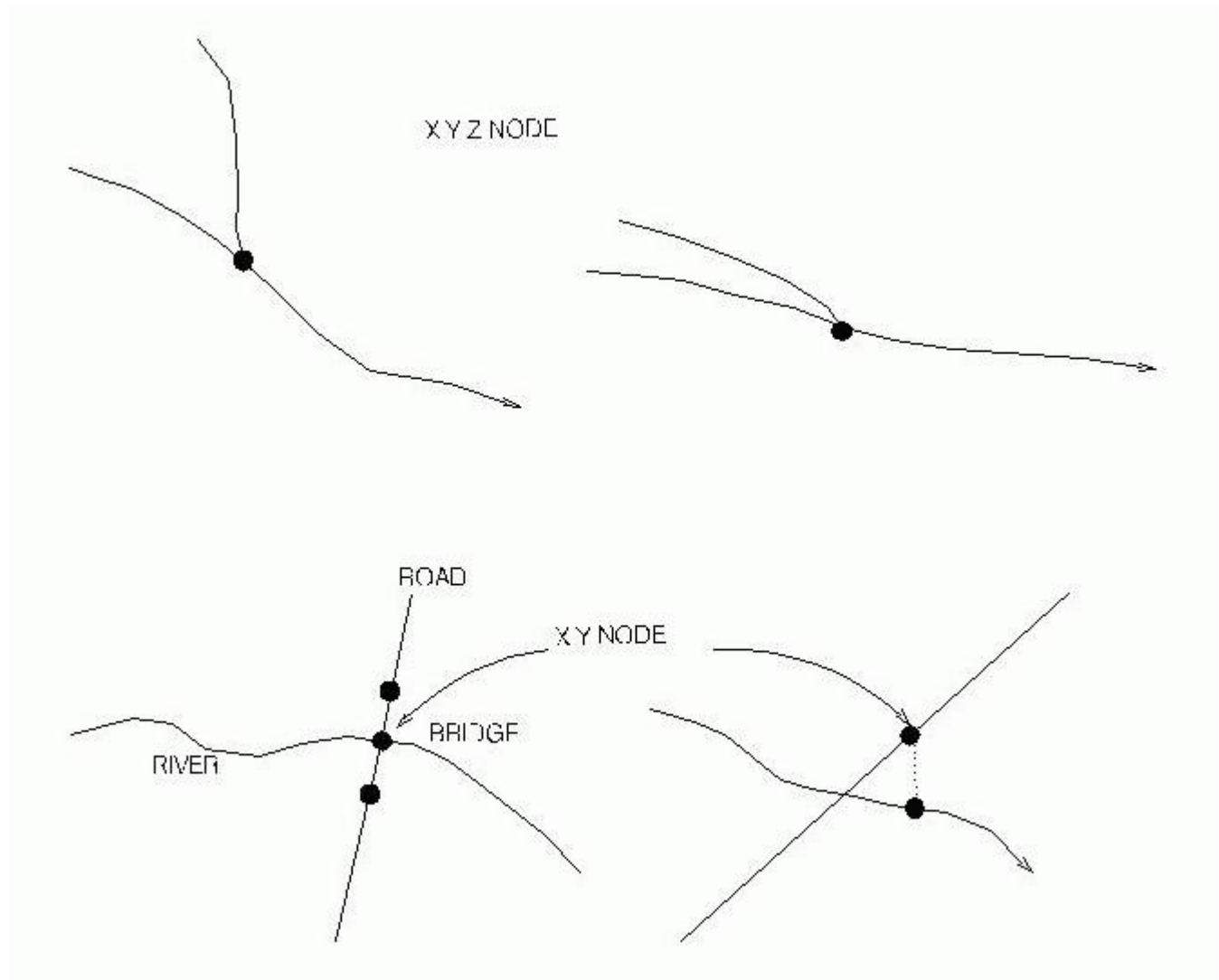
- x point on river
- o point on treeline
- Start point of treeline with coordinates lying on line connecting points A and B on river



The line connecting N1, N2, N3 and N6 is a continuous feature which has been broken into 3 discrete, separately identifiable elements between the nodes N1-N2, N2-N3, N3-N6. (This may be done interactively or in batch mode.)

5.2.6 Data Collection 3-D

- a) Features that intersect in 3 dimensions will have an x,y,z node. Features that intersect in x,y but do not intersect vertically will be captured with a x,y node.



- b) Linear planimetric positional data will be captured to create consistent data sets. The sampling will conform to the following resolution at map scale:

delta x of 0.35 millimetres,
delta y of 0.35 millimetres,
delta z of 0.25 millimetres

Linear planimetric positional data may be filtered to the following resolution:

delta x of 1.25 millimetres,
delta y of 1.25 millimetres,
delta z of 0.5 millimetres

Provided the resulting filtered line does not deviate from the sampled line by more than 0.05 metres.

Digital Baseline Mapping at 1:5 000 / 1:2 500

c) The following linear planimetric positional features may be exempt from the above spacing requirements when they can be represented by straight lines that comply with positional accuracy and cartographic representation requirements.

AccessLane	AerialCableway	Airfield
AirPort (Abandoned)	Airport	Airstrip(all types)
AirTrafficControlTower	AmbulanceBuilding	AmmunitionDump
AmmunitionMagazine	ApartmentBuilding	Aqueduct
AreaUnderDevelopment	AutoWrecker	Barn
BikePath	BirdSanctuary	Breakwater
Bridge	Building(all types)	Burner
Cable	CampGround/Campsite	Cemetery
CityHall	College	CommunicationsBuilding
CommunityCentre	ConservationArea	Contour(all types)
Conveyor	Courthouse	CourtYard
CustomsOffice	CutlineSeismicLine	Dam(all types)
DEMPoint.type"Check"	DesignatedArea	Ditch
Ditch.Indefinite	Dock	Dockyard
DriveinTheatre	DrivingRange	DryDock
Dump	ElectricalSubstationComplex	EquestrianPath
Excavation	ExhibitionGrounds	ExperimentalFarmStation
Factory	Falls	Fence
FerryDock	FerryRoute	FerryTerminal
FireStation	FishHatchery	Flume
FootBridge	FootPath	Foundation
Fountain	Funicular	GolfCourse(all types)
GovernmentBuilding	GrainElevator	Grandstand
GreenHouse	GunEmplacement	Helipad
Heliport	HeritageBuilding	HistoricMonument
Hospital		

IncineratorKiln	Library	Lighthouse
LoadingDock	Locks	LoggedArea
LumberMill	LumberYard	MarinaYachtClub
MilitaryEstablishment	MobileHomePark	Museum
Nursery	OilTank	Orchard
Park/PicnicArea	Penitentiary	Penstock
PhotoCentre	Pier	Pile(all types)
Pipeline(all types)	Plantation	Platform
Playground	PoliceStation	PostOffice
PumpingStation(all types)	Quarry	Quay
RaceTrack	Rack	RailLine(all types)
RailYard	Rapids	Range(all types)
Refinery	Reforestation	Rink
Road(all types)	Ruins	SanitaryLandfill
School	Scree	SeaWall
SeniorCitizensHome	ServiceStationArea	SettlingPond
SewerLines(all types)	SewageTreatmentArea	ShoppingCentre
SkiArea	SkiJump	SkiLift
Slab	Snowshed	SpoilArea
SportsField	SportTrack	StadiumArena
StockYard	StorageArea	StorageBin
SubstationTransformer	Tank	TollGate
TransmissionLine(all types)	Trail	TrailerPark
Trestle	Tunnel	University
Vineyard	Walkway	Wall
WeighScale	Wharf	WoodedArea
Yard	Zoo	

NOTE:

NOTE:

These exemptions refer to point spacing requirements only. They are not exemptions to the accuracy requirements.

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 6 Digital Elevation Models

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 6 - Digital Elevation Models

6.1 DEM Definitions

In order that communication of ideologies and concepts pertaining to Digital Elevation Models (DEM) is clearly understood, the following will serve as a list of definitions:

DEM - A DEM is a file of points captured specifically to represent the topographic surface shape in explicit Z values and X,Y values. It is composed of a series of spot elevations read using either a gridded or random method.

It also contains other supplementary vertical information. This supplementary data will take the form of data digitized for planimetric detail representation which is of a suitable accuracy for the DEM, break lines both sharp and rounded and spot elevations. The DEM is the basis for the mathematical representation of the surface.

Supplementary DEM Data - These are data, which have been digitized for planimetric representation of detail and are also used in the DEM. These data can take the form of streams, railways, roads and other features as detailed in Part II. These data will be filtered, to the specified density for inclusion in the DEM. All points in the DEM file will carry a DEM feature code.

Break lines extracted from the planimetric file will have a DEM feature code which will indicate the source of the breakline eg. Transportation, Hydrographic, Hypsographic. (See Part II).

Break line - A breakline is a natural or man made occurrence in the topography where there is a definite and obvious change in contour direction. There is a definite change in deflection along a breakline, and elevations are captured along its entirety. An example would be a stream or a vertical bluff.

I. Sharp Breakline: A sharp breakline causes a definite pointed character to the interpolated contour.

ii. Rounded Breakline: A rounded breakline causes a smoother but still well defined deflection to the contour.

Areas of Indefinite Contours - These are areas which are outlined in the DEM in such a manner that contours which are interpolated within its boundary will be depicted as indefinite. They may be explicitly digitized or defined by copying actual feature outlines.

Indefinite Contours - These contours are coded where the ground cannot be accurately interpreted, i.e. glaciers, icefields, shadows areas and stereo dead zones (DEM spacing may be increased to 50 metres if necessary).

Areas of Exclusion - These are areas, which are outlined in the DEM in such a manner that contours will not be interpolated within the enclosing polygon. Examples would be man made features such as dam faces or active pits. They may be explicitly digitized or defined by copying actual feature outlines.

6.2 DEM Specifications

The DEM data in the file will extend ten millimetres (map scale) beyond the sheet corners. This will provide for proper contour interpolation on the sheet boundary. Data will be common to the adjacent sheet.

In order that the DEM data be of a sufficiently dense nature to meet the vertical accuracy requirements, and generate interpolated contours with character representative of the terrain, the data capture specifications for DEM in gridded or random method will be followed. All point to point linear features captured as stream digitized that are included in DEM must meet specifications.

6.2.1 Gridded DEM Data Capture

When reading DEM data on a gridded pattern, the grid density specifications will be as follows:

- a) In areas where the average slope of the terrain is less than 25°, the grid spacing will be 20 metres (1:5 000), and 10 metres (1:2 500).
- b) In areas where the average slope of the terrain is more than 25°, the grid spacing will be 15 metres (1:5 000), and 7 metres (1:2 500).

6.2.2 Random DEM Data Capture

When reading DEM data in a random pattern, the density specifications will be as follows:

- a) In areas where the average slope of the terrain is less than 25°, the average spacing between points will be approximately 25 metres (1:5 000), and 10 metres (1:2 500).
- b) In areas where the average slope of the terrain is more than 25°, the average spacing between points will be approximately 20 metres (1:5 000), and 10 metres (1:2 500).

6.2.3 Supplementary DEM Data Resolution

Data that is being passed from planimetric capture to form parts of the DEM must not exceed the following resolution:

For 1:5 000:

- delta X of 6 metres and
- delta Y of 6 metres and
- delta Z of 2.5 metres

For 1:2 500:

- delta X of 3 metres and
- delta Y of 3 metres and
- delta Z of 1.2 metres

Densification (see Part I, Section 5.2.6b and c.)

6.2.4 Data to be Excluded from DEM

Type 12 and type 13 construction lines will not be included in DEM data.

There is an extensive list of supplementary data that is not to be used in the DEM. These features are identified in Part II, Geographic Object Specifications.

6.2.5 Breakline Interpretation

Breaklines will be captured in such a manner as to provide contour interpolation control in areas of poorly modelled topography. The minimum length of a breakline will be 15 millimetres at map scale. These breaklines may be pre-interpreted on the

photographs; however, it is to be noted that at the time of compilation the operator may include additional breaklines, which can be more easily interpreted in the stereo model. The operator may also capture breaklines of less than the minimum length where the feature is of landmark importance, such as in a land slide area.

Section 7 Transfer Format

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 7 - Transfer File Format

MOEP is now the format in use by the Branch. Users of this manual may wish to use different data formats based on their software and hardware. This will not affect data integration between GIS users as long as data is captured according to this specification. All positional data must be supplied in the following format:

7.1 Magnetic Tape Format

1. Half inch (1/2) wide industry standard magnetic tape;
2. 2400 foot reels;
3. 9 track recording;
4. 1600 bpi density;
5. No standard labelling;
6. MOEP format data must consist of ASCII characters only;
7. Each block will consist of 50 records, 80 characters in length, for a total of 4,000 characters of data. The last block may be shorter as required.
8. Each tape will be clearly labelled as to density, content, source, and numbers of records in each file.

SHEET:	000P.000	SUBMISSION: 1
FORMAT:	MOEP	FILE TYPE: Positional
File 1 -	DEM	
File 2 -	Contours	
File 3 -	Non-Positional Data	
File 4 -	Planimetric	
CONTRACTOR:		DATE: 88-00-00

Band label should read:

SHEET:	000P.000	SUBMISSION:
FORMAT:	MOEP	TYPE: Positional
CONTRACTOR:		DATE: 88-00-00

Digital Baseline Mapping at 1:5 000 / 1:2 500

9. Each representational file tape must be labelled as follows:

SHEET:	82F.040	SUBMISSION: 1
TYPE:	Representational	
DATE:	88-04-29	
FORMAT:	IGDS - VAX Copy	
FILE 1:	Planimetry - 82F040P.REP	
FILE 2:	Contours - 82F040T.REP	
CONTRACTOR:		

Band label should read:

SHEET:	82F.040	TYPE: Rep
DATE:	88-04-29	FORMAT: IGDS
CONTR:		SUB: 1

7.2 MOEP ASCII Format

7.2.1 ASCII Record Format

Byte Data

1-2 .	Feature type
4-13 .	Feature code
15-24	X coordinate (easting in millimetres)
26-35	Y coordinate (northing in millimetres)
37-44	Z coordinate (elevation in millimetres)
46	ARC sweep direction (0 - counterclockwise, 1 - clockwise)
46-55	X - depending on feature type
57-66	Y - depending on feature type
68-75	Z - depending on feature type
46-55	Point or text rotation angle (for types 01 and 06). Angle in decimal degrees to four decimal places in addition to a decimal point (90.0000). A horizontal UTM grid line in a west to east direction is 0 degrees and all rotation angles of points and text are measured counterclockwise from 0 degrees.
57-67	Text size in millimetres
68-72	Point horizontal scale factor prior to rotation show to two decimal places in addition to a decimal point (2.50).
74-78	Point vertical scale factor prior to rotation show to two decimal places in addition to a decimal point (2.50).
15-80.	Annotation characters
4-13.	Total data record count

7.2.2 MOEP Feature Types

00	Continuation of previous feature code
01	Point
02	Line
03	Curvilinear line string
04	ARC
05	Attribute
06	Text
07	Map header
12	Construction line
13	Construction curvilinear line string
99	Total data record count

7.2.3 MOEP Feature Type Definition

- 01 record contains: POINT
 - > feature type (01)
 - > feature code
 - > x,y,z location
 - > symbol rotation (optional)
 - > horizontal scale factor (optional)
 - > vertical scale factor (optional)

Example:

01 FC90000000 328654000 6510351000 1421000 0.0000 1.00 1.00

The x,y,z location of a point feature marks the centre of the symbol used to represent that feature.

Symbol scales and rotation may be used to indicate non-standard size symbols.

- 02 record contains: SIMPLE LINE
 - > feature type (02)
 - > feature code
 - > 2 x,y,z triplets

Example:

02 FC90000000 328654000 6510351000 1421000 328654000 6510354000 1421000
00 FC90000000 328655000 6510353000 1422000 328654000 6510364000 1422000
00 FC90000000 328655000 6510357000 1422000

Line features should be followed by as many 00 continuation records as are required to describe the feature.

Line features must contain at least two x,y,z triplets. Note that the last 00 continuation record may contain only one x,y,z triplet.

Digital Baseline Mapping at 1:5 000 / 1:2 500

- 03 record contains: COMPLEX LINE
- > feature type (03)
 - > feature code
 - > 2 x,y,z triplets

Example:

```
03 FC90000000 328654000 6510351000 1421000 328654000 6510354000 1421000
00 FC90000000 328655000 6510353000 1422000 328654000 6510364000 1422000
00 FC90000000 328655000 6510357000 1422000
```

Curvilinear features should be followed by as many 00 continuation records as are required to describe the feature. Curvilinear features must contain at least three x,y,z triplets. Note that the last 00 continuation record may contain only one x,y,z triplet.

- 04 record contains: ARC

Line 1

- > feature type (04)
- > feature code
- > x, y, z ARC start location
- > x, y, z ARC end location

Line 2

- > feature type (00)
- > feature code
- > x, y, z, ARC origin
- > ARC sweep direction (0 - counterclockwise, 1 - clockwise)

Example:

```
04 FC90000000 328654000 6510351000 1421000 328654000 6510354000 1421000
00 FC90000000 328655000 6510353000 1422000 0
```

- 05 record contains: ATTRIBUTE
- > feature type (05)
 - > feature code
 - > attribute - maximum 66 characters

Example:

```
05 FC90000000 Attribute
```

Attribute features appear as the first record preceding every planimetric feature. They may contain such information as watershed codes and tower heights or be blank. Attribute data will begin at byte position 15 and be left justified. DEM points, contours and text do not require an 05 (attribute) record.

- 06 record contains: TEXT
- > feature type (06)
 - > feature code
 - > x,y,z location
 - > text rotation angle
 - > size of annotation in millimetres at ground scale

The x,y,z triplet denotes the bottom left corner of the first character of the text string. The 06 record is followed by one or more 00 records containing the annotation characters. Toponymic text elements require a preceding type 05 attribute record. This record contains the font, weight, and unique group number (for text strings that require more than one origin).

The type 05 element is organized as follows:

Byte Data

1-2	feature type
4-13	feature code
15-17	font number
19-20	weight value
22-26	unique text group identifier

Example:

```
05 FC90000000 31 2 2100
06 FC90000000 328654000 6510351000 1421000 0.0000 100000
00 FC90000000 Text Sting
```

- 07 record contains: MAP HEADER
- > feature type (07)
 - > file type - byte position 4 contains a 1 character code specifying file type. 1. DEM, 2. RAW contours, 3. Non- Positional, 4. Planimetric Positional
 - > map name - byte positions 15-44 contain a 1:1000 BCGS map sheet number (i.e. 82F.035.45.1) left justified
 - > submission date year month day (numeric) (921005) byte positions 45-50.

Example:

```
07 4 94K.071.45.1 900812
```

- 12 record contains: CONSTRUCTION SIMPLE LINE
- > feature type (12)
 - > feature code
 - > 2 x,y,z triplets

Example:

```
12 FC90000000 328654000 6510351000 1421000 328654000 6510354000 1421000
00 FC90000000 328655000 6510353000 1422000 328654000 6510364000 1422000
00 FC90000000 328655000 6510357000 1422000
```

Identifies lines that are duplicates. Lines must contain two or more x,y,z triplets.

Note this data is not to be included in the DEM Data Set.

Digital Baseline Mapping at 1:5 000 / 1:2 500

13 record contains: CONSTRUCTION COMPLEX LINE
> feature type (13)
> feature code
> 2 x,y,z triplets

Example:

```
13 FC90000000 328654000 6510351000 1421000 328654000 6510354000 1421000
00 FC90000000 328655000 6510353000 1422000 328654000 6510364000 1422000
00 FC90000000 328655000 6510357000 1422000
```

Identifies splines that are duplicates. Splines must contain three or more x,y,z triplets.

Note this data is not to be included in the DEM Data Set.

99 record contains:
> feature type (99)
> total data record count

Example:

99 67890

This value is the total data record count excluding itself.

7.2.4 Sample MOEP ASCII Format File

```

07 4          94K.071  880127
05 BA90000000
01 BA90000000  328654000  6510351000  1421000      0.0000      1.00      1.00
05 GE09400000
02 GE09400000  328654000  6510353000  1421000  328654000  6510354000  1421000
00 GE09400000  328654000  6510355000  1422000  328654000  6510356000  1422000
00 GE09400000  328655000  6510357000  1422000  328655000  6510358000  1422000
05 GA24850000  90-500-030
03 GA24850000  328655000  6510359000  1423000  328655000  6510360000  1423000

00 GA24850000  328655000  6510361000  1423000  328655000  6510362000  1423000
00 GA24850000  328655000  6510363000  1423000  328655000  6510364000  1423000
00 GA24850000  328655000  6510365000  1422000  328656000  6510366000  1422000
00 GA24850000  328656000  6510367000  1422000  328656000  6510368000  1422000
00 GA24850000  328656000  6510369000  1422000  328656000  6510370000  1422000
05 GE09400000
12 GE09400000  328656000  6510373000  1423000  328656000  6510372000  1423000
00 GE09400000  328656000  6510375000  1424000  328656000  6510374000  1423000
00 GE09400000  328657000  6510377000  1424000  328657000  6510376000  1424000
05 GA24850000  90-500-030
03 GA24850000  328657000  6510379000  1425000  328657000  6510378000  1425000
00 GA24850000  328657000  6510381000  1425000  328657000  6510380000  1425000
00 GA24850000  328657000  6510383000  1425000  328657000  6510382000  1425000
00 GA24850000  328657000  6510385000  1424000  328658000  6510384000  1425000
00 GA24850000  328658000  6510387000  1424000  328658000  6510386000  1424000
00 GA24850000  328658000  6510389000  1424000  328658000  6510388000  1424000
99      25

```

7.3 MOEP Binary Format

7.3.1 ASCII to Binary Comparison

a) Type 07 Header

In the MOEP ASCII format the first record of every file is a type 07 record containing the file type, map sheet number, and submission date plus enough blanks to pad out to 80 characters.

This is replaced in the compressed format by the first 26 bytes of the file. These bytes contain the file type, map sheet number, the submission date, and the x and y offsets.

b) Feature Coordinates

In the MOEP ASCII format every feature is described by one or more sets of x,y,z coordinates. The x and y coordinates are UTM values that can be precise to the nearest millimetre. Similarly the z value is a height above sea level with possible millimetre precision. Submissions under the 1:250 000 and 1:20 000 mapping programs supply all coordinates to the nearest metre which conforms to published accuracy requirements. This results in all feature coordinates having three trailing zeroes that are a constant for all 1:20 000 and 1:250 000 scale topographic submissions and so are eliminated from the compressed version.

Feature x and y grid values are stored in the MOEP ASCII format as UTM coordinates. To reduce the grid value size, all coordinates are redefined to a new grid with the 0,0 point at the centre of the map sheet. Map sheet centre coordinates can be calculated for 1:500 000, 1:250 000, 1:100 000, 1:50 000, 1:20 000, 1:10 000, 1:5 000, 1:2 500, 1:1 000 and 1:500 map sheets. For scales at 1:50 000 and larger, the new coordinates are stored as two byte integers. For scales smaller than 1:50 000, four byte integers are used to represent the x and y coordinates. Elevations are stored as two byte integers in all cases.

i.e. For the map sheet 82F.050, the UTM coordinates at the centre of the map sheet are E 565233 N 5477871. If the first feature is located at UTM coordinates 570273000 5474622000 z-1645000 the redefined coordinates for this feature would be -5040 3249 1645.

c) Feature Code

Feature codes are currently stored as the second field of every feature. The compressed format would store a feature code only once for a feature and only if the feature code was different than that of the previous feature.

i.e. If ten river features occur in sequence then the feature code GA 24850 000 is stored only for the first feature.

d) Type 05 Attribute

Currently most features carry a type 05 attribute record. This record is most often blank but even when it contains data it is padded out to the full 80 characters. In the compressed format, the attribute data is truncated and the number of attribute characters is saved followed by the characters themselves. If no type 05 is present for the feature then the number of characters is set to -1.

i.e. If a type 05 contains a tower height 55 plus 54 blanks, the compressed format would contain the number of characters (2) and the tower height.

e) Scale and Rotation Factors

The ASCII format contains scale and rotation values for all point and text features. In the compressed format these values are stored as integers only if they are not 1.0 for the scaling factors and 0.0 for the rotation factor.

i.e. If a point symbol feature contains the vertical and horizontal scale factors 1.50 2.00 and a rotation value of 45.0000, the compressed feature stores them as 150 200 and 450000.

f) Continuation Records

In line features the 00 continuation type is not maintained in the compressed format. A byte count takes their place as the first one or two bytes preceding the coordinate list. (see i)iv) below)

g) Text Records

In the compressed format the text record is truncated and preceded by a character count. This eliminated the storage of padded blanks. Note that in the compressed format a maximum of 66 characters of annotation are stored.

h) Field Separators

In the ASCII format blanks are required to separate all fields for legibility. In the binary format these blanks are not required and so are eliminated.

i) Feature Type

The compressed format carries a much more descriptive feature type. This feature type describes the following:

- a) What type of feature is it? (point, line, or text)
- b) Is a feature code present or is this feature the same code as the preceding one?
- c) If this is a linear feature is it planimetric data or contour data?
- d) If this is a linear feature how many coordinates are present?
- e) If this is a point or text feature is a rotation stored, are scaling factors stored, are both scale and rotation stored, or are neither present?

j) Type 99

The MOEP ASCII file contains as the last record a total data record count. This is eliminated in the compressed format. The final byte in the compressed format is a -1 to signal the end of file.

7.3.2 MOEP Binary Format Description

VAX Environment - Fixed length unformatted 512 byte records Each compressed record contains several MOEP compressed features. Note that features will cross record boundaries.

The first 26 bytes of the file contain header information as follows:

byte 1 - file type (1-DEM, 2-contour, 4-plan, 5-Cadastre).

this byte value is increased by 100 if the map scale is smaller than 1:50 000 to indicate that an I*4 coordinate system has been used.

- bytes 2-12 - BCGS/NTS map number (ASCII).

- bytes 13-18 - submission date (ASCII year month day - e.g 921005).

- Bytes 19-22 - I*4 Easting offset (UTM centre of map sheet).

- bytes 23-26 - I*4 Northing offset (UTM centre of map sheet).

The first byte of a feature is the feature key.

Range 1-146

100's range 0-1

- 0 - feature code is the same as the last feature code and so is not stored. <%0>

- 1 - feature code is different than the last feature code and so is<R>stored in the next ten bytes.

10's range 0-4

- 0 - no coordinate byte count, rotation, or scale stored

- 1 - a one byte coordinate count is stored if line, a rotation only is stored if point or text

- 2 - a two byte coordinate count is stored if line, scale only is stored if point

- 3 - a one byte coordinate count is stored (contour data) scale and rotation is stored if point

- 4 - a two byte coordinate count is stored (contour data)

1's range 1-7

1 - feature type 01 (point)

2 - feature type 02 (line)

3 - feature type 03 (line)

4 - feature type 12 (line)

5 - feature type 13 (line)

6 - feature type 06 (text)

7 - feature type 04 (arc)

The feature code if present fills the next 10 bytes.

The next byte either following the feature key or following the feature code if present is the type 05 key.

range -1 - 66

- 1 - no feature type 05 present

- 0-66 - number of feature type 05 bytes to follow

The next one or two bytes either following the type 05 key or following the type 05 bytes if present is the number of feature coordinates to follow. If the feature is a type 01 (point), type 06 (text), or type 04 (arc) then this byte is not present.

The next bytes are the feature coordinates. If the feature is a point or text then a single x,y,z triplet is represented by 6 bytes ($x-I*2$, $y-I*2$, $z-I*2$) for scales larger than 1:50 000 or 10 bytes ($x-I*4$, $y-I*4$, $z-I*2$) for scales smaller than 1:50 000. If the feature is an arc then three x,y,z triplets are used to represent the start, end, and origin of the arc. These triplets take up 18 bytes for scales of 1:50 000 or larger or 30 bytes for scales smaller than 1:50 000. If the feature is a line type then the number of bytes is one of the following.

for scales 1:50 000 and larger ($x-I*2$, $y-I*2$, $z-I*2$)

- non-contour data - number of coordinates times 6

- contour data - 2 bytes z value plus number of coordinates times 4

for scales smaller than 1:50 000 ($x-I*4$, $y-I*4$, $z-I*2$)

- non-contour data - number of coordinates times 10

- contour data - 2 bytes z value plus number of coordinates times 8

Line feature - complete

Arc feature - next byte contains the sweep direction indicator -

- 0 - counterclockwise

- 1 - clockwise

Point feature - next 4 bytes contain rotation angle if not 0.0 - $I*4$

- next 4 bytes contain horizontal and vertical scale factors if not 1.0 - $2 I*2$

Text feature - next 4 bytes contain rotation angle if not 0.0 - $I*4$

- next 2 bytes contain text size in metres $I*2$

- next byte contains number of text characters - maximum 66

- next bytes contain text data

The last byte of the file is a -1 to signal the end of file.

7.3.3 MOEP Binary Examples

NOTE - The following examples use 570000 and 5470000 as offsets

1 - Point feature with type 05, scale factors and rotation present, and feature code different than the previous feature

MOEP ASCII format

```
05 HA90100000 ATTRIBUTE
01 HA90100000 570273000 5474622000 1645000 5.6100 5.00 1.75
```

Compressed format (fields separated for clarity)

```
131 HA90100000 9 ATTRIBUTE 273 4622 1645 56100 500 175
```

2 - Point feature with a blank type 05, default scale factors and rotation, and a feature code the same as the previous feature

MOEP ASCII format

```
05 HA90100000
01 HA90100000 570273000 5474622000 1645000 0.0000 1.00 1.00
```

Compressed format (fields separated for clarity)

```
1 0 273 4622 1645
```

3 - Text feature with type 05 attribute, rotation present, and a feature code different than the last feature.

MOEP ASCII format

```
05 KC90000000 Text Feature
06 KC90000000 570273000 5474622000 1645000 5.6100 500000
00 KC90000000 Annotation
```

Compressed format (fields separated for clarity)

```
116 KC90000000 12 Text Feature 273 4622 1645 56100 500 10 Annotation
```

4 - Text feature with blank type 05, no rotation present, and a feature code the same as the last feature.

MOEP ASCII format

```
05 KC90000000
06 KC90000000 570273000 5474622000 1645000 0.0000 500000
00 KC90000000 Annotation
```

Compressed format (fields separated for clarity)

```
6 0 273 4622 1645 500 10 Annotation
```

5 - Linear planimetric feature with 9 points, a type 05 attribute, and a feature code different than the last feature.

MOEP ASCII format

05 GA94850000 ATTRIBUTE

02 GA94850000 570273000 5474622000 1645000 570373000 5473622000 1545000
00 GA94850000 570473000 5472622000 1625000 570573000 5471622000 1525000
00 GA94850000 570673000 5470622000 1605000 570773000 5469622000 1505000
00 GA94850000 570873000 5468622000 1585000 570973000 5467622000 1485000
00 GA94850000 571073000 5466622000 1565000

Compressed format (fields separated for clarity)

112 GA94850000 9 ATTRIBUTE 9 273 4622 1645 373 3622 1545 473 2622 1625 573 1622 1525 673 622 1605 773 -378 1505
873 -1378 1585 973 -2378 1485 1073 -3378 1565

6 - Linear planimetric feature with 9 points, no type 05 attribute, and a feature code not different than the last feature.

MOEP ASCII format

12 GA94850000 570273000 5474622000 1645000 570373000 5473622000 1545000
00 GA94850000 570473000 5472622000 1625000 570573000 5471622000 1525000
00 GA94850000 570673000 5470622000 1605000 570773000 5469622000 1505000
00 GA94850000 570873000 5468622000 1585000 570973000 5467622000 1485000
00 GA94850000 571073000 5466622000 1565000

Compressed format (fields separated for clarity)

14 -1 9 273 4622 1645 373 3622 1545 473 2622 1625 573 1622 1525 673 622 1605 773 -378 1505 873 -1378 1585 973 -2378 1485
1073 -3378 1565

7 - Linear contour feature with 9 points, a type 05 attribute, and a feature code different than the last feature.

MOEP ASCII format

5 HA90001000 ATTRIBUTE

3 HA90001000 570273000 5474622000 1600000 570373000 5473622000 1600000
00 HA90001000 570473000 5472622000 1600000 570573000 5471622000 1600000
00 HA90001000 570673000 5470622000 1600000 570773000 5469622000 1600000
00 HA90001000 570873000 5468622000 1600000 570973000 5467622000 1600000
00 HA90001000 571073000 5466622000 1600000

Compressed format (fields separated for clarity)

133 HA90001000 9 ATTRIBUTE 9 1600 273 4622 373 3622 473 2622 573 1622 673 622 773 -378 873 -1378 973 -2378 1073 -
3378

8 - Linear contour feature with 9 points, no type 05 attribute, and a feature code not different than the last feature.

MOEP ASCII format

13 HA90001000 570273000 5474622000 1600000 570373000 5473622000 1600000
00 HA90001000 570473000 5472622000 1600000 570573000 5471622000 1600000
00 HA90001000 570673000 5470622000 1600000 570773000 5469622000 1600000
00 HA90001000 570873000 5468622000 1600000 570973000 5467622000 1600000
00 HA90001000 571073000 5466622000 1600000

Digital Baseline Mapping at 1:5 000 / 1:2 500

Compressed format (fields separated for clarity)

35 -1 9 1600 273 4622 373 3622 473 2622 573 1622 673 622 773 -378 873 -1378 973 -2378 1073 -3378

9 - Sample MOEP ASCII file - 2720 bytes

```
07 1 TESTFILE 920423
05 HA90100000 ATTRIBUTE
01 HA90100000 570273000 5474622000 1645000 5.6100 5.00 1.75
05 HA90100000
01 HA90100000 570273000 5474622000 1645000 0.0000 1.00 1.00
05 KC90000000 Text Feature
06 KC90000000 570273000 5474622000 1645000 5.6100 500000
00 KC90000000 Annotation
05 KC90000000
06 KC90000000 570273000 5474622000 1645000 0.0000 500000
00 KC90000000 Annotation
05 GA94850000 ATTRIBUTE
02 GA94850000 570273000 5474622000 1645000 570373000 5473622000 1545000
00 GA94850000 570473000 5472622000 1625000 570573000 5471622000 1525000
00 GA94850000 570673000 5470622000 1605000 570773000 5469622000 1505000
00 GA94850000 570873000 5468622000 1585000 570973000 5467622000 1485000
00 GA94850000 571073000 5466622000 1565000
12 GA94850000 570273000 5474622000 1645000 570373000 5473622000 1545000
00 GA94850000 570473000 5472622000 1625000 570573000 5471622000 1525000
00 GA94850000 570673000 5470622000 1605000 570773000 5469622000 1505000
00 GA94850000 570873000 5468622000 1585000 570973000 5467622000 1485000
00 GA94850000 571073000 5466622000 1565000
05 HA90001000 ATTRIBUTE
03 HA90001000 570273000 5474622000 1600000 570373000 5473622000 1600000
00 HA90001000 570473000 5472622000 1600000 570573000 5471622000 1600000
00 HA90001000 570673000 5470622000 1600000 570773000 5469622000 1600000
00 HA90001000 570873000 5468622000 1600000 570973000 5467622000 1600000
00 HA90001000 571073000 5466622000 1600000
13 HA90001000 570273000 5474622000 1600000 570373000 5473622000 1600000
00 HA90001000 570473000 5472622000 1600000 570573000 5471622000 1600000
00 HA90001000 570673000 5470622000 1600000 570773000 5469622000 1600000
00 HA90001000 570873000 5468622000 1600000 570973000 5467622000 1600000
00 HA90001000 571073000 5466622000 1600000
99 33
```

Sample Compressed MOEP file (fields separated for clarity) - 367 bytes

```
1 TESTFILE 920423 570000 5470000 131 HA90100000 9 ATTRIBUTE 273 4622 1645 56100 500 175 1 0 273 4622 1645 116
KC90000000 12 Text Feature 273 4622 1645 56100 500 10 Annotation 6 0 273 4622 1645 500 10 Annotation 112 GA94850000 9
ATTRIBUTE 9 273 4622 1645 373 3622 1545 473 2622 1625 573 1622 1525 673 622 1605 773 -378 1505 873 -1378 1585 973 -
2378 1485 1073 -3378 1565 14 -1 9 273 4622 1645 373 3622 1545 473 2622 1625 573 1622 1525 673 622 1605 773 -378 1505 873
-1378 1585 973 -2378 1485 1073 -3378 1565 133 HA90001000 9 ATTRIBUTE 9 1600 273 4622 373 3622 473 2622 573 1622 673
622 773 -378 873 -1378 973 -2378 1073 -3378 35 -1 9 1600 273 4622 373 3622 473 2622 573 1622 673 622 773 -378 873 -1378
973 -2378 1073 -3378 -1
```


Part II Detailed Geographic Object Specifications

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 1 Feature Name / Feature Code Correlation

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 1 - Feature Name / Feature Code Correlation

Canadian Council on Surveying and Mapping (CCSM) in 1978 was given the mandate to create mechanisms for the formulation of standards for digital mapping. This includes storage and retrieval of digital map data involving federal, provincial and municipal government, the universities and the private sector. Committee I was assigned the task of developing standards for the classification and coding of topographic features. These codes (CCSM) used in this manual is a major step towards digital data integration and exchange between different GIS users.

1.1 Feature Class / Feature Code Listing by Class

Although numerous combinations of feature class and attribute are possible, only a subset of those combinations are relevant to the scale and discipline of the data specified in this document. This section provides the user with a feature name and code listing of the relevant combinations by class.

Feature Classification

Section 1.1

Feature Code

Aerial Triangulation Feature Class

CadastralPoint.status"PermanentlyMarked" (symbol)
ControlPoint.type"Vertical".status"PermanentlyMarked" (symbol)
ControlPoint.type"Horizontal".status"PermanentlyMarked" (symbol)
Photo Centre

FD90500000
FB18650000
FB18450000
FD21100000

Feature Classification	Section 1.1	Feature Code
Hydrographic Feature Class		
Beach		GE01800000
Breakwater		GE03050110
CatchBasin		EA04300000
Coastline <i>Geometric Rep Qualifier: Definite</i>		GG05800000
Coastline <i>Geometric Rep Qualifier: Indefinite</i>		GG95800130
Dyke		GE09400000
Falls (symbol)		GA90002110
Falls (to scale)		GA10450000
FlowArrow		GE90200000
ForeshoreFlats		GE30850000

Feature Classification	Section 1.1	Feature Code
Hydro Structure		
BeaverDam		GA08450110
Dam (symbol)		GA98450000
Dam.section"Base"		GA98450100
Dam.section"Spillway"		GA28550000
Dam.section"Top"		GA08450000
Locks		CQ16500000
Penstock		GA21050000
Island <i>Geometric Rep Qualifier: Position Approximate</i>		GE94850100
Island (to scale)		GE14850000
Island (symbol)		GE94850000
Island.type"River"		GE14850130
Rapids (to scale)		GA23500000
Rapids (symbol)		GA23500110
Sand/GravelBar (area outline)		GE25850000
Sand/GravelBar (area symbol)		GE90100000
Seawall		GE26250000
SubmergedReef		GE23600000
Water Body		
FloodedLand.type"Inundated" (area outline)		GB11350110
FloodedLand.type"Inundated" (area symbol)		GB90000000
Glacier		GD12300000
IceField		GD14450000
Lake <i>Geometric Rep Qualifier: Definite</i>		GB15300000
Lake <i>Geometric Rep Qualifier: Indefinite</i>		GB15300130
Lake.type"DateofPhotography"		GB15300180
Lake.type"Intermittent"		GB15300140
Marsh (area outline)		GC17100000
Marsh (area symbol)		GC90100000
MarshInWater (area outline)		GC17100110
MarshInWater (area symbol)		GC90300000
Quarry.type"waterFilled"		GB22100000
Reservoir <i>Geometric Rep Qualifier: Definite</i>		GB24300000
Reservoir <i>Geometric Rep Qualifier: Indefinite</i>		GB90100000
Reservoir.status"Underground"		GB24300110
Reservoir.type"Intermittent"		GB90100110
Reservoir.type"MunicipalWaterStorage".status"AboveGround"		GB94300220
Reservoir.type"MunicipalWaterStorage".status"Elevated"		GB94300230
Reservoir.type"MunicipalWaterStorage".status"GroundLevel"		GB94300210
Reservoir.type"MunicipalWaterStorage".status"Underground"		GB94300200
Reservoir.type"PrivateWaterStorage"		GB99150200
Reservoir.type"ProposedMaxResLevel"		GB90100120
SewageLagoon.type"Private"		AP19950100
Swamp (area outline)		GC30050000
Swamp (area symbol)		GC90200000
Water Course		
Aqueduct		GA00950000
Arrowhead		GE90200110

Feature Classification	Section 1.1	Feature Code
Canal		GA03950000
Canal.type"LeftBank"		GA90001110
Canal.type"RightBank"		GA90001120
Channel		GA05200000
Channel.type"LeftBank"		GA95200120
Channel.type"RightBank"		GA95200110
Ditch		GA08800110
Ditch.Indefinite		GA08800130
Flume		GA11500000
River/Stream Geometric Rep Qualifier: Definite		GA24850000
River/Stream Geometric Rep Qualifier: Indefinite		GA24850140
River/Stream.type"Dry"		GA24850130
River/Stream.type"Intermittent"		GA24850150
River/Stream.type"LeftBank"		GA90000110
River/Stream.type"RightBank"		GA90000120
Sinkhole		HB27550000
Sluice		GA28200000
Spring		GF28750000
Hypsographic Feature		
PhotoCentre (symbol)		FD21100000
BreakLine.type"TransportationandOtherManMade"		HA90200140
AreaofExclusion		HC90000000
AreaofIndefiniteContours		HC90000100
BreakLine.type"Hydrographic"		HA90200130
BreakLine.type"Hypsographic"		HA90200120
BreakLine.type"Round"		HA90200110
BreakLine.type"Sharp"		HA90200000
Breakline.type"TransportationandOtherManMade"		HA90200140
Contour.type"Index"		HA90000000
Contour.type"Index".option"Depression"		HA90000130
Contour.type"Index".option"DepressionIndefinite"		HA90000140
Contour.type"Index".option"Indefinite"		HA90000110
Contour.type"Intermediate"		HA90001000
Contour.type"Intermediate".option"Depression"		HA90001130
Contour.type"Intermediate".option"DepressionIndefinite"		HA90001140
Contour.type"Intermediate".option"Indefinite"		HA90001110
DEMPoint.type"Definite"		HA90100000
DEMPoint.type"DefiniteDerived"		HA90100300
DEMPoint.type"Indefinite"		HA90100110
DEMPoint.type"IndefiniteDerived"		HA90100310
MountainPeak		HB18800000
SpotHeight (symbol)		HA28700000
WaterLevel(DateofPhotography) (symbol)		HA33100000

Feature Classification

Section 1.1

Feature Code

Land Cover Feature Class

Hedge	JD13400000
LoggedArea	JA13300000
Nursery	JB19150000
Orchard	JB19650000
Reforestation	JA23750000
ScrubArea	JD26200000
Shrub (Symbol)	JD27200000
Tree (small symbol)	JA92050100
TreeRow	JA25550000
Vineyard	JB32800000
WoodedArea	JA33750000

Feature Classification	Section 1.1	Feature Code
Land Form Feature Class		
Cave		HB04600000
CliffScarp		HB05650000
Esker		HB10200000
LavaBed		HB15850000
Moraine		HB18700000
SandDune		HB09450000
Scree		HB26150000
Slide (area outline)		HB27900000
Slide (area symbol)		HB90000000
VolcanicCrater		HB07650130

Feature Classification	Section 1.1	Feature Code
Land Mark Feature Class		
Antenna (symbol)		CC00850000
Barrier		CR01600000
Beacon		CQ01850000
Billboard		CB01950000
Bleachers		CL02050000
Boundary.type"International"		FA02650000
Boundary.type"Provincial"		FA02700000
BoundaryMonument (symbol)		FB18500000
Buildings - Structures		
AirTrafficControlTower		BQ31100000
AmbulanceBuilding		BH02100000
AmmunitionMagazine		CJ22300000
ApartmentBuilding		BN00900000
Barn		BA01450000
Building (to scale)		BR90000000
Building (symbol)		BR90000110
Building.type"Religious"		BM03350000
CityHall		BF05550000
College		BE05900000
CommunicationsBuilding (to scale)		BC99250000
CommunicationsBuilding (symbol)		BC29250000
CommunityCentre		BL13100130
Courthouse		BF07550000
CustomsOffice		BF01850000
ElectricalSubstationComplex		AG09850000
Factory		BG10300000
FerryTerminal		BQ30750140
FireLookoutTower		BF10951120
FireStation		BF11000000
GovernmentBuilding		BF12450000
GrainElevator		BA12600000
Grandstand		CL12650000
Greenhouse (to scale)		BA12800000
Greenhouse (symbol)		BA90100000
GunEmplacement		CR90200000
GunEmplacement (symbol)		CR90200100
HeritageBuilding		BL13700000
Hospital		BH13950000
Library		BE16200000
Lighthouse		CQ16350100
Museum		BL18900000
PoliceStation		BF22000000
PostOffice		BF22250000
PumpingStation.type"Sewer"		BP26800000
PumpingStation.type"Water"		BG22400130
Refinery		BG23650000
Ruins		BL25600000
School		BE26000000

Feature Classification	Section 1.1	Feature Code
SeniorCitizensHome		BN09350140
Silo (to scale)		CA27500000
Silo (symbol)		BA90000110
StadiumArena		BL10500000
TollGate (to scale)		DD31000000
TollGate (symbol)		DD91000000
University		BE32400000
WeighScale		CG33250000
Buoy		CQ23450100
Burner		CQ03550000
Cable.type"Insulated"		EA03800000
ChannelMarker (symbol)		CQ23450000
Conveyor		CQ06400000
Crane.type"Permanent"		CG07600000
Designated Area		
AmmunitionDump		AJ00650000
AreaUnderDevelopment		AS90000100
AutoWrecker		AB33850110
BirdSanctuary		AD25800110
Butts		CJ03660000
CampgroundCampsite		AL03900000
Cemetery		AM04560000
ConservationArea		AD25800000
CourtYard		AL90100000
DesignatedArea		AS90000000
DriveinTheatre		AL09000000
DrivingRange		AL23300120
Dump		AP09200000
ExhibitionGrounds		AL10250000
ExperimentalFarmStation		AA10550120
FishHatchery		AF11150000
Golf.type"Miniature"		AL12350110
GolfCourse		AL12350000
LumberMill		AG17500150
LumberYard		AB33850140
MarinaYaghtClub		BL17000000
MilitaryEstablishment		AJ01650000
Mine		AG17750000
Mine.type"OpenPit"		AG17600000
MineWaste		AP27850000
MobileHomePark		AN18100000
Park/PicnicArea		AL20150000
Pit.type"Abandoned"		AG21550001
Pit.type"GravelSand"		AG21550000
PlayGround		AL21850000
RailYard		AQ23000000
Range.type"Civilian"		AL23300000
Rink		AL24800000
SanitaryLandfill		AP09200110
ServiceStationArea		AQ90100000

Feature Classification	Section 1.1	Feature Code
SewageTreatmentArea		AP26750000
SkiArea		AL27700000
SpoilArea		AG80700000
SportTrack		AL22650110
SportsField		AL21900000
StockYard		AB33850150
StorageArea		AB33850160
TailingArea		AP30300000
TailingPond		AP90300100
TrailerPark		AN31950000
Yard		AB33850000
Zoo		AL33900000
Dock		CQ08850000
Dockyard		AG90100000
DryDock		CG09100000
Fence		CR10750000
FerryDock		CQ08850130
FerryRoute		AQ10800000
Foundation		AL90200000
Fountain (symbol)		CL91800000
Fountain (to scale)		CL11800000
GunEmplacement (symbol)		CR90200100
HistoricMonument		AL13650000
Hopper		CG13800000
Incinerator (symbol)		CP94500000
Incinerator (to scale)		CP14550000
Kiln (symbol)		CG95150000
Kiln (to scale)		CG15150000
LoadingDock		CQ08850110
OilTank (symbol)		EA90400110
OilTank (to scale)		EA30400110
Outfall.type"Drain"		EA99800100
Outfall.type"Sewer"		EA99800200
PeatCutting		AG20850000
Penitentiary		BF20950000
Pier		CQ21250000
Pile.type"RawMaterial"		AG21275000
Pile.type"Unspecified"		AG91275000
Pipeline		EA21400000
Pipeline.type"Gas"		EA21400270
Platform		CQ21750000
Pole (symbol)		EA21950000
Pole.type"Electrical"		EA21950110
Pole.type"Telephone"		EA21950120
Pole.type"Utility"		EA21950140
Quarry.type"dry"		AG22450000
Quay		CQ22600000
Rack		CR90500000
SettlingPond		AP30300100
SewerLine.type"Sanitary"		EA21400470
SewerLine.type"Storm"		EA21400580

Feature Classification	Section 1.1	Feature Code
Skijump		CL27750000
SkiLift		CL27800000
Slab		CR90300000
SmokestackChimney (to scale)		CG28300000
SolarCollector		CR90400000
StorageBin		CA02000000
TAnk (symbol)		EA90000000
Tank (to scale)		EA30400000
Tower.type"Lookout"		CL19202000
Tower.type"Microwave"		CC31152110
Tower.type"Transmission"		CC90002000
Tower.type"unspecified"		CC31150000
TransmissionLine.type"Hydro"		EA16400120
TransmissionLine.type"Power"		EA16400110
TransmissionLine.type"Unspecified"		EA16400000
Wall		CR32900000
Wall.type"Retaining"		DD24600000
WaterTower		EA31052110
Well.type"Gas"		CG12150000
Well.type"Oil"		CG19600000
Well.type"Water"		GF33400000
Wharf		CQ33450000

Feature Classification

Section 1.1

Feature Code

Text Feature Class

Text.type"AerialTriangulation"

KC90000000

Text.type"Hydrographic"

KB14250000

Text.type"HypsographicContourNumbers"

KC14300130

Text.type"LandCover"

KC14300310

Text.type"LandForm"

KC90500000

Text.type"Landmark"

KC90200000

Text.type"Toponymy"

KC90300000

Text.type"Transportation"

KC90100000

Feature Classification	Section 1.1	Feature Code
Transportation Feature Class		
AccessLane		DB00100000
Air Feature		
AirFeature.type"Runway".status"Paved"		AQ25670110
AirFeature.type"Runway".status"Unpaved"		AQ25670120
AirField		AQ00450000
Airport		AQ00500000
Airport.status"Abandoned"		AQ00550001
Airstrip		AQ00550000
Helipad		AQ13451000
BikePath		DC31850110
CutlineSeismicLine		JA08400000
Driveway		DB00100100
ElevatedRoadway		DA94900000
EquestrianPath		DC91800120
FerryRoute		AQ10800000
FootPath		DC31700100
Rail Feature		
RailLine.status"StreetCar".type"SingleTrack"		DE22950160
RailLine.type"AbandonedTrack"		DE22950001
RailLine.type"DoubleTrack"		DE22850000
RailLine.type"MultipleTrack"		DE22900000
RailLine.type"SingleTrack"		DE22950000
RailLine.type"Spur"		DF28850000
RailYard		AQ23000000
Road.surface"Loose".lanes"1".type"Undivided"		DA25000110
Road.surface"Loose".lanes"1".type"Undivided".status"U/C"		DA25000160
Road.surface"Loose".lanes"2".type"Undivided"		DA25000120
Road.surface"Loose".lanes"2".type"Undivided".status"U/C"		DA25000170
Road.surface"Paved".lanes"1".type"Undivided"		DA25100180
Road.surface"Paved".lanes"1".type"Undivided".status"U/C"		DA25100320
Road.surface"Paved".lanes"2".lanedir"OneWay"		DA25100190
Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"		DA25100330
Road.surface"Paved".lanes"2".type"Divided"		DA25050180
Road.surface"Paved".lanes"2".type"Divided".status"U/C"		DA25050310
Road.surface"Paved".lanes"2".type"Undivided"		DA25300190
Road.surface"Paved".lanes"2".type"Undivided".status"U/C"		DA25300330
Road.surface"Paved".lanes"3".type"Undivided"		DA25100200
Road.surface"Paved".lanes"3".type"Undivided".status"U/C"		DA25100340
Road.surface"Paved".lanes"4".type"Divided"		DA25050190
Road.surface"Paved".lanes"4".type"Divided.status"U/C"		DA25050320
Road.surface"Paved".lanes"4".type"Undivided"		DA25100210
Road.surface"Paved".lanes"4".type"Undivided".status"U/C"		DA25100350
Road.surface"Paved".lanes"6".type"Divided"		DA25050200
Road.surface"Paved".lanes"6".type"Divided".status"U/C"		DA25050330
Road.surface"Paved".lanes"6".type"Undivided"		DA25100220
Road.surface"Paved".lanes"6".type"Undivided".status"U/C"		DA25100360
Road.surface"Rough"		DA25150000
Road.type"BusLane"		DA25060100
Road.type"Driveway"		DB00100100

Part II

Section 1 - 15

Feature Classification

Section 1.1

Feature Code

Road.type"Intersection"
Road.type"Shoulder"
Trail

DD14800000
DD27250000
DD31700000

Transportation Structure

AerialCableway
Bridge
Culvert
Culvert (symbol)
CutEarthwork
FillEmbankment
FootBridge
Funicular
HighwayID.type"Numbers"
HighwayID.type"SymbolCircle"
HighwayID.type"SymbolOval"
Overpass
RailwayBumper (symbol)
RailwayScale (symbol)
RailwaySwitch (symbol)
RailwayTurntable
Ramp
SkiLift
Slip
Sluice
Snowshed
Trestle
Tunnel
Walkway

CQ00300000
DD93250000
DD08500000
DD98500000
DD08350000
DD09950000
DD93100000
DD90100000
UNDEFINED
UNDEFINED
UNDEFINED
DD99850000
DD25650000
DD91650000
DD30200000
DD32300000
CQ23100000
CL27800000
CQ28000000
GA28200000
DD28350000
DD93200000
DD93220000
DC90100000

Feature Code / Feature Name Index

This section provides the data user with a listing of feature names and their correlated feature codes sorted alphabetically by feature code.

Digital Baseline Mapping at 1:5 000 / 1:2 500

Feature Code Feature Name

A

AA10550120	ExperimentalFarmStation
AB33850000	Yard
AB33850110	AutoWrecker
AB33850140	LumberYard
AB33850150	StockYard
AB33850160	StorageArea
AD25800000	ConservationArea
AD25800110	BirdSanctuary
AF11150000	FishHatchery
AF11150100	FishFarm
AG09850000	ElectricalSubstationComplex
AG17500150	LumberMill
AG17600000	Mine.type"OpenPit"
AG17750000	Mine
AG20850000	PeatCutting
AG21275000	Pile.type"RawMaterial"
AG21550000	Pit.type"GravelSand"
AG21550001	Pit.type"Abandoned"
AG22450000	Quarry.type"Dry"
AG80700000	SpoilArea
AG90100000	Dockyard
AG91275000	Pile.type"Unspecified"
AJ00650000	AmmunitionDump
AJ01650000	MilitaryEstablishment
AJ23350000	Range.type"Military"
AL03900000	CampgroundCampsite
AL07500120	TennisCourt
AL09000000	DriveinTheatre
AL10250000	ExhibitionGrounds
AL12342200	GolfGreen (symbol)
AL12350000	GolfCourse
AL12350110	Golf.type"Miniature"
AL12350200	GolfGreen
AL12350300	GolfSandTrap
AL12350400	GolfTee
AL12352300	GolfSandTrap (symbol)
AL12352400	GolfTee (symbol)
AL13650000	HistoricMonument
AL13652100	HistoricMonument.type"Marker"
AL20150000	Park/PicnicArea
AL21850000	PlayGround
AL21900000	SportsField
AL22650000	RaceTrack
AL22650110	SportTrack
AL23300000	Range.type"Civilian"
AL23300120	DrivingRange
AL24800000	Rink
AL27700000	SkiArea

Digital Baseline Mapping at 1:5 000 / 1:2 500

Feature Code	Feature Name
AL33900000	Zoo
AL90100000	CourtYard
AL90200000	Foundation
AM04560000	Cemetery
AN18100000	MobileHomePark
AN31950000	TrailerPark
AP09200000	Dump
AP09200110	SanitaryLandfill
AP19950100	SewageLagoon.type"Private"
AP26750000	SewageTreatmentArea
AP27850000	MineWaste
AP30300000	TailingArea
AP90300100	TailingPond
AQ00450000	AirField
AQ00500000	Airport
AQ00550000	Airstrip
AQ00550001	Airport.status"Abandoned"
AQ00600000	Heliport
AQ10800000	FerryRoute
AQ13450000	Helipad (symbol)
AQ13451000	Helipad
AQ20400000	ParkingLot
AQ23000000	RailYard
AQ25670110	AirFeature.type"Runway".status"Paved"
AQ25670120	AirFeature.type"Runway".status"Unpaved"
AQ90100000	ServiceStationArea
AS90000000	DesignatedArea
AS90000100	AreaUnderDevelopment
B	
BA01450000	Barn
BA12600000	GrainElevator
BA12800000	Greenhouse
BA90000110	Silo (symbol)
BA90100000	Greenhouse (symbol)
BB26600000	ServiceStation
BB27050000	ShoppingCentre
BC29250000	CommunicationsBuilding (symbol)
BC99250000	CommunicationsBuilding
BE05900000	College
BE16200000	Library
BE26000000	School
BE32400000	University
BF01850000	CustomsOffice
BF05550000	CityHall
BF07550000	Courthouse
BF10950120	FireLookoutTower (symbol)
BF10951120	FireLookoutTower
BF11000000	FireStation
BF12450000	GovernmentBuilding
BF20950000	Penitentiary
BF22000000	PoliceStation
BF22250000	PostOffice

Feature Code	Feature Name
BG10300000	Factory
BG17450180	Mill.type"Plywood"
BG22400130	PumpingStation.type"Water"
BG22500110	ValveChamber.type"Water"
BG23650000	Refinery
BH02100000	AmbulanceBuilding
BH13950000	Hospital
BL01050000	StadiumArena
BL13100130	CommunityCentre
BL13700000	HeritageBuilding
BL18900000	Museum
BL25600000	Ruins
BL30100000	Pool.type"Swimming".status"Indoor"
BL30150000	Pool.type"Swimming".status"Outdoor"
BM03350000	Building.type"Religious"
BM05300100	Building.type"Religious".status"Christian"
BN00900000	ApartmentBuilding
BN09350140	SeniorCitizensHome
BN12000000	Garage.type"NonCommercial"
BN14100140	TownHouse
BP26800000	PumpingStation.type"Sewer"
BP26850000	SewageTreatmentPlant
BP30000000	RecyclingDepot
BQ30750140	FerryTerminal
BQ31100000	AirTrafficControlTower
BR00400100	Porch
BR80300000	Stairs
BR90000000	Building
BR90000110	Building (symbol)
CA02000000	StorageBin
CA02000100	Crib
CA06450000	CornCrib
CA27500000	Silo
CB01950000	Billboard
CB11850000	FuelPump
CB11850130	FuelPump.type"Gasoline"
CB11852000	FuelPump (symbol)
CB11852130	FuelPump.type"Gasoline" (symbol)
CB22250000	MailBox.type"Permanent"
CB29150000	Kiosk
CB29152000	Kiosk (symbol)
CC00850000	Antenna (symbol)
CC31150000	Tower.type"Unspecified" (symbol)
CC31150110	Tower.type"Microwave" (symbol)
CC31152110	Tower.type"Microwave"
CC90000000	Tower.type"Transmission" (symbol)
CC90002000	Tower.type"Transmission"
CG03550000	Burner (symbol)
CG07600000	Crane.type"Permanent" (symbol)

C

Digital Baseline Mapping at 1:5 000 / 1:2 500

Feature Code	Feature Name
CG07610000	Crane.type"Permanent"
CG09100000	Drydock
CG12150000	Well.type"Gas" (symbol)
CG13800000	Hopper
CG15150000	Kiln
CG19600000	Well.type"Oil" (symbol)
CG28300000	SmokestackChimney (symbol)
CG28300100	SmokestackChimney
CG33250000	WeighScale
CG95150000	Kiln (symbol)
CJ03660000	Butts
CJ22300000	AmmunitionMagazine
CL02050000	Bleachers
CL11300000	Pole.type"Flag" (symbol)
CL11800000	Fountain
CL12650000	Grandstand
CL18400200	HistoricMonument (symbol)
CL19200000	Tower.type"Lookout" (symbol)
CL19202000	Tower.type"Lookout"
CL27750000	SkiJump
CL27800000	SkiLift
CL29500000	Statue
CL29502000	Statue (symbol)
CL91800000	Fountain (symbol)
CM28600000	ChurchSteeple
CP14550000	Incinerator
CP94550000	Incinerator (symbol)
CQ00300000	AerialCableway
CQ01850000	Beacon (symbol)
CQ06400000	Conveyor
CQ08850000	Dock
CQ08850110	LoadingDock
CQ08850130	FerryDock
CQ08850160	Dock/Marina
CQ15800000	BoatRamp
CQ16350100	Lighthouse
CQ16500000	Locks
CQ21250000	Pier
CQ21250100	BoomPier
CQ21750000	Platform
CQ22600000	Quay
CQ23100000	Ramp
CQ23450000	ChannelMarker (symbol)
CQ23450100	Buoy (symbol)
CQ28000000	Slip
CQ28000100	FerrySlip
CQ29600200	Canopy
CQ33450000	Wharf
CQ36500000	BusShelter
CR01600000	Barrier
CR10750000	Fence
CR12200000	Gate

Feature Code	Feature Name
CR12202000	Gate (symbol)
CR21300000	Piling (symbol)
CR26900100	Balcony
CR29600300	Veranda
CR32900000	Wall
CR90200000	GunEmplacement
CR90200100	GunEmplacement (symbol)
CR90300000	Slab
CR90400000	SolarCollector
CR90500000	Rack

D

DA25000110	Road.surface"Loose".lanes"1".type"Undivided"
DA25000120	Road.surface"Loose".lanes"2".type"Undivided"
DA25000160	Road.surface"Loose".lanes"1".type"Undivided".status"U/C"
DA25000170	Road.surface"Loose".lanes"2".type"Undivided".status"U/C"
DA25050180	Road.surface"Paved".lanes"2".type"Divided"
DA25050190	Road.surface"Paved".lanes"4".type"Divided"
DA25050200	Road.surface"Paved".lanes"6".type"Divided"
DA25050310	Road.surface"Paved".lanes"2".type"Divided".status"U/C"
DA25050320	Road.surface"Paved".lanes"4".type"Divided".status"U/C"
DA25050330	Road.surface"Paved".lanes"6".type"Divided".status"U/C"
DA25060100	Road.type"BusLane"
DA25100180	Road.surface"Paved".lanes"1".type"Undivided"
DA25100190	Road.surface"Paved".lanes"2".lanedir"OneWay"
DA25100200	Road.surface"Paved".lanes"3".type"Undivided"
DA25100210	Road.surface"Paved".lanes"4".type"Undivided"
DA25100220	Road.surface"Paved".lanes"6".type"Undivided"
DA25100320	Road.surface"Paved".lanes"1".type"Undivided".status"U/C"
DA25100330	Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"
DA25100340	Road.surface"Paved".lanes"3".type"Undivided".status"U/C"
DA25100350	Road.surface"Paved".lanes"4".type"Undivided".status"U/C"
DA25100360	Road.surface"Paved".lanes"6".type"Undivided".status"U/C"
DA25150000	Road.surface"Rough"
DA25300190	Road.surface"Paved".lanes"2".type"Undivided"
DA25300330	Road.surface"Paved".lanes"2".type"Undivided".status"U/C"
DA94900000	ElevatedRoadway
DB00100000	AccessLane
DB00100100	Driveway
DB00100100	Road.type"Driveway"
DC31700100	FootPath
DC31850110	BikePath
DC90100000	Walkway
DC91800120	EquestrianPath
DD08350000	CutEarthwork
DD08500000	Culvert
DD09950000	FillEmbankment
DD12950000	GuardRail
DD14800000	Road.type"Intersection"
DD24600000	Wall.type"Retaining"
DD25650000	RailwayBumper (symbol)

Digital Baseline Mapping at 1:5 000 / 1:2 500

Feature Code	Feature Name
DD27250000	Road.type"Shoulder"
DD27400000	Sign (symbol)
DD28350000	Snowshed
DD29650000	Backstop
DD30200000	RailwaySwitch (symbol)
DD31000000	TollGate
DD31550000	TrafficLights (symbol)
DD31700000	Trail
DD32300000	RailwayTurntable
DD90100000	Funicular
DD91000000	TollGate (symbol)
DD91650000	RailwayScale (symbol)
DD93100000	FootBridge
DD93200000	Trestle
DD93220000	Tunnel
DD93250000	Bridge
DD98500000	Culvert (symbol)
DD99850000	Overpass
DE22850000	RailLine.type"DoubleTrack"
DE22900000	RailLine.type"MultipleTrack"
DE22950000	RailLine.type"SingleTrack"
DE22950001	RailLine.type"AbandonedTrack"
DE22950160	RailLine.status"StreetCar".type"SingleTrack"
DF28850000	RailLine.type"Spur"

E

EA03800000	Cable.type"Insulated"
EA04300000	CatchBasin
EA10850000	FiltrationBeds
EA14201000	FireHydrant (symbol)
EA16400000	TransmissionLine.type"Unspecified"
EA16400110	TransmissionLine.type"Power"
EA16400120	TransmissionLine.type"Hydro"
EA16850000	Manhole (symbol)
EA16850110	Manhole.type"Electrical" (symbol)
EA16850130	Manhole.type"Sewer" (symbol)
EA16850160	Manhole.type"Telephone" (symbol)
EA16850200	Manhole.type"Gas" (symbol)
EA21400000	Pipeline
EA21400270	Pipeline.type"Gas"
EA21400470	SewerLine.type"Sanitary"
EA21400580	SewerLine.type"Storm"
EA21950000	Pole (symbol)
EA21950110	Pole.type"Electrical" (symbol)
EA21950120	Pole.type"Telephone" (symbol)
EA21950130	Pole.type"LampStandard" (symbol)
EA21950140	Pole.type"Utility" (symbol)
EA22350000	Pump
EA22352000	Pump (symbol)
EA26700100	SettlingPond
EA30400000	Tank
EA30400110	OilTank

Feature Code	Feature Name
EA30600000	PhoneBooth (symbol)
EA30610000	CommunicationTerminal
EA31050110	WaterTower (symbol)
EA31052110	WaterTower
EA31200110	Pylon (symbol)
EA32000160	SubstationTransformer
EA32550000	Valve.type"GasLine" (symbol)
EA90000000	Tank (symbol)
EA90400110	OilTank (symbol)
EA99800100	Outfall.type"Drain" (symbol)
EA99800200	Outfall.type"Sewer" (symbol)

F

FA02650000	Boundary.type"International"
FA02700000	Boundary.type"Provincial"
FB18450000	ControlPoint.type"Horizontal".status"PermanentlyMarked" (symbol)
FB18500000	BoundaryMonument (symbol)
FB18650000	ControlPoint.type"Vertical".status"PermanentlyMarked" (symbol)
FD21100000	PhotoCentre (symbol)
FD90500000	CadastralPoint.status"PermanentlyMarked" (symbol)

G

GA00950000	Aqueduct
GA03950000	Canal
GA08450000	Dam.section"Top"
GA08450110	BeaverDam
GA08800110	Ditch
GA08800130	Ditch.Indefinite
GA10450000	Falls
GA11200000	FishLadder
GA11500000	Flume
GA21050000	Penstock
GA23500000	Rapids
GA23500110	Rapids (symbol)
GA24850000	River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Definite
GA24850130	River/Stream.type"Dry"
GA24850140	River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Indefinite
GA24850150	River/Stream.type"Intermittent"
GA24850210	River/Stream.type"LeftBank".status"HighWaterMarkDefinite"
GA24850220	River/Stream.type"RightBank".status"HighWaterMarkDefinite"
GA24850230	River/Stream.type"RightBank".status"HighWaterMarkIndefinite"
GA24850240	River/Stream.type"LeftBank".status"HighWaterMarkIndefinite"
GA28200000	Sluice
GA28250000	SluiceGate
GA28550000	Dam.section"Spillway"
GA90000110	River/Stream.type"LeftBank"
GA90000120	River/Stream.type"RightBank"
GA90000130	River/Stream.type"LeftBank".status"Indefinite"
GA90000140	River/Stream.type"RightBank".status"Indefinite"
GA90001110	Canal.type"LeftBank"

Digital Baseline Mapping at 1:5 000 / 1:2 500

GA90001120 Canal.type"RightBank"

Feature Code	Feature Name
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GA90002110	Falls (symbol)
GA98450000	Dam (symbol)
GA98450100	Dam.section"Base"
GB11350110	FloodedLand.type"Inundated" (area outline)
GB15300000	Lake <P8MI>Geometric Rep Qualifier<P255D> Definite
GB15300130	Lake <P8MI>Geometric Rep Qualifier<P255D> Indefinite
GB15300140	Lake.type"Intermittent"
GB15300180	Lake.type"DateofPhotography"
GB15300300	FishPond
GB22100200	Pond.type"Decorative"
GB22500000	Quarry.type"WaterFilled"
GB24300000	Reservoir <P8MI>Geometric Rep Qualifier<P255D> Definite
GB24300110	Reservoir.status"Underground"
GB90000000	FloodedLand.type"Inundated" (area symbol)
GB90100000	Reservoir <P8MI>Geometric Rep Qualifier<P255D> Indefinite
GB90100110	Reservoir.type"Intermittent"
GB90100120	Reservoir.type"ProposedMaxResLevel"
GB94300200	Reservoir.type"MunicipalWaterStorage".status"Underground"
GB94300210	Reservoir.type"MunicipalWaterStorage".status"GroundLevel"
GB94300220	Reservoir.type"MunicipalWaterStorage".status"AboveGround"
GB94300230	Reservoir.type"MunicipalWaterStorage".status"Elevated"
GB99150200	Reservoir.type"PrivateWaterStorage"
GC17100000	Marsh (area outline)
GC17100110	MarshInWater (area outline)
GC30050000	Swamp (area outline)
GC90100000	Marsh (area symbol)
GC90200000	Swamp (area symbol)
GC90300000	MarshInWater (area symbol)
GD12300000	Glacier
GD14450000	Icemass.type"PermanentSnow&Ice"
GE01800000	Beach
GE03050110	Breakwater
GE09400000	Dyke
GE14850000	Island <P8MI>Geometric Rep Qualifier:<P255D> Position Approximate
GE14850130	Island.type"River"
GE23600000	SubmergedReef
GE25850000	Sand/GravelBar (area outline)
GE26250000	SeaWall
GE30850000	ForeshoreFlats
GE90100000	Sand/GravelBar (area symbol)
GE90200000	FlowArrow
GE90200110	Arrowhead (symbol)
GE90850100	ForeshoreFlats (area symbol)
GE94850000	Island <P8MI>Geometric Rep Qualifier:<P255D>Definite (symbol)
GE94850100	Island <P8MI>Geometric Rep Qualifier:<P255D> Position Approximate
GF28750000	Spring (symbol)
GF33400000	Well.type"Water" (symbol)
GG05800000	Coastline <P8MI>Geometric Rep Qualifier:<P255D> Definite
GG95800130	Coastline <P8MI>Geometric Rep Qualifier:<P255D> Indefinite

Feature Code	Feature Name
H	
HA28700000	SpotHeight (symbol)
HA33100000	WaterLevel(DateofPhotography) (symbol)
HA90000000	Contour.type"Index"
HA90000110	Contour.type"Index".option"Indefinite"
HA90000130	Contour.type"Index".option"Depression"
HA90000140	Contour.type"Index".option"DepressionIndefinite"
HA90001000	Contour.type"Intermediate"
HA90001110	Contour.type"Intermediate".option"Indefinite"
HA90001130	Contour.type"Intermediate".option"Depression"
HA90001140	Contour.type"Intermediate".option"DepressionIndefinite"
HA90100000	DEMPoint.type"Definite" (symbol)
HA90100110	DEMPoint.type"Indefinite" (symbol)
HA90100300	DEMPoint.type"DefiniteDerived" (symbol)
HA90100310	DEMPoint.type"IndefiniteDerived" (symbol)
HA90200000	BreakLine.type"Sharp"
HA90200110	BreakLine.type"Round"
HA90200120	BreakLine.type"Hypsographic"
HA90200130	BreakLine.type"Hydrographic"
HA90200140	BreakLine.type"TransportationandOtherManMade"
HB04600000	Cave (symbol)
HB05650000	CliffScarp
HB07650130	VolcanicCrater
HB09450000	SandDune
HB10200000	Esker
HB15850000	LavaBed
HB18700000	Moraine
HB18800000	MountainPeak (symbol)
HB26150000	Scree
HB27550000	Sinkhole (symbol)
HB27900000	Slide (area outline)
HB90000000	Slide (area symbol)
HC90000000	AreaofExclusion
HC90000100	AreaofIndefiniteContours

J

JA08400000	CutlineSeismicLine
JA13300000	LoggedArea
JA23750000	Reforestation
JA25550000	TreeRow
JA32050000	Tree
JA33750000	WoodedArea
JA92050100	Tree (symbol)
JB19150000	Nursery
JB19650000	Orchard
JB32800000	Vineyard
JD13400000	Hedge
JD26200000	ScrubArea
JD27200000	Shrub (Symbol)

Digital Baseline Mapping at 1:5 000 / 1:2 500

JD27200100 Shrub

Feature Code Feature Name

K

KB14250000 Text.type"Hydrographic"
KC14300000 Text.type"HypsographicExcludingContourNumbers"
KC14300130 Text.type"HypsographicContourNumbers"
KC14300310 Text.type"LandCover"
KC90000000 Text.type"AerialTriangulation"
KC90100000 Text.type"Transportation"
KC90200000 Text.type"Landmark"
KC90300000 Text.type"Toponymy"
KC90500000 Text.type"LandForm"

U

UNDEFINED HighwayID.type"Numbers"
UNDEFINED HighwayID.type"SymbolOval"
UNDEFINED HighwayID.type"SymbolCircle"

[1.3 Feature Name / Feature Code Index

This section provides the data user with a listing of feature names and their correlated feature codes sorted alphabetically by feature name. The location of a feature within this list corresponds to the position of the feature within the detailed specification Section 2.

Digital Baseline Mapping at 1:5 000 / 1:2 500

Feature Name	Feature Code
A	
AccessLane	DB00100000
AerialCableway	CQ00300000
AirFeature.type"Runway".status"Paved"	AQ25670110
AirFeature.type"Runway".status"Unpaved"	AQ25670120
AirField	AQ00450000
AirTrafficControlTower	BQ31100000
Airport	AQ00500000
Airport.status"Abandoned"	AQ00550001
Airstrip	AQ00550000
AmbulanceBuilding	BH02100000
AmmunitionDump	AJ00650000
AmmunitionMagazine	CJ22300000
Antenna (symbol)	CC00850000
ApartmentBuilding	BN00900000
Aqueduct	GA00950000
AreaUnderDevelopment	AS90000100
AreaofExclusion	HC90000000
AreaofIndefiniteContours	HC90000100
Arrowhead (symbol)	GE90200110
AutoWrecker	AB33850110
B	
Backstop	DD29650000
Balcony	CR26900100
Barn	BA01450000
Barrier	CR01600000
Beach	GE01800000
Beacon (symbol)	CQ01850000
BeaverDam	GA08450110
BikePath	DC31850110
Billboard	CB01950000
BirdSanctuary	AD25800110
Bleachers	CL02050000
BoatRamp	CQ15800000
BoomPier	CQ21250100
Boundary.type"International"	FA02650000
Boundary.type"Provincial"	FA02700000
BoundaryMonument (symbol)	FB18500000
BreakLine.type"Hydrographic"	HA90200130
BreakLine.type"Hypsographic"	HA90200120
BreakLine.type"Round"	HA90200110
BreakLine.type"Sharp"	HA90200000
BreakLine.type"TransportationandOtherManMade"	HA90200140
Breakwater	GE03050110
Bridge	DD93250000
Building	BR90000000
Building (symbol)	BR90000110
Building.type"Religious"	BM03350000
Building.type"Religious".status"Christian"	BM05300100

Feature Name	Feature Code
Buoy (symbol)	CQ23450100
Burner (symbol)	CG03550000
BusShelter	CQ36500000
Butts	CJ03660000
C	
Cable.type"Insulated"	EA03800000
CadastralPoint.status"PermanentlyMarked" (symbol)	FD90500000
CampgroundCampsite	AL03900000
Canal	GA03950000
Canal.type"LeftBank"	GA90001110
Canal.type"RightBank"	GA90001120
Canopy	CQ29600200
CatchBasin	EA04300000
Cave (symbol)	HB04600000
Cemetery	AM04560000
ChannelMarker (symbol)	CQ23450000
ChurchSteeple	CM28600000
CityHall	BF05550000
CliffScarp	HB05650000
Coastline <P8MI>Geometric Rep Qualifier:<P255D> Definite	GG05800000
Coastline <P8MI>Geometric Rep Qualifier:<P255D> Indefinite	GG95800130
College	BE05900000
CommunicationTerminal	EA30610000
CommunicationsBuilding	BC99250000
CommunicationsBuilding (symbol)	BC29250000
CommunityCentre	BL13100130
ConservationArea	AD25800000
Contour.type"Index"	HA90000000
Contour.type"Index".option"Depression"	HA90000130
Contour.type"Index".option"DepressionIndefinite"	HA90000140
Contour.type"Index".option"Indefinite"	HA90000110
Contour.type"Intermediate"	HA90001000
Contour.type"Intermediate".option"Depression"	HA90001130
Contour.type"Intermediate".option"DepressionIndefinite"	HA90001140
Contour.type"Intermediate".option"Indefinite"	HA90001110
ControlPoint.type"Horizontal".status"PermanentlyMarked" (symbol)	FB18450000
ControlPoint.type"Vertical".status"PermanentlyMarked" (symbol)	FB18650000
Conveyor	CQ06400000
CornCrib	CA06450000
CourtYard	AL90100000
Courthouse	BF07550000
Crane.type"Permanent"	CG07610000
Crane.type"Permanent" (symbol)	CG07600000
Crib	CA02000100
Culvert	DD08500000
Culvert (symbol)	DD98500000
CustomsOffice	BF01850000
CutEarthwork	DD08350000
CutlineSeismicLine	JA08400000

Feature Name		Feature Code
	D	
Dam (symbol)		GA98450000
Dam.section"Base"		GA98450100
Dam.section"Spillway"		GA28550000
Dam.section"Top"		GA08450000
DEMPoint.type"Definite" (symbol)		HA90100000
DEMPoint.type"DefiniteDerived" (symbol)		HA90100300
DEMPoint.type"Indefinite" (symbol)		HA90100110
DEMPoint.type"IndefiniteDerived" (symbol)		HA90100310
DesignatedArea		AS90000000
Ditch		GA08800110
Ditch.Indefinite		GA08800130
Dock		CQ08850000
Dock/Marina		CQ08850160
Dockyard		AG90100000
DriveinTheatre		AL09000000
Driveway		DB00100100
DrivingRange		AL23300120
Drydock		CG09100000
Dump		AP09200000
Dyke		GE09400000
	E	
ElectricalSubstationComplex		AG09850000
ElevatedRoadway		DA94900000
EquestrianPath		DC91800120
Esker		HB10200000
ExhibitionGrounds		AL10250000
ExperimentalFarmStation		AA10550120
	F	
Factory		BG10300000
Falls		GA10450000
Falls (symbol)		GA90002110
Fence		CR10750000
FerryDock		CQ08850130
FerryRoute		AQ10800000
FerrySlip		CQ28000100
FerryTerminal		BQ30750140
FillEmbankment		DD09950000
FiltrationBeds		EA10850000
FireHydrant (symbol)		EA14201000
FireLookoutTower		BF10951120
FireLookoutTower (symbol)		BF10950120
FireStation		BF11000000
FishFarm		AF11150100
FishHatchery		AF11150000
FishLadder		GA11200000
FishPond		GB15300300
FloodedLand.type"Inundated" (area outline)		GB11350110
FloodedLand.type"Inundated" (area symbol)		GB90000000

FlowArrow

GE90200000

Feature Name

Feature Code

Flume	GA11500000
FootBridge	DD93100000
FootPath	DC31700100
ForeshoreFlats	GE30850000
ForeshoreFlats (area symbol)	GE90850100
Foundation	AL90200000
Fountain	CL11800000
Fountain (symbol)	CL91800000
FuelPump	CB11850000
FuelPump (symbol)	CB11852000
FuelPump.type"Gasoline"	CB11850130
FuelPump.type"Gasoline" (symbol)	CB11852130
Funicular	DD90100000

G

Garage.type"NonCommercial"	BN12000000
Gate	CR12200000
Gate (symbol)	CR12202000
Glacier	GD12300000
Golf.type"Miniature"	AL12350110
GolfCourse	AL12350000
GolfGreen	AL12350200
GolfGreen (symbol)	AL12342200
GolfSandTrap	AL12350300
GolfSandTrap (symbol)	AL12352300
GolfTee	AL12350400
GolfTee (symbol)	AL12352400
GovernmentBuilding	BF12450000
GrainElevator	BA12600000
Grandstand	CL12650000
Greenhouse	BA12800000
Greenhouse (symbol)	BA90100000
GuardRail	DD12950000
GunEmplacement	CR90200000
GunEmplacement (symbol)	CR90200100

H

Hedge	JD13400000
Helipad	AQ13451000
Helipad (symbol)	AQ13450000
Heliport	AQ00600000
HeritageBuilding	BL13700000
HighwayID.type"Numbers"	UNDEFINED
HighwayID.type"SymbolCircle"	UNDEFINED
HighwayID.type"SymbolOval"	UNDEFINED
HistoricMonument	AL13650000
HistoricMonument (symbol)	CL18400200
HistoricMonument.type"Marker"	AL13652100
Hopper	CG13800000
Hospital	BH13950000

Feature Name		Feature Code
I		
Icemass.type"PermanentSnow&Ice"		GD14450000
Incinerator		CP14550000
Incinerator (symbol)		CP94550000
Island <P8MI>Geometric Rep Qualifier:<P255D> Position Approximate		GE14850000
Island <P8MI>Geometric Rep Qualifier:<P255D> Position Approximate		GE94850100
Island <P8MI>Geometric Rep Qualifier:<P255D>Definite (symbol)		GE94850000
Island.type"River"		GE14850130
K		
Kiln		CG15150000
Kiln (symbol)		CG95150000
Kiosk		CB29150000
Kiosk (symbol)		CB29152000
L		
Lake <P8MI>Geometric Rep Qualifier<P255D> Definite		GB15300000
Lake <P8MI>Geometric Rep Qualifier<P255D> Indefinite		GB15300130
Lake.type"DateofPhotography"		GB15300180
Lake.type"Intermittent"		GB15300140
LavaBed		HB15850000
Library		BE16200000
Lighthouse		CQ16350100
LoadingDock		CQ08850110
Locks		CQ16500000
LoggedArea		JA13300000
LumberMill		AG17500150
LumberYard		AB33850140
M		
MailBox.type"Permanent"		CB22250000
Manhole (symbol)		EA16850000
Manhole.type"Electrical" (symbol)		EA16850110
Manhole.type"Gas" (symbol)		EA16850200
Manhole.type"Sewer" (symbol)		EA16850130
Manhole.type"Telephone" (symbol)		EA16850160
Marsh (area outline)		GC17100000
Marsh (area symbol)		GC90100000
MarshInWater (area outline)		GC17100110
MarshInWater (area symbol)		GC90300000
MilitaryEstablishment		AJ01650000
Mill.type"Plywood"		BG17450180
Mine		AG17750000
Mine.type"OpenPit"		AG17600000
MineWaste		AP27850000
MobileHomePark		AN18100000
Moraine		HB18700000
MountainPeak (symbol)		HB18800000
Museum		BL18900000

Feature Name		Feature Code
Nursery	N	JB19150000
	O	EA30400110
		EA90400110
		JB19650000
		EA99800100
		EA99800200
OilTank		DD99850000
OilTank (symbol)		
Orchard		
Outfall.type"Drain" (symbol)		
Outfall.type"Sewer" (symbol)		
Overpass		
Park/PicnicArea ParkingLot PeatCutting Penitentiary Penstock PhoneBooth (symbol) PhotoCentre (symbol) Pier Pile.type"RawMaterial" Pile.type"Unspecified" Piling (symbol) Pipeline Pipeline.type"Gas" Pit.type"Abandoned" Pit.type"GravelSand" Platform PlayGround Pole (symbol) Pole.type"Electrical" (symbol) Pole.type"Flag" (symbol) Pole.type"LampStandard" (symbol) Pole.type"Telephone" (symbol) Pole.type"Utility" (symbol) PoliceStation Pond.type"Decorative" Pool.type"Swimming".status"Indoor" Pool.type"Swimming".status"Outdoor" Porch PostOffice Pump Pump (symbol) PumpingStation.type"Sewer" PumpingStation.type"Water" Pylon (symbol)	P	AL20150000
		AQ20400000
		AG20850000
		BF20950000
		GA21050000
		EA30600000
		FD21100000
		CQ21250000
		AG21275000
		AG91275000
		CR21300000
		EA21400000
		EA21400270
		AG21550001
		AG21550000
		CQ21750000
		AL21850000
		EA21950000
		EA21950110
		CL11300000
		EA21950130
		EA21950120
		EA21950140
		BF22000000
		GB22100200
		BL30100000
		BL30150000
		BR00400100
		BF22250000
		EA22350000
		EA22352000
		BP26800000
		BG22400130
		EA31200110
Quarry.type"Dry" Quarry.type"WaterFilled" Quay	Q	AG22450000
		GB22500000
		CQ22600000

Feature Name	R	Feature Code
RaceTrack		AL22650000
Rack		CR90500000
RailLine.status"StreetCar".type"SingleTrack"		DE22950160
RailLine.type"AbandonedTrack"		DE22950001
RailLine.type"DoubleTrack"		DE22850000
RailLine.type"MultipleTrack"		DE22900000
RailLine.type"SingleTrack"		DE22950000
RailLine.type"Spur"		DF28850000
RailYard		AQ23000000
RailwayBumper (symbol)		DD25650000
RailwayScale (symbol)		DD91650000
RailwaySwitch (symbol)		DD30200000
RailwayTurntable		DD32300000
Ramp		CQ23100000
Range.type"Civilian"		AL23300000
Range.type"Military"		AJ23350000
Rapids		GA23500000
Rapids (symbol)		GA23500110
RecyclingDepot		BP30000000
Refinery		BG23650000
Reforestation		JA23750000
Reservoir <P8MI>Geometric Rep Qualifier<P255D> Definite		GB24300000
Reservoir <P8MI>Geometric Rep Qualifier<P255D> Indefinite		GB90100000
Reservoir.status"Underground"		GB24300110
Reservoir.type"Intermittent"		GB90100110
Reservoir.type"MunicipalWaterStorage".status"AboveGround"		GB94300220
Reservoir.type"MunicipalWaterStorage".status"Elevated"		GB94300230
Reservoir.type"MunicipalWaterStorage".status"GroundLevel"		GB94300210
Reservoir.type"MunicipalWaterStorage".status"Underground"		GB94300200
Reservoir.type"PrivateWaterStorage"		GB99150200
Reservoir.type"ProposedMaxResLevel"		GB90100120
Rink		AL24800000
River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Definite		GA24850000
River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Indefinite		GA24850140
River/Stream.type"Dry"		GA24850130
River/Stream.type"Intermittent"		GA24850150
River/Stream.type"LeftBank"		GA90000110
River/Stream.type"LeftBank".status"HighWaterMarkDefinite"		GA24850210
River/Stream.type"LeftBank".status"HighWaterMarkIndefinite"		GA24850240
River/Stream.type"LeftBank".status"Indefinite"		GA90000130
River/Stream.type"RightBank"		GA90000120
River/Stream.type"RightBank".status"HighWaterMarkDefinite"		GA24850220
River/Stream.type"RightBank".status"HighWaterMarkIndefinite"		GA24850230
River/Stream.type"RightBank".status"Indefinite"		GA90000140
Road.surface"Loose".lanes"1".type"Undivided"		A25000110
Road.surface"Loose".lanes"1".type"Undivided".status"U/C"		DA25000160
Road.surface"Loose".lanes"2".type"Undivided"		DA25000120
Road.surface"Loose".lanes"2".type"Undivided".status"U/C"		DA25000170
Road.surface"Paved".lanes"1".type"Undivided"		DA25100180

Digital Baseline Mapping at 1:5 000 / 1:2 500

Road.surface"Paved".lanes"1".type"Undivided".status"U/C"

DA25100320

Feature Name

Feature Code

Road.surface"Paved".lanes"2".lanedir"OneWay"
 Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"
 Road.surface"Paved".lanes"2".type"Divided"
 Road.surface"Paved".lanes"2".type"Divided".status"U/C"
 Road.surface"Paved".lanes"2".type"Undivided"
 Road.surface"Paved".lanes"2".type"Undivided".status"U/C"
 Road.surface"Paved".lanes"3".type"Undivided"
 Road.surface"Paved".lanes"3".type"Undivided".status"U/C"
 Road.surface"Paved".lanes"4".type"Divided"
 Road.surface"Paved".lanes"4".type"Divided.status"U/C"
 Road.surface"Paved".lanes"4".type"Undivided"
 Road.surface"Paved".lanes"4".type"Undivided".status"U/C"
 Road.surface"Paved".lanes"6".type"Divided"
 Road.surface"Paved".lanes"6".type"Divided".status"U/C"
 Road.surface"Paved".lanes"6".type"Undivided"
 Road.surface"Paved".lanes"6".type"Undivided".status"U/C"
 Road.surface"Rough"
 Road.type"BusLane"
 Road.type"Driveway"
 Road.type"Intersection"
 Road.type"Shoulder"
 Ruins

DA25100190
 DA25100330
 DA25050180
 DA25050310
 DA25300190
 DA25300330
 DA25100200
 DA25100340
 DA25050190
 DA25050320
 DA25100210
 DA25100350
 DA25050200
 DA25050330
 DA25100220
 DA25100360
 DA25150000
 DA25060100
 DB00100100
 DD14800000
 DD27250000
 BL25600000

S

Sand/GravelBar (area outline)
 Sand/GravelBar (area symbol)
 SandDune
 SanitaryLandfill
 School
 Scree
 ScrubArea
 SeaWall
 SeniorCitizensHome
 ServiceStation
 ServiceStationArea
 SettlingPond
 SewageLagoon.type"Private"
 SewageTreatmentArea
 SewageTreatmentPlant
 SewerLine.type"Sanitary"
 SewerLine.type"Storm"
 ShoppingCentre
 Shrub
 Shrub (Symbol)
 Sign (symbol)
 Silo
 Silo (symbol)
 Sinkhole (symbol)
 SkiArea
 SkiJump

GE25850000
 GE90100000
 HB09450000
 AP09200110
 BE26000000
 HB26150000
 JD26200000
 GE26250000
 BN09350140
 BB26600000
 AQ90100000
 EA26700100
 AP19950100
 AP26750000
 BP26850000
 EA21400470
 EA21400580
 BB27050000
 JD27200100
 JD27200000
 DD27400000
 CA27500000
 BA90000110
 HB27550000
 AL27700000
 CL27750000

SkiLift	CL27800000
Feature Name	Feature Code
Slab	CR90300000
Slide (area outline)	HB27900000
Slide (area symbol)	HB90000000
Slip	CQ28000000
Sluice	GA28200000
SluiceGate	GA28250000
SmokestackChimney	CG28300100
SmokestackChimney (symbol)	CG28300000
Snowshed	DD28350000
SolarCollector	CR90400000
SpoilArea	AG80700000
SportTrack	AL22650110
SportsField	AL21900000
SpotHeight (symbol)	HA28700000
Spring (symbol)	GF28750000
StadiumArena	BL01050000
Stairs	BR80300000
Statue	CL29500000
Statue (symbol)	CL29502000
StockYard	AB33850150
StorageArea	AB33850160
StorageBin	CA02000000
SubmergedReef	GE23600000
SubstationTransformer	EA32000160
Swamp (area outline)	GC30050000
Swamp (area symbol)	GC90200000

T

TailingArea	AP30300000
TailingPond	AP90300100
Tank	EA30400000
Tank (symbol)	EA90000000
TennisCourt	AL07500120
Text.type"AerialTriangulation"	KC90000000
Text.type"Hydrographic"	KB14250000
Text.type"HypsographicContourNumbers"	KC14300130
Text.type"HypsographicExcludingContourNumbers"	KC14300000
Text.type"LandCover"	KC14300310
Text.type"LandForm"	KC90500000
Text.type"Landmark"	KC90200000
Text.type"Toponymy"	KC90300000
Text.type"Transportation"	KC90100000
TollGate	DD31000000
TollGate (symbol)	DD91000000
Tower.type"Lookout"	CL19202000
Tower.type"Lookout" (symbol)	CL19200000
Tower.type"Microwave"	CC31152110
Tower.type"Microwave" (symbol)	CC31150110

Digital Baseline Mapping at 1:5 000 / 1:2 500

Tower.type"Transmission"

CC90002000

Feature Name

Feature Code

Tower.type"Transmission" (symbol)

CC90000000

Tower.type"Unspecified" (symbol)

CC31150000

TownHouse

BN14100140

TrafficLights (symbol)

DD31550000

Trail

DD31700000

TrailerPark

AN31950000

TransmissionLine.type"Hydro"

EA16400120

TransmissionLine.type"Power"

EA16400110

TransmissionLine.type"Unspecified"

EA16400000

Tree

JA32050000

Tree (symbol)

JA92050100

TreeRow

JA25550000

Trestle

DD93200000

Tunnel

DD93220000

U

University

BE32400000

V

Valve.type"GasLine" (symbol)

EA32550000

ValveChamber.type"Water"

BG22500110

Veranda

CR29600300

Vineyard

JB32800000

VolcanicCrater

HB07650130

W

Walkway

DC90100000

Wall

CR32900000

Wall.type"Retaining"

DD24600000

WaterLevel(DateofPhotography) (symbol)

HA33100000

WaterTower

EA31052110

WaterTower (symbol)

EA31050110

WeighScale

CG33250000

Well.type"Gas" (symbol)

CG12150000

Well.type"Oil" (symbol)

CG19600000

Well.type"Water" (symbol)

GF33400000

Wharf

CQ33450000

WoodedArea

JA33750000

Y

Yard

AB33850000

Z

Zoo

AL33900000

Section 2 Detailed Geographic Object Specifications

Digital Baseline Mapping at 1:5 000 / 1:2 500

Section 2 - Detailed Geographic Object Specifications

2.1 General Notes

The following section will provide the user or supplier of 1:20 000 digital baseline data with a detailed specification of each possible feature that is relevant to this discipline at this scale. The intention is to provide specifications in a vendor and program independent way. In this release, codes are included that are necessary to support existing contractual programs, but future releases may only contain code references as correlation tables found in the appendices. All measurements and display parameter guidelines required to generate verification plots and to interpret representational products are explicitly included in each feature table. The measurements in the detailed section are stated in millimetres at map scale. All display guidelines are stated in vendor independent terms, e.g. colour is given as BLUE rather than a vendor dependent parameter such as "002". To facilitate updating of feature tables, this section is alphabetically arranged without page numbering. This will allow for the insertion of addenda when required without the need for section reprinting and index generation.

All digital data shall be digitized and edited in accordance with the guidelines provided in Part I Section 5.

All digital data files shall be coded (i.e. feature code and feature type) in accordance with the detailed specifications provided in Part II Section 2.

Contours will be generated by computer interpolation from the Digital Elevation Model compiled in stereo compilation.

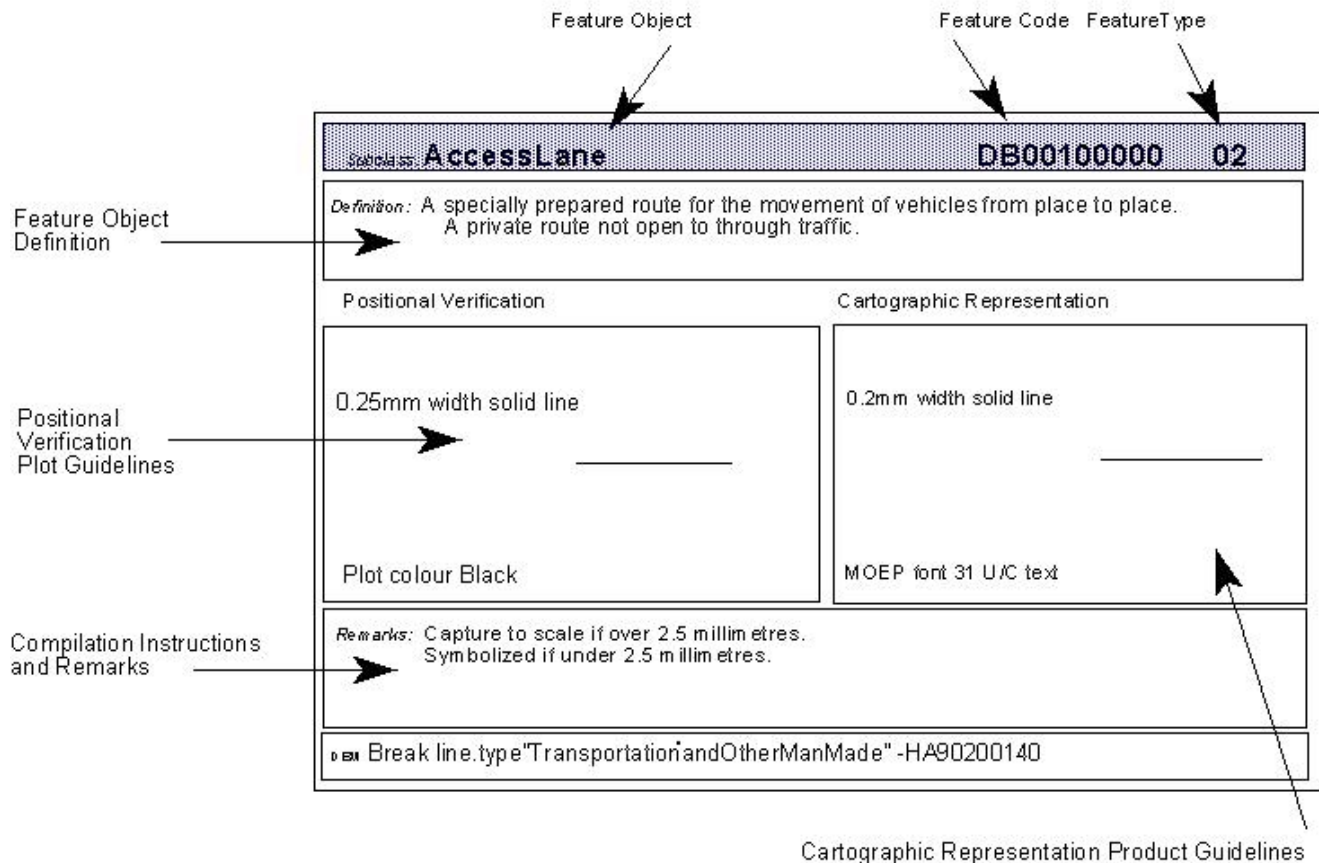
Contour interpolation will be achieved using computer software previously approved by the Branch.

Part II Section 1 contains indices to map features found in the detailed specification section.

Part II Section 2.2 contains instructions on the use of the detailed specification section.

Digital Baseline Mapping at 1:5 000 / 1:2 500

2.2 Instructions on Use of Detailed Specifications Tables



Feature Object:

The Feature Object is a member of a feature class with values (null or otherwise) assigned to each categorical attribute associated with the definition of the feature class. A Feature Class is a division of real world phenomenon based on similar operational characteristics, but without reference to geometry, topology, and representation. It is described by its position in the simple hierarchy and by a sequence of categorical attributes. (Canadian General Standards Board National Committee on Geomatics - joint meeting of Working Groups 1,2 and 3, April 1990). The simple hierarchy referenced in the above definition is the feature identification model described in Section 1 of this volume. Note that in future releases the feature identification model from which all feature objects are derived will comprise an independent volume under the BC-SAIF document series.

Feature Object Definition:

English definition of each feature object. Currently these definitions have been created by Geographic Data BC. Future releases will contain definitions from a National Geomatics Feature Identification Model.

Feature Code:

This code is the CCSM convention derived codification of the Feature Object. It represents the link between the feature object and the current method of data transfer, i.e. the MOEP format. Note that this field is redundant in that it is identical in meaning to the Feature Object.

Feature Type:

The feature type is the MOEP format code identifying the authorized geometry for the identified feature object. Note that this code is specified under the Compilation Instructions and Remarks section, e.g. the example provides the MOEP feature type “02” for an aerial cableway; the definition of the MOEP type 02 “Point to point linear feature” is found in the remarks.

Positional Verification Plot Guidelines

This section gives a pictorial example of the feature object and a verbal description of the required representational parameters. Both the representational parameters and the pictorial example are applicable only to the plot of positional data used for verification.

Cartographic Representation Product Guidelines

This section gives a monochrome pictorial example and verbal description of representation parameters for the representational product. These are the parameters used to create the hard copy published product. They also represent representational guidelines for GIS display parameters.

NOTE:

The pictorial examples from both the verification plot and representation product guidelines were produced through a combination of automated procedures and formats. They will not exactly match the results that can be obtained through vector plot and offset lithographic methods. They have been included to give an approximate pictorial guideline to the display of the feature objects.

Compilation Instructions and Remarks

This section relates additional remarks and instruction relevant to the capture of the target feature. Here can be found the geometric type of the feature, comments regarding capture minimums and maximums, and authorized representational qualifiers.

2.3 Notes on Detailed Specifications

There are some features within the specifications which are to appear on the Positional Verification File plot but are not found in the MOEP format Positional Files. To facilitate plotting symbology and text on the MOEP positional verification plots, these features which are not required in the planimetric positional file will be placed in a separate MOEP format file. (Non-Positional File) This file will contain the following features:

Arrowhead	GE90200110
Sand/GravelBar (Area Symbol)	GE90100000
FloodedLand (Area Symbol)	GB90000000
FlowArrow	GE90200000
Marsh (Area Symbol)	GC90100000
MarshInWater (Area Symbol)	GC90300000
PhotoCentre	FD21100000
Slide (Area Symbol)	HB90000000
Swamp (Area Symbol)	GC90200000
Text.type"AerialTriangulation"	KC90000000
Text.type"Hydrographic"	KB14250000
Text.type"LandCover"	KC14300310
Text.type"LandForm"	KC90500000
Text.type"LandMark"	KC90200000

Include also generic text related to positional plot features (i.e. Pile, Hedge).

2.3.1 Remarks - Aerial Triangulation and Related Features

Photo centres and permanently marked control points are the only aerial triangulation features to be contained in the Map Representational Data Files.

2.3.2 Remarks - Hydrographic and Related Features

See Figure II.2.1 for a graphic illustration of the following remarks.

All distances, unless other specified are at map scale, not ground scale.

- For the purpose of these specifications, drainage related features have been divided into two distinct classifications:
 - Tidal
 - Non-tidal
 -
- The point at which tidal water features change to non-tidal water features will be specified for each project.
-
- The intention is to show natural and manmade hydrographic features that are continuous for a distance of over 10 millimetres in length.
- All graphic elements depicting hydrographic features having a discernable gradient must be digitized in a downstream direction, e.g. rivers, streams, canals, ditches.
- Where hydrographic features pass under roads or other linear features, the continuity of the digital data must be retained in the map position file (e.g. Do not break the feature for bridges or dams, etc. There will be a node placed at point of intersection.).
- Rivers/streams shall be shown as continuous, even though flowing through lake features that are below the minimum size specification, or through swamp or marsh areas. (Hanging drainage will be avoided when possible.)
- Minimum width for double line rivers is 2.0 millimetres.
- Ditches shall only be captured if they form part of the main drainage system.
- The apparent high water mark of any lake, or other body of water is where the presence and action of the water are so common and usual as to mark on the soil of the bed of the body of water a character distinct from that of its banks, in vegetation, as well as in the nature of the soil itself.

NOTE: For purpose of these specifications, the following are all defined by their apparent high water marks:

- Coastline (Tidal)
- River Double Line
- Lake
- Reservoir
-
- Island features in rivers/streams and lakes which are not covered by water and are greater than 1 millimetre (map scale) in length on longest side will be captured to scale. Sand/gravel in rivers/streams and lakes which are not covered by water (date of photography) and are greater than 1 millimetres (map scale) in width and 5 millimetres (map scale) in length will be captured to scale.
- Beaver dams shall be shown if over 2 millimetres (map scale) in length.
- The lake feature code will be used for any natural, permanent body of water having a longest side greater than 2.0 millimetres.

Digital Baseline Mapping at 1:5 000 / 1:2 500

- The reservoir feature code will be used for any body of water having a longest side greater than 2.0 millimetres lying behind a man made dam.
- Branch toponomy sheets will be used to ensure that all named creeks are captured.
- Feature ArrowHead. For clarification, the arrow head is to be placed where split streams occur (on the lesser stream).
- Feature Sinkhole. For clarification, this arrow head is to be attached to hanging drainage to show the direction of flow and to clarify the stream's termination.
- When lake polygons, coastline, double sided rivers are closed with a double sided river, note the left and right river banks to the lake, coastline, double sided river.
- To close double sided rivers flowing into a lake or ocean continue the left bank and code as a construction line.
- To close double sided rivers flowing out of a lake continue the right bank and code as a construction line.
- When a double sided river meets another double sided river, close the lesser feature as left bank; show the closing line of the lesser feature and the corresponding major river line as construction (similar to a double sided river flowing into lake). When a double sided river branches into two or more double sided rivers forming a delta as it joins a lake or an ocean, the land masses between the branches are coded as islands. River/Stream.type "Left/RightBank".status "HighWaterMark...." is used when the river at time of photography has receded to below the usual high water mark (see (h)), and the water course is usually flowing through sand/gravel bars. The High Water Mark feature is utilized when the distance between where the water is flowing and the apparent high water mark is greater than 2.0 millimetres. The High Water Mark feature is captured with the same downstream rules as the Left/Right Banks of a double sided river. Double line River/Stream... are captured when the continuous distance of the average minimum width is over 50.0mm. The island line which is coincident with the lake will be primary and the lake and river-left bank will be construction.
- Duplicate swamps as trees when next to clearing. Do not duplicate swamp as trees when next to trees.
- Major dams will be captured by showing a dam top and a dam base when visible. Both the dam top and the dam base will be captured as closed polygons with the dam top taking precedence. In the event that the dam base is partially visible the dam top outline will be duplicated at the appropriate water level to provide a closed polygon for the dam base. Roads that traverse the dam top will be captured as road(gravel - 1 lane) at all times.
- Spillways - Roads crossing spillways will be shown as a bridge to scale. Spillway bridges are not shown on the representational file.
- Coastline (Tidal) - When a tidal situation occurs, the apparent high water mark will be captured as Coastline. Only named features, i.e. islands, beaches, will be captured below the high water mark. The intent is to capture only the apparent high water mark in tidal areas.
- When a dry river bed/oxbow which is not subject to annual flooding joins a double line river, the junction is to be closed using a solid visible line (left or right bank). The dry river bed is to be captured as a closed polygon.
- If an oxbow has water in it and not joined to a double sided river then capture as a lake. If the oxbow has water in it and is joined to a double side river at one end, capture as part of the river. If the oxbow is dry then capture as a dry river bed.

- Either definite or intermittent drainage may have portions classified as indefinite in limited situations when the water course is obscured by vegetation, shadow, etc. A definite stream cannot flow into an intermittent stream.
- Channels are used within a double line river, when the river at time of photography has receded to below the usual high water mark (see h), and the water course is usually flowing through sand/gravel bars. A Right Bank/Left Bank Channel is utilized when the channel width is greater than 2.0 millimetres. Channels shall be construction lines when co-incident to double rivers, and shall close at the same point as a double line river.
- Lake - "DateofPhotography" is utilized when the lake at the time of photography has clearly receded below its normal high water mark, the Lake.type"DateofPhotography" feature is placed at the current water level mark. This feature does not supersede any other lake code.

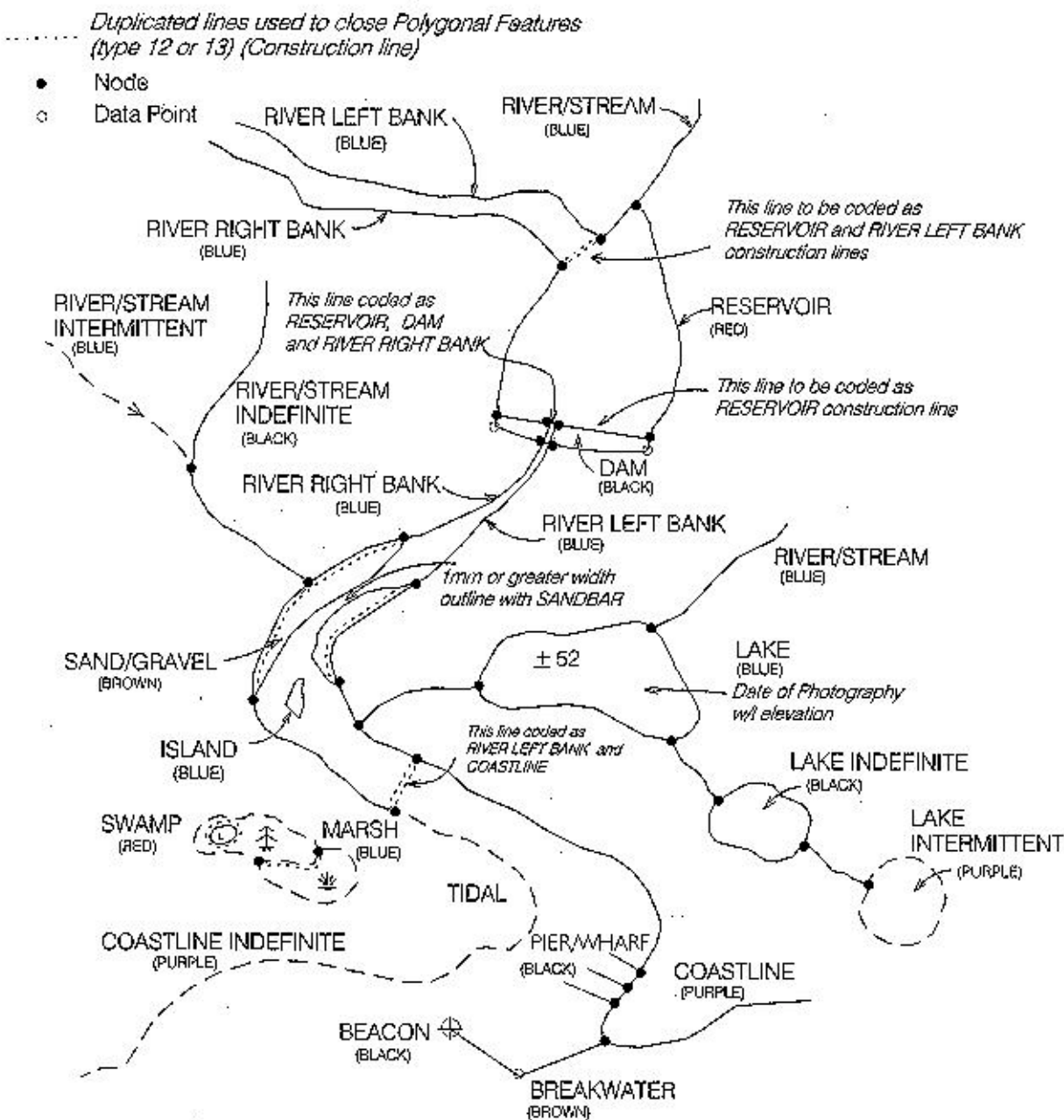


Figure II.2.1
Sample Diagram Illustrating Digitizing Conventions for Hydrographic and Related Features

2.3.3 Remarks - Hypsographic, Landform, and Related Features

Positional File

- (a) Map relief will be collected in the form of a Digital Elevation Model of sufficient quality and quantity to meet the accuracy standards as laid out in this manual.
- (b) Piles or areas under development will be outlined and labelled if they meet minimum size criteria. DEM data will not be collected and they will not be contoured. They will be treated as a DEM area of exclusion.
- (c) Active pits, open pit mines, and quarries will be outlined and labelled if they meet minimum size criteria. DEM data, excepting breaklines, will be collected, but they will not be contoured. They will be treated as a DEM area of exclusion.
- (d) Pits or quarries that are obviously abandoned will be collected in the DEM and contoured.

DEM points will be collected over swamps and marshes but not over lakes.
- (e) Unless specified otherwise, map relief will be shown by a 20 metre contour interval interpolated from Digital Elevation Model data using interpolation software approved by the Branch.
- (f) Depression contours are to be shown in both the Positional (POS) and the Representational (REP) files. Depressions falling on a sheet edge will continue to be shown as depressions if the DEM which extends beyond the map sheet boundary can confirm this.

Representational File

- (a) Notes following refer to the Representational file contours only. Contours supplied at Positional file stage are raw contours, supplied for Branch checking functions only. These are generated and annotated directly by the contouring program without further enhancement.
- (b) The turning point of contours that define drainage channels will be consistent in depicting the correct shape of the valley or ravine of the channel, and in reflecting the proper slope of the drain.
- (c) Index contours will be coded at every fifth contour beginning from zero based on mean sea level.
- (d) Intermediate contours are the contours between the index contours.
Indefinite contours (intermediate or index) are coded where the ground cannot be accurately interpreted, i.e. glaciers, icefield, shadow areas, and stereo dead zones (DEM spacing may be decreased to 50 metres if necessary).
- (e) Depression contours are coded to depict natural and man made depressions. Depression contours are to be shown in both the Positional and the Representational files. Depressions falling on a sheet edge will continue to be shown as depressions if the DEM which extends beyond the map sheet boundary can confirm this.
- (f) Contour values shall read Uphill. Contours shall be broken for the insertion of the numbers. Care will be taken to ensure that the map retains good cartographic legibility. Contour numbers shall be positioned in such a way as to produce a ladder like effect. The ladders will be positioned so that they do not conflict with drainage features. The maximum separation between these contour number ladders shall be 200 millimetres (at map scale). Every index contour will be labelled along each ladder subject to the following:
- Contour numbers will be placed so that they do not conflict with other detail. Detail will not be broken to accommodate contour numbers.
 - Where the separation between index contours is less than 5 millimetres (at map scale), only even numbered index contours shall be numbered.
 - Intermediate contours and isolations shall be numbered in flat areas to ensure positive identification.
- (g) Contour numbers generated by a contour interpolation package will be acceptable on the verification plot. Spot heights are required where generated contour lines do not adequately express the character of the terrain, (i.e. mountain peaks, islands, road intersections, cutline intersections, etc.).
- (h) Spot heights shall be displayed to the closest 0.10 metre.

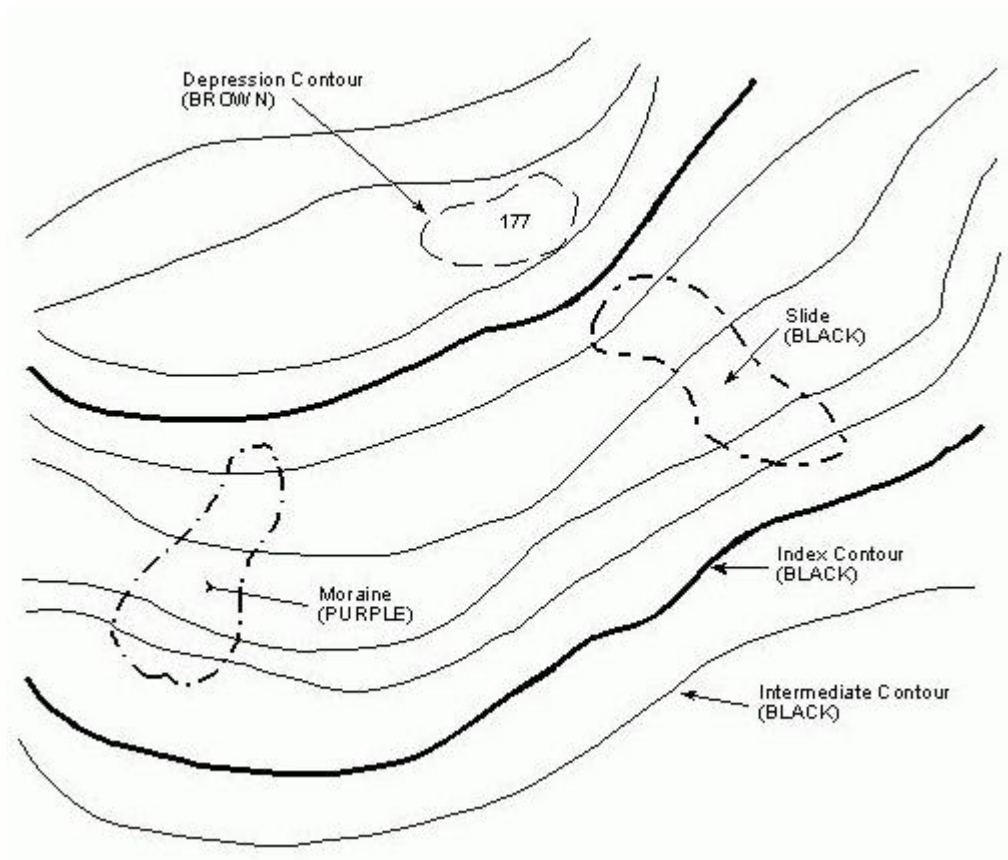


Figure II.2.2

Sample Diagram Illustrating Digitizing Conventions for Hypsographic, Landform, and Related Features.

2.3.4 Remarks - Land Cover and Related Features

- The intent is to show all areas of woodland. Areas that are evenly distributed with treed or cleared polygons may be grouped together if the treed or cleared polygon cover 6% of the total area in question.
- Particular care will be taken to show the true shape of clearings in extensive forested areas.
- Orchards, nurseries, and vineyards will be outlined and labelled.
- Where vegetation features and any other features are contiguous, the vegetation feature will not be shown in the Representational File. The vegetation polygon will be closed in the Positional file by exact numeric copy of the contiguous feature. The Right Hand rule must be adhered to.
- Tree lines along rights of way (ie. Roads, Transmission lines, etc.) will not be captured unless the rightofway is 2.5 millimetres or greater in width.
- Forestry cut blocks which do not show obvious signs of substantial regeneration (2 metres or more in height) will be shown as cleared areas.

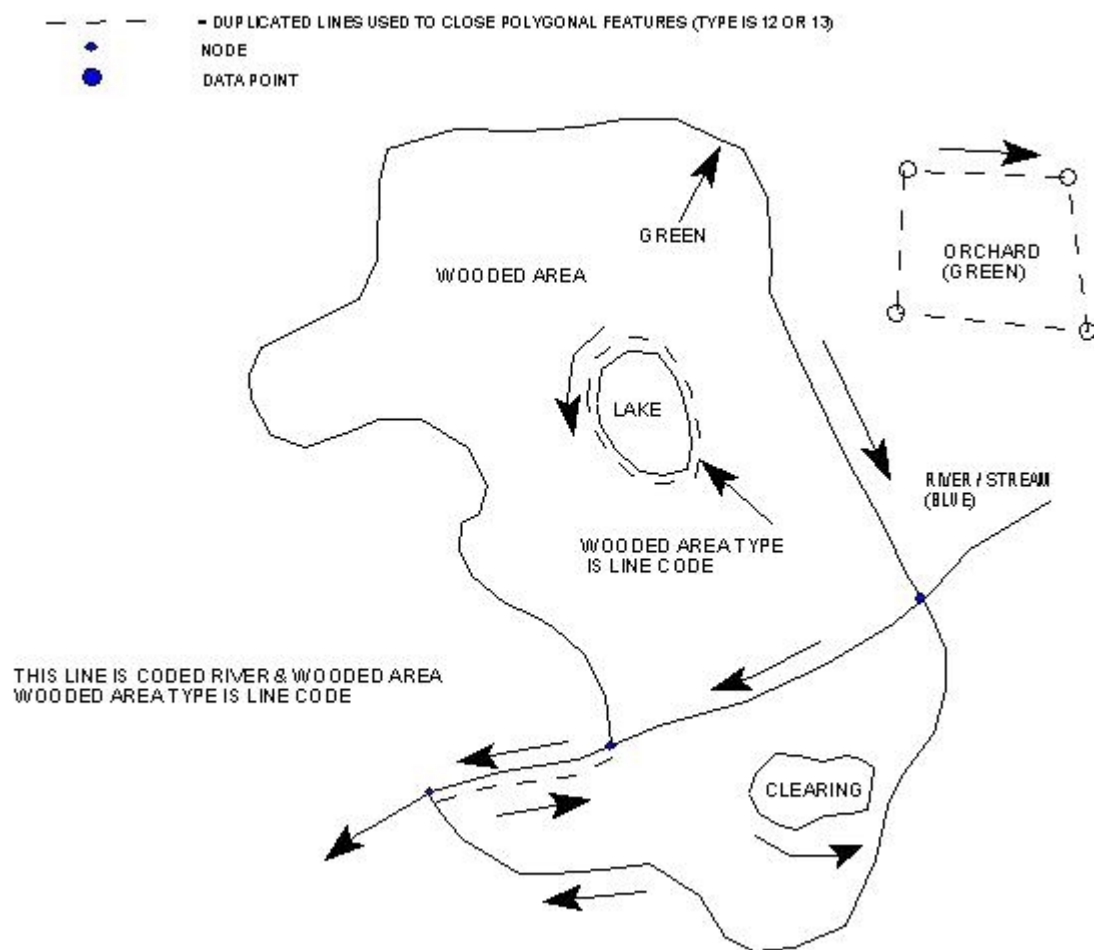


Figure II.2.3
Sample Diagram Illustrating Digitizing Conventions for Land Cover and Related Features.

2.3.5 Remarks - Landmark and Related Features

- All buildings will be captured. Buildings 2 square millimetres and under at map scale will be symbolized.
- Only major transmission lines and lines which are landmark features will be shown. Transmission line poles or pylons will be connected by a single line except through urban areas. Transmission lines parallel to roads in rural areas will have poles or pylons connected if the line is a minimum of 10 millimetres from the edge of the road, otherwise visible poles or pylons will be shown.
- Area outlines shall be captured as a set of connecting points along the perimeter of the feature.
- All areal features must be closed explicitly with right hand rule.
- The duplicate lines generated by closing features must be identical for processing MOEP format data. Only the highest in the representational display hierarchy will be coded as visible, all other duplicate lines will be coded as invisible (in the MOEP transfer format use the constructions feature types 12 and 13).
- Areal features need not be closed at map sheet boundaries, but where a feature meets a sheet edge, the node describing the end of that feature on the boundary must be numerically identical to the starting point of that feature on the adjoining sheet. This rule will apply to all features.
- Non-permanent features such as stockpiles, lumber, cranes, etc. will not be shown in areas identified by an area outline.
- Schools, religious buildings, hospitals and refinery buildings which are obvious landmark features shall be captured, even if they are within an area outline or built-up area.
- All public buildings shall be captured as identified during pre-interpretation of the photographs.
- Use the pier/wharf classification with the generic text "Sea Plane Base" to capture sea plane bases.
- The hierarchy of coincident designated areas will be alphabetic as listed in the specification.

Digital Baseline Mapping at 1:5 000 / 1:2 500

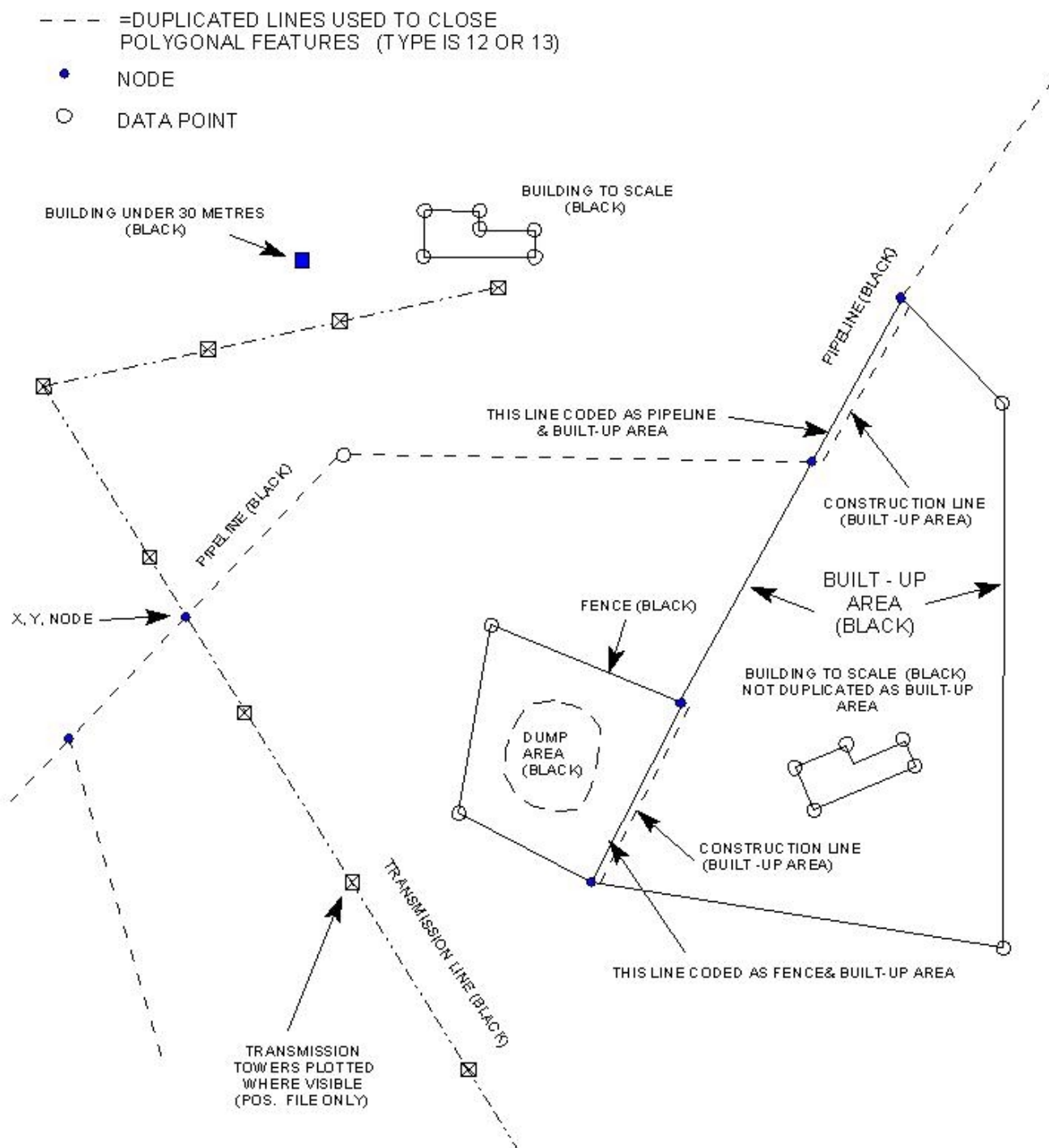


Figure II.2.4
Sample Diagram Illustrating Digitizing Conventions for Landmark and Related Features

2.3.6 Remarks - Text Features

Text information shall be positioned to ensure clarity of feature presentation on the final cartographic separations and to enhance clarity of feature recognition.

Text information shall be positioned in such a way that it does not conflict with any other map features.

Generic names only will be added at the data capture stage. All text used to clarify the verification plots will be placed in the non-positional file and will not appear in the positional file (i.e. Scree, Glacier).

Additional information concerning Toponymy is provided in the appendices.

2.3.7 Remarks - Transportation and Related Features

- The intention is to show all roads, access roads and railways. Rough roads, trails, cut lines, seismic lines, etc.
- All bridges, trestles, tunnels and snowsheds shall be captured to scale, regardless of size.
- Bridges, trestles, tunnels and snowsheds will be captured to scale as single lines defining the apparent centre line.
- Roads shall be captured as polygons utilizing the Right Hand rule.
- All double line roads or driveways will be shown open at junctions and closed off at the end of the feature.
- Driveways will always be shown to connect roads to parking areas. When a parking area shares a common boundary with a road, both edges of the road will be shown with the appropriate road symbol.
- If a road/driveway and a fence, wall, ditch, or hedge are too close to allow the drawing of both, then the road/driveway shall take precedence.
- Official Highway route numbers will be shown.
- All broken-line symbol roadways and trails will be joined to other features if possible by a full dash or at least one half dash.
- The Road.type"Intersection" feature is captured to scale for all intersections involving roads that are to be cartographically enhanced as double line features, as a construction line. The intersection shall be captured a minimum length of 2.0 millimetres down the road or of sufficient distance to identify any and all anomalies. The road shall be captured down the centre line of the intersection.

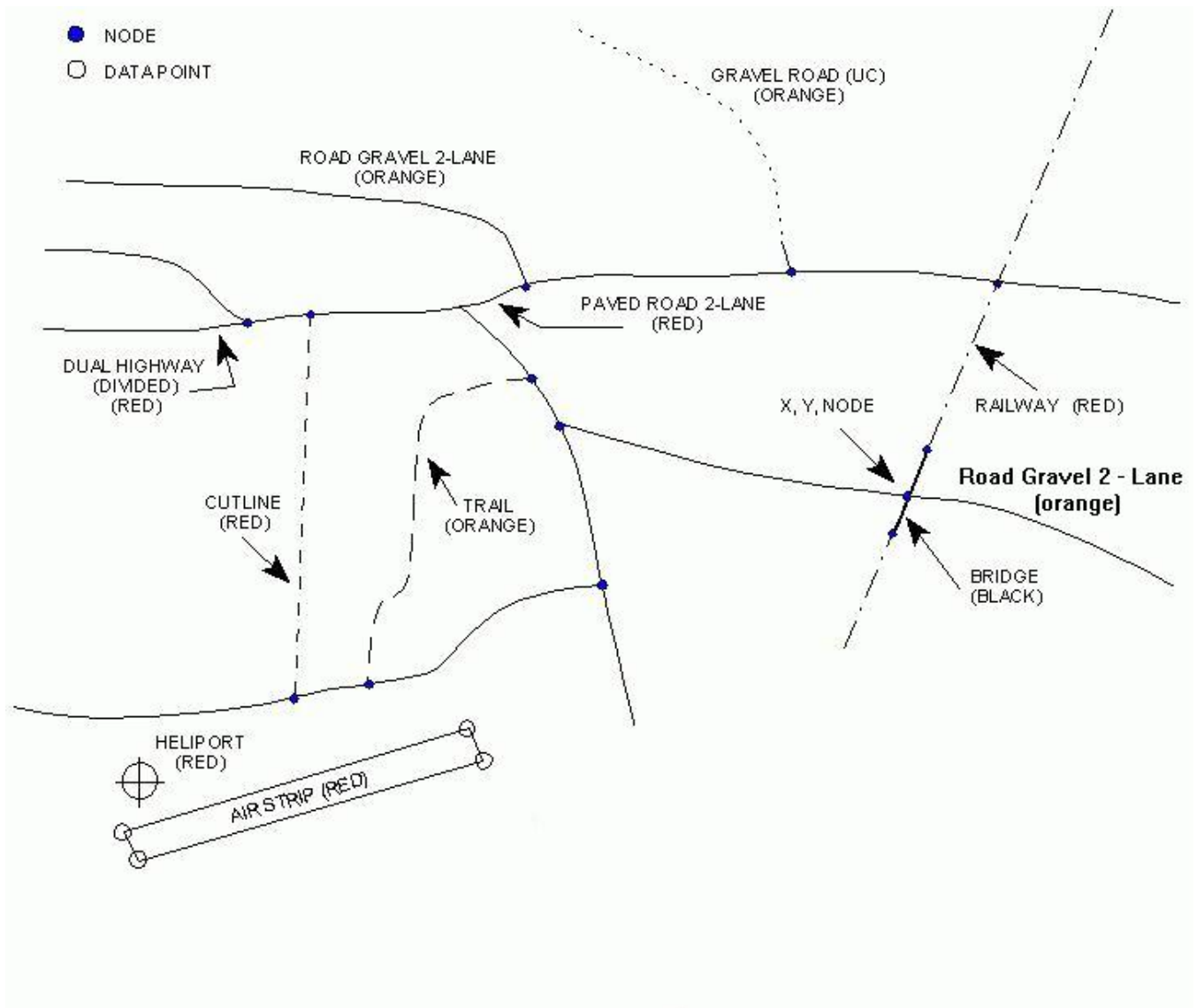


Figure II.2.5
Sample Diagram Illustrating Digitizing Conventions for Transportation and Related Features

2.4 - Detailed Specifications



Note that when features that occur in sequence alphabetically have the same verification plot, cartographic representation, and remarks, then the verification plot guidelines, cartographic representation guidelines, and remarks are only stated once.

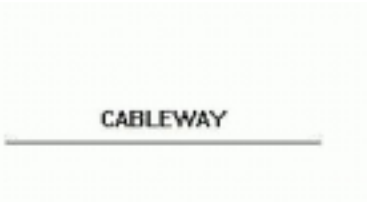

Note also that in some cases only one feature will appear on a page with the remainder blank. This does not imply any significance to that particular feature but is an artifact of the updating process.


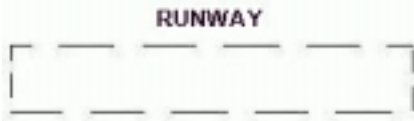
The text associated with features (not including symbols) should be 60/80/100 Leroy sizes equivalent to text sizes of 5.6 millimetres, 7.2 millimetres and 9.0 millimetres at map scale.


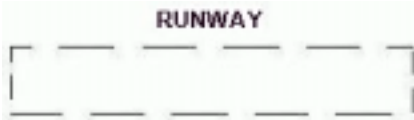
Detailed Specifications



A


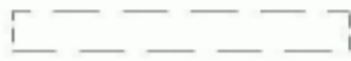
Subclass: AccessLane	DB00100000	02/03
<i>Definition:</i> A specially prepared route on land for the movement of vehicles from place to place. A private route not open to through traffic.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.20 mm width solid line 	
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">• Captured to scale if over 2.5 millimetres.• Symbolized if undre 2.5 millimetres		
DEM Y		


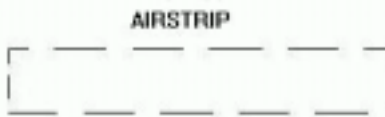
Subclass: AerialCableway	CQ00300000	02
Definition: A transportation device for freight or passangers consisting of a carrier and a cable supported by towers.		
Positional Verification	Cartographic Representation	
0.25mm width line	0.35mm width solid line	
		
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks:		
<ul style="list-style-type: none">• Captured to scale in the positional file.• Identification coded as Text.type"Transportation" in the non-positional file.		
DEM N		


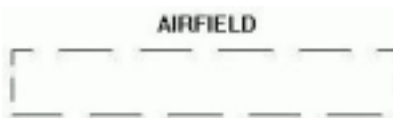
Subclass:AirFeature.type"Runway".status"Paved"		AQ25670110	02
Definition: A specially prepared paved surface for the landing and takeoff of airplanes.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width line 3.0mm length dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
• Place identification as Text.type"Transportation" in Non-Positional file.			
DEM N			

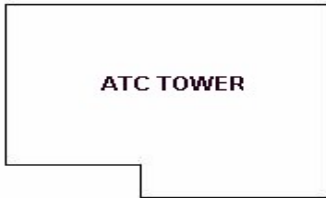

Subclass: AirFeature.type"Runway".status"Unpaved"		AQ25670120	02
Definition: A specially prepared paved surface for the landing and takeoff of airplanes			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width line 3.0mm length dash 1.5mm between dashes	
			
plot colour RED			
Remarks: <ul style="list-style-type: none">Place identification as Text.type"Transportation" in Non-Positional file.			
DEM N			



Subclass: Airfield	AQ00450000	02
<i>Definition:</i> A tract of land set apart for the arrival, departure, movement and servicing of aircraft. Airfields usually have defined legal limits and services offered are substantially less than at an airport.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.20mm width solid line 3.0mm length dash 1.5mm between dashes 	
plot colour RED	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• Identification coded as Text.type"Transportation" in the non-positional file.		
DEM N		

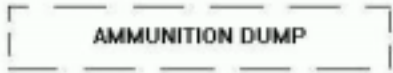
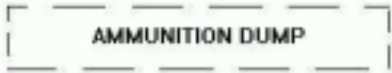
Subclass: Airport	AQ00500000	02 / 03
<i>Definition:</i> A tract of land set apart for the arrival, departure, movement, and servicing of aircraft; having paved and lighted runways, and operating a control tower.		
Positional Verification	Cartographic Representation	
0.20mm width solid line 3.0mm length dash 1.5mm between dashes 	0.20mm width solid line 3.0mm length dash 1.5mm between dashes 	
plot colour RED		
<i>Remarks:</i>		
DEM N		



Subclass: Airport.status"Abandoned"		AQ00550001	02 / 03
Definition: A tract of land set apart for the arrival, departure, movement and servicing of aircraft. Airfields usually have defined legal limits. Airstrips are single runways, usually of gravel construction. This feature is no longer maintained for aviation purposes.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.20mm width solid line 3.0mm length dash 1.5mm between dashes	
			
plot colour RED		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Identification coded as Text.type"Transportation" in the non-positional file.			
DEM N			



Subclass: Airstrip		AQ00550000	02
Definition: A tract of land, consisting of a single runway, usually of gravel construction, set apart for the arrival, departure and movement and servicing of aircraft.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.20mm width solid line 3.0mm length dash 1.5mm between dashes	
			
plot colour RED		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Identification coded as Text.type"Landmark" in the non-positional file.			
DEM N			



Subclass: AirTrafficControlTower	BQ31100000	02
<i>Definition:</i> A facility providing regulatory control of arrival, departure and movement of aircraft.		
Positional Verification	Cartographic Representation	
0.25m width line	0.20mm width line	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">• Place identification as Text.type"Landmark" in the positional file.		
DEM N		



Subclass: AmbulanceBuilding	BH12950000	02
<i>Definition:</i> A facility housing ambulance services.		
Positional Verification	Cartographic Representation	
0.25m width line	0.20mm width line	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">• Place identification as Text.type"Landmark" in the positional file.		
DEM N		


Subclass: AmmunitionDump	AJ00650000	02/03
<i>Definition:</i> A military installation used for the storage of explosives and other volatile materials, normally fenced and having a legal boundary.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 3.0mm length dash 1.5mm between dashes 	0.25mm width solid line 3.0mm length dash 1.5mm between dashes 	
plot colour BLACK	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• Identification coded as Text.type"Landmark" in the non-positional file		
DEM N		


Subclass: AmmunitionMagazine	CJ22300000	02 / 03
<i>Definition:</i> A military structure used for storage of explosive military materials.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• Identification coded as Text.type"Landmark" in the non-positional file		
DEM N		



Subclass:Antenna		CC00850000	01
Definition: A usually metallic device for radiating or receiving radio waves.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm square cross inside 		0.25mm width line 3.0mm square cross inside 	
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• Do not capture unless a free standing structure.• Minimum size 2 square millimetres.			
DEM N			

Subclass:			
Definition:			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• Identification coded as Text.type"Landmark" in the non-positional file			
DEM N			

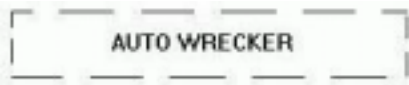
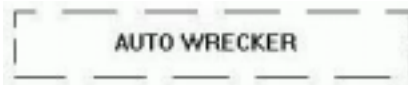
Subclass: Aquaduct	GA00950000	02
<i>Definition:</i> A conduit for carrying large volumes of water.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.20mm width solid line	
		
plot colour BLUE	MOEP font 31 U/C text	
<i>Remarks:</i>		
DEM N		

Subclass: Area of Exclusion	HC900000000	02/03
<i>Definition:</i> An area outline in the DEM within which contours will not be interpolated.		
Positional Verification	Cartographic Representation	
approx. 0.5mm dots centre to centre - 1.5mm  plot colour RED	NOT SHOWN	
<i>Remarks:</i> <ul style="list-style-type: none">• Area exempt from contour interpolation• Not included in the cartographic representational file.		
DEM Y		



Subclass: AreaofIndefiniteContours	HC90000100	02/03
<i>Definition:</i> An area in the DEM which is outlined in such a manner that contours which are interpolated within its boundary will be depicted as indefinite.		
Positional Verification	Cartographic Representation	
approx. 0.5mm dots centre to centre - 1.5mm  plot colour RED	NOT SHOWN	
<i>Remarks:</i> <ul style="list-style-type: none">• Not included in the cartographic representational file.		
DEM Y		



Subclass:AreaUnderDevelopment	AS90000100	02 / 03
Definition: An area of construction activities taking place at the time of data collection.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.00mm dash 1.5mm space 	0.20mm width line 3.00mm dash 1.5mm space 	
plot colour BLACK	MOEP font 31 U/C text	
Remarks: • Place identification as Text.type"LandMark" in the non-positional file.		
DEM N		



Subclass: Arrowhead	GE90200110	01
Definition: Hydrographic directional symbol		
Positional Verification	Cartographic Representation	
0.25mm width solid line each leg of arrowhead 1.5mm in length 45° Angle <div>></div> plot colour BLUE	0.25mm width solid line each leg of arrowhead 1.5mm in length 45° Angle <div>></div>	
Remarks: <ul style="list-style-type: none">• For clarification, the arrowhead is to be placed where split streams occur (on the lesser stream).• Although depicted on the varification plot this feature is not included in the positional data file• Capture in the non-positional file		
DEM N		



Subclass: AutoWrecker	AB33850110	02/03
Definition: An area set aside for the disposal of recycling of derelict automobiles.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.9mm dash 1.5mm between dashes 	0.25mm width line 3.9mm dash 1.5mm between dashes 	
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• 1 hectare minimum• Capture to scale in the positionnal file• Identification coded as Text.type"Landmark" in the non-positional file		
DEM N		



B



Subclass: Backstop	DD29650000	02
<i>Definition:</i> A feature defining the end of a travelled roadway.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 5.0mm line 	0.20mm width solid line 5.0mm line 	
plot colour BLACK		
<i>Remarks:</i>		
DEM N		

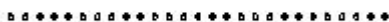
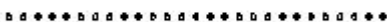
Subclass: Barn		BA01450000	02
Definition: A large utility building on a farm complex.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			



Subclass: Barrier		CR01600000	02
Definition: An object or set of objects that separates, demarcates, or serves as a barricade..			
Positional Verification		Cartographic Representation	
<div>0.25mm width solid line</div> <div>5.0mm line</div> <div></div> <div>plot colour BLACK</div>		<div>0.25mm width solid line</div> <div>5.0mm line</div> <div></div>	
Remarks:			
DEM N			



Subclass: Beach		GE01800000	02 / 03
Definition: A shore of an ocean, lake or bank of a river covered by sand, gravel or large rock framents.			
Positional Verification		Cartographic Representation	
<p>0.25mm width solid line 3.0mm dash 1.5mm space</p>  <p>plot colour BLACK</p>		<p>0.20mm width solid line 3.0mm dash 1.5mm space 0.25mm random dot</p>  <p>MOEP font 31 U/C text</p>	
Remarks:			
<ul style="list-style-type: none">• Beach of an ocean is above highwater.• See forshore flats for below high water mark.• See also coastline.• Place identification as Text.type"LandForm" in the non-positional file.			
DEM N			



Subclass: Beacon		CQ01850000	01
Definition: A non-lighted structure erected near a shore to guide mariners.			
Positional Verification		Cartographic Representation	
0.20mm width line 1.0mm radius open circle 1.5mm cross 		0.25mm width line 1.0mm radius circle lower left quadrant filled upper right quadrant filled 	
plot colour BLACK			
Remarks:			
DEM N			



Subclass: BeaverDam		GA08450110	02/03
Definition: A dam of logs, branches, twigs and mud constructed by beavers.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line 0.20mm width cross line 1.0mm cross	
			
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">• Capture at the lake level• Minimum length 2.0 millimetres• Line is upstream• Low side right side			
DEM N			


Subclass: BikePath		DC31850110	02/03
Definition: A specially prepared route on land for the movement of bicycles.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.5mm between dots		0.25mm width solid line 1.5mm between dots	
			
plot colour BLACK			
Remarks:			
DEM Y			


Subclass: Billboard		CB01950000	02
Definition: A large panel designed to carry advertising.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">• Minimum length 2.0 millimetres• Place identification as text.type"LandMark" in the non-positional file.			
DEM N			


Subclass: BirdSanctuary		AD25800110	02/03
Definition: A refuge for wild birds where predators are controlled and hunting prohibited..			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 1.5mm space between dashes		0.20mm width solid line 3.0mm dash 1.5mm space between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			


Subclass: Bleachers		CL02050000	02
Definition: Typically an uncovered stand of tiered planks providing seating space for spectators.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK			
Remarks:			
DEM N			


Subclass: BoundaryMonument	FB18500000	01
Definition: A structure, usually of concrete, containing a survey monument.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 1.0mm open circle 	1.0mm filled circle 	
plot colour BLACK		
Remarks:		
DEM N		


Subclass: Boundary.type"International"	FA026500000	02
Definition: A line defining the limits of a sovereign state.		
Positional Verification	Cartographic Representation	
0.25mm width solid line NOT SHOWN	0.20mm width solid line  2.0mm from dot centre to dash end 2.0mm from dot centre to dot centre	
Remarks:		
DEM N		


Subclass: Boundary.type"Provincial"	FA02700000	02
<i>Definition:</i> A line defining the limits of a province.		
Positional Verification	Cartographic Representation	
0.25mm width solid line NOT SHOWN	0.20mm width solid line  2.0mm from dot centre to dash end 2.0mm from dot centre to dot centre	
<i>Remarks:</i>		
DEM N		

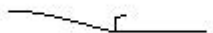

Subclass: BreakLine.type"Hydrographic"		HA90200130	02/03
Definition: Natural hydrographic breaklines such as rivers			
Positional Verification		Cartographic Representation	
0.25mm width solid line  plot colour BLACK		NOT SHOWN	
Remarks:			
DEM Y			

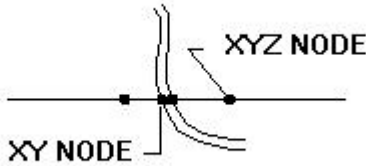
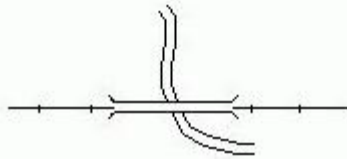
Subclass: BreakLine.type"Hypsographic"		HA90200120	02/03
Definition: Natural non-hydrographic breaklines such as cliffs			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
			
plot colour BLACK			
Remarks:			
DEM Y			



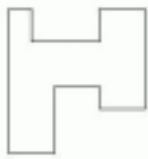

Subclass: BreakLine.type"Round"		HA90200110	02/03
Definition: A rounded breakline causes a smoother but still well defined deflection to the interpolated contour			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
			
plot colour BROWN			
Remarks:			
DEM Y			



Subclass: BreakLine.type"Sharp"		HA90200000	02/03
Definition: A sharp breakline causes a definite pointed character to the interpolated contour			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
			
plot colour BLACK			
Remarks:			
DEM Y			



Subclass: BreakLine.type"Transportation&OtherManMade"		HA90200140	02/03
Definition:Man madebreaklines in the topography such as roads and railways.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
			
plot colour BLACK			
Remarks:			
DEM Y			



Subclass: Breakwater		GE03050110	02/03
Definition: A structure for breaking the force of waves to protect a beach, harbour, or other waterfront facility			
Positional Verification		Cartographic Representation	
0.35mm width line		0.35mm width solid line	
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• Breakwaters are usually built parallel to the shoreline while groynes are built at right angles to it.• Capture to scale of over 1 millimetre in width. Minimum length 5 millimetres.			
DEM Y			



Subclass: Bridge		DD93250000	02 / 03
Definition: A structure erected along a travelled route to span a depression or obstacle			
Positional Verification		Cartographic Representation	
0.25mm width solid line		BRIDGE DECK 1.6mm minimum width 0.8mm wide 0.35mm width solid line	
			
plot colour BLACK		LINE TERMINATOR 0.7mm length 0.35mm line width 45° angle	
Remarks:			
<ul style="list-style-type: none">• Capture to scale• Capture width as type 05			
DEM N			

Subclass: Building		(to scale)	BR90000000	02
		(symbolized)	BR90000110	01
Definition: A generic term for any permanent walled and roofed construction				
Positional Verification		Cartographic Representation		
TO SCALE 0.25mm width solid line	SYMBOLIZED 0.25mm width line 0.8mm open square	TO SCALE 0.25mm width solid line	SYMBOLIZED 0.25mm width line 0.8mm filled square	
				
plot colour BLACK		MOEP font 31 UPPER CASE text		
Remarks:				
<ul style="list-style-type: none"> • Capture as a point feature when the longest side is under 2 millimetres. • Place identification as Test.type"LandMark" in the non-positional file. 				
DEM N				



Subclass: Building.type"Religious"		BM03350000	02
Definition:Church, Mosque, Synagogue, Temple or other building used for religious worship.			
Positional Verification		Cartographic Representation	
0.25mm width solid line			
			
plot colour BLACK MOEP font 31 U/C text		plot colour BLACK MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark " in the non-positional file			
DEM N			


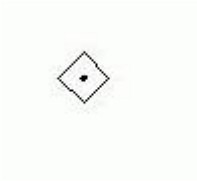
Subclass: Buoy	CQ23450100	01
<i>Definition:</i> A floating aid to navigation, classified as a transportation structure.		
Positional Verification	Cartographic Representation	
0.20mm width solid line 1.0mm radius open circle 3.0mm vertical cross  plot colour BLACK	0.25mm width solid line 1.0mm radius open circle lower left quadrant filled upper right quadrant filled 	
<i>Remarks:</i>		
DEM N		

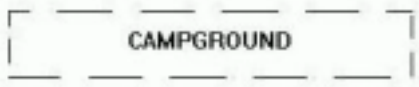
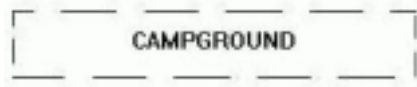
Subclass: Burner	CG03550000	01
<i>Definition:</i> A permanent structure used for the disposal of waste wood products by burning		
Positional Verification	Cartographic Representation	
0.25mm width solid line 1.0mm radius open circle  plot colour BLACK MOEP font 31 UPPER CASE text	0.25mm width solid line 1.0mm radius open circle 	
<i>Remarks:</i> <ul style="list-style-type: none">• Identification coded as Text.type"LandMark" in the non-positional file		
DEM N		



Subclass: Butts		CJ03660000	02 / 03
Definition: An earthen structure built behind the target of a rifle or archery range etc. to stop projectiles.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes <div></div> plot colour BLACK		0.25mm width line 3.0mm dash 1.5mm between dashes <div></div> MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Identification coded as Text.type"LandMark" in the non-positional file			
DEM Y			



C



Subclass: Cable.type"Insulated"		EA03800000	02
Definition: An insulated wire used for conducting an electrical current, e.g., television, telephone, or submarine telegraph or telephone			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.20mm width solid line 5.0mm dash 1.0mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• 25 millimetres minimum• ADD "POSITION APPROXIMATE" for submarine or other burried cables.• Place identification coded as Text.type"Landmark" in the non-positional file			
DEM N			

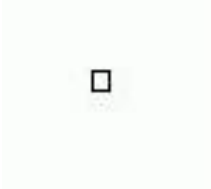
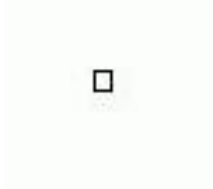
Subclass: CadastralPoint.status"PermanentlyMarked"		FD90500000	01
Definition: A marked point, surveyed or derived, of known geographic coordinates.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line 2.0mm line length each side of diamond 0.25mm diameter dot	
			
plot colour BLACK			
Remarks:			
DEM N			



Subclass: CampgroundCampsite		AL03900000	02/03
Definition: A parcel or tract of land developed for tents and/or trailers to serve as temporary residences for the public.			
Positional Verification		Cartographic Representation	
0.35mm width line 3.0mm dash 1.5mm between dashes 		0.35mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Identification coded as Text.type "Landmark" in the non-positional file			
DEM N			

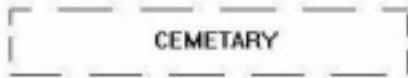
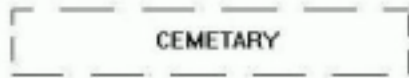
Subclass: Canal		GA03950000	02/03
Definition: An artificial inland watercourse, larger than a ditch, used: a) to serve as a navigable waterway, b) to serve as a water supply in arid areas.			
Positional Verification		Cartographic Representation	
0.35mm width solid line  plot colour BLUE		0.35mm width solid line 	
Remarks: <ul style="list-style-type: none">• Maximun width 2.5 millimetres. Line is captured at the centreline of the feature.• If over 2.5 millimetres in width capture as Canal.type"LeftBank" or Canal.type"RightBank"			
DEM Y			



Subclass: Canal.type"LeftBank"		GA90001110	02/03
Definition: an artificial inland watercourse, larger than a ditch, used: a) to serve as a navigable waterway, b) to serve as a water supply in arid areas. Flowing in a downhill direction the water exists to the right of the left bank.			
Positional Verification		Cartographic Representation	
0.35mm width solid line		0.35mm width solid line	
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• Down Stream Rule.• Minimum width 2.5 millimetres.			
DEM Y			



Subclass: Canal.type"RightBank"		GA90001120	02/03
Definition: an artificial inland watercourse, larger than a ditch, used: a) to serve as a navigable waterway, b) to serve as a water supply in arid areas. Flowing in a downhill direction the water exists to the left of the right bank.			
Positional Verification		Cartographic Representation	
0.35mm width solid line		0.35mm width solid line	
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• Down Stream Rule.• Miimum width 2.5 millimetres.			
DEM N			



Subclass: CatchBasin	EA04300000	02
Definition: A burial place or burial ground		
Positional Verification	Cartographic Representation	
0.25mm width line	0.35mm width solid line	
		
plot colour BLACK		
Remarks:		
DEM N		



Subclass: Cave	HB04600000	01
Definition: A burial place or burial ground		
Positional Verification	Cartographic Representation	
0.25mm width line 4.0mm length 90° angle 1.0mm ticks 	0.25mm width solid line 4.0mm length 90° angle 1.0mm ticks 	
plot colour ORANGE		
Remarks:		
DEM N		



Subclass: Cemetary	AM04560000	02/03
Definition: A burial place or burial ground		
Positional Verification	Cartographic Representation	
0.25mm width line	0.35mm width solid line	
		
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" on the non-positional file.		
DEM N		



Subclass: Channel	GA05200000	02/03
<i>Definition:</i> The part of a river containing water at time of photography, below the high water mark.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.35mm width solid line	
		
plot colour BLUE		
<i>Remarks:</i> <ul style="list-style-type: none">• This is utilized when the high water mark of the river is classified as a double line river. See also River/Stream.type"LeftBank" and "RightBank". Minimum width between channel banks is 2.5 millimetres.		
DEM N		



Subclass: Channel.type"LeftBank"	GA95200120	02/03
Definition: The part of a river containing water at time of photography, below the high water mark. A definite watercourse of sufficient width to deliniate separate banks. "LeftBank" indicates the left shoreline heading downstream.		
Positional Verification	Cartographic Representation	
0.25mm width line	0.35mm width solid line	
		
plot colour BLUE		
Remarks: <ul style="list-style-type: none">• This is utilized when the high water mark of the river is classified as a double line river. See also River/Stream.type"LeftBank" and "RightBank". Minimum width between channel banks is 2.5 millimetres.		
DEM N		

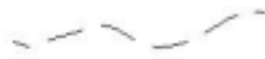

Subclass: Channel.type"RightBank"	GA95200110	02/03
<i>Definition:</i> The part of a river containing water at time of photography, below the high water mark. A definite watercourse of sufficient width to deliniate separate banks. "ReftBank" indicates the left shoreline heading downstream.		
Positional Verification	Cartographic Representation	
0.25mm width line	0.35mm width solid line	
		
plot colour BLUE		
<i>Remarks:</i> <ul style="list-style-type: none">• This is utilized when the high water mark of the river is classified as a double line river. See also River/Stream.type"LeftBank" and "RightBank". Minimum width between channel banks is 2.5 millimetres.		
DEM N		



Subclass: ChannelMarker	CG23450000	01
<i>Definition:</i> A fixed aid to navigation, usually mounted on a pileing or dolphin, classified as a transportation structure.		
Positional Verification	Cartographic Representation	
0.25mm width line	0.35mm width solid line	
		
plot colour BLUE		
<i>Remarks:</i>		
DEM N		





Subclass: CityHall		BF05550000	02
Definition: The chief administration building of a city.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.35mm width solid line	
			
plot colour BLACK MOEP font 31 U/C text		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			



Subclass: Cliff/Scarp		HB05650000	02 / 03
Definition: 1) A cliff is a perpendicular or nearly perpendicular rock face 2) A scarp is a line of cliffs			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line variable tick length 1.5mm between ticks	
 CLIFF/SCARP		 CLIFF / SCARP	
plot colour PURPLE		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Place identification coded as Text.type"Landform" in the non-positional file			
DEM Y			



Subclass: Coastline		GG05800000	02 / 03
Geometric representation Qualifier: Definite			
Definition: The shoreline of an ocean at high water mark.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour PURPLE			
Remarks:			
<ul style="list-style-type: none">• Right Hand Rule, land to the right.• Tidal high water mark that is visible on the aerial photography			
DEM Y			



Subclass: Coastline Geometric representation Qualifier: Indefinite		GG05800130	02 / 03
Definition: The shoreline of an ocean at high water mark.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 1.5mm between dashes		0.35mm width solid line 20.mm dash 1.0mm between dashes	
			
plot colour PURPLE			
Remarks:			
<ul style="list-style-type: none">• Right Hand Rule, land to the right.• Tidal high water mark that is obscured on the aerial photography			
DEM Y			


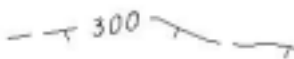
Subclass: College		BE05900000	02
Definition: An institution for post-secondary instruction in a professional, vocational, or technical field.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK MOEP font 31 UPPER CASE text		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Place identification as Text.type"Landmark" in the non-positional file.			
DEM N			


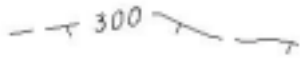
Subclass: CommunicationsBuilding (to scale)		BC99250000	02
(symbolized)		BC29250000	01
Definition: An enclosure that houses electronic equipment used in telecommunications..			
Positional Verification		Cartographic Representation	
TO SCALE 0.25mm width solid line	SYMBOLIZED 0.8mm open square	TO SCALE 0.25mm width solid line	SYMBOLIZED 0.8mm filled square
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none"> Place identification as Text.type"LandMark" in the non-positional file. 			
DEM N			

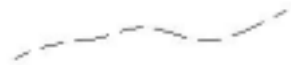

Subclass: CommunityCentre		BL13100130	02
Definition: A large building used for public activities.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Place identification as Text.type"Landmark" in the non-positional file.			
DEM N			



Subclass: ConservationArea		AD25800000	02 / 03
Definition: A tract of land set aside from development for the preservation or protection of some natural resource or species.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 		0.25mm width solid line 	
plot colour BLACK MOEP font 31 UPPER CASE text		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Place identification as Text.type"Landmark" in the non-positional file.			
DEM N			



Subclass: Contour.type"Index"		HA90000000	03
<i>Definition:</i> A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.35mm width solid line	
			
plot colour BLACK		MOEP font 32 (sloped) text	
<i>Remarks:</i> <ul style="list-style-type: none">• Identification coded as Text.type"HypsographicContourNumbers" in the representational file			
DEM N			

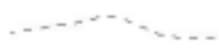

Subclass: Contour.type"Index".option:Depression"		HA90000130	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours. This is a closed contour around a depression from which ther is no surface drainage.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mmdash 1.0mm between dashes 		0.25mm width solid line 1.0mm tick 10.0mm between ticks 	
plot colour BLACK		MOEP font 32 (sloped) text	
Remarks:			
<ul style="list-style-type: none">Minimum two ticksPlace identification as Text.type"HypsographicContourNumbers" in the representational file.			
DEM N			



Subclass: Contour.type"Index".option:"DepressionIndefinite"		HA90000140	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes 		0.25mm width solid line 1.0mm tick 10.0mm between ticks 1.0mm between dashes 	
plot colour BLACK		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Minimum two ticks• Place identification as Text.type"HypsographicContourNumbers" in the representational file.			
DEM N			



Subclass: Contour.type"Index".option:"Indefinite"		HA90000110	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 20.0mm dash 10.0mm between dashes	
			
plot colour BLACK		MOEP font 32 (sloped) text	
Remarks:			
• Place identification as Text.type"HypsographicContourNumbers" in the representational file			
DEM N			


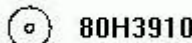
Subclass: Contour.type"Intermediate"		HA90001000	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BROWN			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type "Hypsographic" in the Representational file.			
DEM N			

Subclass: Contour.type"Intermediate".option:"Depression"		HA90001130	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mm dash 1.0mm between dashes		0.20mm width solid line 1.0mm tick 10.0mm between ticks	
			
plot colour BROWN			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type “Hypsographic” in the Representational file.			
DEM N			



Subclass: Contour.type"Intermediate".option:"DepressionIndefinite"		HA90001140	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes		0.20mm width solid line 1.0mm tick 10.0mm between ticks 20.0mm dash	
			
plot colour BROWN		1.0mm between dashes	
Remarks:			
<ul style="list-style-type: none">• Minimum two ticks.• Place identification as Text.type "Hypsographic" in the Representstional file.			
DEM N			



Subclass: Contour.type"Intermediate".option:"Indefinite"		HA90001110	03
Definition: A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.20mm width solid line 20.0mm between ticks 1.0mm between dashes	
			
plot colour BROWN			
Remarks:			
<ul style="list-style-type: none">Place Identification as Text.type "Hypsographic" in the Representational file.Generated in the raw contour file			
DEM N			



Subclass: ControlPoint.type"Horizontal".status"PermanentlyMarked"		FB18450000	01
Definition: A surveyed and marked point of known latitudes and longitude. (may include elevation)			
Positional Verification		Cartographic Representation	
0.25mm width line Triangle 4.0mm on each side 0.5mm dot in centre  97H2710		0.25mm width line Triangle 2.0mm on each side 0.5mm dot in centre  79H2710	
plot colour BLACK			
1.8mm MOEP font 31 UPPER CASE text		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification coded as Text.type"AerialTriangulation" in the non-positional file.			
DEM N			





Subclass: ControlPoint.type"Vertical".status"PermanentlyMarked"		FB18650000	01
Definition: A surveyed and marked point of known elevation.			
Positional Verification		Cartographic Representation	
0.25mm width line 2.5mm diameter open circle 0.5mm dot  plot colour BLACK 1.5mm MOEP font 31 text		0.25mm width line 2.5mm diameter open circle 0.5mm dot  1.5mm MOEP font 31 text	
Remarks: <ul style="list-style-type: none">Place identification coded as Text.type"AerialTriangulation" in the non-positional file.			
DEM N			



Subclass:Conveyor		CQ06400000	02
Definition: A mechanical apparatus used to carry materials by means of a moving belt.			
Positional Verification		Cartographic Representation	
0.25mm width solidline		0.35mm width solid line	
<div>Conveyor</div>		<div>Conveyor</div>	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<div><div><div></div><div></div></div><div><ul style="list-style-type: none">Minimum length 20 millimetres.Place identification coded as Text.type"Landmark" in the non-positional file</div></div>			
DEM N			



Subclass: Courthouse	BF07550000	02
Definition: A building in which courts of law are regularly convened.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK		
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.		
DEM N		

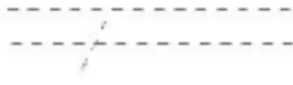
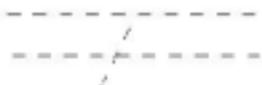
Subclass: Courtyard	AL90100000	02
Definition: A building in which courts of law are regularly convened.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK		
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.		
DEM N		

Subclass: Crane.type"Permanent"		CG07600000	01
Definition: A fixed mechanical device used to lift heavy objects			
Positional Verification		Cartographic Representation	
0.25mm width line 0.8mm open square 		0.25mm width solid line 0.8mm filled square 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: • Capture as a point feature in the positional file			
DEM N			

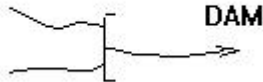
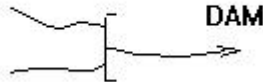
Subclass: Culvert		(to scale)	DD08500000	02
		(symbolized)	DD08500100	01
Definition: A transverse drain under a road or track.				
Positional Verification			Cartographic Representation	
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED	
0.25mm width solid line	0.25mm width solid line 1.0mm on each end leg	0.25mm width solid line	0.25mm width solid line 1.0mm on each end leg	
				
plot colour BLACK				
Remarks:				
<ul style="list-style-type: none"> Symbol not to touch transportation feature. 				
DEM N				

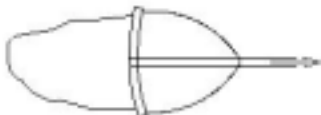
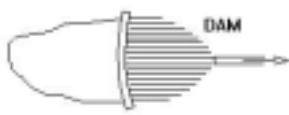
Subclass: CustomsOffice		BF01850000	02
Definition: A structure near or at an international boundary where travellers are inspected.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			

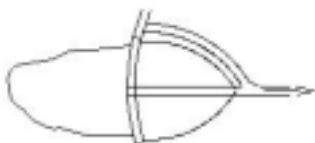

Subclass: CutEarthwork		DD08350000	02/03
Definition: A surface excavation made so that a uniform grade can be maintained on a road or railway.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 		0.20mm width solid line 1.25mm ticks 1.5mm between ticks 	
plot colour BROWN			
Remarks: <ul style="list-style-type: none">• 2 millimetres minimum. This feature is not a closed polygon.• Line – high side. Ticks – low side (right side)			
DEM Y			

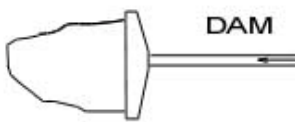
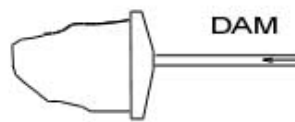
Subclass: CutLineSeismicLine		JA08400000	02/03
Definition: A line cut through a forest area to facilitate a cadastral or seismic survey or to create a firebreak			
Positional Verification		Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes 		0.25mm width solid line 2.0mm dash 1.0mm between dashes 	
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• 10 millimetre minimum length.			
DEM N			

D

Subclass: Dam (symbolized)		GA98450000	01
Definition: A barrier built across a watercourse or waterbody to control the water flow.			
Positional Verification		Cartographic Representation	
0.20mm width solid line		0.20mm width solid line	
			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Place identification coded as Text.type"Hydrographic" in the non-positional file			
DEM Y			

Subclass: DamSection "Base"		GA98450100	02/03
Definition: A barrier built across watercourse or waterbody to control water flow. The base is the lower part, bottom, or foundation of the dam.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Major dams only• Capture dam base when visible• Capture as closed polygon in the positional file• Include the coincident lake construction line in the DEM as a primary hydrographic breakline• Place identification coded as Text.type"Hydrographic" in the non-positional file			
DEM N			

Subclass:Dam.section"Spillway/Penstock"		GA28550000	02/03
Definition: A barrier built across watercourse or waterbody to control water flow. A spillway is a passage allowing surplus water to run over or around an obstruction such as a dam. A penstock is a conduit that carries water to the turbine in a power generating station.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.50mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• 5 millimetre minimum length• If under 2 millimetres in width capture as single line.• If over 2 millimetres. in width capture as closed polygon.• Identification coded as Text.type"Hydrographic" in the non-positional file			
DEM N			

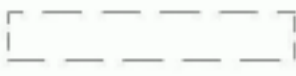
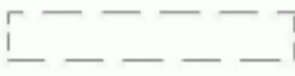
Subclass: Dam.section "Top"		GA08450000	02/03
<i>Definition:</i> A barrier built across watercourse or waterbody to control water flow. When captured to scale, the area located at the top of the dam.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.50mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• 100m. length minimum closed polygon captured in the positional file• see Part II 2.3.2 Additional Remarks - Hydrographic and Related Features• Identification coded as Text.type "Hydrographic" in the non-positional file			
DEM N			



Subclass: DEMPoint.type"Definite"		HA90100000	01
Definition: A point collected photogrammetrically from a stationary measuring device and captured specifically to represent the topographic surface shape in explicit x, y and z values.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
^			
plot colour BLACK			
Remarks:			
DEM Y			

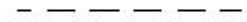
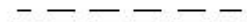
Subclass: DEMPoint.type"DefiniteDerived"		HA90100300	01
Definition: A point derived from contours collected photogrammetrically and captured specifically to represent the topographic surface shape in explicit x,y and z values.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
^			
plot colour Brown			
Remarks:			
DEM Y			

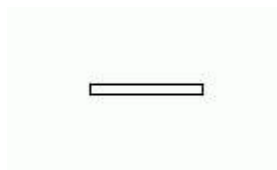
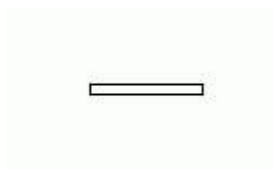
Subclass: DEMPoint.type"Indefinite"		HA90100110	01
<i>Definition:</i> A point that is collected photogrammetrically from a stationary measuring device and captured specifically to represent the topographic surface shape in explicit x, y and z values. It is used in areas where the surface is obscured by ground cover, or photogrammetric anomalies such as :stereo dead" areas or "sunspots".			
Positional Verification		Cartographic Representation	
0.25mm width solid line		<div>NOT SHOWN</div>	
<div>^</div>			
plot colour ORANGE			
Remarks:			
DEM Y			



Subclass: DEMPoint.type"IndefiniteDerived"		HA90100310	01
<i>Definition:</i> A point derived from contours collected photogrammetrically and captured specifically to represent the topographic surface shape in explicit x,y and z values. It is used in areas where the surface is obscured by ground cover, or photogrammetric anomalies such as “stereo dead” areas, shadows or “sunspots”.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		NOT SHOWN	
^			
plot colour PURPLE			
<i>Remarks:</i>			
DEM Y			



Subclass: DesignatedArea		AS90000000	02/03
Definition: An area dedicated to a particular use or purpose.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Place identification coded as Text.type"Landmark" in the non-positional file			
DEM N			

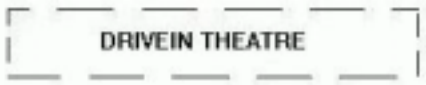
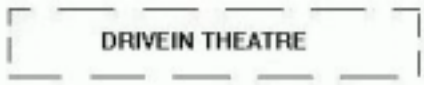
Subclass: Ditch		GA08800110	02/03
Definition: A man-made trench in the earth used for drainage or irrigation.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLUE			
Remarks:			
DEM Y			

Subclass: Ditch.Indefinite		GA08800130	02/03
Definition: A man-made trench in the earth used for drainage or irrigation (Indefinite).			
Positional Verification		Cartographic Representation	
0.25mm width dashed line		0.25mm width dashed line	
			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Created on December 05, 2000 for Debbie Narvers Project 86-172(2000)/14			
DEM Y			


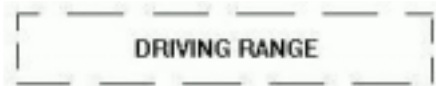
Subclass: Dock		CQ08850000	02/03
Definition: A place for the loading and unloading of materials.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK			
Remarks:			
DEM N			

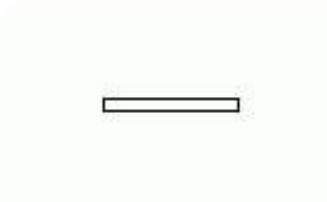
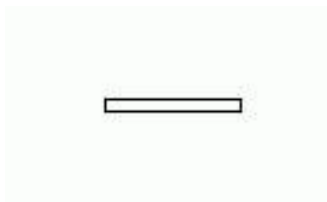
Subclass: Dock/Marina		CQ08850160	02/03
Definition: A marina is a complex for mooring and servicing pleasure boats.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 1.5mm between dashes		0.25mm width solid line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			

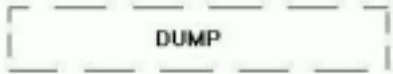
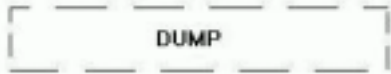
Subclass: Dockyard		AG90100000	02/03
Definition: A specially prepared area where ships or boats are built or repaired..			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			

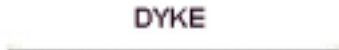
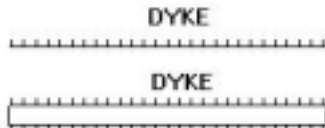
Subclass: DriveinTheatre		AL09000000	02/03
Definition: An open air facility which allows patrons to view motion pictures while seated in vehicles			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
3.0mm dash		3.0mm dash	
1.5mm between dashes		1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification coded as Text.type"Landmark" in the non-positional file			
DEM N			

Subclass: DrivingRange	AL23300120	02/03
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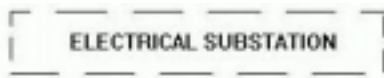
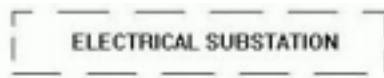
<i>Definition:</i> A facility for practising the driving of golf balls.	
Positional Verification	Cartographic Representation
0.25mm width line	0.25mm width line
3.0mm dash	3.0mm dash
1.5mm between dashes	1.5mm between dashes
	
plot colour BLACK	MOEP font 31 UPPER CASE text
<i>Remarks:</i>	
<ul style="list-style-type: none"> Place identification coded as Text.type"Landmark" in the non-positional file 	
DEM N	



Subclass: DryDock		CG09100000	02/03
Definition: An enclosure from which the water can be removed to facilitate the repair and maintenance of ships			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK			
Remarks:			
DEM N			


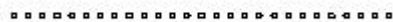
Subclass: Dump		AP09200000	02/03
Definition: An area set aside for the disposal of garbage and other refuse.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Place ildentification coded as Text.type"Landmark" in the non-positional file			
DEM N			



Subclass: Dyke	GE09400000	02/03
<i>Definition:</i> An embankment built to restrict the flow of water or other liquids.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.25mm width solid line 1.0mm ticks 1.5mm between ticks 	
plot colour BROWN	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• Line - high side• Ticks - low side• Low side is right side• Width 5 millimetres. or greater, capture in the positional file to scale as closed polygon and show symbol on both sides• Place identification coded as Text.type"Hydrographic" in the non-positional file		
DEM Y		

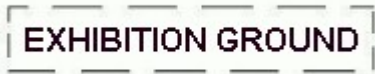
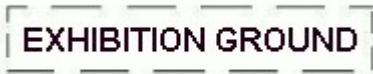
E

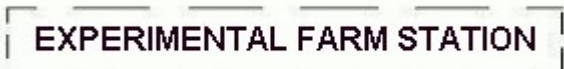

Subclass: ElectricalSubstationComplex	AG09850000	02/03
<i>Definition:</i> A subsidiary power facility in which electrical current is transformed for local distribution.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">Place identification coded as Text.type"LandMark" in the non-positional file		
DEM N		

Subclass: ElevatedRoadway	DA94900000	02/03
<i>Definition:</i> A structure erected above the terrain for the movement of vehicles over other roadways, difficult terrain or industrial sites		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK		
<i>Remarks:</i>		
DEM N		



Subclass: EquestrianPath		DC91800120	02/03
Definition: A specially prepared route on land for the movement of horses.			
Positional Verification		Cartographic Representation	
0.25mm width dotted line 1.5mm between dots		0.25mm width dotted line	
			
plot colour BLACK			
Remarks:			
DEM Y			

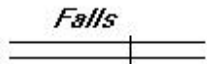
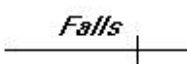
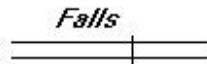
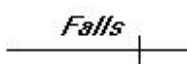
Subclass: Esker	HB10200000	02/03
<i>Definition:</i> A narrow, sinuous, steep-sided ridge composed of sand or gravel deposited by a glacial stream.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm dot 	0.25mm width solid line 0.75mm tick above and below line 	
2.0mm from dash end to dot centre	1.0mm between ticks	
plot colour PURPLE	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• 200m. minimum length• Captured in the positional file• Identification coded as Text.type"LandForm" in the non-positional file		
DEM Y		



Subclass: ExhibitionGrounds		AL10250000	02/03
Definition: A public area containing permanent buildings for amusement and display purposes.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Place identification coded as Text.type"LandMark" in the non-positional file			
DEM N			

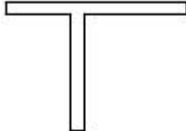
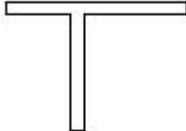
Subclass: ExperimentalFarmStation	AA10550120	02/03
Definition: A farming area where tentative agricultural policy or procedures are enacted to test an hypothesis.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Place identification coded as Text.type"LandMark" in the non-positional file		
DEM N		


F

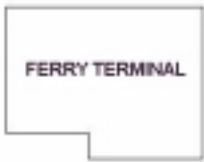
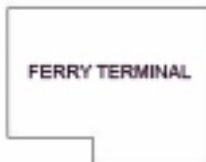
Subclass: Factory	BG10300000	02/03
<i>Definition:</i> A large facility for manufacturing.		
Positional Verification		Cartographic Representation
0.25mm width solid line		0.25mm width solid line
		
plot colour BLACK		MOEP font 31 UPPER CASE text
<i>Remarks:</i> <ul style="list-style-type: none"> Place identification coded as Text.type"LandMark" in the non-positional file 		
DEM N		



Subclass: Falls		(to scale)	GA10450000	02/03
		(symbolized)	GA90002110	01
Definition: The water in a watercourse that follows a perpindicular or very steep descent.				
Positional Verification			Cartographic Representation	
TO SCALE		SYMBOLIZED	TO SCALE	
0.25mm width solid line perpindicular to water feature		0.25mm width solid line 3.5mm line length	SYMBOLIZED	
0.20mm width solid line perpindicular to water feature		0.20mm width 3.5mm line length		
				
				
plot colour BLUE			Line extends 1.0mm beyond double line river banks.	
			MOEP font 32 (sloped) text	
Remarks:				
<ul style="list-style-type: none">• Capture to scale on double-line rivers.• Place identification coded as Text.type"Hydrographic" in the non-positional file				
DEM N				



Subclass: Fence		CR10750000	02
Definition: A barrier made of wire, rails, slats or other relatively light materials used to enclose or divide an area.			
Positional Verification		Cartographic Representation	
0.25mm width solid line  plot colour BLACK		0.25mm width solid line 1.5mm cross 15.0mm between crosses 	
Remarks:			
DEM N			



Subclass: FerryDock		CQ08850130	02/03
Definition: A structure buiolt along or into a waterway from the shoreline, used for mooring vessels when loading or unloading passangers and/or vehicles.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour RED			
Remarks:			
DEM N			



Subclass: FerryRoute		AQ10800000	02
Definition: The water route a ferry follows when transporting vehicles and /or passangers.			
Positional Verification		Cartographic Representation	
0.25mm width line 0.3mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.0mm between dashes	
NOT SHOWN			
		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification cited as Text.type"Transportation" in the non-positional file			
DEM N			

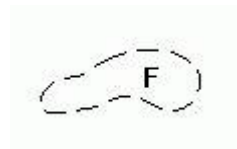

Subclass: FerryTerminal		BQ30750140	02
Definition: A place where passangers gather to be transported by ferry across a body of water.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identifier as Text.type"LandMark" in the Non-Positional file			
DEM N			



Subclass: FillEmbankment		DD09950000	02/03
Definition: A portion of a road or railway that has been built-up with earth or other materials to maintain a uniform grade.			
Positional Verification		Cartographic Representation	
0.25mm width solid line  plot colour BROWN		0.25mm width solid line 1.25mm width solid line 1.5mm between ticks 	
Remarks: <ul style="list-style-type: none">• 5.0 millimetres. length minimum• Not a closed polygon• Line-high side• Ticks-low side (right side)			
DEM Y			



Subclass: FireLookoutTower		BF10950120	01
Definition: A high structure from which the outbreak of forest fires can be detected and reported.			
Positional Verification		Cartographic Representation	
0.25mm width line 2.0mm square  FIRE LOOKOUT plot colour BLACK		0.25mm width line 2.0mm square  FIRE LOOKOUT	
Remarks: <ul style="list-style-type: none">• Place identification as Generic text, size dependant on building size.• Minimum size is 2.0 square millimetres.• Place identification as Text.type"Landmark" in the non-positional file			
DEM N			


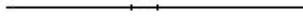
Subclass: FireStation		BF11000000	02
Definition: A building housing fire-fighting equipment.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			



Subclass: FishHatchery		AF11150000	02/03
Definition: A facility used for the spawning of fish.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.20mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification coded as Text.type"Landmark" in the non-positional file			
DEM N			



Subclass: FloodedLand.type "Inundated"		(area outline)	GB11350110	02/03
		(area symbol)	GB90000000	01
Definition: An area that is seasonally or temporarily covered by water because the natural drainage has been interrupted or obstructed.				
Positional Verification		Cartographic Representation		
AREA OUTLINE	AREA SYMBOL	AREA OUTLINE	AREA SYMBOL	
0.25mm width line	MOEP font 31	0.20mm width solid line	0.20mm width line	
3.0mm dash	U/C "F"		1.0mm between lines	
1.5mm between dashes				
			1.0mm to 5.0mm dashes	
			1.0mm between dashes	
plot colour BLUE				
Remarks:				
<ul style="list-style-type: none">• Area outline - Longest dimension over 4.0 millimetres.• Area Symbol - Point feature - point indicates the inside of the polygonal feature.• Although depicted on the verification plot the area symbol is not included in the positional file. Place identification as Text.type "LanfMark" in the Non-positional file.				
DEM Y				



Subclass: FlowArrow		GE90200000	01/02
Definition: A symbol used to clarify the direction of flow on a double line stream when the information is not evident from the map relief.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line 3.0mm filled head and tail	
			
plot colour BLUE		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Used to clarify flow direction on rivers• NOTE: This feature is shown on the verification plot and representational hard copy only• It is coded in the non-positional file• Although depicted on the verification plot this feature is NOT INCLUDED in the positional file			
DEM N			

Subclass: Flume		GA11500000	02/03
Definition: An inclined, man-made, open channel used to convey water for other than drainage purposes.			
Positional Verification		Cartographic Representation	
0.25mm width solid line  plot colour BLACK		0.25mm width solid line 2.0mm symbol 15.0mm between symbols  symbol is made up of a 0.6mm straight line with a 0.7mm 45° angled line at each end	
Remarks: <ul style="list-style-type: none">• Minimum length 4.0 millimetres.• Angle symbol to appear at least once.			
DEM N			



Subclass: FootBridge		DD93100000	02/03
Definition: A bridge for pedestrians			
Positional Verification		Cartographic Representation	
0.25mm width solid line 0.5mm radius filled circle 		0.35mm width solid line 	
plot colour BLACK		Line Terminator 0.7mm 45° angled from each end	
Remarks: <ul style="list-style-type: none">• Captured to scale in the positional file• Plotted to scale when more than 1.0 millimetres in length			
DEM N			

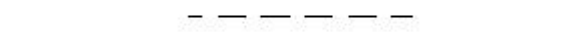
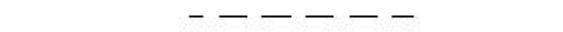
Subclass: FootPath		DC31700000	02/03
Definition: A specially prepared route on land for pedestrian travel			
Positional Verification		Cartographic Representation	
0.25mm width line 2.0mm dash 1.0mm between dashes  plot colour BLACK		0.35mm width solid line 2.0mm dash 1.0mm between dashes 	
Remarks: <ul style="list-style-type: none">• Captured to scale in the positional file• Plotted to scale when more than 4.0 millimetres in length			
DEM Y			

Subclass: ForeshoreFlats		GE30850000	02/03
Definition: A level low lying shore area of deposits laid at low tide.			
Positional Verification		Cartographic Representation	
0.20mm width line		AREA OUTLINE 0.20mm width line 1.5mm dash 1.5mm between dashes	SYMBOLIZED Random fill or
 <p>plot colour BLUE</p>		 <p>area outline feature 0.25mm dots</p>	
Remarks: <ul style="list-style-type: none"> Maximum size – 10 millimetres in length and 5 millimetres in width. 			
DEM N			



Subclass: Foundation		AL90200000	02/03
Definition: A concrete structure for the support of a building.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.35mm width line 3.0mm dash 1.5mm between dashes	
 <p>plot colour BLACK</p>		 <p>MOEP font 31 U/C text</p>	
Remarks: <ul style="list-style-type: none"> Place identification as Text.type"LandMark" in the Non-positional file 			
DEM N			



Subclass: Fountain	(to scale)	CL11800000	02/03
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(symbolized)		CL91800000	01
Definition: A structure from which an artificially produced jet of water rises.			
Positional Verification		Cartographic Representation	
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED
0.25mm width solid line	0.25mm width solid line	0.20mm width solid line	1.0mm diameter filled circle
0.5mm radius filled circle	1.0mm diameter open circle		
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• Captured to scale when greater than 2 square millimetres.• Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: Funicular		DD90100000	02
Definition: A cable railway ascending and descending a mountain utilizing counter-balanced cars.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.20mm width solid line 3.0mm dash 1.5mm between dashes 	
plot colour Purple		Line Terminator 0.7mm 45° angled from each end	
Remarks:			
DEM N			



G

Subclass: Glacier	GD12300000	02/03
Definition: A field of ice formed in regions of perennial frost from compacted snow..		
Positional Verification	Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes 	0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLUE	MOEP font 32 (sloped) text	
Remarks:		
<ul style="list-style-type: none">• Minimum 20 hectares, unless named• Place identification as Text.type"Hydrographic" in the non-positional file• Glacier in DEM as AreaofIndefiniteContour only (not as a breakline).		
DEM Y		





Subclass: GolfCourse	AL12350000	02/03
Definition: An area designated for the game of golf.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 	0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour GREEN	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the Non-positional file		
DEM N		



Subclass: Golf.type"Miniature"		AL12350110	02/03
Definition: An outdoor amusement area equipped with golf tees, holes and artificial hazards.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour GREEN		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			





Subclass: GovernmentBuilding		BF12450000	02/03
<i>Definition:</i> A building in which governmental activities take place.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
<i>Remarks:</i>			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			

Subclass: GrainElevator		BA12600000	02/03
Definition: A building for the elevating, storing and dischargeing of grain.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			



Subclass: Grandstand		CL12650000	02/03
Definition: A specially roofed stand for spectators at a stadium or racecourse.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
<div>GRANDSTAND</div>		<div>GRANDSTAND</div>	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			



Subclass: Greenhouse		(to Scale)	BA12800000	02/03
(symbolized)			BA90100000	01
Definition: An opaque or transparent structure used for the cultivation or protection of plants				
Positional Verification		Cartographic Representation		
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED	
0.25mm width solid line	0.25mm width solid line	0.25mm width solid line	0.25mm width solid line	
	0.8mm open square 		0.8mm filled square 	
plot colour GREEN		MOEP font 31 U/C text		
Remarks:				
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.				
DEM N				



Subclass: GuardRail	DD12950000	02/03
Definition: A barricade along the side of a travelled route.		
Positional Verification		Cartographic Representation
0.20mm width line		0.20mm width line
		1.0mm radius filled arc
		1.5mm between symbols
plot colour BLACK		
Remarks:		
DEM N		



Subclass: GunEmplacement		(to Scale)	CR90200000	02/03
		(symbolized)	CR90200100	01
Definition: A prepared position for the placement of artillery.				
Positional Verification		Cartographic Representation		
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED	
0.25mm width solid line	0.25mm width solid line 0.8mm open square	0.25mm width solid line	0.25mm width solid line 0.8mm filled square	
				
plot colour BLACK		MOEP font 31 U/C text		
Remarks:				
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.				
DEM N				

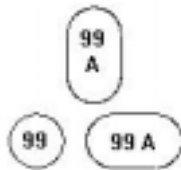
H



Subclass: Hedge		JD13400000	02/03
Definition: A dense growth of shrubbery planted as a fence or boundary.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line 1.5mm scallop	
			
plot colour GREEN		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandCover" in the Non-positional file.			
DEM N			



Subclass: Helipad		AQ13450000	01
Definition: A landing and takeoff place for helicopters.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.5mm circle radius 		0.35mm width solid line 3.5mm circle radius 2.5mm text height 	
plot colour RED			
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			

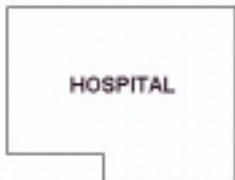
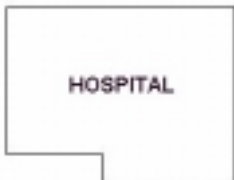
Subclass: Heliport		AQ00600000	02/03
Definition: A land aerodrome designed to be used by helicopters.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.35mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour RED		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			

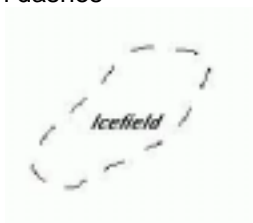
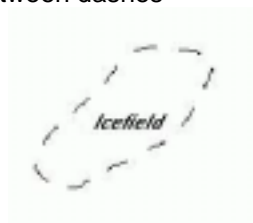
Subclass: HeritageBuilding		BL13700000	02
Definition: A building designated to be of historic interest.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: HighwayID.type"Number"	Undefined
HighwayID.type"SymbolCircle"	Undefined
HighwayID.type"SumbolOval"	Undefined
Definition:	
Positional Verification	Cartographic Representation
<p>NOT SHOWN</p>	<p>0.25mm width solid line 3.5mm circle radius 2.5mm text height</p>  <p>MOEP font 31 UPPER CASE text</p>
Remarks:	
<ul style="list-style-type: none"> • This feature is added at the representational file creation stage • Place identification as Text.type"Transportation" in the Representational file. 	
DEM N	

Subclass: HistoricMonument		AL13650000	02
Definition: A site declared to be of historic significance.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour RED		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			





Subclass: Hopper		CG13800000	01
Definition: A recepticle for delivering material such as grain or coal.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm line 30° off vertical uprights 		0.25mm width line 3.0mm line 30° off vertical uprights 	
plot colour BROWN			
Remarks:			
DEM N			



Subclass: Hospital	BH13950000	02
Definition: A facility providing medical care.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.		
DEM N		

Subclass:IceField		GD14450000	02/03
Definition: A general designation for ice caps or other extensive and irregular areas of permanent snow and ice.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 1.5mm between dashes		0.20mm width solid line 3.0mm dash 1.5mm between dashes	
			
plot colour BROWN		MOEP font 32 (sloped) text	
Remarks:			
<ul style="list-style-type: none">• Minimum 20 hectares.• Place identification as Text.type"Hydrographic" in the Non-positional file.• Added to DEM as AreaofIndefiniteContour only (not as a breakline).			
DEM Y			





Subclass: Incinerator		(to Scale)	CP14550000	02/03
		(symbolized)	CP94550000	01
Definition: A furnace or a container for burning waste materials.				
Positional Verification		Cartographic Representation		
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED	
0.25mm width solid line	0.25mm width solid line	0.25mm width solid line	0.25mm width solid line	
	0.8mm open square		0.8mm filled square	
plot colour RED		MOEP font 31 U/C text		
Remarks:				
<ul style="list-style-type: none">Capture to scale if over 2 square millimetres.				
DEM N				

Subclass: Island Geometric.Representational.Qualifier: Position approximate		GE94850100	01
Definition: A land mass completely surrounded by water. Named islands and rocks not visible on the aerial photograph.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 2.0mm cross <div><div></div><div></div></div> <div>+</div> <div>POSITION APPROXIMATE</div>		0.25mm width solid line 2.0mm cross <div><div></div><div></div></div> <div>+</div> <div>POSITION APPROXIMATE</div>	
plot colour PURPLE		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Approximate position to be established from 1:50 000 NTS published hardcopy and converted to NAD83,• Place identification as Text.type"Hydrographic" in the non-positional file			
DEM Y			

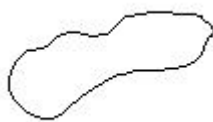
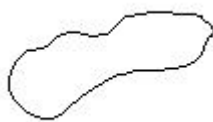
Subclass: Island Geometric.Representational.Qualifier: (to scale)		GE14850000	02/03
Position Definite		GE94850000	01
(symbolized)			
Definition: A land mass completely surrounded by water			
Positional Verification		Cartographic Representation	
TO SCALE 0.25mm width solid line	SYMBOLIZED 0.25mm width solid line 2.0mm tick length	TO SCALE 0.25mm width solid line	SYMBOLIZED 0.25mm width solid line 2.0mm tick length
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• To scale - Longest dimension is over 2.5 millimetres• This feature feature is not duplicated as a lake boundary• Symbolized - Point feature, No dimension over 2.5 millimetres• The cross is aligned with the sheet edge and captured at a 0° angle			
DEM Y			

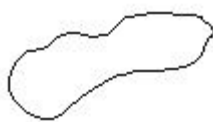

Subclass: Island.type "River"		GE14850130	02/03
Definition: A land mass completely surrounded by water and situated in a river. The elevation of the river shoreline is not constant, as opposed to the shoreline of an island on a lake or body of seawater which has a constant elevation.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 2.0mm cross		0.25mm width solid line 2.0mm cross	
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• Approximate position to be established from 1:50 000 NTS published hardcopy and converted to NAD83,• Place identification as Text.type "Hydrographic" in the non-positional file			
DEM Y			



K



Subclass: Kiln		(to Scale)	CG15150000	02
		(symbolized)	CG9519000	01
Definition: An oven, furnace or heated enclosure used for processing material by burning, firing or drying.				
Positional Verification		Cartographic Representation		
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED	
0.25mm width solid line	0.25mm width solid line 0.8mm open square	0.25mm width solid line	0.25mm width solid line 0.8mm filled square	
				
KILN		KILN		
plot colour BLACK				
Remarks:				
<ul style="list-style-type: none">Capture to scale if over 2 square millimetres.				
DEM N				



L



Subclass: Lake Geometric.Representational.Qualifier: Definite		GB15300000	02/03		
Definition: A body of fresh water that is completely surrounded by land.					
Positional Verification		Cartographic Representation			
0.25mm width solid line		0.50mm width solid line			
					
plot colour BLUE					
Remarks:					
<ul style="list-style-type: none">Longest dimension is over 2 millimetres.					
DEM Y					



Subclass: Lake Geometric.Representational.Qualifier: Indefinite		GB15300130	02/03
Definition: A body of fresh water that is completely surrounded by land			
Positional Verification		Cartographic Representation	
0.25mm width line		0.35mm width line 20.0mm dash 1.0mm between dashes	
			
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">• Longest dimension is over 2 millimetres.• Shoreline obscured on the aerial photography			
DEM Y			

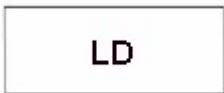
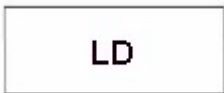
Subclass:Lake.type"DateofPhotography"		GB15300180	02/03
Definition: The normal highwater mark of a fresh waterbody which is dry at the date of photography.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.35mm width line 20.0mm dash 1.0mm between dashes	
			
plot colour ORANGE			
Remarks:			
<ul style="list-style-type: none">• Longest dimension is over 2 millimetres.• This feature will not supersede any other lake code.			
DEM Y			



Subclass: Lake.type "Intermittent"		GB15300140	02/03
Definition: A fresh waterbody that is normally dry at sometime during the year.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 20.0mm dash 1.0mm between dashes 	
plot colour PURPLE			
Remarks: <ul style="list-style-type: none">• Longest dimension is over 2 millimetres.			
DEM Y			



Subclass: LavaBed		HB15850000	02/03
<i>Definition:</i> An area where molten rock has flowed from a volcano or fissure and cooled to form solidified rock.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm dot		0.25mm width line 1.5mm dash 1.5mm between dashes	
			
plot colour PURPLE		MOEP font 31 UPPER CASE text	
<i>Remarks:</i>			
<ul style="list-style-type: none">Place identification as Text.type"Landform" in the non-positional file			
DEM Y			



Subclass:Library		BE16200000	02
Definition: A facility in which literary, musical, artistic, or reference materials as books, manuscripts, recordings, or films are kept for use but not for sale.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			

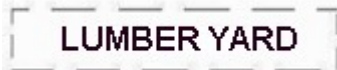

Subclass: Lighthouse	CQ16350000	02
<i>Definition:</i> A lighted structure erected near the shore to provide mariners with visual navigation reference.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.20mm width solid line	
		
plot colour BLACK		
<i>Remarks:</i> <ul style="list-style-type: none"> Place identification as Text.type"LandMark" in the Non-positional file. 		
DEM N		

Subclass: LoadingDock	CQ08850110	02
<i>Definition:</i> A structure used for the loading and unloading of materials.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK		
<i>Remarks:</i> <ul style="list-style-type: none"> Place identification as Text.type"LandMark" in the Non-positional file. 		
DEM N		


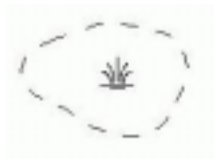

Subclass:Locks		CQ16500000	02
Definition: An enclosure similar to a canal with gates at each end used in raising and lowering water bourne vessels as they progress from level to level.			
Positional Verification		Cartographic Representation	
0.25mm width solid line lines drawn at right angles		0.25mm width solid line lines drawn at right angles 1.0mm overhang on bank	
			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			




Subclass:LoggedArea		JA13300000	02/03
Definition: An area on which timber has recently been cut.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK			
Remarks:			
DEM N			

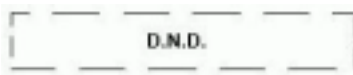

Subclass: LumberMill	AG17500150	02/03
<i>Definition:</i> An area and buildings with the prime function of converting raw logs into dimension lumber.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i>		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.		
DEM N		

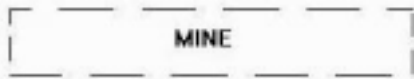

Subclass: LumberYard	AB33850140	02/03
Definition: An enclosure that is used to store lumber products.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C/ text	
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file		
DEM N		



M

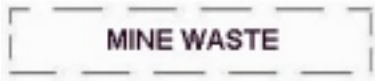
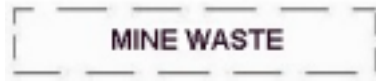
Subclass:Marsh		(area outline)	GC17100000	02/03
		(area symbol)	GC90100000	01
Definition: A water-saturated, poorly drained, treeless area intermittently or permanently water covered, having cattailed, rushes or grass-like vegetation.				
Positional Verification		Cartographic Representation		
AREA OUTLINE	AREA SYMBOL	AREA OUTLINE	AREA SYMBOL	
0.25mm width line 3.0mm dash 1.5mm between dashes	"M" text	0.25mm width line 1.5mm dash 1.5mm between dashes	0.20mm width upper lines 0.35mm width base lines	
				
MOEP font 31 text plot colour BLUE				
Remarks:				
<ul style="list-style-type: none">• Area Outline - Longest dimension over 5 millimetres.• Area Symbol - Point feature• Indicates point inside area outline• Although depicted on the varification plot the mwrsh symbol is not included in the Positional file.• Capture above or below high water mark• Indicate lake and /or river edge with construction line when coincident• Place identification as Text.type"LandMark" in the Non-positional file.				
DEM Y				



Subclass:MarshInWater		(area outline)	GC17100110	02/03
		(area symbol)	GC90100000	01
Definition: A marsh area that occupies part of a lake or other body of water.				
Positional Verification		Cartographic Representation		
AREA OUTLINE	AREA SYMBOL	AREA OUTLINE	AREA SYMBOL	
0.25mm width line 3.0mm dash 1.5mm between dashes	"M" text	0.25mm width line 1.5mm dash 1.5mm between dashes	0.20mm width upper lines 0.35mm width base lines	
				
MOEP font 31 text plot colour BLUE				
Remarks:				
<ul style="list-style-type: none">• Area Outline - Longest dimension over 5 millimetres.• Area Symbol - Point feature• Indicates point inside area outline• Although depicted on the varification plot the marsh symbol is not included in the Positional file.• Capture above or below high water mark• Indicate lake and /or river edge with construction line when coincident				
DEM N				



Subclass: Military Establishment		AJ01650000	02/03
Definition: An area owned and operated by the department of National Defence to facilitate military activities.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type "LandMark" in the Non-positional file			
DEM N			

Subclass:Mine		AG17750000	02/03
Definition: The area surrounding the place from which mineral substances are taken.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type "Landmark" in the Non-positional fileDesignated Area and Building to be shown as individual features.			
DEM N			



Subclass:Mine.type "OpenPit"		AG17600000	02/03
Definition: An excavation in the earth's surface from which mineral substances are taken. Generally larger than a quarry.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 1.0mm tick length 0.20mm tick width 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type "LandMark" in the Non-positional fileFeature included in the DEM as AreaofExclusion			
DEM Y			

Subclass: MineWaste		AP27850000	02/03
Definition: An area set aside to hold the refuse materials produced by mining operations.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">• Place identification as Text.type "Landmark" in the Non-positional file• Designated Area and Building to be shown as individual features.			
DEM N			

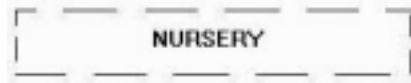
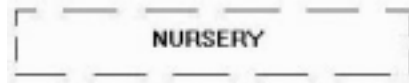
Subclass:MobileHomePark		AN18100000	02/03
Definition: An area containing trailers that are used as permanent dwellings.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type "Landmark" in the Non-positional fileMinimum size 50 square millimetres.			
DEM N			

Subclass: Moraine		HB18700000	02/03
<i>Definition:</i> A mound, ridge or other accumulation of glacial debris appearing in a variety of topographic landforms, deposited by direct action of glacial ice.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash .05mm dot 2.0mm from dash end to dot centre 		0.25mm width line 1.5mmdash 1.5mm between dashes 	
plot colour PURPLE		MOEP font 31 UPPER CASE text	
<i>Remarks:</i>			
<ul style="list-style-type: none">Place identification as Text.type"LandForm" in the Non-positional file			
DEM Y			



Subclass:MountainPeak		HB18800000	01
Definition: The summit (highest point) of a mountain: especially the summit of a conspicuously precipitous mountain.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm cross + 2353 plot colour RED		0.20mm width line 3.0mm cross + 2353 1.4mm text MOEP font 31 text	
Remarks: <ul style="list-style-type: none">Named mountain peaks onlyPlace identification as Text.type “Hypsographic” in the Representational file.			
DEM Y			

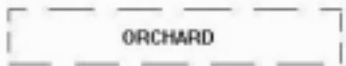
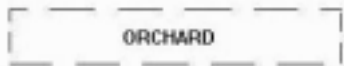
Subclass:Museum		BL18900000	02/03
Definition: A facility in which articles of historic or cultural interest are kept for public viewing.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type "LandMark" in the Non-positional file.			
DEM N			



N



Subclass:Nursery		JB19150000	02/03
Definition: A place where shrubs, flowers, trees etc. are propagated for transplanting or for sowing and grafting.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.0mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour GREEN		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandCover" in the non-positional file			
DEM N			

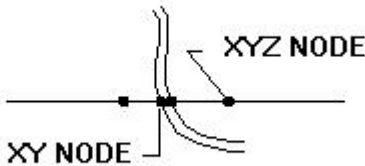
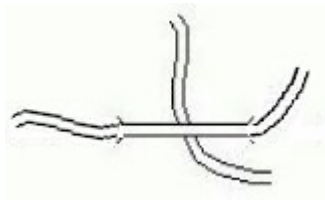
O

Subclass:OilWell		(to scale)	EA30400110	02/03
		(symbolized)	EA90400110	01
Definition: A structure used for the storage of oil.				
Positional Verification		Cartographic Representation		
TO SCALE		SYMBOLIZED		
0.25mm width solid line		0.7mm radius circle		
				
TANK		TANK		
plot colour BLACK		MOEP font 31 U/C text		
Remarks: <ul style="list-style-type: none">• Capture to scale if greater than 2 square millimetres.• Place identification as Text .type"LandMark" in the Non-positional file.				
DEM N				

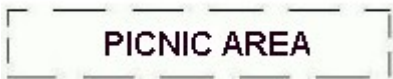
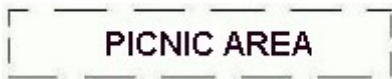
Subclass:Orchard		JB19650000	02/03
Definition: A plantation of fruit or nut bearing trees.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour GREEN		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandCover" in the Non-positional file			
DEM N			

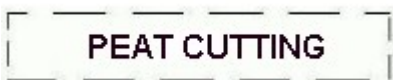
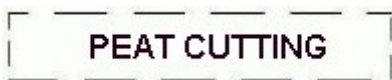
Subclass: Outfall.type"Drain"		EA99800100	01
Definition: The outlet of a drain.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 4.0mm lines 60° Angles		0.25mm width solid line 4.0mm lines 60° angles	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			

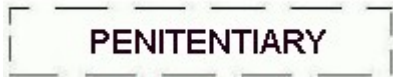
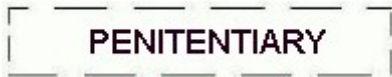
Subclass: Outfall.type" Sewer"		EA99800200	01
Definition: The outlet of a sewer			
Positional Verification		Cartographic Representation	
0.25mm width solid line 4.0mm lines 60° Angles		0.25mm width solid line 4.0mm lines 60° angles	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			



Subclass:Overpass	DD99850000	02
Definition: An elevated structure along a travelled route permitting passage over another travelled route.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	OVERPASS DECK 1.6mm minimum width 0.8mm wide 0.35mm mm line width	
		
plot colour BLACK	LINE TERMINATOR 0.7mm length 0.35mm line width	
Remarks:		
<ul style="list-style-type: none">• Capture width as type 05.		
DEM N		

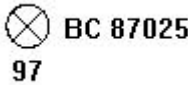
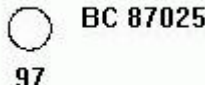
P

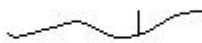
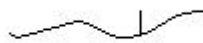
Subclass: ParkPicnicArea	AL20150000	02/03
<i>Definition:</i> An area set aside for the daytime convenience of travellers		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i>		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file		
DEM N		



Subclass: PeatCutting	AG20850000	02/03
<i>Definition:</i> An area in a peat bog where peat is or has been removed.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i>		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file		
DEM N		



Subclass:Penitentiary	BF20950000	02/03
Definition: A facility in which offenders against the law are confined.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file		
DEM N		


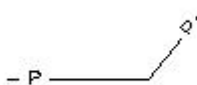
Subclass: Penstock	GA21050000	02
Definition: A pipe for carrying water.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.25mm width solid line 	
plot colour BLUE		
Remarks:		
DEM N		



Subclass:PhotoCentre	FD21100000	01
Definition: A symbol on a map indicating the centre of an aerial photograph.		
Positional Verification	Cartographic Representation	
0.25mm width line 1.25mm radius circle 	0.25mm width line 1.25mm radius circle 	
plot colour BLACK	MOEP font 32 (sloped) text (1.4mm, 1.8mm)	
Remarks: <ul style="list-style-type: none">• Although depicted on the verification plot this feature is not included in the Planimetric file.• Place identification as Text.type"AerialTriangulation" in the non-positional file• Roll number is places just inside the sheet edge horizontal to the photo centre• The edit field text is sloped		
DEM N		



Subclass:Pier	CQ21250000	02
Definition: : A structure built on a waterway used to moor vessels when loading or unloading cargo and/or passangers		
Positional Verification	Cartographic Representation	
0.25mm width line	0.25mm width line	
		
plot colour BLACK		
Remarks:		
<ul style="list-style-type: none">• Data point captured at feature intersection with shoreline		
DEM N		



Subclass: Pile.type"RawMaterial"		AG21275000	02/03
Definition: A quantity of things heaped together (raw material).			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the non-positional file• In the DEM as AreaofExclusion only (not as a man-made breakline)			
DEM Y			



Subclass:"Pile.type"Unspecified"		AG91275000	02/03
Definition: A quantity of material heaped together.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the non-positional file• In the DEM as AreaofExclusion only (not as a man-made breakline)			
DEM Y			

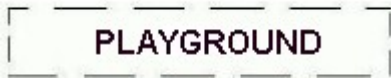
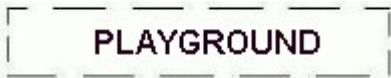
Subclass: Pipeline	EA21400000	02
Definition: A cylindrical conduit used to convey liquids or gasses		
Positional Verification	Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes	0.25mm width line 1.5mm "P" height 30.0mm between "P"s	
		
plot colour BLACK	MOEP font 31 U/C text	
Remarks:		
<ul style="list-style-type: none">For underground pipeline, label "POSITION APPROXIMATE".Place identification as Text.type"LandMark" in the Non-positional file.		
DEM N		

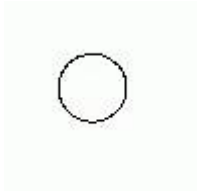

Subclass:Pipeline.type"Gas"	EA21400270	02
Definition: A pipeline along which gas is transported.		
Positional Verification	Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes	0.25mm width line 1.5mm "P" height 30.0mm between "P"s	
		
plot colour BLACK	MOEP font 31 U/C text	
Remarks:		
<ul style="list-style-type: none">For underground pipeline, label "POSITION APPROXIMATE".Place identification as Text.type"LandMark" in the Non-positional file.		
DEM N		

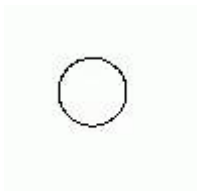

Subclass:"Pit.type"Abandoned"		AG21550001	02/03
Definition: An excavation from which sand or gravel has been removed for use in construction (e.g., borrow pit) No longer used for original purpose.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes 1.0mm tick length 0.20mm tick width 1.5mm between ticks	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• It is not used in Canada as a synonym for coal mine.• Designated area and associated buildings to be shown as individual features• Place identification as Text.type"LandMark" in the Non-positional file.			
DEM Y			

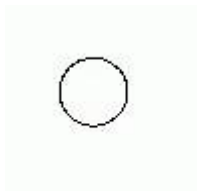

Subclass:Pit.type"GravelSand"		AG21550000	02/03
Definition: An excavation from which sand or gravel is actively being removed .			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 1.0mm tick length 0.20mm tick width 1.5mm between ticks	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• It is not used in Canada as a synonym for coal mine.• Designated area and associated buildings to be shown as individual features• Place identification as Text.type"LandMark" in the Non-positional file.• Included in the DEM as Areaof Exclusion			
DEM Y			

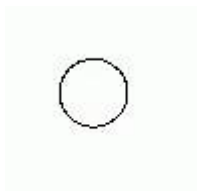

Subclass:Platform		CQ21750000	02
Definition: A horizontal flat surface higher than the surrounding area.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
			
plot colour BLACK			
Remarks:			
DEM N			



Subclass:Playground		AL21850000	02/03
Definition: A small park for children.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 1.0mm tick length 1.5mm between ticks	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• It is not a synonym for athletic field, sports field or playing field.• Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: Pole		(symbol)	EA21950000	01
Definition: A wood, metal or concrete upright, i.e. flagpole, climbing pole. .				
Positional Verification		Cartographic Representation		
0.25mm width line 1.0mm diameter open circle		1.0mm diameter filled circle		
				
plot colour BLACK				
Remarks:				
DEM N				



Subclass:"Pole.type"Electrical"		(symbol)	EA21950110	01			
Definition: Any slender piece of wood, metal or concrete used for supporting electrical power lines.							
Positional Verification		Cartographic Representation					
0.25mm width line 1.0mm diameter open circle		1.0mm diameter filled circletick length					
							
plot colour BLACK							
Remarks:							
DEM N							

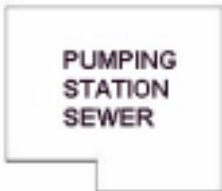
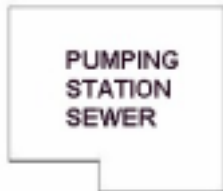
Subclass: Pole.type "LampStandard"		(symbol)	EA21950130	01
Definition: Any upright slender piece of wood, metal or concrete used for supporting lamp standards.				
Positional Verification		Cartographic Representation		
0.25mm width line 1.0mm diameter open circle		1.0mm diameter filled circle		
				
plot colour BLACK		MOEP font 31 U/C text		
Remarks:				
DEM N				


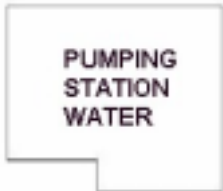
Subclass: Pole.type "Telephone"		(symbol)	EA21950120	01
Definition: Any upright slender piece of wood, metal or concrete used for supporting telephone lines.				
Positional Verification		Cartographic Representation		
0.25mm width line 1.0mm diameter open circle		1.0mm diameter filled circle		
				
plot colour BLACK		MOEP font 31 U/C text		
Remarks:				
DEM N				

Subclass: Pole.type "Utility"		(symbol)	EA21950140	01
Definition: Any upright slender piece of wood, metal or concrete used for supporting cables, i.e. power, telephone or cablevision.				
Positional Verification		Cartographic Representation		
0.25mm width line 1.0mm diameter open circle		1.0mm diameter filled circle		
				
plot colour BLACK				
Remarks:				
DEM N				

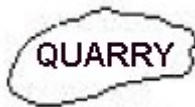
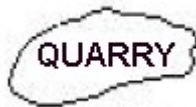
Subclass:PoliceStation		BF22000000	02
Definition: A facility housing the law enforcement agencies for a particular jurisdiction.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass:PostOffice		BF22250000	02
Definition: A local branch of the national postal system which distributes the mail for a particular area.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			

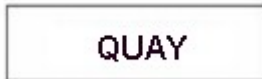
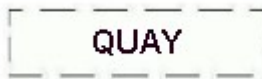
Subclass:PumpingStation.type“Sewer”		BP26800000	02
Definition: A facility containing pumping equipment for effluent. .			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type”LandMark” in the Non-positional file.			
DEM N			

Subclass: PumpingStation.type"Water"		BG22400130	02
Definition: A facility containing pumping equipment for fresh water.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Q



Subclass:Quarry.type"Dry"		AG22450000	02/03
<i>Definition:</i> An excavation created by removal of stone by blasting or cutting.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the Non-positional file• Included in the DEM as Areaof Exclusion			
DEM Y			

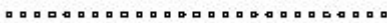

Subclass:Quarry.type"WaterFilled"		GB22500000	02/03
Definition: A water filled excavation created by removal of stone by blasting or cutting.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional fileIncluded in the DEM as Areaof Exclusion			
DEM Y			

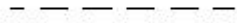
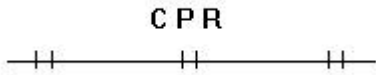
Subclass: Quay		CQ22600000	02
Definition: A specially prepared paved area beside navigable water for convenience in loading or unloading ships or barges.			
Positional Verification		Cartographic Representation	
0.25mm width line 		0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• This is not a synonym for pier or jetty.• Place identification Text.type"Landmark" in the non-positional file			
DEM N			



R


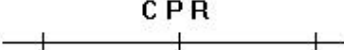
Subclass:RaceTrack		AL22650000	02/03
Definition: A hard or loose - surfaced route on which sporting activities take place, such as horse or car races. As opposed to a sportstrack where sporting events take place.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
 RACE TRACK		 RACE TRACK	
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• Right hand rule applies.• Captured to scale in the positional file• Identification coded as Text.type"LandMark" in the Non-positional file			
DEM Y			


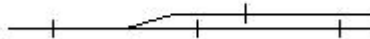
Subclass: Rack		CR90500000	02
Definition: A framework, stand or grate on or in which articles are placed.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 		0.25mm width solid line 	
plot colour BLACK			
Remarks:			
DEM N			

Subclass:RailLine.type"AbandonedTrack"		DE22950001	02/03
Definition:A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. No longer used.			
Positional Verification		Cartographic Representation	
0.25mm width line  plot colour BLACK		0.25mm width line 13.0mm dash 2.0mm between dashes 1.0mm tick above and below line 	
Remarks:			
DEM Y			

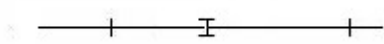
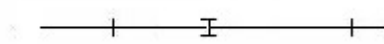
Subclass:RailLine.type"DoubleTrack"		DE22850000	02/03
Definition: A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. A double track has two closely parallel rail lines on the same roadbed.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mm dash 1.0mm between dashes		0.25mm width solid line 1.0mm tick above and below line 1.0mm between ticks 15.0mm between tick groups	
			
plot colour RED		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"Toponymy" in the Representational file			
DEM Y			

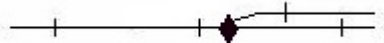
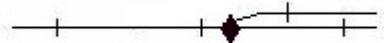
Subclass: RailLine.type "MultipleTrack"	DE22900000	02/03
Definition: A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. A multiple track has more than two rail lines on the same roadbed.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm dot 2.0mm from dash end to dot centre 2.0mm between dots	0.25mm width solid line 1.0mm tick above and below line 1.0mm between ticks 15.0mm between tick groups	
		
plot colour RED	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none"> Place identification as Text.type "Toponymy" in the Representational file 		
DEM Y		

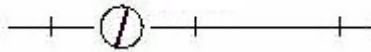
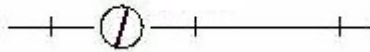
Subclass: RailLine.type"SingleTrack"	DE22950000	02/03
Definition: A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. A single track has one set of rails on the roadbed.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm dot 2.0mm from dash end to dot centre 	0.25mm width solid line 1.0mm tick above and below line 15.0mm between ticks 	
plot colour RED	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none"> Place identification as Text.type"Toponymy" in the Representational file 		
DEM Y		


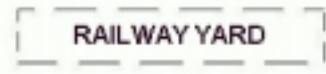
Subclass: RailLine.type"Spur"		DE28850000	02/03
Definition: A short length of railway track leading from the main line.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 0.5mm dot 2.0mm from dash end to dot centre 		.25mm width solid line 1.0mm tick above and below line 15.0mm between ticks 1.5mm between lines 	
plot colour RED			
Remarks:			
DEM Y			



Subclass: RailwayBumper		DE25650000	01
Definition: A raised structure on a rail line to prevent the passage of trains and other equipment.			
Positional Verification		Cartographic Representation	
0.25mm width line 5.0mm length vertical 1.0mm length horizontal <div>[</div>		.25mm width line 5.0mm length vertical 1.0mm length horizontal <div>[</div>	
plot colour RED			
Remarks:			
DEM N			



Subclass: RailwayScale		DD91650000	01		
Definition: A device for weighing trains.					
Positional Verification		Cartographic Representation			
0.25mm width line for bars 1.0mm length for horizontals 2.0mm length for vertical		0.25mm width line for bars 1.0mm length for horizontals 2.0mm length for vertical			
					
plot colour RED					
Remarks:					
DEM N					

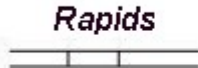
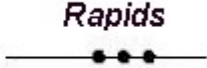
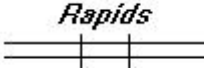

Subclass: RailwaySwitch		DD30200000	01
Definition: A device designed to direct a train from one track to another.			
Positional Verification		Cartographic Representation	
0.25mm width solid line diamond shape filled 2.0mm high 2.0mm width 		0.25mm width solid line diamond shape filled 2.0mm high 2.0mm width 	
plot colour RED			
Remarks:			
DEM N			



Subclass: RailwayTurntable		DD32300000	02/03
Definition: A platform with a track for turning train cars.			
Positional Verification		Cartographic Representation	
0.25mm width line for circle 0.25mm width line for bars		0.25mm width line for circle 0.35mm width line for bars	
			
plot colour RED			
Remarks: <ul style="list-style-type: none">capture to scale.			
DEM N			



Subclass: RailwayYard		AQ23000000	02/03
Definition: A large area used for loading and sorting of rail cars.			
Positional Verification		Cartographic Representation	
0.25mm width solidline 3.0mm dash 1.5mm between dashes		0.25mm width solidline 3.0mm dash 1.5mm between dashes	
			
plot colour RED		MOEP font 31 U?C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: Range.type"Civilian"		AL23300000	02/03
Definition: An area set aside for the recreational discharge of firearms.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Test.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: Range.type"Military"		AJ23350000	02/03
Definition: An area set aside by the military as a practice weapons firing ground.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LamdMark" in the Non-positional file.			
DEM N			


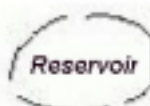
Subclass: Rapids		(to scale)	GA23500000	02
		(symbolized)	GA23500110	01
Definition: A fast flowing section of a watercourse or waterbody, generally with exposed rocks and boulders.				
Positional Verification			Cartographic Representation	
TO SCALE		SYMBOLIZED	TO SCALE	SYMBOLIZED
0.25mm width line		0.5mm dots	0.25mm width line	0.25mm width line
				
			Line extends 1.0mm beyond stream banks	3.5mm line perpendicular to stream
plot colour BLUE			MOEP font 32 (sloped) text	
Remarks:				
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file				
DEM N				



Subclass: Refinery		BG23650000	02
Definition: A building with equipment for refining and purifying metals, oils or sugar.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.25mm width line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: Reforestation		JA23750000	02/03
Definition: A plantation of young trees to renew the forest cover.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line 1.5mm scallop	
 REFORESTATION		 REFORESTATION	
plot colour GREEN		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LamdCover" in the Non-positional file.			
DEM N			

Subclass: Reservoir Geometric Representation Qualifier: Definite		GB24300000	02/03
Definition: An artificial basin where water is collected and kept.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.35mm width line	
 <i>Reservoir</i>		 <i>Reservoir</i>	
plot colour RED		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"• Not a named lake			
DEM Y			



Subclass: Reservoir Geometric Representation Qualifier: Indefinite		GB90100000	02/03
Definition: An artificial basin where water is collected and kept.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 1.5mm between dashes		0.35mm width solid line 20.0mm dash 1.0mm between dashes	
			
plot colour RED		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"• Not a named lake			
DEM Y			



Subclass: Reservoir.status"Underground"		GB24300110	02/03
Definition: An covered artificial storage place for water built entirely below ground level.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm dash 1.5mm between dashes		0.35mm width solid line 20.0mm dash 1.0mm between dashes	
			
plot colour RED		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"			
DEM N			

Subclass: Reservoir.type"Intermittent"		GB90100110	02/03
Definition: An artificial basin where water is collected and kept. Usually dry at sometime during the year.			
Positional Verification		Cartographic Representation	
0.5mm dot 		0.35mm width line 20.0mm dash 1.0mm between dashed 	
plot colour RED		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"• Not a named lake			
DEM Y			

Subclass: Reservoir.type"MunicipalWaterStorage".status"AboveGround"		GB94300220	02/03
Definition: An artificial storage place for municipal water supply built with the bottom at ground level.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour BLUE		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"• Not a named lake			
DEM Y			

Subclass: Reservoir.type"MunicipalWaterStorage".status"Elevated"		GB94300230	02/03
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<i>Definition:</i> An artificial storage place for municipal water supply built with the bottom at ground level.	
Positional Verification	Cartographic Representation
0.25mm width solid line	0.35mm width solid line
	
plot colour BLUE	MOEP font 32 (sloped) text
<i>Remarks:</i> <ul style="list-style-type: none"> • Longest dimension over 2.5 millimetres • Identification coded as Text.type"Hydrographic" in the non-positional file • NOTE - text is sloped. e.g., "Reservoir" 	
DEM Y	



Subclass: Reservoir.type"MunicipalWaterStorage".status"GroundLevel"		GB94300210	02/03
Definition: An artificial or natural storage place for municipal water supply built with the top at ground level.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour BLUE		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"			
DEM Y			



<i>Subclass:</i> Reservoir.type"MunicipalWaterStorage".status"Underground"		GB94300200	02/03
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Digital Baseline Mapping at 1:5 000 / 1:2 500



Definition: An artificial storage place for municipal water supply built below ground level.



Positional Verification	Cartographic Representation
0.25mm width solid line	0.35mm width solid line
	
plot colour BLUE	MOEP font 32 (sloped) text
Remarks: <ul style="list-style-type: none"> • Longest dimension over 2.5 millimetres • Identification coded as Text.type"Hydrographic" in the non-positional file • NOTE - text is sloped. e.g., "Reservoir" 	
DEM N	



Subclass: Reservoir.type"PrivateWaterStorage"		GB99150200	02/03
Definition: An artificial or natural pond used as a storage place for water for a private purpose. Privately regulated and maintained.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour BLUE		MOEP font 32 (sloped) text	
Remarks:			
<ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"• Not a named lake			
DEM Y			

Subclass: Reservoir.type"ProposedMaxResLevel"		GB90100120	02/03
Definition: An artificial basin where water is collected and kept. This feature deliniates the proposed maximum reservoir level.			
Positional Verification		Cartographic Representation	
0.5mm dot 		0.35mm width line 20.0mm dash 1.0mm between dashes 	
plot colour RED		MOEP font 32 (sloped) text	
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres• Identification coded as Text.type"Hydrographic" in the non-positional file• NOTE - text is sloped. e.g., "Reservoir"			
DEM Y			



Subclass: Rink		AL24800000	02/03
Definition: A smooth extent of ice marked off for curling or hockey.			
Positional Verification		Cartographic Representation	
0.25mm width dashed line 3.0mm dash 1.5mm between dashes		0.35mm width dashed line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 32 (sloped) text	
Remarks:			
<ul style="list-style-type: none">• Identification coded as Text.type"Hydrographic" in the non-positional file			
DEM N			



Subclass: River/Stream Geometric Representation Qualifier: Definite		GA24850000	02/03
Definition: The course followed by the natural flow of water on the earth's surface, draining in an area or body of water.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 		0.35mm width solid line 	
plot colour BLUE			
Remarks: <ul style="list-style-type: none">Maximum width 2.5millimetresLine is captured at the centerline of the feature"Definite" - Not obscured on the aerial photographMaximum width 20 metresIf over 20 metres in width capture as River/Stream.type"LeftBank" or River/stream.type"RightBank"			
DEM Y			


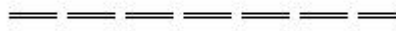
Subclass: River/Stream Geometric Representation Qualifier: Indefinite		GA24850140	02/03
Definition: The course followed by the natural flow of water on the earth's surface, draining in an area or body of water.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 		0.35mm width line 20.0mm dash 1.0mm between dashes 	
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">Maximum width 2.5millimetresLine is captured at the centerline of the feature"Indefinite" - Obscured on the aerial photographIf over 20 metres in width capture as River/Stream.type"LeftBank" or River/stream.type"RightBank"			
DEM Y			



Subclass: River/Stream.type"Dry"		GA24850130	02/03
Definition: The course followed by the natural flow of water on the earth's surface, draining in an area or body of water. The portion of a river bed that is normally dry but is subject to infrequent flooding			
Positional Verification		Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 		0.25mm width line 5.0mm dash 1.0mm between dashes 	
plot colour BLUE			
Remarks: <ul style="list-style-type: none">Maximum width 2.5 millimetresCapture as closed polygon			
DEM Y			



Subclass: River/Stream.type"Intermittent"		GA24850150	02/03
Definition: The course followed by the natural flow of water on the earth's surface, draining in an area or body of water. A definite watercourse that is usually dry, depending upon the season and precipitation.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes ----- plot colour BLUE		0.25mm width line 1.5mm dash 2.0mm short dash 1.0mm between dashes ----- 	
Remarks: <ul style="list-style-type: none">Line is captured at the centerline of the featureMaximum width 2.5millimetresIf over 20 metres in width capture as River/Stream.type"LeftBank" or River/stream.type"RightBank"			
DEM Y			



Subclass: River/Stream.type "RightBank"		GA90000120	02/03
Definition: The course followed by the natural flow of water on the earth's surface, draining in an area or body of water. A definite watercourse of sufficient width to delineate separate banks. "Right-Bank" indicates the right shoreline heading downstream			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">Greater than 2.5 millimetres in width at map scale			
DEM Y			



Subclass: River/Stream.type "LeftBank"		GA90000110	02/03
Definition: The course followed by the natural flow of water on the earth's surface, draining in an area or body of water. A definite watercourse of sufficient width to delineate separate banks. "Left-Bank" indicates the left shoreline heading downstream			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour BLUE			
Remarks:			
<ul style="list-style-type: none">• Greater than 2.5 millimetres in width at map scale			
DEM Y			



Subclass: Road.surface"Loose".lanes"1".type"Undivided"		DA25000110	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of aggregate, soil or clay.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.20mm width line 5.0mm dash 1.0mm between dashes 0.5mm between lines 	
plot colour ORANGE		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Minimum length 10 millimetres			
DEM Y			



Subclass: Road.surface"Loose".lanes"1".type"Undivided".status"U/C"		DA25000160	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of aggregate, soil or clay that is under construction at time of data capture.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mm dash 1.0mm between dashes <div>UNDER CONSTRUCTION</div> 		0.20mm width line 5.0mm dash 1.0mm between dashes 0.5mm between lines <div>UNDER CONSTRUCTION</div> 	
plot colour ORANGE		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Captured in the positional file• Place identification as Text.type"Transportation" in the Non-positional file			
DEM Y			



Subclass: Road.surface"Paved".lanes"1".type"Undivided"		DA25100180	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line 0.5mm between lines	
			
plot colour RED			
Remarks:			
<ul style="list-style-type: none">• Minimum length 10 millimetres			
DEM_Y			



Subclass:		DA25000160	02/03
Road.surface"Paved".lanes"1".type"Undivided".status"U/C"			
Definition: A specially divided route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width line 0.5mm between lines 1.0mm between dashes 0.5mm between lines	
<div>UNDER CONSTRUCTION</div> 		<div>UNDER CONSTRUCTION</div> 	
plot colour ORANGE		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">• Minimum length 10 millimetres• Place identification as Text.type"Transportation" in the Non-positional file			
DEM Y			

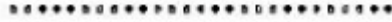

Subclass: Road.surface"Loose".lanes"2".type"Undivided"		DA25000120	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of aggregate, soil or clay.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 		0.20mm width solid line 10.0mm dash 1.0mm between dashes 0.5mm between lines 	
plot colour ORANGE		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• All weather, 1 lane each way• Minimum length 10 millimetres			
DEM Y			



Subclass: Road.surface"Loose".lanes"2".type"Undivided".status"U/C"		DA25000170	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of aggregate, soil or clay that is under construction at time of data capture.			
Positional Verification		Cartographic Representation	
0.5mm dots 		0.20mm width line 5.0mm dash 1.0mm between dashes 0.5mm between lines 	
plot colour ORANGE		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• All weather• 1 lane each way• Captured in the positional file• Place identification as Text.type"Transportation" in the non-positional file			
DEM_Y			

Subclass: Road.surface"Paved".lanes"2".type"Divided"		DA25050180	02/03
Definition: A specially prepared divided route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line 0.5mm between lines	
			
plot colour RED			
Remarks:			
<ul style="list-style-type: none">• 1 lane each way• Minimum length 10 millimetres			
DEM Y			



Subclass: Road.surface"Paved".lanes"2".type"Divided".status"U/C"		DA25050310	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt or tat-gravel that is under construction at time of capture.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes <div>UNDER CONSTRUCTION</div> <div></div>		0.20mm width line 5.0mm dash 1.0mm between dashes 0.5mm between lines <div>UNDER CONSTRUCTION</div> <div></div>	
plot colour RED		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">• 1 lane each way• Minimum length 10 millimetres• Place identification as Text.type"Transportation" in the non-positional file			
DEM Y			

Subclass: Road.surface"Paved".lanes"2".lanedir"OneWay"		DA25100190	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash .05mm dot 		0.20mm width solid line 0.5mm between lines 	
2.0mm from dash end to dot centre 2.0mm between dots			
plot colour BROWN			
Remarks:			
<ul style="list-style-type: none">• 2 lanes one way• Minimum length 10 millimetres			
DEM Y			



Subclass: Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"		DA25100330	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane unidirectional road with a surface of concrete, asphalt or tar-gravel that is under construction at time of data capture.			
Positional Verification		Cartographic Representation	
0.5mm dot 		0.20mm width line 5.0mm dash 1.0mm between dashes 0.5mm between lines 	
plot colour BROWN		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• 2 lane one way• Minimum length 10 millimetres• Place identification as Text.type"Transportation" in the non-positional file			
DEM Y			

Subclass: Road.surface"Paved".lanes"3".type"Undivided"		DA25100200	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 3 lane road with surface of concrete, asphalt or tat-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width solid line 1.0mm between lines 	
plot colour PURPLE			
Remarks: <ul style="list-style-type: none">• 3 lanes one way• Minimum length 10 millimetres			
DEM Y			



Subclass: Road.surface"Paved".lanes"3".type"Undivided".status"U/C"		DA25100340	02/03
<i>Definition:</i> A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 3 lane road with a surface of concrete, asphalt or tar-gravel that is under construction at time of capture.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mm dash 1.0mm between dashes <div>UNDER CONSTRUCTION</div> <div>-----</div>		0.25mm width line 5.0mm dash 1.0mm between dashes 1.0mm between lines <div>UNDER CONSTRUCTION</div> <div>=====</div>	
plot colour PURPLE		MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• 3 lanes one way• Minimum length 10 millimetres• Place identification as Text.type"Transportation" in the non-positional file			
DEM Y			


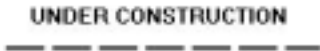
Subclass: Road.surface"Paved".lanes"4".type"Divided"		DA25050190	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction and with a surface of concrete, asphalt or tar-gravel that is under construction at time of data capture.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm dot  2.0mm from dash end to dot centre 2.0mm between dots plot colour PURPLE		0.25mm width line 0.6mm between dashes 0.6mm between lines 	
Remarks: <ul style="list-style-type: none">• 2 lanes each way.• Separation not more than 50 metres• Minimum length 10 millimetres			
DEM Y			

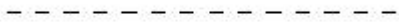
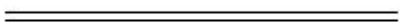
Subclass: Road.surface"Paved".lanes"4".type"Divided".statue"U/C"		DA25050320	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction and with a surface of concrete, asphalt or tar-gravel that is under construction at time of data capture.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mm dot <div><div>UNDER CONSTRUCTION</div><div><div></div></div></div> 1.0mm between dashes plot colour PURPLE		0.25mm width line 5.0mm dash 1.0mm between dashes <div><div>UNDER CONSTRUCTION</div><div><div></div></div></div> 0.6mm between lines MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• 2 lanes each way.• Separation not more than 50 metres• Minimum lenght 10 millimetres• Place identification as Text.type"Transportation" in the non-positional file			
DEM Y			



Subclass:Road.surface"Paved".lanes"4".type"Undivided"		DA25100210	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction with a surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 		0.25mm width solid line 1.0mm between lines 	
plot colour PURPLE			
Remarks: <ul style="list-style-type: none">• 2 lanes each way• Not divided• Minimum lenght 10 millimetres			
DEM Y			



Subclass: Road.surface"Paved".lanes"4".type"Divided".status"U/C"		DA25100350	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction with a surface of concrete, asphalt or tar-gravel that is under construction at time of capture.			
Positional Verification		Cartographic Representation	
0.5mm dot <div>UNDER CONSTRUCTION</div> <div>*****</div>		0.25mm width line 5.0mm dash 1.0mm between dashes <div>UNDER CONSTRUCTION</div> <div>-----</div> 1.0mm between lines	
plot colour PURPLE		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• 2 lanes each way• Not divided• Minimum length 10 millimetres• Place identification as Text.type"Transportation" in the non-positional file			
DEM Y			


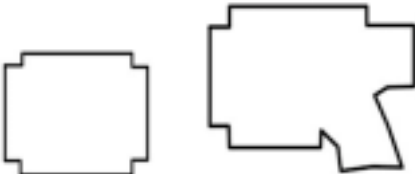
Subclass:Road.surface"Paved".lanes"6".type"Divided"		DA25050200	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction with a surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
<div>0.25mm width line</div> <div>3.0mm dash</div> <div>0.5mm dot</div> <div></div> <div>2.0mm from dash end to dot centre</div> <div>2.0mm between dots</div> <div>plot colour GREEN</div>		<div>0.25mm width line</div> <div>0.75mm between lines</div> <div></div>	
<div>Remarks:</div> <div><ul style="list-style-type: none">• 3 lanes each way• Separation not more than 50 metres• Minimum length 10 millimetres</div>			
DEM Y			

Subclass: Road.surface "Paved".lanes "6".type "Divided".status "U/C"		DA25050330	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction with a surface of concrete, asphalt or tar-gravel that is under construction at time of capture			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 2.0mm dash 1.0mm between dashes 		0.25mm width line 5.0mm dash 1.0mm between dashes 0.75mm between lines 	
plot colour GREEN		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• 3 lanes each way• Separation not more than 50 metres• Minimum length 10 millimetres• Place identification as Text.type "Transportation" in the non-positional file			
DEM Y			



Subclass:Road.surface"Paved".lanes"6".type"Undivided"		DA25100220	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction with a surface of concrete, asphalt or tar-gravel.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 		0.25mm width solid line 1.25mm between lines 	
plot colour GREEN			
Remarks: <ul style="list-style-type: none">• 3 lanes each way• Not divided• Minimum length 10 millimetres			
DEM Y			

Subclass: Road.surface"Paved".lanes"6".type"Divided".status"U/C"		DA25100360	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction with a surface of concrete, asphalt or tar-gravel that is under construction at time of capture.			
Positional Verification		Cartographic Representation	
0.5mm dot <div></div> plot colour GREEN		0.25mm width line 5.0mm dash 1.0mm between dashes <div></div> 1.25mm between lines MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• 3 lanes each way• Not divided• Captured in the positional file• Place identification as Text.type"Transportation" in the non-positional file			
DEM Y			


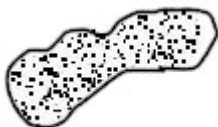
Subclass:Road.surface"Rough"		DA25150000	02/03
Definition: A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. An unimproved route (logging or secondary road) (4-wheel drive only)			
Positional Verification		Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 		0.25mm width line 5.0mm dash 1.0mm between dashes 	
plot colour ORANGE			
Remarks: <ul style="list-style-type: none">• Logging road (secondary)• 4-wheel drive only• Minimum length 10 millimetres			
DEM Y			



Subclass:Road.type"Intersection"		DA14800000	02/03
Definition: A meeting of roads on the same level.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• Not to be used in place of an Overpass.• Lines to extend a minimum of 2 millimetres past the actual intersection, or of sufficient distance to delineate any anomalies.• Right hand rule applies• Closed polygon, construction lines.			
DEM N			



Subclass:RockBluff		(symbol)	HB250000000	01
Definition: Any rock outcrop that could be used as a control point for either a block boundary or a road location.				
Positional Verification		Cartographic Representation		
0.25mm width line 2.0mm cross <div>+</div>		0.25mm width line 2.0mm cross <div>+</div>		
plot colour ORANGE				
Remarks:				
DEM N				

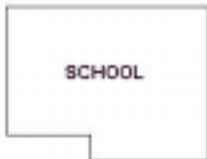

Subclass:Ruins		BL25600000	02/03
Definition: A generic term for any abandoned walled and roofed structure.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file			
DEM N			



S



Subclass: SandDunes		HB09450000	02/03
Definition: An area containing mounds of sand formed by natural action of wind or water.			
Positional Verification		Cartographic Representation	
AREA OUTLINE	AREA SYMBOL	AREA OUTLINE	AREA SYMBOL
0.25mm width solid line	text "SD"	0.25mm width line 1.5mm dash 1.5mm between dashes	random fill or
			
plot colour BROWN		area outline feature 0.25mm dots	
Remarks: <ul style="list-style-type: none">• Minimun size 10 square millimetres• Place identification as Text.type"LandForm" in the Non-positional file.			
DEM N			



Subclass:Sand/GravelBar		(area outline)	GE25850000	02/03
		(area symbol)	GE90100000	01
Definition: An area of sand or gravel projecting into or protruding from a body of water.				
Positional Verification			Cartographic Representation	
AREA OUTLINE		AREA SYMBOL	AREA OUTLINE	AREA SYMBOL
0.25mm width solid line		text "SB"	0.20mm width line 1.5mm dash 1.5mm between dashes	random fill or
				
plot colour BROWN			area outline feature 0.25mm dots	
Remarks:				
<ul style="list-style-type: none">Place identification as Text.type"LandForm" in the Non-positional file.				
DEM Y				

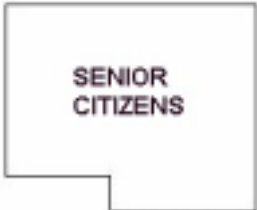
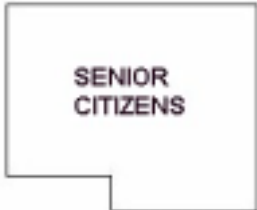
Subclass: SanitaryLandfill		AP09200110	02/03
Definition: An area set aside for the disposal of refuse by burying.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width line 3.0mm dash 1.5mm between dashes	
			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Include in DEM as AreaofExclusion• Place identification as Text.type"LandMark" in the non-positional file			
DEM Y			

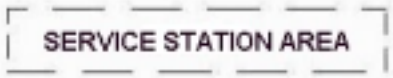
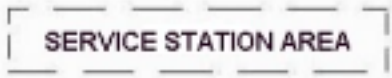
Subclass: School		BE26000000	02
Definition: A building housing an institution of primary or secondary education.			
Positional Verification		Cartographic Representation	
<div>0.25mm width solid line</div> <div></div> <div>MOEP font 31 UPPER CASE text</div> <div>plot colour BLACK</div>		<div>0.25mm width solid line</div> <div></div> <div>MOEP font 31 UPPER CASE text</div>	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"Landmark" in the non-positional file.			
DEM N			



Subclass:Scree		HB26150000	02/03
Definition: A sloping mass of debris consisting of stones and rock fragments located at the foot of a cliff or steep rocky face.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm between dashes		0.25mm width line 1.5mm dash 1.5mm between dashes	
			
2.0mm from dash end to dot centre		MOEP font 31 U/C text	
plot colour PURPLE			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandForm" in the non-positional file			
DEM N			



Subclass: ScrubArea		JD26200000	02/03
Definition: An area of low vegetation characterized by stunted trees, bushes and shrubs.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm between dashes		0.25mm width line 1.5mm dash 1.5mm between dashes	
			
2.0mm from dash end to dot centre		MOEP font 31 U/C text	
plot colour GREEN			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandCover" in the non-positional file			
DEM N			

Subclass:SeaWall	GE26250000	02/03
Definition: A wall built to prevent toe encroachment of sea water on land.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.25mm width solid line 1.25mm filled triangle 4.0mm between triangles 	
plot colour BLACK		
Remarks:		
DEM Y		



Subclass:SeniorCitizensHome		BN09350140	02
Definition: A facility providing accommodations for senior citizens.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
MOEP font 31 UPPER CASE text			
plot colour BLACK		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			

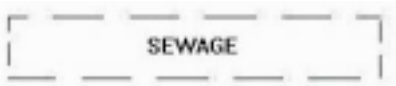
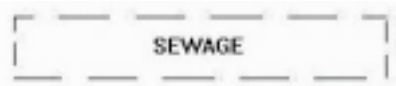
Subclass:ServiceStation Area		AQ90100000	02/03
Definition: A commercial establishment where gasoline and other automobile supplies are sold.			
Positional Verification		Cartographic Representation	
<div>0.25mm width line</div> <div>3.0mm dash</div> <div>1.5mm between dashes</div> <div></div>		<div>0.25mm width line</div> <div>3.0mm dash</div> <div>1.5mm between dashes</div> <div></div>	
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<div>• Place identification as Text.type"LandMark" in the non-positional file.</div>			
DEM N			



Subclass: SettlingPond		EA26700110	02/03
Definition: <i>An area containing the liquid waste from an industrial complex.</i>			
Positional Verification		Cartographic Representation	
0.25mm width solid line  SETTLING POND		0.25mm width solid line  SETTLING POND	
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file			
DEM Y			



Subclass:SewerLines.type"Sanitary"		EA21400470	02/03
Definition: A subterranean conduit to carry off sewage and sometmes surface water.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.0mm dot 1.0mm between dots 		0.25mm width line 1.0mm dot 1.0mm between dots 	
plot colour BLACK			
Remarks:			
DEM N			



Subclass: SewerLines.type"Storm"		EA21400580	02/03
Definition: A subterranean conduit to carry off surface water.			
Positional Verification		Cartographic Representation	
0.25mm width line 1.0mm dash 1.0mm between dashes <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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Subclass: SewageLagoon.type"Private"		AP19950100	02/03
<i>Definition: An area containing the liquid waste from an industrial complex.</i>			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
<i>Remarks:</i>			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file			
DEM Y			

Subclass: SewageTreatmentArea	AP26750000	02/03
<i>Definition:</i> An area where sewage is stored and/or processed.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i>		
<ul style="list-style-type: none">Place identification as Text.type"Landmark" in the non-positional file		
DEM N		

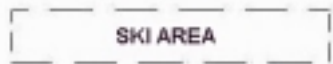
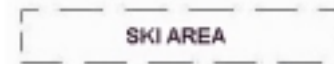
Subclass:ShoppingCentre	BB27050000	02
Definition: A large building containing several retail stores.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
Remarks:		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		

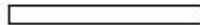
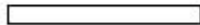
Subclass:Shrub		(symbol)	JD27200000	01
Definition: A low, usually multi-strmmed, woody plant.				
Positional Verification		Cartographic Representation		
0.25mm width solid line 1.5mm scallop 3.0mm diameter 		0.25mm width solid line 1.5mm scallop 3.0mm diameter 		
MOEP font 31 U/C "S" plot colour GREEN		MOEP font 31 U/C "S"		
Remarks:				
• Place identification as Text.type"LandCover" in the non-positional file				
DEM N				



Subclass:Sign		DD27400000	01
Definition: A board or other display used to post a command, warning or direction.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 1.5mm diameter open circle 1.5mm vertical 		0.25mm width solid line 1.5mm diameter filled circle 1.5mm vertical 	
plot colour BLACK			
Remarks:			
DEM N			

Subclass: Silo		(to scale) (symbolized)	CA27500000 BA90000110	02/03 01
Definition: An upright cylindrical structure used for storing silage.				
Positional Verification			Cartographic Representation	
TO SCALE 0.25mm width solid line		SYMBOL 1.0mm diameter open circle	TO SCALE 0.25mm width solid line	SYMBOL 1.0mm diameter filled circle
				
plot colour BLACK			MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place Identification as Text.type"LandMark" in the Non-positional fileCapture to scale if over 2 millimetres in diameter.				
DEM N				



Subclass: Sinkhole	HB27550000	01
<i>Definition:</i> Disappearing stream. A natural funnel shaped depression with underground drainage.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 1.5mm line segment 30° angle <div>></div>	0.25mm width solid line 1.5mm line segment 30° angle <div>></div>	
plot colour RED		
<i>Remarks:</i> <ul style="list-style-type: none">• Used to terminate hanging or disappearing drainage• This arrowhead is attached to hanging drainage to show the direction of flow and clarify the stream's termination		
DEM N		



Subclass: SkiArea	AL27700000	02/03
<i>Definition:</i> A ramp-like structure built on the side of a hill or mountain for the sport of ski-jumping.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the non-positional file		
DEM N		




Subclass: SkiJump	CL27750000	02/03
<i>Definition:</i> A ramp-like structure built on the side of a hill or mountain for the sport of ski-jumping.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
<div>SKI JUMP</div> 	<div>SKI JUMP</div> 	
MOEP font 31 UPPER CASE text	MOEP font 31 UPPER CASE text	
plot colour BLACK		
<i>Remarks:</i>		
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		



Subclass: SkiLift	CL27800000	02/03
<i>Definition:</i> A cable device for transporting skiers up a hill.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.25mm width solid line 0.5mm fadius filled circle 30.0mm between circles  MOEP font 31 UPPER CASE text	
plot colour BLACK		
<i>Remarks:</i>		
• Place identification as Text.type"LandMark" in the non-positional file		
DEM N		


Subclass: Slab	CR90300000	02/03
<i>Definition:</i> A strip of concrete laid as a single unjointed piece.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line 0.5mm fadius filled circle 30.0mm between circles	
<div><div>SLAB</div></div>	<div><div>SLAB</div></div>	
plot colour BLACK	MOEP font 31 UPPER CASE text	
<i>Remarks:</i> <ul style="list-style-type: none">• Place identification as Text.type"LandMark" in the non-positional file		
DEM N		

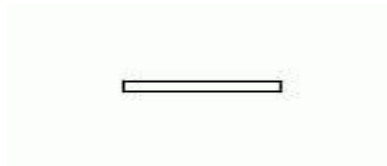
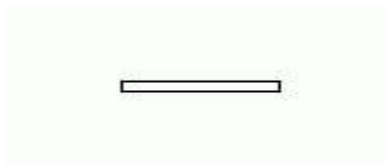
Subclass: Slide		(area outline)	HB27900000	02/03
		(area symbol)	HB90000000	01
<i>Definition:</i> A landform feature consisting of debris resulting from a sudden descent of a mass of earth or rock.				
Positional Verification			Cartographic Representation	
AREA OUTLINE		AREA SYMBOL	AREA OUTLINE	AREA SYMBOL
0.25mm width line		7.0mm arrow	0.20mm width line	7.0mm arrow
3.0mm dash		3.0mm "S" height	1.5mm dash	3.0mm "S"
0.5mm dot			height	
			1.5mm between dashes	
				
2.0mm from dash end to dot centre				
		MOEP font 31 U/C text		MOEP font 31 U/C text
plot colour BLACK				
<i>Remarks:</i>				
<ul style="list-style-type: none"> • Area Outline - Longest dimension over 10 millimetres • AreaSymbol - Point feature • Arrow to show slide direction • Although depicted on the verification plot the area symbol is not included in the positional file. 				
DEM Y				

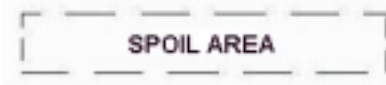
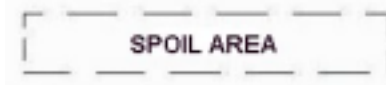
Subclass: Sluice	GA28200000	02/03
<i>Definition:</i> An artificial open passage of water or trough like structure used in floating logs.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.20mm width solid line	
<div>SLUICE</div> 	<div>SLUICE</div> 	
plot colour BLUE	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">A partial synonym for flume, with the implication that the water in a souice can be controlled by a gate or valve.Place identification as Text.type"LandMark" in the non-positional file		
DEM Y		



Subclass:SmokestackChimney		CG28300000		01	
Definition: An upright flue through which combustion gasses and smoke are discharged into the air.					
Positional Verification			Cartographic Representation		
TO SCALE		SYMBOL		TO SCALE	
0.25mm width line		0.7mm radius circle		0.25mm width line	
					
CH				CH	
plot colour BLACK			MOEP font 31 U/C text		
Remarks:					
<ul style="list-style-type: none">Do not show on top of buildingsWhen over 30 metres tall the height is captured as an attribute (MOEP type 05)Minimum size 2 sure millimetresPlace identification as Text.type"LandMark" in the non-positional file					
DEM N					



Subclass:Snag		(symbol)	JA31500110	01
Definition: Any tree that is dominant and dead; must have no foliage and standing.				
Positional Verification		Cartographic Representation		
0.25mm width line 2.5mm diameter open circle 0.5mm dot		0.25mm width line 2.5mm diameter open circle 0.5mm dot		
				
plot colour GREEN				
Remarks:				
<ul style="list-style-type: none">Used to tie into: i.e. reccie lines, roads and block boundaries.				
DEM N				

Subclass: Snowshed		DD283500000	02/03
Definition: A roofed structure built over a road or railway in mountainous areas to prevent snowslides from blocking a travelled route.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 1.5mm filled dot		SNOWSHED TERMINATOR	
		0.25mm width line 0.25mm width line 1.6mm between lines 0.7mm line at each end 	


Subclass: SolarCollector		CR90400000	02
Definition: A device used to collect solar energy.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.20mm width solid line	
			
plot colour RED			
Remarks: <ul style="list-style-type: none">• Minimum size for capture – 2 square millimetres.			
DEM N			



Subclass: SpoilArea		(symbol)	AG80700000	02/03
Definition: An area set aside for the dsposal of undesirable earthworks material.				
Positional Verification		Cartographic Representation		
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes 		
plot colour BLACK		MOEP font 31 U/C text		
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.				
DEM N				

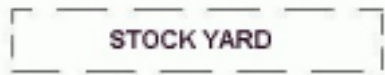
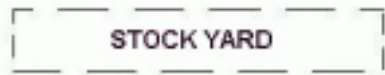
Subclass: SportsField	AL21900000	02/03
<i>Definition:</i> A hard or loose-surfaced area which sporting events take place.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes	0.25mm width line 3.0mm dash 1.5mm between dashes	
		
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">• Identification coded as Text.type"Landmark" in the non-positional file		
DEM N		



Subclass: SportTrack	AL22650110	02/03
<i>Definition:</i> A track which is used for human competition as opposed to one used for racing horses, automobile, etc.		
Positional Verification	Cartographic Representation	
0.25mm width line 	0.25mm width line 	
plot colour BLACK	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		



Subclass:SpotHeight	HA28700000	01
Definition: A point on the map for which the elevation above sea level has been determined photogrammetrically.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
+ 318	0.5mm diameter dot	
	1.4mm text height	
	• 318	
plot colour BLACK	MOEP font 32 (sloped) text	
Remarks:		
• Place identification as Text.type"Hypsographic" in the non-positional file.		
DEM Y		


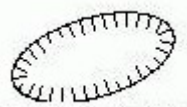
Subclass:Spring	GF28750000	01
Definition: A place where water flows naturally from the ground.		
Positional Verification	Cartographic Representation	
NOT SHOWN	0.7mm radius filled circle 	
Remarks: <ul style="list-style-type: none">• This feature is not captured as part of the positional file• It is added to the Toponymy layer from the 1:50 000 NTS published map sheet• The tail is downstream		
DEM N		

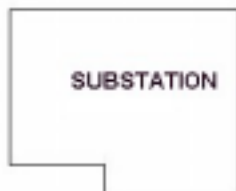
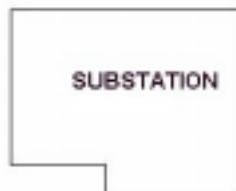
Subclass: StadiumArena		BL1050000	02/03
Definition: A large facility used for public events, sporting events and entertainment.			
Positional Verification		Cartographic Representation	
		0.7mm radius filled circle 	
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file.			
DEM N			

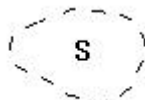

Subclass:StockYard	AB33850150	02/03
Definition: A holding area for livestock.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 	0.20mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK	MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		

Subclass:StorageArea	AB33850160	02/03
Definition: An area set aside for the storage of a commodity such as coal, etc.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 	0.20mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK	MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		



Subclass:StorageBin		CA02000000	02/03
Definition: A box, frame, crib, or enclosed place used for storage.			
Positional Verification		Cartographic Representation	
0.25mm width line		0.20mm width line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file			
DEM N			

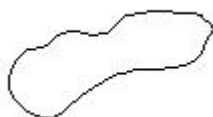
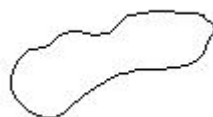
Subclass: SubmergedReef	GE23600000	02/03
<i>Definition:</i> A reef that does not normally appear above the water surface.		
Positional Verification	Cartographic Representation	
0.25mm width line	0.20mm width solid line	
	1.0mm tick	
1.5mm dash	1.20mm line width	
1.5mm between dashes	1.5mm between ticks	
		
plot colour BLUE	MOEP font 31 U/C text	
<i>Remarks:</i> <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		





Subclass:SubstationTransformer	EA32000160	02
Definition: An installation that is part of an electrical power distribution system.		
Positional Verification	Cartographic Representation	
0.25mm width line	0.20mm width line	
		
plot colour BLACK	MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file		
DEM N		

Subclass:Swamp		(area outline)	GC30050000	02/03
		(area symbol)	GC90200000	01
Definition: A water-saturated area, intermittently or permanently covered with water, having shrubs				
Positional Verification			Cartographic Representation	
AREA OUTLINE		AREA SYMBOL	AREA OUTLINE	
0.25mm width line		"S" text	0.25mm width line	
3.0mm dash			0.20mm width upper lines	
1.5mm between dashes			0.35mm width base lines	
				
plot colour RED			MOEP font 31 UPPER CASE text	
Remarks:				
<ul style="list-style-type: none">Area symbol – Indicates point inside outlineAlthough depicted on the verification plot the area symbol is not included in the positional file.Area Outline – Longest dimension over 3 millimetres				
DEM Y				

T

Subclass:TailingArea		AP30300000	02/03
Definition: An area containing the solid waste material prodiced in the minimg and milling of ore.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.25mm width solid line 1.0mm tick length 0.20mm tick width 1.5mm between ticks	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">• Tailing pile or area depicted the same.• Place identification as Text.type"LandMark" in the non-positional file			
DEM N			

Subclass:TailingPond		AP90300100	02/03
Definition: A hydrologic feature used to separate, collect, or filter waste material from an industrial complex.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.35mm width solid line	
			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• Longest dimension over 2.5 millimetres			
DEM Y			

Subclass:Tank		(to scale)	EA30400000	02/03
		(symbolized)	EA90000000	01
Definition: A cylindrical receptical used for storage.				
Positional Verification			Cartographic Representation	
TO SCALE	SYMBOLIZED	TO SCALE	SYMBOLIZED	
0.25mm width solid line	0.7mm radius filled circle	0.20mm width solid line	0.7mm radius filled circle	
				
plot colour BLACK		MOEP font 31 U/Ctext		
Remarks:				
<ul style="list-style-type: none">• To Scale - Area larger than 2 square millimetres• Symbolized - Area less than 2 square millimetres• Place identification as Text.type"Landmark" in the non-positional file				
DEM N				

Subclass:Text.type"AerialTriangulation"		KC90000000	06
Definition: This text feature is placed in the Non-positional file, e.g. Roll Number.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		Text Sample MOEP font 31 text	
Text Sample			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• Text feature• Required text is shown in the detailed specifications examples			
DEM N			

Subclass:Text.type"Hydrographic"		KB14250000	06
Definition: This text utilized where there is no official gazetted name for the hydrographic feature and placed in the Non-positional file. This feature does not supersede the "Text.type"Toponymy" feature code.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		<div>Text Sample</div> <div>MOEP font 32 text sloped</div>	
<div>Text Sample</div>			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Text featureRequired text is shown in the detailed specifications examples			
DEM N			

Subclass:Text.type"HypsographicContourNumbers"		KC14300130	06
Definition: Contour text is placed in the Representational Contour file.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		<div>Text Sample</div> 	




Subclass:Text.type"Landcover"		KC14300310	06
Definition: This text is placed in the Non-positional file. The text usually supplies the generic noun describing the feature.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		Text Sample MOEP font 31 text	
Text Sample			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• Text feature• Required text is shown in the detailed specifications examples			
DEM N			



Subclass:Text.type"LandForm"		KC14300320	06
Definition: This text is utilized where there is no official gazetted name for the landform feature and is placed in the Non-positional file. This feature does not supersede the "Text.type"Toponymy" feature code.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		<div>Text Sample</div> <div>MOEP font 31 text</div>	
<div>Text Sample</div>			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Text featureRequired text is shown in the detailed specifications examples			
DEM N			



Subclass:Text.type"Landmark"		KC90200000	06
Definition: This text is for the generic feature and is placed in the Non-positional file. This feature does not supersede the "Text.type"Toponymy" feature code.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		<div>Text Sample</div> 	



Subclass:Text.type"Toponymy"		KC90300000	06
Definition: This feature includes all gazetted and official names found in the files. These names are placed in the Representational file.			
Positional Verification		Cartographic Representation	
0.25mm width solid line			
Text Sample		Text Sample	
Text Sample		MOEP font 31 text	
plot colour BLACK		Text Sample	
		MOEP font 32 text sloped	
Remarks:			
<ul style="list-style-type: none">• Text feature• Required text is shown in the detailed specifications examples			
DEM N			



Subclass:Text.type"Transportation"		KC90100000	06
Definition: This feature includes all gazetted and official names found in the files. These names are placed in the Representational file.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		<div>Text Sample</div> <div>MOEP font 31 text</div>	
<div>Text Sample</div>			
plot colour BLACK			
Remarks: <ul style="list-style-type: none">Text featureRequired text is shown in the detailed specifications examples			
DEM N			



Subclass:TollGate		(to scale)		DD31000000	02/03
		(symbolized)		DD91000000	01
Definition: A barrier and/or booth on a transportation route at which a used fee is charged					
Positional Verification			Cartographic Representation		
TO SCALE		SYMBOLIZED		TO SCALE	
0.25mm width solid line		0.25mm width solid line		0.25mm width solid line	
					
plot colour BLACK		0.8mm open square		0.8mm filled square	
Remarks:					
<ul style="list-style-type: none">Place identification as Text.type"Transportation" in the Non-positional file.					
DEM N					



Subclass: Tower.type "Lookout"		CL19200000	01
Definition: A building or structure typically much higher than it's diameter or width, affording a wide view for observation.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type "LandMark" in the non-positional file			
DEM N			

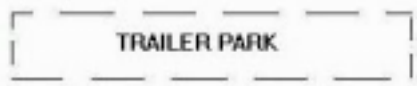

Subclass: Tower.type "Microwave"		CC31150110	01
Definition: : A building or structure typically much higher than it's diametre or width, that receives and transmits microwave communications transmissions.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
<div> MICROWAVE</div>		<div> MICROWAVE</div>	
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type "LandMark" in the non-positional file			
DEM N			



Subclass: Tower.type"Transmission"		CC90000000	01
Definition: A building or structure typically much higher than it's diameter or width, supporting a transmission line built to provide clearance above the surrounding objects or features.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
<div> TRANSMISSION</div>		<div> TRANSMISSION</div>	
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



Subclass: Tower.type"Unspecified"		CC31150000	01
Definition: A building or structure typically much higher than it's diameter or width, built to provide clearance above the surrounding objects or features.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 2.0mm square		0.25mm width solid line 2.0mm square	
			
plot colour BLACK		MOEP font 31 U/C text	
Remarks:			
DEM N			



Subclass: TrafficLights		DD31550000	01
Definition:			
Positional Verification		Cartographic Representation	
0.25mm width solid line 1.5mm diameter open circle 1.0mm line 		0.25mm width solid line 1.5mm diameter filled circle 1.0mm line 	
plot colour BLACK			
Remarks:			
DEM N			



Subclass:Trail	DD31700000	02/03
Definition: A narrow path or route, not wide enough for the passage of a four wheeled vehicle, suitable for hiking or cycling. Park paths and boardwalks are considered trails.		
Positional Verification	Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 	0.25mm width line 1.5mm dash 1.5mm between dashes 	
plot colour BROWN		
Remarks: <ul style="list-style-type: none">• Minimum length 20.0 millimetres		
DEM Y		



Subclass:TrailerPark	AN31950000	02/03
Definition: An area dedicated to temporary placement of recreation trailers and vehicles.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 	0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Note change from 1:20 000 definitions; see MobileHomePark.• Place identification as Text.type"Landmark" in the non-positional file		
DEM N		

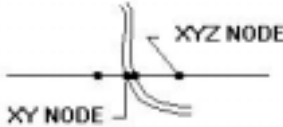
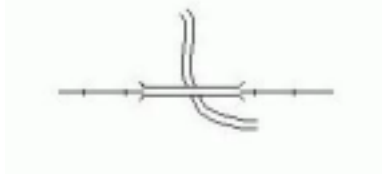
Subclass:TransmissionLine.type"Hydro"		EA16400120	02
Definition: A complex of wires and poles used in the transmission of electrical power.			
Positional Verification		Cartographic Representation	
<div>0.25mm width line</div> <div>3.0mm dash</div> <div>0.5mm dot</div> <div>2.0mm between dash end and dot centre</div> <div>2.0mm between dots</div> <div></div>		<div>0.20mm width line</div> <div>0.5mm radius filled circle</div> <div>3.0mm between circles</div> <div></div>	
plot colour BLACK			
Remarks: <ul style="list-style-type: none">• Continuous over 50 millimetres• Capture transmission line at tower base• No intermediate points captured between tower bases.			
DEM N			



Subclass:TransmissionLine.type"Power"		EA16400110	02
Definition: The complex of lines and pylons used in the transmission of electrical power (Major).			
Positional Verification		Cartographic Representation	
<div>0.25mm width line</div> <div>3.0mm dash</div> <div>0.5mm dot</div> <div>2.0mm between dash end and dot centre</div> <div>2.0mm between dots</div> <div></div>		<div>0.20mm width line</div> <div>0.5mm radius filled circle</div> <div>3.0mm between circles</div> <div></div>	
plot colour BLACK			
Remarks:			
DEM N			

Subclass:TransmissionLine.type"Unspecified"		EA16400120	02
Definition: One or more cables used for communication or power transmission.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 0.5mm dot 2.0mm between dash end and dot centre 2.0mm between dots 		0.20mm width line 0.5mm radius filled circle 3.0mm between circles 	
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">• Continuous over 50 millimetres• Capture transmission line at tower base• No intermediate points captured between tower bases.			
DEM N			



Subclass:Tree		(small symbol)	JA92050100	01
Definition: A tree growing freely in a generally open area.				
Positional Verification		Cartographic Representation		
0.25mm width solid line 3.0mm diameter circle  MOEP font 31 U/C "T" plot colour GREEN		0.20mm width solid line 1.5mm scallop 3.0mm diameter  MOEP font 31 U/C "T"		
Remarks: <ul style="list-style-type: none">Over two metres in heightPlace identification as Text.type"LandCover" in the Non-positional file.				
DEM N				

Subclass:TreeRow		JA25550000	02/03
Definition: A row of regularly spaced trees.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes		0.20mm width solid line 1.5mm scallop	
			
MOEP font 31 U/C "TR"		MOEP font 31 U/C "TR"	
plot colour GREEN			
Remarks: <ul style="list-style-type: none">Over two metres in heightPlace identification as Text.type"LandCover" in the Non-positional file.			
DEM N			

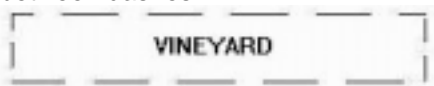
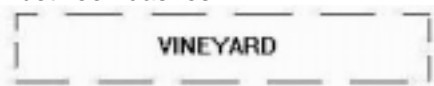
Subclass:Trestle	DD93200000	02/03
Definition: A braced framework erected along a travelled route to span a depression or opstacle.		
Positional Verification	Cartographic Representation	
0.25mm width solid line  plot colour BLACK	0.35mm width line TRESTLE DECK - 0.8mm between lines  TERMINATORS - 0.7mm line at ends 45° angle	
Remarks: <ul style="list-style-type: none">• Captured to scale• Plotted to scale when over 2.5 millimetres in length.• Trestle width is captured as an attribute (MOEP type 05).		
DEM N		


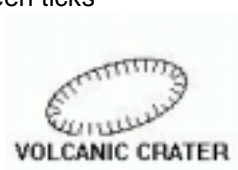
Subclass: Tunnel	DD93220000	02/03
Definition: A subterranean passageway providing a route for road, rail, and/or pedestrian traffic.		
Positional Verification	Cartographic Representation	
0.25mm width solid line  plot colour BLACK	TUNNEL 0.25mm width line 2.0mm dash 1.0mm between dashes  TERMINATOR 0.35mm width line 0.7mm line at 45° angle to 1.6mm line perpendicular to tunnel deck	
Remarks: <ul style="list-style-type: none">• Captured to scale in the positional file• identification coded as Text.type"Transportation" in the non-positional file		
DEM N		

U

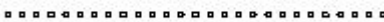
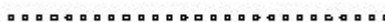
Subclass:University		BE32400000	02
Definition: A building containing an institution for the highest level of learning, study, and research, and empowered to grant degrees.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
MOEP font 31 U/C text plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandMark" in the Non-positional file.			
DEM N			



V


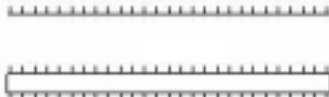
Subclass: Vineyard	JB32800000	02/03
Definition: A plantation of grapevines.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 	0.25mm width line 3.0mm dash 1.5mm between dashes 	
plot colour GREEN	MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">Place identification as Text.type"LandCover" in the Non-positional file		
DEM N		

Subclass:VolcanicCrater		HB07650130	02
Definition: A bowl - shaped depression at the summit of or around the orifice of a volcano cone, hill.			
Positional Verification		Cartographic Representation	
0.25mm width line 3.0mm dash 1.5mm between dashes 		0.25mm width line 0.20mm width tick 1.0mm tick length 1.5mm between ticks 	
plot colour BLACK		MOEP font 31 U/C text	
Remarks: <ul style="list-style-type: none">• Identification coded as Text.type"Landmark" in the non-positional file			
DEM Y			



W



Subclass:Walkway		DD90100000	02/03
Definition: A passage for walking.			
Positional Verification		Cartographic Representation	
0. 5mm dot		0. 5mm dot	
			
plot colour BLACK			
Remarks:			
DEM Y			



Subclass:Wall		CR32900000	02
Definition: A high masonry structure.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line	
			
plot colour BROWN			
Remarks:			
DEM N			



Subclass:Wall.type"Retaining"		DD24600000	02/03
Definition: A vertical structure constructed to enclose or divide an area.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width solid line 1.0mm ticks 1.5mm between ticks	
			
plot colour BROWN			
Remarks: <ul style="list-style-type: none">• Line – high side• ticks – low side• Low side is right side• Width 5 millimetres or greater, capture to scale as closed polygon and show symbol on both sides.			
DEM Y			

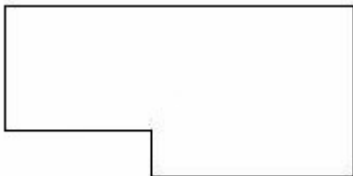
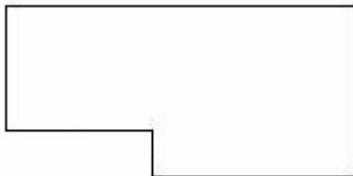
Subclass:WaterLevel(Dateof Photography)		HA33100000	01
Definition: The height above mean sea level of a water surface.			
Positional Verification		Cartographic Representation	
0.25mm width solid line 3.0mm length lines <div>+ 320</div> MOEP font 32 U/C text plot colour BLACK		0.25mm width solid line 3.0mm length lines <div>± 320</div> MOEP font 32 U/C text (sloped)	
Remarks: <ul style="list-style-type: none">• Lakes with shortest side over 300 metres require a water level• Capture as a point feature in the positional file• identification coded as Text,.type"Hydrographic" in the non-positional file			
DEM N			



Subclass:WaterTower	EA31050110	01
Definition: A structure usually much higher than it's diameter or width containing a tank used for storage of water.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK	MOEP font 31 U/C text	
Remarks:		
• Place identification as Text.type"LandMark" in the Non-positional file		
DEM N		



Subclass: Well.type"Gas"	CG12150000	01
<i>Definition:</i> A pit or hole dug or bored into the earth for the excavation of gas.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 2.0mm square 0.5mm radius circle	0.25mm width solid line 2.0mm square 0.5mm radius circle	
		
plot colour BLACK		
<i>Remarks:</i>		
DEM N		

Subclass: Well.type"Oil"	G19600000	01
<i>Definition:</i> A pit or hole dug or bored into the earth for the excavation of oil.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 2.0mm square 0.5mm radius circle 	0.25mm width solid line 2.0mm square 0.5mm radius circle 	
plot colour BLACK		
<i>Remarks:</i>		
DEM N		

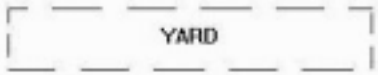
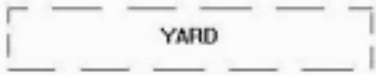
Subclass:Well.type"Water"	GF33400000	01
Definition: A pit or hole dug or bored into the earth for the excavation of water.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 2.0mm square 0.5mm radius circle <div></div>	0.25mm width solid line 2.0mm square 0.5mm radius circle <div></div>	
plot colour BLUE	MOEP font 31 U/C text	
Remarks:		
DEM N		

Subclass: WeighScale	CG33250000	02
<i>Definition:</i> A facility dedicated to the weighing of commercial vehicles.		
Positional Verification	Cartographic Representation	
0.25mm width solid line 	0.25mm width solid line 	
plot colour BLACK		
<i>Remarks:</i>		
DEM N		

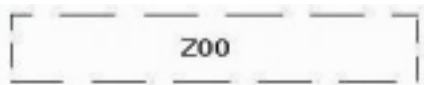
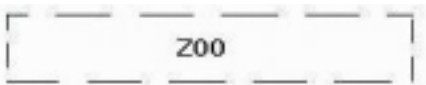
Subclass:Wharf	CQ33450000	02
Definition: A structure built along or at an angle from the shoreline, used for mooring vessels when loading or unloading cargo and/or passengers. Typically has large permanently emplaced cranes or other appliances.		
Positional Verification	Cartographic Representation	
0.25mm width solid line	0.25mm width solid line	
		
plot colour BLACK		
Remarks:		
DEM N		

Subclass:Wooded Area		JA33750000	02/03
Definition: A land area which is at least six (6) percent covered with trees that are two (2) metres or more in height.			
Positional Verification		Cartographic Representation	
0.25mm width solid line		0.25mm width line 1.5mm scallop	
			
plot colour GREEN		MOEP font 31 UPPER CASE text	
Remarks:			
<ul style="list-style-type: none">• Minimum area 4 square millimetres• Vertical accuracy 2.5 metres at 1:5 000, 1.2 metres at 1:2 500.• Right of ways 2.5 millimetres and greater captured.			
DEM N			

Y

Subclass:Yard	AB33850000	02/03
Definition: An enclosure within which materials may be stored.		
Positional Verification	Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 	0.20mm width line 3/0mm dash 1.5mm between dashes 	
plot colour BLACK	MOEP font 31 UPPER CASE text	
Remarks: <ul style="list-style-type: none">• Place identification as Text.type"Landmark" in the non-positional file		
DEM N		

Z

Subclass: Zoo		AL33900000	02/03
Definition: A park (zoological garden) or area where animals are kept for study and display			
Positional Verification		Cartographic Representation	
0.25mm width line 1.5mm dash 1.5mm between dashes 		0.25mm width line 3.0mm dash 1.5mm between dashes  MOEP font 31 UPPER CASE text	
plot colour BLACK			
Remarks:			
<ul style="list-style-type: none">Place identification as Text.type"LandMark" in the non-positional file			
DEM N			

PART III Detailed Business Object Specifications

Digital Baseline Mapping at 1:5 000 / 1:2 500

Detailed Business Object Specifications

The 1: 5 000 / 1:2 500 baseline datasets contain spacial and feature identification elements only. No associated textual database information.

Digital Baseline Mapping at 1:5 000 / 1:2 500

PART IV Appendices

Digital Baseline Mapping at 1:5 000 / 1:2 500

Appendix A - Deliverables

Digital Baseline Mapping at 1:5 000 / 1:2 500

A.1 Data Capture Deliverables

Positional File

1-2400 foot, 1/2 inch, magnetic tapes containing files, i.e.

Data File 1	Digital Elevation Model
Data File 2	Raw Contour File
Data File 3	Non-Positional File
Data File 4	Planimetric Positional File

Verification Plots:

- one DEM plot on paper
- one colour planimetric only plot on paper
- one contour plot on paper - brown contours with black indexes
- one combined planimetric and contour plot in colour on paper
- one polygon closure plot on paper
- one Branch approved node checking plot on paper
- one colour planimetric copy for classification (check plot copy)

Model set up records for all models covering the sheet.

Data Capture prints and diapositives for all models covering the sheet.

Sheet sign-off record indicating quality control procedures completed.

Quality Assurance check statistics and related information.

Quality Assurance plots.

Toponymy overlay and contour enhancement for representational file processing.

A.2 Cartographic Enhancement Deliverables

Representational File

1 magnetic tape, 2400 ft, 1/2 inch, containing two files.

- | | |
|--------|---|
| File 1 | Planimetry, toponymy, other text and surround |
| File 2 | Contours, contour numbers |

1 colour coded check plot on paper, produced directly from the IGDS Representation tape for inspection.

Plot Planimetry, text, surround contours and contour numbers

2 monochrome mylar final plots

Plot 1 Black liquid ink plot - Planimetry, text and partial surround

Plot 2 Black liquid ink plot - Contours and contour numbers

The map sheet docket containing all information relative to the production of the Position and Representation files.

A.3 Edit Notations

A standard set of edit notation based on the Federal system will be used based on a combination of colours, symbology and text as shown below. This system will be used by all editors in order that there will be no ambiguity as to the meaning of any edit notation.

Symbology

^	=	Add
X	=	delete
AMC	=	Amend Code
AME	=	Amend Elevation
AMO	=	Amend Orientation
AMP	=	Amend Position of Feature
AMR	=	Amend to Read
Tu	=	Touch up

Colour

RED	=	Positional Contractor Quality Check
ORANGE	=	Representational Contractor Quality Check
PURPLE	=	Branch Quality Audit

A.4 Procedures for Marking Contractor Toponymy Submissions

1. All Branch markings and corrections will be done in PURPLE as indicated in the edit notation colours.
2. Omitted names will be placed by Branch inspectors, as they should appear in the Representation submission.
3. The placement of names that require moving will be indicated with a line, this line will roughly indicate the beginning and end of a word with ticks.
4. The first letter of words to be placed will generally be bottom left justified. If proper name placement is dependent on the accurate placement of the end of a word, the last letter of the word will be printed indicating right justification.
5. Name placement in linear lake and wide doubleline river features will be indicated with a line having centre justification.
6. The moving of spot heights for clarity and to avoid conflict will be indicated with a line (see 3 above) and will be arrowed from the current position to the new position.
7. Text to be deleted will be crossed out with an X as indicated in the edit notation symbology.
8. Each contour label in a set of contour elevations will be indicated with a pair of ticks.

A.5 General Deliverables

Contractors will submit Operating Procedures for Branch approval that will include the following:

- production diagram
- resume of all production personnel
- photogrammetric equipment annual calibration reports
- quality assurance procedures

Appendix B Representation File Editing Guidelines (Cartographic Enhancement)

Appendix B - Cartographic Enhancement

B.1 General

These guidelines apply to the production of the Representational file and the map separations listed in 3.4.1.

Notwithstanding any instructions given here, all edits of the Representational File will conform to good cartographic practices.

B.2 Hierarchical Order for Feature Positioning

The Representational File will be edited in such a manner that the final product is cartographically acceptable. Every effort will be made to avoid conflict of data, with the restriction that survey data, survey control monuments, etc., will not be positionally edited.

These features are listed in the hierarchical order that will dictate precedence in feature positioning on the Representational File. (See B.4)

The following general rules for placement of symbology will further clarify this procedure.

B.2.1 Point Symbol (other than survey control)

These symbols should not normally be moved, unless there is no other choice

B.2.2 Linear Symbology

May be moved from the actual location, or if two features at the same level on the hierarchy conflict, they may be moved relative to each other equally from the actual position.

B.2.3 Area Symbology

Those features which define an area may have one or more sides adjusted for clarity.

B.2.4 Textual Information

Text, such as cultural, topographic and hydrographic are the most flexible features for re-positioning.

B.3 Specific Editing Situations

- All features including contours will be removed from inside primary and secondary road number symbols.
- All features including contours will be removed from inside utility symbols.
- Hydrography, and where applicable, roads and railways will be removed from between the two sides of a bridge symbol or feature.
- Area symbols such as marsh and swamp may be scaled by a factor of 0.75 to permit placement within the feature boundary. If the scaled symbol cannot be placed inside the feature, it will be placed adjacent to the feature.

B.4 Representational Hierarchy

1. Lakes and intermittent lakes.
2. Major rivers and streams.
3. Other streams.
4. Railroads and roads, cutlines.
5. Other hydrography (marshes, swamps) See B.4.1 other features.
6. Buildings and built-up areas.
7. Other cultural detail.
8. Tree line.

B.4.1 Hierarchy of Other Features

1. Glaciers
2. Icefields
3. Moraine
4. Scree
5. Marsh
6. Swamp

B.5 Basic Lettering Standards

B.5.1 Lettering Style

LEROY (Font 31,33 = Vertical, Font 32,34 = Italic)

B.5.2 Range of Text Sizes to be Used (Generic text)

These text sizes are to be used with the generic text, such as rapids, falls, scree, moraine, pit, etc.

LEROY

60 WT 0 = 1.4mm

80 WT 1 = 1.8mm

100 WT 1 = 2.2mm

B.5.3 Basic Lettering Guidelines

- Text associated with symbolized features other than hydrographic features will be capitals only.
- Text associated with natural symbolized hydrographic features will be U/L Italic as Rapids.
- The type size of labels may vary depending on the size of the area of length of feature.
- Labels will be in full, space permitting. However, abbreviations will be accepted if doing so keeps the label within the feature, when specifications require it.
- Labels should read from the bottom of the sheet where possible. When the angle of inclination of the linear feature, i.e. conveyor, increases the text will be placed above the feature (when practical) reading from either side of the sheet.
- Do not place text so that it appears over vertical.

B.6 Guidelines Regarding Text Placement

Labels along linear features, i.e. CONVEYOR, will be placed above and parallel to the feature where possible. Labels parallel to the neat line with one end of the word immediately adjacent to the central area of the feature.

Labels inside features, i.e. POOL, will be parallel to the bottom side (relative to the neat line) of the feature.

Labels of large irregular area outlines, i.e. PIT, STORAGE AREA, will be parallel to neat line, and, where practical, within the area outline.

Labels outside features, i.e. LOOKOUTS, will be parallel to the neat line.

Railway names will be shown unabbreviated once per map sheet where possible, up to a maximum of 50mm spacing between consecutive words in the name. Abbreviations (e.g. BCR, CPR, etc.) will be used where space does not permit use of the full name, and must be shown twice for railways extending over 250mm on the map sheet.

Appendix C Geographical Nomenclature (Toponymy)

Appendix C - Geographical Nomenclature (Toponymy)

The purpose of nomenclature is to orient the map user to a specific area of interest. Text size selection of named features will vary in relation to the significance of a feature on each individual map sheet, except those with set text sizes, e.g. railway points (station).

Official names of all Municipalities, unincorporated communities, water and land features, and railways including station names will be shown. Current toponymy will be supplied by Geographic Data BC. All official highway route numbers will be shown. This information is available from Geographic Data BC.

C.1 Range of Text Sizes to be Used (Toponymy)

LEROY		WT.	LINE WIDTH
60	= 1.4mm	0	0.2mm
80	= 1.8mm	1	0.25mm
100	= 2.2mm	1	0.35mm
120	= 2.6mm	2	0.50mm
140	= 3.1mm	2	0.50mm
175	= 3.7mm	3	0.70mm
200	= 4.3mm	3	0.70mm
240	= 5.2mm	4	1.00mm
290	= 6.3mm	4	1.00mm
350	= 7.7mm	4	1.00mm

Digital Baseline Mapping at 1:5 000 / 1:2 500
 Toponymy Letter Spacing Guide

100/120	2.0mm	
140 Small	4.0mm	
140 Medium	5.0mm	
140 Large	6.0mm	
175 Small	8.0mm	
175 Medium	11.0mm	
200 Medium	11.0mm	
200 Large	12.0mm	
240 Small	15.0mm	
240 Medium	20.0mm	
240 Large	25.0mm	
240 Ex Large	30.0mm	
290	35.0mm	

(Scale Approximate)

C.2 - Guidelines for Land Features

C.2.1 Land Features

Lettering of land features will be vertical in capitals unless otherwise specified. All text sizes are shown as Leroy Template numbers. (See Section B.5).

Large Area Land Features

RIDGE, GULCH, FLATS, CANYON	120, 140 (LEROY)
BLUFF	100, 120 (LEROY)

Mountain Range Names

Area Involved	WHOLE SHEET	200 (LEROY)
	HALF SHEET	175 (LEROY)
	MINIMUM	140 (LEROY)

Mountains Peaks

MOUNT, MOUNTAIN, PEAK (<i>abbreviate to MT and MTN</i>)	120 (LEROY)
---	-------------

The guidelines for applications for nomenclature to mountain ranges:

When a range is generally in ridge or spline form then the name will be placed along the backbone or height of land. When mountain range consists of several individual summits over a broad area with no clearly defined centre line, and then name placement will be centralized in area involved and parallel to the bottom neat line.

C.2.2 - Cities, Towns, Villages, Settlements, Localities, Railway Points, Post Offices

All of these will be in capitals except for Railway Points, which will be in upper and lower case.

Measured in Square Kilometres:

0 - 5,	120 (LEROY)	(Railway Points Max 120)
5 - 10,	140 (LEROY)	(Localities Max 140)
10 - 15,	175 (LEROY)	
15 - 25,	240 (LEROY)	
25 -	240 (LEROY)	

City, town and village names will be positioned within the populated areas when space permits. The text will be positioned to avoid clash with planimetric map detail. This can usually be accomplished by positioning the label over parks, playing fields, storage areas, and hatched areas where no significant detail will be obstructed.

NOTE: Where the railway point (station), Post Offices name is the same as the Municipality or unincorporated community name in which it is situated, the point (station), Post Offices name will not be shown.

C.2.3 Airports (Airfields, Airstrips)

Labelled 120 LEROY for single strip (capitals)

Labelled 140 LEROY for multiple strips (capitals)

C.2.4 Boundary Names

ALBERTA, ALASKA (USA), WASHINGTON (USA), YUKON TERRITORY (capitals)

Labelled 120 LEROY (capitals)

C.2.5 Land Features Within Water Areas

Large land area features, i.e. islands, peninsulas, etc. use same guide as given for water features, (see C.3.4) Small islands 0 - 10 square kilometres use U/L 60, 120 LEROY.

NOTE: Text size will vary depending on density of detail and/or Toponymy in immediate area.

POINT NAMES 120 LEROY

ROCK, ISLET 100 LEROY

ISLETS 100, 120 LEROY

C.3 - Guidelines for Nomenclature of Water Features

Water features, i.e. pond, lake, etc., are labelled in sloped (italic) lettering.

C.3.1 Coastal Features

Open ended coastal drainage feature, i.e. passage, channel, strait. When entire feature appears on map, mark each end; create the centre line through the feature, divide in thirds and place name as per guidelines for creeks and rivers. When only a portion of feature appears on sheet, create centre line from mapped end of feature to neatline and divide this length in thirds.

C.3.2 Closed Ended Water Features

(i.e. *COVE, ARM, SOUND, INLET, HARBOUR, BAY*)

When length of feature is more than 3 times the width then place name as per guidelines for open ended waterways, i.e. inlets, arms, harbours. When the feature is more regular than the 3 to 1 ratio, then the name will be placed centrally parallel to the bottom neat line.

C.3.3 Guidelines for Application to Nomenclature to Drainage

1. All named rivers (double-line and single-line) will be capitals.
2. Creeks are labelled in U/L lettering, regardless whether single or double line.

C.3.4 Text Size Selection Relative to Water Feature Area

General guidelines for text size selection relative to water features in terms of area involved.

At Map Scale: 1:20 000

0	-	100 Hectares	120 LEROY U/L
100	-	800 Hectares	140 LEROY CAPS
800	-	1/16 SHEET AREA	175 LEROY CAPS
1/16	-	1/4 SHEET AREA	200 LEROY CAPS
1/4	-	1/2 SHEET AREA	240 LEROY CAPS
1/2	-	ENTIRE SHEET AREA	290 LEROY CAPS

Optimum name placement will be within the feature; either straddling the main centre line of an elongated lake or parallel to the neat line centrally located when space permits.

C.3.5 General Guidelines for Text Size Selection Relative to Water Features in Term of Length Involved

Rivers and creeks length of feature at map scale.

0	-	1000m	= 100 LEROY
1000	-	2000m	= 120 LEROY
2000	-	4000m	= 140 LEROY
4000	-	6000m	= 175 LEROY
6000	-	8000m	= 200 LEROY
8000m	-	m	= 240 LEROY

C.3.6 Name Placement Relative to Creek, River and Other Fresh Water Irregular Drainage Patterns

Name placement will be above the feature relative to the bottom of the sheet, unless minimal length of feature appearing on sheet and lettering size required make it prohibitive, or when dense planimetric detail above feature makes name positioning impractical.

Then, placing the name under the feature can be considered.

Measure the length of the feature and divide it in thirds. The name will be placed generally centred over the first third mark, and the River (Creek) word will be centred over the second third mark. When planimetric or draining detail conflict at this positioning, attempt to alleviate by moving names closer together, not further apart.

The optimum space between the feature and the bottom of the words is 1/2 to 1 1/2 times the selected text height.

NOTE: Abbreviations will be accepted when length of feature is insufficient to apply label according to specification guidelines. Instances may occur when adherence to specification guidelines may prove unfeasible due to conflict with significant detail. In these cases, abbreviations of creek, lake or river should be the first option considered.

C.3.7 Name placement on Drainage which Joins a Through Stream

Optimum application of nomenclature to the through drainage feature will place the name on one side of the adjoining drainage and the generic term (creek, river, stream, etc.) on the other. This requirement supersedes the 1/3 - 2/3 normal alignment.

When the junction occurs too close to the neat line or pertinent detail, then the letters of the name or generic term should straddle the adjoining drainage without coming into conflict with it. In instances where normal procedures are impractical, the lettering of the incoming creek should be placed further up into its headwaters than the normal 1/3 - 2/3 guideline would indicate to allow more visual impact to the lettering of the through creek.

NOTE: It is imperative in the name placement of irregular drainage features that no more than the first letter or the last letter of a word extend past the vertical relative to the bottom neat line.

It is inevitable that, in following these guidelines, the initial position of proposed name application will make one or more letters come in conflict with map detail, which should be avoided.

Appendix D - Municipal Nomenclature (Toponymy)

Municipal Nomenclature (Toponymy)

D.1 Transportation Features

All official street names will be shown. Labels will be placed along feature centre line inside the feature where size permits, otherwise labels will be placed above the top side of the feature parallel to the feature centre line.

D.2 Utilities

Labels will be placed along all linear features above the feature, above all point features parallel to map neat line, and inside all area features where space permits otherwise above the feature parallel to map neat line.

D.3 Significant Cultural Features

Area features will have labels placed in the centre of the feature parallel to map neat line if size permits otherwise label will be placed above the feature. Point features will have labels placed above and parallel to map neat line.

Appendix E Surround Information

Appendix E - Surround Information

E.1 Cartographic Separations

Any or all of the following hard copy cartographic separations may be specified for each project. These plotted separations will be used to produce the map layers and combinations as required.

Separation 1 - Master Surround and Legend Information
Separation 2 - Planimetry (Drainage, Cultural, Toponymy)
Separation 3 - Contours
Separation 7 - Orthophoto

E.2 Master Surround

E.2.1 Master Surround

The Master Surround provides the standard border for 1:1 000/1:500 map sheets produced in accordance with the British Columbia Geographic System of Mapping.

Within the surround area, data pertinent to the specific map sheet (variable data) and data specific to the project as a whole (non-variable data) is displayed to assist the map user.

The non-variable data is stored in IGDS Design file format within the Branch's Intergraph environment.

All data is positioned within the file in relation to the fixed origin located beyond the bottom-left corner. This data constitutes the Master Surround. Copies of the Master Surround data are available through the Branch upon request.

E.2.2 Variable Data includes:

- | | |
|----|--|
| a) | Sheet number |
| b) | Adjoining sheet number |
| c) | Magnetic declination data |
| d) | UTM zone number |
| e) | Type of data available in digital format |
| f) | Photo scale, date flown and year of map production |

This data is placed into the respective data field during Representation File Processing. Those items listed at a - e inclusive, are placed by a software subroutine invoked by keying in the Map sheet Number. Item f is keyed in individually.

All other variable data is to appear in the Planimetric Representation file.

E.2.3 Non-Variable Data includes:

- i) Standard map sheet border
 - ii) Scale bar and representation fraction
 - iii) Map projection and geodetic datum note
 - iv) B.C. Government logo
 - v) Contour information and note<R>Re: Datum for elevation
 - vi) Legend
 - vii) Data fields at fixed distance from the origin and is an integral part of the Master Surround data file.

E.3 Legend

The legend provides samples of the symbology used to depict those details most commonly occurring on the 1:5 000/1:2 500 mapping produced under Municipal GIS initiative.

Appendix F Standard Abbreviations

Appendix F - Standard Abbreviations

F.1 Feature/Map Element or Text Abbreviations

This section provides the user with an alphabetical listing of names and their abbreviations or acronyms found in this manual or appropriate dataset.

	A	
Abandoned		Aband
Alaska		ALAS
Alberta		ALTA
Anchorage		Anch
Approximate		Approx
	B	
Bay		B
Bench Mark		BM
Block		Blk
Boundary		Bdy
Breakwater		Bkwr
British Columbia Geographic System		BCGS
British Columbia Hydro and Power Authority Railway		BCH&PAR
British Columbia Hydro Power Authority		BCH&PA
British Columbia Railway		BCR
British Columbia Telephone		BCTel
British Columbia		BC
Brook		Br
Building		Bldg
Burlington Northern Railway		BNR
	C	
Canada Centre for Mapping		CCM
Canadian Council on Surveying and Mapping		CCSM
Canada Lands Survey Records		CLSR
Canadian Forces Base		CFB
Canadian National Railways		CNR
Canadian Pacific Railway		CPR
Channel		Chan
Coal Lease		CLease
Coal Licence		CL
Coast Meridian		CM
Construction		Constr
Cove		C
Creek		Cr
Crown Grant		CG
	D	
Department of National Defence		DND
Department of Transport		DOT
Digital Elevation Model		DEM
District		Dist
District Lot (vertical)		L
	E	
East		E
East of Coast Meridian		ECM
Energy Mines and Resources		EMR
Entrance		Ent
Esquimalt and Nanaimo Railway		E&NR
Example		eg
Explanatory		Ex

	F	
Foot, Feet		ft
	G	
Glacier		Gl
Government		Govt
Group		Gp
Gulf		Gl
	H	
Harbour		Hr
Head, Headland		Hd
Height		Ht
High Water		HW
Highway		Hwy
	I	
Idaho		ID
Indian Affairs Surveys Records		IASR
Indian Reserve		IR
Inlet		In
International Boundary		Int Bdy
Islands		Is
Island		I
Islet, Islets		It, Its
InterGraph Display Systems		IGDS
	J	
Junction		Jct
	K	
Kilometre		km
	L	
Lagoon		Lag
Lake, Lakes		L, Ls
Land Title Office		LTO
Landing		Ldg
Latitude		Lat
Longitude		Long
Low Water		LW
	M	
Map Feature Coding		MFC
Metre		m
Millimetre		mm
Mineral Claim		MC
Ministry of Crown Lands		MoCL
Ministry of Environment, Lands and Parks		MELP
Ministry of Environment and Parks		MOEP
Ministry of Lands and Parks		MoLP
Monument		Mon
Mount		Mt
Mountain, Mountains		Mtn, Mtns
Montana		MONT
Municipality		Mun

	N	
Narrows		Nrs
National		NAT
National Topographic System		NTS
Natural (gas)		Nat
North		N
North American Datum 1927		NAD/27
North American Datum 1983		NAD/83
Northwest Territories		NWT
Number		N ^o
	P	
Passage		Pass
Peak		Pk
Peninsula		Pen
Plan Number (Land Title Office)		Pl
Point		Pt
Provincial		Prov
	R	
Railway		Rly
Range (Township Range) (vertical)		Rg
Reef, Reefs		Rf, Rfs
Reference		Ref
Regional Surveyor British Columbia		RSBC
Reserve		Res
Right of Way		R/W
River		R
Road, Roadstead		Rd
Rock, Rocky		Rk
Rocks		Rks
	S	
Saint		St
Section		Sec
Sketch		Sk
Sound		Sd
South		S
Station		Sta
Statutory Right of Way		SR/W
Strait		Str
Street		St
Sub Lot		SL
Suburban		Sub
Geographic Data BC		GDBC
	T	
Township		Tp
Terrain Resource Information		TRIM

	U	
Under Construction		U/C
Upper Case		U/C
Upper and Lower Case		U/l
United States, United States of America		USA
Universal Transverse Mercator		UTM
	W	
Washington		WASH
West		W
West of Coast Meridian		WCM
	Y	
Yukon Territory		YT

Appendix G - IGDS Level/Colour Guidelines

Digital Baseline Mapping at 1:5 000 / 1:2 500

Appendix G – IGDS Level/Colour Guidelines

G.1 Feature Code - Feature Name - Level/Colour Correlation

All digital data provided under this specification is uniquely identified by a feature object name that can be correlated to a feature code. Graphic display systems such as Intergraph do not allow for the inclusion of a unique alphanumeric code without the attachment of an external database. To provide feature uniqueness within such an environment, features have been assigned a combination of IGDS level (layer) and colour. This table lists the features by feature code and provides guidelines for level placement and colour assignment.

A

Feature Code	Feature Name	IGDS Level / Colour	
AA10550120	ExperimentalFarmStation	1	42
AB33850000	Yard	1	16
AB33850110	AutoWrecker	1	30
AB33850140	LumberYard	1	31
AB33850150	StockYard	1	32
AB33850160	StorageArea	1	64
AD25800000	ConservationArea	1	36
AD25800110	BirdSanctuary	1	35
AF11150000	FishHatchery	1	9
AF11150100	FishFarm	1	67
AG09850000	ElectricalSubstationComplex	1	27
AG17500150	LumberMill	1	44
AG17600000	Mine.type"OpenPit"	1	22
AG17750000	Mine	1	12
AG20850000	PeatCutting	1	50
AG21275000	Pile.type"RawMaterial"	1	23
AG21550000	Pit.type"GravelSand"	1	21
AG21550001	Pit.type"Abandoned"	1	24
AG22450000	Quarry.type"Dry"	1	38
AG80700000	SpoilArea	1	62
AG90100000	Dockyard	12	21
AG91275000	Pile.type"Unspecified"	1	37
AJ00650000	AmmunitionDump	1	2
AJ01650000	MilitaryEstablishment	1	11
AJ23350000	Range.type"Military"	1	66
AL03900000	CampgroundCampsite	1	3
AL07500120	TennisCourt	1	72
AL09000000	DriveinTheatre	1	6
AL10250000	ExhibitionGrounds	1	8
AL12342200	GolfGreen (symbol)	1	112
AL12350000	GolfCourse	1	10
AL12350110	Golf.type"Miniature"	1	29
AL12350200	GolfGreen	1	68
AL12350300	GolfSandTrap	1	69
AL12350400	GolfTee	1	70
AL12352300	GolfSandTrap (symbol)	1	113
AL12352400	GolfTee (symbol)	1	114
AL13650000	HistoricMonument	26	39
AL13652100	HistoricMonument.type"Marker"	26	59
AL20150000	Park/PicnicArea	1	33
AL21850000	PlayGround	1	65
AL21900000	SportsField	1	15
AL22650000	RaceTrack	1	19
AL22650110	SportTrack	1	20
AL23300000	Range.type"Civilian"	1	56
AL23300120	DrivingRange	1	5
AL24800000	Rink	7	72
AL27700000	SkiArea	1	60
AL33900000	Zoo	1	18

AL90100000	CourtYard	1	40
AL90200000	Foundation	7	60
AM04560000	Cemetary	1	4
AN18100000	MobileHomePark	1	48
AN31950000	TrailerPark	1	17
AP09200000	Dump	1	7
AP09200110	SanitaryLandfill	1	58
AP19950100	SewageLagoon.type"Private"	40	30
AP26750000	SewageTreatmentArea	1	14
AP27850000	MineWaste	1	46
AP30300000	TailingArea	1	26
AP90300100	TailingPond	40	13
AQ00450000	AirField	3	2
AQ00500000	Airport	3	1
AQ00550000	Airstrip	3	3
AQ00550001	Airport.status"Abandoned"	3	5
AQ00600000	Heliport	3	8
AQ10800000	FerryRoute	12	11
AQ13450000	Helipad (symbol)	3	4
AQ13451000	Helipad	3	12
AQ20400000	ParkingLot	1	71
AQ23000000	RailYard	1	52
AQ25670110	AirFeature.type"Runway".status"Paved"	3	6
AQ25670120	AirFeature.type"Runway".status"Unpaved"	3	7
AQ90100000	ServiceStationArea	1	54
AS90000000	DesignatedArea	1	1
AS90000100	AreaUnderDevelopment	1	34

B

BA01450000	Barn	7	3
BA12600000	GrainElevator	7	62
BA12800000	Greenhouse	7	36
BA90000110	Silo (symbol)	7	5
BA90100000	Greenhouse (symbol)	7	37
BB26600000	ServiceStation	1	103
BB27050000	ShoppingCentre	7	69
BC29250000	CommunicationsBuilding (symbol)	7	6
BC99250000	CommunicationsBuilding	7	7
BE05900000	College	7	23
BE16200000	Library	7	21
BE26000000	School	7	25
BE32400000	University	7	27
BF01850000	CustomsOffice	7	9
BF05550000	CityHall	7	31
BF07550000	Courthouse	7	33
BF10950120	FireLookoutTower (symbol)	26	21
BF10951120	FireLookoutTower	26	60
BF11000000	FireStation	7	11
BF12450000	GovernmentBuilding	7	61
BF20950000	Penitentiary	7	15
BF22000000	PoliceStation	7	17
BF22250000	PostOffice	7	19
BG10300000	Factory	7	59

Digital Baseline Mapping at 1:5 000 / 1:2 500

BG17450180	Mill.type"Plywood"	7	103
BG22400130	PumpingStation.type"Water"	26	31
BG22500110	ValveChamber.type"Water"	26	63
BG23650000	Refinery	7	73
BH02100000	AmbulanceBuilding	7	54
BH13950000	Hospital	7	13
BL01050000	StadiumArena	7	66
BL13100130	CommunityCentre	7	40
BL13700000	HeritageBuilding	7	64
BL18900000	Museum	7	74
BL25600000	Ruins	7	71
BL30100000	Pool.type"Swimming".status"Indoor"	7	93
BL30150000	Pool.type"Swimming".status"Outdoor"	7	94
BM03350000	Building.type"Religious"	7	38
BM05300100	Building.type"Religious".status"Christian"	7	121
BN00900000	ApartmentBuilding	7	56
BN09350140	SeniorCitizensHome	7	70
BN12000000	Garage.type"NonCommercial"	7	89
BN14100140	TownHouse	7	100
BP26800000	PumpingStation.type"Sewer"	26	28
BP26850000	SewageTreatmentPlant	7	98
BP30000000	RecyclingDepot	7	97
BQ30750140	FerryTerminal	7	47
BQ31100000	AirTrafficControlTower	7	53
BR00400100	Porch	7	96
BR80300000	Stairs	7	99
BR90000000	Building	7	2
BR90000110	Building (symbol)	7	1
C			
CA02000000	StorageBin	7	76
CA02000100	Crib	7	88
CA06450000	CornCrib	7	87
CA27500000	Silo	7	8
CB01950000	Billboard	20	9
CB11850000	FuelPump	26	53
CB11850130	FuelPump.type"Gasoline"	26	55
CB11852000	FuelPump (symbol)	26	60
CB11852130	FuelPump.type"Gasoline" (symbol)	26	56
CB22250000	MailBox.type"Permanent"	7	92
CB29150000	Kiosk	7	90
CB29152000	Kiosk (symbol)	7	91
CC00850000	Antenna (symbol)	6	32
CC31150000	Tower.type"Unspecified" (symbol)	26	16
CC31150110	Tower.type"Microwave" (symbol)	26	19
CC31152110	Tower.type"Microwave"	26	68
CC90000000	Tower.type"Transmission" (symbol)	26	2
CC90002000	Tower.type"Transmission"	26	69
CG03550000	Burner (symbol)	7	44
CG07600000	Crane.type"Permanent" (symbol)	7	49
CG07610000	Crane.type"Permanent"	1	102
CG09100000	Drydock	12	23
CG12150000	Well.type"Gas" (symbol)	26	34
CG13800000	Hopper	26	40

CG15150000	Kiln	7	83
CG19600000	Well.type"Oil" (symbol)	26	3
CG28300000	SmokestackChimney (symbol)	7	43
CG28300100	SmokestackChimney	7	42
CG33250000	WeighScale	7	50
CG95150000	Kiln (symbol)	7	82
CJ03660000	Butts	20	11
CJ22300000	AmmunitionMagazine	7	55
CL02050000	Bleachers	7	65
CL11300000	Pole.type"Flag" (symbol)	6	1
CL11800000	Fountain	26	38
CL12650000	Grandstand	7	63
CL18400200	HistoricMonument (symbol)	26	58
CL19200000	Tower.type"Lookout" (symbol)	26	32
CL19202000	Tower.type"Lookout"	26	67
CL27750000	SkiJump	7	45
CL27800000	SkiLift	26	7
CL29500000	Statue	7	104
CL29502000	Statue (symbol)	7	106
CL91800000	Fountain (symbol)	26	37
CM28600000	ChurchSteeple	7	86
CP14550000	Incinerator	7	81
CP94550000	Incinerator (symbol)	7	80
CQ00300000	AerialCableway	19	4
CQ01850000	Beacon (symbol)	12	9
CQ06400000	Conveyor	1	28
CQ08850000	Dock	26	41
CQ08850110	LoadingDock	26	44
CQ08850130	FerryDock	12	10
CQ08850160	Dock/Marina	12	15
CQ15800000	BoatRamp	12	29
CQ16350100	Lighthouse	12	18
CQ16500000	Locks	12	20
CQ21250000	Pier	12	6
CQ21250100	BoomPier	12	30
CQ21750000	Platform	26	45
CQ22600000	Quay	12	25
CQ23100000	Ramp	19	9
CQ23450000	ChannelMarker (symbol)	12	17
CQ23450100	Buoy (symbol)	12	13
CQ28000000	Slip	12	31
CQ28000100	FerrySlip	12	34
CQ29600200	Canopy	7	102
CQ33450000	Wharf	12	28
CQ36500000	BusShelter	7	84
CR01600000	Barrier	20	8
CR10750000	Fence	26	8
CR12200000	Gate	20	18
CR12202000	Gate (symbol)	20	19
CR21300000	Piling (symbol)	12	33
CR26900100	Balcony	7	85
CR29600300	Veranda	7	101

Digital Baseline Mapping at 1:5 000 / 1:2 500

CR32900000	Wall	7	75
CR90200000	GunEmplacement	7	58
CR90200100	GunEmplacement (symbol)	7	57
CR90300000	Slab	7	68
CR90400000	SolarCollector	26	42
CR90500000	Rack	26	46

D

DA25000110	Road.surface"Loose".lanes"1".type"Undivided"	17	7
DA25000120	Road.surface"Loose".lanes"2".type"Undivided"	17	6
DA25000160	Road.surface"Loose".lanes"1".type"Undivided".status"U/C"	17	51
DA25000170	Road.surface"Loose".lanes"2".type"Undivided".status"U/C"	17	16
DA25050180	Road.surface"Paved".lanes"2".type"Divided"	17	5
DA25050190	Road.surface"Paved".lanes"4".type"Divided"	17	3
DA25050200	Road.surface"Paved".lanes"6".type"Divided"	17	1
DA25050310	Road.surface"Paved".lanes"2".type"Divided".status"U/C"	17	15
DA25050320	Road.surface"Paved".lanes"4".type"Divided.status"U/C"	17	14
DA25050330	Road.surface"Paved".lanes"6".type"Divided".status"U/C"	17	11
DA25060100	Road.type"BusLane"	17	55
DA25100180	Road.surface"Paved".lanes"1".type"Undivided"	17	38
DA25100190	Road.surface"Paved".lanes"2".lanedir"OneWay"	17	23
DA25100200	Road.surface"Paved".lanes"3".type"Undivided"	17	21
DA25100210	Road.surface"Paved".lanes"4".type"Undivided"	17	4
DA25100220	Road.surface"Paved".lanes"6".type"Undivided"	17	2
DA25100320	Road.surface"Paved".lanes"1".type"Undivided".status"U/C"	17	39
DA25100330	Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"	17	24
DA25100340	Road.surface"Paved".lanes"3".type"Undivided".status"U/C"	17	22
DA25100350	Road.surface"Paved".lanes"4".type"Undivided".status"U/C"	17	13
DA25100360	Road.surface"Paved".lanes"6".type"Undivided".status"U/C"	17	12
DA25150000	Road.surface"Rough"	17	25
DA25300190	Road.surface"Paved".lanes"2".type"Undivided"	17	42
DA25300330	Road.surface"Paved".lanes"2".type"Undivided".status"U/C"	17	43
DA94900000	ElevatedRoadway	20	15
DB00100000	AccessLane	17	26
DB00100100	Driveway	17	53
DB00100100	Road.type"Driveway"	17	31
DC31700100	FootPath	17	28
DC31850110	BikePath	17	27
DC90100000	Walkway	20	17
DC91800120	EquestrianPath	17	29
DD08350000	CutEarthwork	17	18
DD08500000	Culvert	20	14
DD09950000	FillEmbankment	17	19
DD12950000	GuardRail	20	16
DD14800000	Road.type"Intersection"	19	5
DD24600000	Wall.type"Retaining"	17	20
DD25650000	RailwayBumper (symbol)	21	9
DD27250000	Road.type"Shoulder"	19	10
DD27400000	Sign (symbol)	6	30
DD28350000	Snowshed	20	6
DD29650000	Backstop	20	7
DD30200000	RailwaySwitch (symbol)	21	13
DD31000000	TollGate	7	46
DD31550000	TrafficLights (symbol)	6	31

DD31700000	Trail	17	8
DD32300000	RailwayTurntable	21	8
DD90100000	Funicular	19	7
DD91000000	TollGate (symbol)	7	52
DD91650000	RailwayScale (symbol)	21	11
DD93100000	FootBridge	19	3
DD93200000	Trestle	20	2
DD93220000	Tunnel	20	4
DD93250000	Bridge	19	2
DD98500000	Culvert (symbol)	20	13
DD99850000	Overpass	19	6
DE22850000	RailLine.type"DoubleTrack"	21	2
DE22900000	RailLine.type"MultipleTrack"	21	1
DE22950000	RailLine.type"SingleTrack"	21	3
DE22950001	RailLine.type"AbandonedTrack"	21	5
DE22950160	RailLine.status"StreetCar".type"SingleTrack"	21	12
DF28850000	RailLine.type"Spur"	21	4
E			
EA03800000	Cable.type"Insulated"	26	6
EA04300000	CatchBasin	12	19
EA10850000	FiltrationBeds	40	32
EA14201000	FireHydrant (symbol)	26	51
EA16400000	TransmissionLine.type"Unspecified"	26	33
EA16400110	TransmissionLine.type"Power"	26	50
EA16400120	TransmissionLine.type"Hydro"	26	4
EA16850000	Manhole (symbol)	26	65
EA16850110	Manhole.type"Electrical" (symbol)	26	64
EA16850130	Manhole.type"Sewer" (symbol)	26	54
EA16850160	Manhole.type"Telephone" (symbol)	26	62
EA16850200	Manhole.type"Gas" (symbol)	26	57
EA21400000	Pipeline	26	1
EA21400270	Pipeline.type"Gas"	26	26
EA21400470	SewerLine.type"Sanitary"	26	27
EA21400580	SewerLine.type"Storm"	26	29
EA21950000	Pole (symbol)	6	25
EA21950110	Pole.type"Electrical" (symbol)	6	26
EA21950120	Pole.type"Telephone" (symbol)	6	28
EA21950130	Pole.type"LampStandard" (symbol)	6	27
EA21950140	Pole.type"Utility" (symbol)	6	29
EA22350000	Pump	26	61
EA22352000	Pump (symbol)	26	65
EA26700100	SettlingPond	40	15
EA30400000	Tank	26	9
EA30400110	OilTank	26	23
EA30600000	PhoneBooth (symbol)	7	118
EA30610000	CommunicationTerminal	7	123
EA31050110	WaterTower (symbol)	26	36
EA31052110	WaterTower	26	70
EA31200110	Pylon (symbol)	26	66
EA32000160	SubstationTransformer	1	39
EA32550000	Valve.type"GasLine" (symbol)	26	52
EA90000000	Tank (symbol)	26	10

Digital Baseline Mapping at 1:5 000 / 1:2 500

EA90400110	OilTank (symbol)	26	22
EA99800100	Outfall.type"Drain" (symbol)	26	24
EA99800200	Outfall.type"Sewer" (symbol)	26	25
F			
FA02650000	Boundary.type"International"	8	8
FA02700000	Boundary.type"Provincial"	8	10
FB18450000	ControlPoint.type"Horizontal".status"PermanentlyMarked" (symbol)	35	2
FB18500000	BoundaryMonument (symbol)	6	24
FB18650000	ControlPoint.type"Vertical".status"PermanentlyMarked" (symbol)	35	4
FD21100000	PhotoCentre (symbol)	35	1
FD90500000	CadastralPoint.status"PermanentlyMarked" (symbol)	35	10
G			
GA00950000	Aqueduct	39	24
GA03950000	Canal	39	11
GA08450000	Dam.section"Top"	26	12
GA08450110	BeaverDam	26	13
GA08800110	Ditch	39	8
GA08800130	Ditch.Indefinite	39	50
GA10450000	Falls	39	13
GA11200000	FishLadder	12	35
GA11500000	Flume	39	19
GA21050000	Penstock	39	28
GA23500000	Rapids	39	15
GA23500110	Rapids (symbol)	39	14
GA24850000	River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Definite	39	1
GA24850130	River/Stream.type"Dry"	43	3
GA24850140	River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Indefinite	39	2
GA24850150	River/Stream.type"Intermittent"	39	3
GA24850210	River/Stream.type"LeftBank".status"HighWaterMarkDefinite"	39	36
GA24850220	River/Stream.type"RightBank".status"HighWaterMarkDefinite"	39	41
GA24850230	River/Stream.type"RightBank".status"HighWaterMarkIndefinite"	39	40
GA24850240	River/Stream.type"LeftBank".status"HighWaterMarkIndefinite"	39	37
GA28200000	Sluice	26	30
GA28250000	SluiceGate	12	32
GA28550000	Dam.section"Spillway"	26	18
GA90000110	River/Stream.type"LeftBank"	39	6
GA90000120	River/Stream.type"RightBank"	39	7
GA90000130	River/Stream.type"LeftBank".status"Indefinite"	39	38
GA90000140	River/Stream.type"RightBank".status"Indefinite"	39	39
GA90001110	Canal.type"LeftBank"	39	9
GA90001120	Canal.type"RightBank"	39	10
GA90002110	Falls (symbol)	39	12
GA98450000	Dam (symbol)	26	11
GA98450100	Dam.section"Base"	26	17
GB11350110	FloodedLand.type"Inundated" (area outline)	41	1
GB15300000	Lake <i>Geometric Rep Qualifier:</i> Definite	40	3
GB15300130	Lake <i>Geometric Rep Qualifier:</i> Indefinite	40	4
GB15300140	Lake.type"Intermittent"	40	5
GB15300180	Lake.type"DateofPhotography"	40	6
GB15300300	FishPond	40	34
GB22100200	Pond.type"Decorative"	7	95
GB22500000	Quarry.type"WaterFilled"	1	25
GB24300000	Reservoir <i>Geometric Rep Qualifier:</i> Definite	40	8

GB24300110	Reservoir.status"Underground"	40	21
GB90000000	FloodedLand.type"Inundated" (area symbol)	41	4
GB90100000	Reservoir <i>Geometric Rep Qualifier</i> : Indefinite	40	9
GB90100110	Reservoir.type"Intermittent"	40	10
GB90100120	Reservoir.type"ProposedMaxResLevel"	40	14
GB94300200	Reservoir.type"MunicipalWaterStorage".status"Underground"	40	27
GB94300210	Reservoir.type"MunicipalWaterStorage".status"GroundLevel"	40	28
GB94300220	Reservoir.type"MunicipalWaterStorage".status"AboveGround"	40	23
GB94300230	Reservoir.type"MunicipalWaterStorage".status"Elevated"	40	25
GB99150200	Reservoir.type"PrivateWaterStorage"	40	29
GC17100000	Marsh (area outline)	41	2
GC17100110	MarshInWater (area outline)	41	9
GC30050000	Swamp (area outline)	41	3
GC90100000	Marsh (area symbol)	41	5
GC90200000	Swamp (area symbol)	41	6
GC90300000	MarshInWater (area symbol)	41	10
GD12300000	Glacier	42	2
GD14450000	Icemass.type"PermanentSnow&Ice"	42	1
GE01800000	Beach	43	6
GE03050110	Breakwater	12	4
GE09400000	Dyke	26	14
GE14850000	Island <i>Geometric Rep Qualifier</i> : Position Approximate	40	7
GE14850130	Island.type"River"	40	19
GE23600000	SubmergedReef	40	31
GE25850000	Sand/GravelBar (area outline)	43	4
GE26250000	SeaWall	12	16
GE30850000	ForeshoreFlats	43	8
GE90100000	Sand/GravelBar (area symbol)	43	5
GE90200000	FlowArrow	39	16
GE90200110	Arrowhead (symbol)	39	20
GE90850100	ForeshoreFlats (area symbol)	43	9
GE94850000	Island <i>Geometric Rep Qualifier</i> : Definite (symbol)	40	11
GE94850100	Island <i>Geometric Rep Qualifier</i> : Position Approximate	40	16
GF28750000	Spring (symbol)	39	23
GF33400000	Well.type"Water" (symbol)	26	35
GG05800000	Coastline <i>Geometric Rep Qualifier</i> : Definite	43	1
GG95800130	Coastline <i>Geometric Rep Qualifier</i> : Indefinite	43	2
H			
HA28700000	SpotHeight (symbol)	49	1
HA33100000	WaterLevel(DateofPhotography) (symbol)	44	1
HA90000000	Contour.type"Index"	47	1
HA90000110	Contour.type"Index".option"Indefinite"	47	2
HA90000130	Contour.type"Index".option"Depression"	47	3
HA90000140	Contour.type"Index".option"DepressionIndefinite"	47	4
HA90001000	Contour.type"Intermediate"	47	5
HA90001110	Contour.type"Intermediate".option"Indefinite"	47	6
HA90001130	Contour.type"Intermediate".option"Depression"	47	7
HA90001140	Contour.type"Intermediate".option"DepressionIndefinite"	47	8
HA90100000	DEMPoint.type"Definite" (symbol)	51	1
HA90100110	DEMPoint.type"Indefinite" (symbol)	51	2
HA90100300	DEMPoint.type"DefiniteDerived" (symbol)	51	19
HA90100310	DEMPoint.type"IndefiniteDerived" (symbol)	51	21

Digital Baseline Mapping at 1:5 000 / 1:2 500

HA90200000	BreakLine.type"Sharp"	51	5
HA90200110	BreakLine.type"Round"	51	6
HA90200120	BreakLine.type"Hypsographic"	51	15
HA90200130	BreakLine.type"Hydrographic"	51	16
HA90200140	BreakLine.type"TransportationandOtherManMade"	51	17
HB04600000	Cave (symbol)	48	11
HB05650000	CliffScarp	48	5
HB07650130	VolcanicCrater	48	8
HB09450000	SandDune	48	10
HB10200000	Esker	48	3
HB15850000	LavaBed	48	9
HB18700000	Moraine	48	2
HB18800000	MountainPeak (symbol)	48	7
HB26150000	Scree	48	4
HB27550000	Sinkhole (symbol)	39	21
HB27900000	Slide (area outline)	48	1
HB90000000	Slide (area symbol)	48	6
HC90000000	AreaofExclusion	51	10
HC90000100	AreaofIndefiniteContours	51	12
J			
JA08400000	CutlineSeismicLine	17	9
JA13300000	LoggedArea	52	3
JA23750000	Reforestation	52	5
JA25550000	TreeRow	52	10
JA32050000	Tree	52	9
JA33750000	WoodedArea	52	1
JA92050100	Tree (symbol)	52	8
JB19150000	Nursery	53	1
JB19650000	Orchard	53	2
JB32800000	Vineyard	53	3
JD13400000	Hedge	53	4
JD26200000	ScrubArea	52	4
JD27200000	Shrub (Symbol)	52	6
JD27200100	Shrub	52	7
K			
KB14250000	Text.type"Hydrographic"	44	2
KC14300000	Text.type"HypsographicExcludingContourNumbers"	49	2
KC14300130	Text.type"HypsographicContourNumbers"	49	3
KC14300310	Text type"LandCover"	4	1
KC90000000	Text.type"AerialTriangulation"	35	12
KC90100000	Text.type"Transportation"	23	1
KC90200000	Text.type"Landmark"	23	2
KC90300000	Text type"Toponymy"	8	1
KC90500000	Text.type"LandForm"	38	1
U			
UNDEFINED	HighwayID.type"Numbers"	8	6
UNDEFINED	HighwayID.type"SymbolOval"	8	3
UNDEFINED	HighwayID.type"SymbolCircle"	8	2

G.2 Feature Name - Feature Code - Level/Colour Correlation

All digital data provided under this specification is uniquely identified by a feature object name that can be correlated to a feature code. Graphic display systems such as Intergraph do not allow for the inclusion of a unique alphanumeric code without the attachment of an external database. To provide feature uniqueness within such an environment, features have been assigned a combination of IGDS level (layer) and colour. This table lists the features by feature name and provides guidelines for level placement and colour assignment.

A		IGDS Level	
Feature Name	Feature Code	/ Colour	
AccessLane	DB00100000	17	26
AerialCableway	CQ00300000	19	4
AirFeature.type"Runway".status"Paved"	AQ25670110	3	6
AirFeature.type"Runway".status"Unpaved"	AQ25670120	3	7
AirField	AQ00450000	3	2
AirTrafficControlTower	BQ31100000	7	53
Airport	AQ00500000	3	1
Airport.status"Abandoned"	AQ00550001	3	5
Airstrip	AQ00550000	3	3
AmbulanceBuilding	BH02100000	7	54
AmmunitionDump	AJ00650000	1	2
AmmunitionMagazine	CJ22300000	7	55
Antenna (symbol)	CC00850000	6	32
ApartmentBuilding	BN00900000	7	56
Aqueduct	GA00950000	39	24
AreaUnderDevelopment	AS90000100	1	34
AreaofExclusion	HC90000000	51	10
AreaofIndefiniteContours	HC90000100	51	12
Arrowhead (symbol)	GE90200110	39	20
AutoWrecker	AB33850110	1	30
B			
Backstop	DD29650000	20	7
Balcony	CR26900100	7	85
Barn	BA01450000	7	3
Barrier	CR01600000	20	8
Beach	GE01800000	43	6
Beacon (symbol)	CQ01850000	12	9
BeaverDam	GA08450110	26	13
BikePath	DC31850110	17	27
Billboard	CB01950000	20	9
BirdSanctuary	AD25800110	1	35
Bleachers	CL02050000	7	65
BoatRamp	CQ15800000	12	29
BoomPier	CQ21250100	12	30
Boundary.type"International"	FA02650000	8	8
Boundary.type"Provincial"	FA02700000	8	10
BoundaryMonument (symbol)	FB18500000	6	24
BreakLine.type"Hydrographic"	HA90200130	51	16

Digital Baseline Mapping at 1:5 000 / 1:2 500

BreakLine.type"Hypsographic"	HA90200120	51	15
BreakLine.type"Round"	HA90200110	51	6
BreakLine.type"Sharp"	HA90200000	51	5
BreakLine.type"TransportationandOtherManMade"	HA90200140	51	17
Breakwater	GE03050110	12	4
Bridge	DD93250000	19	2
Building	BR90000000	7	2
Building (symbol)	BR90000110	7	1
Building.type"Religious"	BM03350000	7	38
Building.type"Religious".status"Christian"	BM05300100	7	121
Buoy (symbol)	CQ23450100	12	13
Burner (symbol)	CG03550000	7	44
BusShelter	CQ36500000	7	84
Butts	CJ03660000	20	11

C

Cable.type"Insulated"	EA03800000	26	6
CadastralPoint.status"PermanentlyMarked" (symbol)	FD90500000	35	10
CampgroundCampsite	AL03900000	1	3
Canal	GA03950000	39	11
Canal.type"LeftBank"	GA90001110	39	9
Canal.type"RightBank"	GA90001120	39	10
Canopy	CQ29600200	7	102
CatchBasin	EA04300000	12	19
Cave (symbol)	HB04600000	48	11
Cemetery	AM04560000	1	4
ChannelMarker (symbol)	CQ23450000	12	17
ChurchSteeple	CM28600000	7	86
CityHall	BF05550000	7	31
CliffScarp	HB05650000	48	5
Coastline <i>Geometric Rep Qualifier: Definite</i>	GG05800000	43	1
Coastline <i>Geometric Rep Qualifier: Indefinite</i>	GG95800130	43	2
College	BE05900000	7	23
CommunicationTerminal	EA30610000	7	123
CommunicationsBuilding	BC99250000	7	7
CommunicationsBuilding (symbol)	BC29250000	7	6
CommunityCentre	BL13100130	7	40
ConservationArea	AD25800000	1	36
Contour.type"Index"	HA90000000	47	1
Contour.type"Index".option"Depression"	HA90000130	47	3
Contour.type"Index".option"DepressionIndefinite"	HA90000140	47	4
Contour.type"Index".option"Indefinite"	HA90000110	47	2
Contour.type"Intermediate"	HA90001000	47	5
Contour.type"Intermediate".option"Depression"	HA90001130	47	7
Contour.type"Intermediate".option"DepressionIndefinite"	HA90001140	47	8
Contour.type"Intermediate".option"Indefinite"	HA90001110	47	6
ControlPoint.type"Horizontal".status"PermanentlyMarked" (symbol)	FB18450000	35	2
ControlPoint.type"Vertical".status"PermanentlyMarked" (symbol)	FB18650000	35	4
Conveyor	CQ06400000	1	28
CornCrib	CA06450000	7	87
CourtYard	AL90100000	1	40
Courthouse	BF07550000	7	33
Crane.type"Permanent"	CG07610000	1	102
Crane.type"Permanent" (symbol)	CG07600000	7	49

Crib	CA02000100	7	88
Culvert	DD08500000	20	14
Culvert (symbol)	DD98500000	20	13
CustomsOffice	BF01850000	7	9
CutEarthwork	DD08350000	17	18
CutlineSeismicLine	JA08400000	17	9

D

Dam (symbol)	GA98450000	26	11
Dam.section"Base"	GA98450100	26	17
Dam.section"Spillway"	GA28550000	26	18
Dam.section"Top"	GA08450000	26	12
DEMPoint.type"Definite" (symbol)	HA90100000	51	1
DEMPoint.type"DefiniteDerived" (symbol)	HA90100300	51	19
DEMPoint.type"Indefinite" (symbol)	HA90100110	51	2
DEMPoint.type"IndefiniteDerived" (symbol)	HA90100310	51	21
DesignatedArea	AS90000000	1	1
Ditch	GA08800110	39	8
Ditch.Indefinite	GA08800130	39	50
Dock	CQ08850000	26	41
Dock/Marina	CQ08850160	12	15
Dockyard	AG90100000	12	21
DriveinTheatre	AL09000000	1	6
Driveway	DB00100100	17	53
DrivingRange	AL23300120	1	5
Drydock	CG09100000	12	23
Dump	AP09200000	1	7
Dyke	GE09400000	26	14

E

ElectricalSubstationComplex	AG09850000	1	27
ElevatedRoadway	DA94900000	20	15
EquestrianPath	DC91800120	17	29
Esker	HB10200000	48	3
ExhibitionGrounds	AL10250000	1	8
ExperimentalFarmStation	AA10550120	1	42

F

Factory	BG10300000	7	59
Falls	GA10450000	39	13
Falls (symbol)	GA90002110	39	12
Fence	CR10750000	26	51
FireLookoutTower	BF10951120	26	60
FireLookoutTower (symbol)	BF10950120	26	21
FireStation	BF11000000	7	11
FishFarm	AF11150100	1	67
FishHatchery	AF11150000	1	9
FishLadder	GA11200000	12	35
FishPond	GB15300300	40	34
FloodedLand.type"Inundated" (area outline)	GB11350110	41	1
FloodedLand.type"Inundated" (area symbol)	GB90000000	41	4
FlowArrow	GE90200000	39	16
Flume	GA11500000	39	19

Digital Baseline Mapping at 1:5 000 / 1:2 500

FootBridge	DD93100000	19	3
FootPath	DC31700100	17	28
ForeshoreFlats	GE30850000	43	8
ForeshoreFlats (area symbol)	GE90850100	43	9
Foundation	AL90200000	7	60
Fountain	CL11800000	26	38
Fountain (symbol)	CL91800000	26	37
FuelPump	CB11850000	26	53
FuelPump (symbol)	CB11852000	26	60
FuelPump.type"Gasoline"	CB11850130	26	55
FuelPump.type"Gasoline" (symbol)	CB11852130	26	56
Funicular	DD90100000	19	7
G			
Garage.type"NonCommercial"	BN12000000	7	89
Gate	CR12200000	20	18
Gate (symbol)	CR12202000	20	19
Glacier	GD12300000	42	2
Golf.type"Miniature"	AL12350110	1	29
GolfCourse	AL12350000	1	10
GolfGreen	AL12350200	1	68
GolfGreen (symbol)	AL12342200	1	112
GolfSandTrap	AL12350300	1	69
GolfSandTrap (symbol)	AL12352300	1	113
GolfTee	AL12350400	1	70
GolfTee (symbol)	AL12352400	1	114
GovernmentBuilding	BF12450000	7	61
GrainElevator	BA12600000	7	62
Grandstand	CL12650000	7	63
Greenhouse	BA12800000	7	36
Greenhouse (symbol)	BA90100000	7	37
GuardRail	DD12950000	20	16
GunEmplacement	CR90200000	7	58
GunEmplacement (symbol)	CR90200100	7	57
H			
Hedge	JD13400000	53	4
Helipad	AQ13451000	3	12
Helipad (symbol)	AQ13450000	3	4
Heliport	AQ00600000	3	8
HeritageBuilding	BL13700000	7	64
HighwayID.type"Numbers"	UNDEFINED	8	6
HighwayID.type"SymbolCircle"	UNDEFINED	8	2
HighwayID.type"SymbolOval"	UNDEFINED	8	3
HistoricMonument	AL13650000	26	39
HistoricMonument (symbol)	CL18400200	26	58
HistoricMonument.type"Marker"	AL13652100	26	59
Hopper	CG13800000	26	40
Hospital	BH13950000	7	13
I			
Icemass.type"PermanentSnow&Ice"	GD14450000	42	1
Incinerator	CP14550000	7	81
Incinerator (symbol)	CP94550000	7	80
Island <i>Geometric Rep Qualifier: Position Approximate</i>	GE94850100	40	16
Island <i>Geometric Rep Qualifier: Position Approximate</i>	GE14850000	40	7

Island Geometric Rep Qualifier:Definite (symbol)		GE94850000	40	11
Island.type"River"		GE14850130	40	19
	K			
Kiln		CG15150000	7	83
Kiln (symbol)		CG95150000	7	82
Kiosk		CB29150000	7	90
Kiosk (symbol)		CB29152000	7	91
	L			
Lake Geometric Rep Qualifier: Definite		GB15300000	40	3
Lake Geometric Rep Qualifier:Indefinite		GB15300130	40	4
Lake.type"DateofPhotography"		GB15300180	40	6
Lake.type"Intermittent"		GB15300140	40	5
LavaBed		HB15850000	48	9
Library		BE16200000	7	21
Lighthouse		CQ16350100	12	18
LoadingDock		CQ08850110	26	44
Locks		CQ16500000	12	20
LoggedArea		JA13300000	52	3
LumberMill		AG17500150	1	44
LumberYard		AB33850140	1	31
	M			
MailBox.type"Permanent"		CB22250000	7	92
Manhole (symbol)		EA16850000	26	65
Manhole.type"Electrical" (symbol)		EA16850110	26	64
Manhole.type"Gas" (symbol)		EA16850200	26	57
Manhole.type"Sewer" (symbol)		EA16850130	26	54
Manhole.type"Telephone" (symbol)		EA16850160	26	62
Marsh (area outline)		GC17100000	41	2
Marsh (area symbol)		GC90100000	41	5
MarshInWater (area outline)		GC17100110	41	9
MarshInWater (area symbol)		GC90300000	41	10
MilitaryEstablishment		AJ01650000	1	11
Mill.type"Plywood"		BG17450180	7	103
Mine		AG17750000	1	12
Mine.type"OpenPit"		AG17600000	1	22
MineWaste		AP27850000	1	46
MobileHomePark		AN18100000	1	48
Moraine		HB18700000	48	2
MountainPeak (symbol)		HB18800000	48	7
Museum		BL18900000	7	74
	N			
Nursery		JB19150000	53	1
	O			
OilTank		EA30400110	26	23
OilTank (symbol)		EA90400110	26	22
Orchard		JB19650000	53	2
Outfall.type"Drain" (symbol)		EA99800100	26	24
Outfall.type"Sewer" (symbol)		EA99800200	26	25
Overpass		DD99850000	19	6
	P			
Park/PicnicArea		AL20150000	1	33

Digital Baseline Mapping at 1:5 000 / 1:2 500

ParkingLot	AQ20400000	1	71
PeatCutting	AG20850000	1	50
Penitentiary	BF20950000	7	15
Penstock	GA21050000	39	28
PhoneBooth (symbol)	EA30600000	7	118
PhotoCentre (symbol)	FD21100000	35	1
Pier	CQ21250000	12	6
Pile.type"RawMaterial"	AG21275000	1	23
Pile.type"Unspecified"	AG91275000	1	37
Piling (symbol)	CR21300000	12	33
Pipeline	EA21400000	26	1
Pipeline.type"Gas"	EA21400270	26	26
Pit.type"Abandoned"	AG21550001	1	24
Pit.type"GravelSand"	AG21550000	1	21
Platform	CQ21750000	26	45
PlayGround	AL21850000	1	65
Pole (symbol)	EA21950000	6	25
Pole.type"Electrical" (symbol)	EA21950110	6	26
Pole.type"Flag" (symbol)	CL11300000	6	1
Pole.type"LampStandard" (symbol)	EA21950130	6	27
Pole.type"Telephone" (symbol)	EA21950120	6	28
Pole.type"Utility" (symbol)	EA21950140	6	29
PoliceStation	BF22000000	7	17
Pond.type"Decorative"	GB22100200	7	95
Pool.type"Swimming".status"Indoor"	BL30100000	7	93
Pool.type"Swimming".status"Outdoor"	BL30150000	7	94
Porch	BR00400100	7	96
PostOffice	BF22250000	7	19
Pump	EA22350000	26	61
Pump (symbol)	EA22352000	26	65
PumpingStation.type"Sewer"	BP26800000	26	28
PumpingStation.type"Water"	BG22400130	26	31
Pylon (symbol)	EA31200110	26	66

Q

Quarry.type"Dry"	AG22450000	1	38
Quarry.type"WaterFilled"	GB22500000	1	25
Quay	CQ22600000	12	25

R

RaceTrack	AL22650000	1	19
Rack	CR90500000	26	46
RailLine.status"StreetCar".type"SingleTrack"	DE22950160	21	12
RailLine.type"AbandonedTrack"	DE22950001	21	5
RailLine.type"DoubleTrack"	DE22850000	21	2
RailLine.type"MultipleTrack"	DE22900000	21	1
RailLine.type"SingleTrack"	DE22950000	21	3
RailLine.type"Spur"	DF28850000	21	4
RailYard	AQ23000000	1	52
RailwayBumper (symbol)	DD25650000	21	9
RailwayScale (symbol)	DD91650000	21	11
RailwaySwitch (symbol)	DD30200000	21	13
RailwayTurntable	DD32300000	21	8
Ramp	CQ23100000	19	9

Range.type"Civilian"	AL23300000	1	56
Range.type"Military"	AJ23350000	1	66
Rapids	GA23500000	39	15
Rapids (symbol)	GA23500110	39	14
RecyclingDepot	BP30000000	7	97
Refinery	BG23650000	7	73
Reforestation	JA23750000	52	5
Reservoir <P8MI>Geometric Rep Qualifier<P255D> Definite	GB24300000	40	8
Reservoir <P8MI>Geometric Rep Qualifier<P255D> Indefinite	GB90100000	40	9
Reservoir.status"Underground"	GB24300110	40	21
Reservoir.type"Intermittent"	GB90100110	40	10
Reservoir.type"MunicipalWaterStorage".status"AboveGround"	GB94300220	40	23
Reservoir.type"MunicipalWaterStorage".status"Elevated"	GB94300230	40	25
Reservoir.type"MunicipalWaterStorage".status"GroundLevel"	GB94300210	40	28
Reservoir.type"MunicipalWaterStorage".status"Underground"	GB94300200	40	27
Reservoir.type"PrivateWaterStorage"	GB99150200	40	29
Reservoir.type"ProposedMaxResLevel"	GB90100120	40	14
Rink	AL24800000	7	72
River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Definite	GA24850000	39	1
River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Indefinite	GA24850140	39	2
River/Stream.type"Dry"	GA24850130	43	3
River/Stream.type"Intermittent"	GA24850150	39	3
River/Stream.type"LeftBank"	GA90000110	39	6
River/Stream.type"LeftBank".status"HighWaterMarkDefinite"	GA24850210	39	36
River/Stream.type"LeftBank".status"HighWaterMarkIndefinite"	GA24850240	39	37
River/Stream.type"LeftBank".status"Indefinite"	GA90000130	39	38
River/Stream.type"RightBank"	GA90000120	39	7
River/Stream.type"RightBank".status"HighWaterMarkDefinite"	GA24850220	39	41
River/Stream.type"RightBank".status"HighWaterMarkIndefinite"	GA24850230	39	40
River/Stream.type"RightBank".status"Indefinite"	GA90000140	39	39
Road.surface"Loose".lanes"1".type"Undivided"	DA25000110	17	7
Road.surface"Loose".lanes"1".type"Undivided".status"U/C"	DA25000160	17	51
Road.surface"Loose".lanes"2".type"Undivided"	DA25000120	17	6
Road.surface"Loose".lanes"2".type"Undivided".status"U/C"	DA25000170	17	16
Road.surface"Paved".lanes"1".type"Undivided"	DA25100180	17	38
Road.surface"Paved".lanes"1".type"Undivided".status"U/C"	DA25100320	17	39
Road.surface"Paved".lanes"2".lanedir"OneWay"	DA25100190	17	23
Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"	DA25100330	17	24
Road.surface"Paved".lanes"2".type"Divided"	DA25050180	17	5
Road.surface"Paved".lanes"2".type"Divided".status"U/C"	DA25050310	17	15
Road.surface"Paved".lanes"2".type"Undivided"	DA25300190	17	42
Road.surface"Paved".lanes"2".type"Undivided".status"U/C"	DA25300330	17	43
Road.surface"Paved".lanes"3".type"Undivided"	DA25100200	17	21
Road.surface"Paved".lanes"3".type"Undivided".status"U/C"	DA25100340	17	22
Road.surface"Paved".lanes"4".type"Divided"	DA25050190	17	3
Road.surface"Paved".lanes"4".type"Divided.status"U/C"	DA25050320	17	14
Road.surface"Paved".lanes"4".type"Undivided"	DA25100210	17	4
Road.surface"Paved".lanes"4".type"Undivided".status"U/C"	DA25100350	17	13
Road.surface"Paved".lanes"6".type"Divided"	DA25050200	17	1
Road.surface"Paved".lanes"6".type"Divided".status"U/C"	DA25050330	17	11
Road.surface"Paved".lanes"6".type"Undivided"	DA25100220	17	2
Road.surface"Paved".lanes"6".type"Undivided".status"U/C"	DA25100360	17	12

Digital Baseline Mapping at 1:5 000 / 1:2 500

Road.surface"Rough"	DA25150000	17	25
Road.type"BusLane"	DA25060100	17	55
Road.type"Driveway"	DB00100100	17	31
Road.type"Intersection"	DD14800000	19	5
Road.type"Shoulder"	DD27250000	19	10
Ruins	BL25600000	7	71
S			
Sand/GravelBar (area outline)	GE25850000	43	4
Sand/GravelBar (area symbol)	GE90100000	43	5
SandDune	HB09450000	48	10
SanitaryLandfill	AP09200110	1	58
School	BE26000000	7	25
Scree	HB26150000	48	4
ScrubArea	JD26200000	52	4
SeaWall	GE26250000	12	16
SeniorCitizensHome	BN09350140	7	70
ServiceStation	BB26600000	1	103
ServiceStationArea	AQ90100000	1	54
SettlingPond	EA26700100	40	15
SewageLagoon.type"Private"	AP19950100	40	30
SewageTreatmentArea	AP26750000	1	14
SewageTreatmentPlant	BP26850000	7	98
SewerLine.type"Sanitary"	EA21400470	26	27
SewerLine.type"Storm"	EA21400580	26	29
ShoppingCentre	BB27050000	7	69
Shrub	JD27200100	52	7
Shrub (Symbol)	JD27200000	52	6
Sign (symbol)	DD27400000	6	30
Silo	CA27500000	7	8
Silo (symbol)	BA90000110	7	5
Sinkhole (symbol)	HB27550000	39	21
SkiArea	AL27700000	1	60
SkiJump	CL27750000	7	45
SkiLift	CL27800000	26	7
Slab	CR90300000	7	68
Slide (area outline)	HB27900000	48	1
Slide (area symbol)	HB90000000	48	6
Slip	CQ28000000	12	31
Sluice	GA28200000	26	30
SluiceGate	GA28250000	12	32
SmokestackChimney	CG28300100	7	42
SmokestackChimney (symbol)	CG28300000	7	43
Snowshed	DD28350000	20	6
SolarCollector	CR90400000	26	42
SpoilArea	AG80700000	1	62
SportTrack	AL22650110	1	20
SportsField	AL21900000	1	15
SpotHeight (symbol)	HA28700000	49	1
Spring (symbol)	GF28750000	39	23
StadiumArena	BL01050000	7	66
Stairs	BR80300000	7	99
Statue	CL29500000	7	104
Statue (symbol)	CL29502000	7	106

StockYard	AB33850150	1	32
StorageArea	AB33850160	1	64
StorageBin	CA02000000	7	76
SubmergedReef	GE23600000	40	31
SubstationTransformer	EA32000160	1	39
Swamp (area outline)	GC30050000	41	3
Swamp (area symbol)	GC90200000	41	6
T			
TailingArea	AP30300000	1	26
TailingPond	AP90300100	40	13
Tank	EA30400000	26	9
Tank (symbol)	EA90000000	26	10
TennisCourt	AL07500120	1	72
Text.type"AerialTriangulation"	KC90000000	35	12
Text.type"Hydrographic"	KB14250000	44	3
Text.type"HypsographicContourNumbers"	KC14300130	49	3
Text.type"HypsographicExcludingContourNumbers"	KC14300000	49	2
Text.type"LandCover"	KC14300310	4	1
Text.type"LandForm"	KC90500000	38	1
Text.type"Landmark"	KC90200000	23	2
Text.type"Toponymy"	KC90300000	8	1
Text.type"Transportation"	KC90100000	23	1
TollGate	DD31000000	7	46
TollGate (symbol)	DD91000000	7	52
Tower.type"Lookout"	CL19202000	26	67
Tower.type"Lookout" (symbol)	CL19200000	26	32
Tower.type"Microwave"	CC31152110	26	68
Tower.type"Microwave" (symbol)	CC31150110	26	19
Tower.type"Transmission"	CC90002000	26	69
Tower.type"Transmission" (symbol)	CC90000000	26	2
Tower.type"Unspecified" (symbol)	CC31150000	26	16
TownHouse	BN14100140	7	100
TrafficLights (symbol)	DD31550000	6	31
Trail	DD31700000	17	8
TrailerPark	AN31950000	1	17
TransmissionLine.type"Hydro"	EA16400120	26	4
TransmissionLine.type"Power"	EA16400110	26	50
TransmissionLine.type"Unspecified"	EA16400000	26	33
Tree	JA32050000	52	9
Tree (symbol)	JA92050100	52	8
TreeRow	JA25550000	52	10
Trestle	DD93200000	20	2
Tunnel	DD93220000	20	4
U			
University	BE32400000	7	27
V			
Valve.type"GasLine" (symbol)	EA32550000	26	52
ValveChamber.type"Water"	BG22500110	26	63
Veranda	CR29600300	7	101
Vineyard	JB32800000	53	3
VolcanicCrater	HB07650130	48	8

Digital Baseline Mapping at 1:5 000 / 1:2 500

	W			
Walkway		DC90100000	20	17
Wall		CR32900000	7	75
Wall.type"Retaining"		DD24600000	17	20
WaterLevel(DateofPhotography) (symbol)		HA33100000	44	1
WaterTower		EA31052110	26	70
WaterTower (symbol)		EA31050110	26	36
WeighScale		CG33250000	7	50
Well.type"Gas" (symbol)		CG12150000	26	34
Well.type"Oil" (symbol)		CG19600000	26	3
Well.type"Water" (symbol)		GF33400000	26	35
Wharf		CQ33450000	12	28
WoodedArea		JA33750000	52	1
	Y			
Yard		AB33850000	1	16
	Z			
Zoo		AL33900000	1	18

F.3 - Level/Colour Correlation - Feature Name - Feature Code

All digital data provided under this specification is uniquely identified by a feature object name that can be correlated to a feature code. Graphic display systems such as Intergraph do not allow for the inclusion of a unique alphanumeric code without the attachment of an external database. To provide feature uniqueness within such an environment, features have been assigned a combination of IGDS level (layer) and colour. This table lists the features by IGDS level and colour for each feature name and code.

		1	
Level / Colour	Feature Name		Feature Code
1 1	DesignatedArea		AS90000000
1 2	AmmunitionDump		AJ00650000
1 3	CampgroundCampsite		AL03900000
1 4	Cemetery		AM04560000
1 5	DrivingRange		AL23300120
1 6	DriveinTheatre		AL09000000
1 7	Dump		AP09200000
1 8	ExhibitionGrounds		AL10250000
1 9	FishHatchery		AF11150000
1 10	GolfCourse		AL12350000
1 11	MilitaryEstablishment		AJ01650000
1 12	Mine		AG17750000
1 14	SewageTreatmentArea		AP26750000
1 15	SportsField		AL21900000
1 16	Yard		AB33850000
1 17	TrailerPark		AN31950000
1 18	Zoo		AL33900000
1 19	RaceTrack		AL22650000
1 20	SportTrack		AL22650110
1 21	Pit.type"GravelSand"		AG21550000
1 22	Mine.type"OpenPit"		AG17600000
1 23	Pile.type"RawMaterial"		AG21275000
1 24	Pit.type"Abandoned"		AG21550001
1 25	Quarry.type"WaterFilled"		GB22500000
1 26	TailingArea		AP30300000
1 27	ElectricalSubstationComplex		AG09850000
1 28	Conveyor		CQ06400000
1 29	Golf.type"Miniature"		AL12350110
1 30	AutoWrecker		AB33850110
1 31	LumberYard		AB33850140
1 32	StockYard		AB33850150
1 33	Park/PicnicArea		AL20150000
1 34	AreaUnderDevelopment		AS90000100
1 35	BirdSanctuary		AD25800110
1 36	ConservationArea		AD25800000
1 37	Pile.type"Unspecified"		AG91275000
1 38	Quarry.type"Dry"		AG22450000
1 39	SubstationTransformer		EA32000160
1 40	CourtYard		AL90100000

Digital Baseline Mapping at 1:5 000 / 1:2 500

Level / Colour	Feature Name	Feature Code
1 42	ExperimentalFarmStation	AA10550120
1 44	LumberMill	AG17500150
1 46	MineWaste	AP27850000
1 48	MobileHomePark	AN18100000
1 50	PeatCutting	AG20850000
1 52	RailYard	AQ23000000
1 54	ServiceStationArea	AQ90100000
1 56	Range.type"Civilian"	AL23300000
1 58	SanitaryLandfill	AP09200110
1 60	SkiArea	AL27700000
1 62	SpoilArea	AG80700000
1 64	StorageArea	AB33850160
1 65	PlayGround	AL21850000
1 66	Range.type"Military"	AJ23350000
1 67	FishFarm	AF11150100
1 68	GolfGreen	AL12350200
1 69	GolfSandTrap	AL12350300
1 70	GolfTee	AL12350400
1 71	ParkingLot	AQ20400000
1 72	TennisCourt	AL07500120
1 102	Crane.type"Permanent"	CG07610000
1 103	ServiceStation	BB26600000
1 112	GolfGreen (symbol)	AL12342200
1 113	GolfSandTrap (symbol)	AL12352300
1 114	GolfTee (symbol)	AL12352400
3		
3 1	Airport	AQ00500000
3 2	AirField	AQ00450000
3 3	Airstrip	AQ00550000
3 4	Helipad (symbol)	AQ13450000
3 5	Airport.status"Abandoned"	AQ00550001
3 6	AirFeature.type"Runway".status"Paved"	AQ25670110
3 7	AirFeature.type"Runway".status"Unpaved"	AQ25670120
3 8	Helipad	AQ00600000
3 12	Helipad	AQ13451000
4		
4 1	Text.type"LandCover"	KC14300310
6		
6 1	Pole.type"Flag" (symbol)	CL11300000
6 24	BoundaryMonument (symbol)	FB18500000
6 25	Pole (symbol)	EA21950000
6 26	Pole.type"Electrical" (symbol)	EA21950110
6 27	Pole.type"LampStandard" (symbol)	EA21950130
6 28	Pole.type"Telephone" (symbol)	EA21950120
6 29	Pole.type"Utility" (symbol)	EA21950140
6 30	Sign (symbol)	DD27400000
6 31	TrafficLights (symbol)	DD31550000
6 32	Antenna (symbol)	CC00850000

Level / Colour	Feature Name	Feature Code
7 1	Building (symbol)	BR90000110
7 2	Building	BR90000000
7 3	Barn	BA01450000
7 5	Silo (symbol)	BA90000110
7 6	CommunicationsBuilding (symbol)	BC29250000
7 7	CommunicationsBuilding	BC99250000
7 8	Silo	CA27500000
7 9	CustomsOffice	BF01850000
7 11	FireStation	BF11000000
7 13	Hospital	BH13950000
7 15	Penitentiary	BF20950000
7 17	PoliceStation	BF22000000
7 19	PostOffice	BF22250000
7 21	Library	BE16200000
7 23	College	BE05900000
7 25	School	BE26000000
7 27	University	BE32400000
7 31	CityHall	BF05550000
7 33	Courthouse	BF07550000
7 36	Greenhouse	BA12800000
7 37	Greenhouse (symbol)	BA90100000
7 38	Building.type"Religious"	BM03350000
7 40	CommunityCentre	BL13100130
7 42	SmokestackChimney	CG28300100
7 43	SmokestackChimney (symbol)	CG28300000
7 44	Burner (symbol)	CG03550000
7 45	SkiJump	CL27750000
7 46	TollGate	DD31000000
7 47	FerryTerminal	BQ30750140
7 49	Crane.type"Permanent" (symbol)	CG07600000
7 50	WeighScale	CG33250000
7 52	TollGate (symbol)	DD91000000
7 53	AirTrafficControlTower	BQ31100000
7 54	AmbulanceBuilding	BH02100000
7 55	AmmunitionMagazine	CJ22300000
7 56	ApartmentBuilding	BN00900000
7 57	GunEmplacement (symbol)	CR90200100
7 58	GunEmplacement	CR90200000
7 59	Factory	BG10300000
7 60	Foundation	AL90200000
7 61	GovernmentBuilding	BF12450000
7 62	GrainElevator	BA12600000
7 63	Grandstand	CL12650000
7 64	HeritageBuilding	BL13700000
7 65	Bleachers	CL02050000
7 66	StadiumArena	BL01050000
7 68	Slab	CR90300000
7 69	ShoppingCentre	BB27050000

Digital Baseline Mapping at 1:5 000 / 1:2 500

Level / Colour	Feature Name	Feature Code
7 70	SeniorCitizensHome	BN09350140
7 71	Ruins	BL25600000
7 72	Rink	AL24800000
7 73	Refinery	BG23650000
7 74	Museum	BL18900000
7 75	Wall	CR32900000
7 76	StorageBin	CA02000000
7 80	Incinerator (symbol)	CP94550000
7 81	Incinerator	CP14550000
7 82	Kiln (symbol)	CG95150000
7 83	Kiln	CG15150000
7 84	BusShelter	CQ36500000
7 85	Balcony	CR26900100
7 86	ChurchSteeple	CM28600000
7 87	CornCrib	CA06450000
7 88	Crib	CA02000100
7 89	Garage.type"NonCommercial"	BN12000000
7 90	Kiosk	CB29150000
7 91	Kiosk (symbol)	CB29152000
7 92	MailBox.type"Permanent"	CB22250000
7 93	Pool.type"Swimming".status"Indoor"	BL30100000
7 94	Pool.type"Swimming".status"Outdoor"	BL30150000
7 95	Pond.type"Decorative"	GB22100200
7 96	Porch	BR00400100
7 97	RecyclingDepot	BP30000000
7 98	SewageTreatmentPlant	BP26850000
7 99	Stairs	BR80300000
7 100	TownHouse	BN14100140
7 101	Veranda	CR29600300
7 102	Canopy	CQ29600200
7 103	Mill.type"Plywood"	BG17450180
7 104	Statue	CL29500000
7 106	Statue (symbol)	CL29502000
7 118	PhoneBooth (symbol)	EA30600000
7 121	Building.type"Religious".status"Christian"	BM05300100
7 123	CommunicationTerminal	EA30610000
8		
8 1	Text.type"Toponymy"	KC90300000
8 2	HighwayID.type"SymbolCircle"	UNDEFINED
8 3	HighwayID.type"SymbolOval"	UNDEFINED
8 6	HighwayID.type"Numbers"	UNDEFINED
8 8	Boundary.type"International"	FA02650000
8 10	Boundary.type"Provincial"	FA02700000
12		
12 4	Breakwater	GE03050110
12 6	Pier	CQ21250000
12 9	Beacon (symbol)	CQ01850000
12 10	FerryDock	CQ08850130
12 11	FerryRoute	AQ10800000

Level / Colour	Feature Name	Feature Code
12 13	Buoy (symbol)	CQ23450100
12 15	Dock/Marina	CQ08850160
12 16	SeaWall	GE26250000
12 17	ChannelMarker (symbol)	CQ23450000
12 18	Lighthouse	CQ16350100
12 19	CatchBasin	EA04300000
12 20	Locks	CQ16500000
12 21	Dockyard	AG90100000
12 23	Drydock	CG09100000
12 25	Quay	CQ22600000
12 28	Wharf	CQ33450000
12 29	BoatRamp	CQ15800000
12 30	BoomPier	CQ21250100
12 31	Slip	CQ28000000
12 32	SluiceGate	GA28250000
12 33	Piling (symbol)	CR21300000
12 34	FerrySlip	CQ28000100
12 35	FishLadder	GA11200000

17

17 1	Road.surface"Paved".lanes"6".type"Divided"	DA25050200
17 2	Road.surface"Paved".lanes"6".type"Undivided"	DA25100220
17 3	Road.surface"Paved".lanes"4".type"Divided"	DA25050190
17 4	Road.surface"Paved".lanes"4".type"Undivided"	DA25100210
17 5	Road.surface"Paved".lanes"2".type"Divided"	DA25050180
17 6	Road.surface"Loose".lanes"2".type"Undivided"	DA25000120
17 7	Road.surface"Loose".lanes"1".type"Undivided"	DA25000110
17 8	Trail	DD31700000
17 9	CutlineSeismicLine	JA08400000
17 11	Road.surface"Paved".lanes"6".type"Divided".status"U/C"	DA25050330
17 12	Road.surface"Paved".lanes"6".type"Undivided".status"U/C"	DA25100360
17 13	Road.surface"Paved".lanes"4".type"Undivided".status"U/C"	DA25100350
17 14	Road.surface"Paved".lanes"4".type"Divided.status"U/C"	DA25050320
17 15	Road.surface"Paved".lanes"2".type"Divided".status"U/C"	DA25050310
17 16	Road.surface"Loose".lanes"2".type"Undivided".status"U/C"	DA25000170
17 18	CutEarthwork	DD08350000
17 19	FillEmbankment	DD09950000
17 20	Wall.type"Retaining"	DD24600000
17 21	Road.surface"Paved".lanes"3".type"Undivided"	DA25100200
17 22	Road.surface"Paved".lanes"3".type"Undivided".status"U/C"	DA25100340
17 23	Road.surface"Paved".lanes"2".lanedir"OneWay"	DA25100190
17 24	Road.surface"Paved".lanes"2".lanedir"OneWay".status"U/C"	DA25100330
17 25	Road.surface"Rough"	DA25150000
17 26	AccessLane	DB00100000
17 27	BikePath	DC31850110
17 28	FootPath	DC31700100
17 29	EquestrianPath	DC91800120
17 31	Road.type"Driveway"	DB00100100
17 38	Road.surface"Paved".lanes"1".type"Undivided"	DA25100180
17 39	Road.surface"Paved".lanes"1".type"Undivided".status"U/C"	DA25100320

Level / Colour	Feature Name	Feature Code
17 42	Road.surface"Paved".lanes"2".type"Undivided"	DA25300190
17 43	Road.surface"Paved".lanes"2".type"Undivided".status"U/C"	DA25300330
17 51	Road.surface"Loose".lanes"1".type"Undivided".status"U/C"	DA25000160
17 53	Driveway	DB00100100
17 55	Road.type"BusLane"	DA25060100
19		
19 2	Bridge	DD93250000
19 3	FootBridge	DD93100000
19 4	AerialCableway	CQ00300000
19 5	Road.type"Intersection"	DD14800000
19 6	Overpass	DD99850000
19 7	Funicular	DD90100000
19 9	Ramp	CQ23100000
19 10	Road.type"Shoulder"	DD27250000
20		
20 2	Trestle	DD93200000
20 4	Tunnel	DD93220000
20 6	Snowshed	DD28350000
20 7	Backstop	DD29650000
20 8	Barrier	CR01600000
20 9	Billboard	CB01950000
20 11	Butts	CJ03660000
20 13	Culvert (symbol)	DD98500000
20 14	Culvert	DD08500000
20 15	ElevatedRoadway	DA94900000
20 16	GuardRail	DD12950000
20 17	Walkway	DC90100000
20 18	Gate	CR12200000
20 19	Gate (symbol)	CR12202000
21		
21 1	RailLine.type"MultipleTrack"	DE22900000
21 2	RailLine.type"DoubleTrack"	DE22850000
21 3	RailLine.type"SingleTrack"	DE22950000
21 4	RailLine.type"Spur"	DF28850000
21 5	RailLine.type"AbandonedTrack"	DE22950001
21 8	RailwayTurntable	DD32300000
21 9	RailwayBumper (symbol)	DD25650000
21 11	RailwayScale (symbol)	DD91650000
21 12	RailLine.status"StreetCar".type"SingleTrack"	DE22950160
21 13	RailwaySwitch (symbol)	DD30200000
23		
23 1	Text.type"Transportation"	KC90100000
23 2	Text.type"Landmark"	KC90200000

Level / Colour	Feature Name	Feature Code
26		
26 1	Pipeline	EA21400000
26 2	Tower.type"Transmission" (symbol)	CC90000000
26 3	Well.type"Oil" (symbol)	CG19600000
26 4	TransmissionLine.type"Hydro"	EA16400120
26 6	Cable.type"Insulated"	EA03800000
26 7	SkiLift	CL27800000
26 8	Fence	CR10750000
26 9	Tank	EA30400000
26 10	Tank (symbol)	EA90000000
26 11	Dam (symbol)	GA98450000
26 12	Dam.section"Top"	GA08450000
26 13	BeaverDam	GA08450110
26 14	Dyke	GE09400000
26 16	Tower.type"Unspecified" (symbol)	CC31150000
26 17	Dam.section"Base"	GA98450100
26 18	Dam.section"Spillway"	GA28550000
26 19	Tower.type"Microwave" (symbol)	CC31150110
26 21	FireLookoutTower (symbol)	BF10950120
26 22	OilTank (symbol)	EA90400110
26 23	OilTank	EA30400110
26 24	Outfall.type"Drain" (symbol)	EA99800100
26 25	Outfall.type"Sewer" (symbol)	EA99800200
26 26	Pipeline.type"Gas"	EA21400270
26 27	SewerLine.type"Sanitary"	EA21400470
26 28	PumpingStation.type"Sewer"	BP26800000
26 29	SewerLine.type"Storm"	EA21400580
26 30	Sluice	GA28200000
26 31	PumpingStation.type"Water"	BG22400130
26 32	Tower.type"Lookout" (symbol)	CL19200000
26 33	TransmissionLine.type"Unspecified"	EA16400000
26 34	Well.type"Gas" (symbol)	CG12150000
26 35	Well.type"Water" (symbol)	GF33400000
26 36	WaterTower (symbol)	EA31050110
26 37	Fountain (symbol)	CL91800000
26 38	Fountain	CL11800000
26 39	HistoricMonument	AL13650000
26 40	Hopper	CG13800000
26 41	Dock	CQ08850000
26 42	SolarCollector	CR90400000
26 44	LoadingDock	CQ08850110
26 45	Platform	CQ21750000
26 46	Rack	CR90500000
26 50	TransmissionLine.type"Power"	EA16400110
26 51	FireHydrant (symbol)	EA14201000
26 52	Valve.type"GasLine" (symbol)	EA32550000
26 53	FuelPump	CB11850000
26 54	Manhole.type"Sewer" (symbol)	EA16850130
26 55	FuelPump.type"Gasoline"	CB11850130
26 56	FuelPump.type"Gasoline" (symbol)	CB11852130

Digital Baseline Mapping at 1:5 000 / 1:2 500

Level / Colour	Feature Name	Feature Code
26 57	Manhole.type"Gas" (symbol)	EA16850200
26 58	HistoricMonument (symbol)	CL18400200
26 59	HistoricMonument.type"Marker"	AL13652100
26 60	FireLookoutTower	BF10951120
26 60	FuelPump (symbol)	CB11852000
26 61	Pump	EA22350000
26 62	Manhole.type"Telephone" (symbol)	EA16850160
26 63	ValveChamber.type"Water"	BG22500110
26 64	Manhole.type"Electrical" (symbol)	EA16850110
26 65	Manhole (symbol)	EA16850000
26 65	Pump (symbol)	EA22352000
26 66	Pylon (symbol)	EA31200110
26 67	Tower.type"Lookout"	CL19202000
26 68	Tower.type"Microwave"	CC31152110
26 69	Tower.type"Transmission"	CC90002000
26 70	WaterTower	EA31052110
35		
35 1	PhotoCentre (symbol)	FD21100000
35 2	ControlPoint.type"Horizontal".status"PermanentlyMarked" (symbol)	FB18450000
35 4	ControlPoint.type"Vertical".status"PermanentlyMarked" (symbol)	FB18650000
35 10	CadastralPoint.status"PermanentlyMarked" (symbol)	FD90500000
35 12	Text.type"AerialTriangulation"	KC90000000
38		
38 1	Text.type"LandForm"	KC90500000
39		
39 1	River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Definite	GA24850000
39 2	River/Stream <P8MI>Geometric Rep Qualifier:<P255D> Indefinite	GA24850140
39 3	River/Stream.type"Intermittent"	GA24850150
39 6	River/Stream.type"LeftBank"	GA90000110
39 7	River/Stream.type"RightBank"	GA90000120
39 8	Ditch	GA08800110
39 9	Canal.type"LeftBank"	GA90001110
39 10	Canal.type"RightBank"	GA90001120
39 11	Canal	GA03950000
39 12	Falls (symbol)	GA90002110
39 13	Falls	GA10450000
39 14	Rapids (symbol)	GA23500110
39 15	Rapids	GA23500000
39 16	FlowArrow	GE90200000
39 19	Flume	GA11500000
39 20	Arrowhead (symbol)	GE90200110
39 21	Sinkhole (symbol)	HB27550000
39 23	Spring (symbol)	GF28750000
39 24	Aqueduct	GA00950000
39 28	Penstock	GA21050000
39 36	River/Stream.type"LeftBank".status"HighWaterMarkDefinite"	GA24850210
39 37	River/Stream.type"LeftBank".status"HighWaterMarkIndefinite"	GA24850240
39 38	River/Stream.type"LeftBank".status"Indefinite"	GA90000130
39 39	River/Stream.type"RightBank".status"Indefinite"	GA90000140

Level / Colour	Feature Name	Feature Code
39 40	River/Stream.type"RightBank".status"HighWaterMarkIndefinite"	GA24850230
39 41	River/Stream.type"RightBank".status"HighWaterMarkDefinite"	GA24850220
39 50	Ditch.Indefinite	GA08800130
40		
40 3	Lake <i>Geometric Rep Qualifier</i> : Definite	GB15300000
40 4	Lake <i>Geometric Rep Qualifier</i> : Indefinite	GB15300130
40 5	Lake.type"Intermittent"	GB15300140
40 6	Lake.type"DateofPhotography"	GB15300180
40 7	Island <i>Geometric Rep Qualifier</i> : Position Approximate	GE14850000
40 8	Reservoir <i>Geometric Rep Qualifier</i> : Definite	GB24300000
40 9	Reservoir <i>Geometric Rep Qualifier</i> : Indefinite	GB90100000
40 10	Reservoir.type"Intermittent"	GB90100110
40 11	Island <i>Geometric Rep Qualifier</i> : Definite (symbol)	GE94850000
40 13	TailingPond	AP90300100
40 14	Reservoir.type"ProposedMaxResLevel"	GB90100120
40 15	SettlingPond	EA26700100
40 16	Island <i>Geometric Rep Qualifier</i> : Position Approximate	GE94850100
40 19	Island.type"River"	GE14850130
40 21	Reservoir.status"Underground"	GB24300110
40 23	Reservoir.type"MunicipalWaterStorage".status"AboveGround"	GB94300220
40 25	Reservoir.type"MunicipalWaterStorage".status"Elevated"	GB94300230
40 27	Reservoir.type"MunicipalWaterStorage".status"Underground"	GB94300200
40 28	Reservoir.type"MunicipalWaterStorage".status"GroundLevel"	GB94300210
40 29	Reservoir.type"PrivateWaterStorage"	GB99150200
40 30	SewageLagoon.type"Private"	AP19950100
40 31	SubmergedReef	GE23600000
40 32	FiltrationBeds	EA10850000
40 34	FishPond	GB15300300
41		
41 1	FloodedLand.type"Inundated" (area outline)	GB11350110
41 2	Marsh (area outline)	GC17100000
41 3	Swamp (area outline)	GC30050000
41 4	FloodedLand.type"Inundated" (area symbol)	GB90000000
41 5	Marsh (area symbol)	GC90100000
41 6	Swamp (area symbol)	GC90200000
41 9	MarshInWater (area outline)	GC17100110
41 10	MarshInWater (area symbol)	GC90300000
42		
42 1	Icemass.type"PermanentSnow&Ice"	GD14450000
42 2	Glacier	GD12300000
43		
43 1	Coastline <i>Geometric Rep Qualifier</i> : Definite	G05800000
43 2	Coastline <i>Geometric Rep Qualifier</i> : Indefinite	GG95800130
43 3	River/Stream.type"Dry"	GA24850130
43 4	Sand/GravelBar (area outline)	GE25850000
43 5	Sand/GravelBar (area symbol)	GE90100000

Digital Baseline Mapping at 1:5 000 / 1:2 500

43	6	Beach	GE01800000
Level / Colour		Feature Name	Feature Code
43	8	ForeshoreFlats	GE30850000
43	9	ForeshoreFlats (area symbol)	GE90850100
44			
44	1	WaterLevel(DateofPhotography) (symbol)	HA33100000
44	2	Text.type"Hydrographic"	KB14250000
47			
47	1	Contour.type"Index"	HA90000000
47	2	Contour.type"Index".option"Indefinite"	HA90000110
47	3	Contour.type"Index".option"Depression"	HA90000130
47	4	Contour.type"Index".option"DepressionIndefinite"	HA90000140
47	5	Contour.type"Intermediate"	HA90001000
47	6	Contour.type"Intermediate".option"Indefinite"	HA90001110
47	7	Contour.type"Intermediate".option"Depression"	HA90001130
47	8	Contour.type"Intermediate".option"DepressionIndefinite"	HA90001140
48			
48	1	Slide (area outline)	HB27900000
48	2	Moraine	HB18700000
48	3	Esker	HB10200000
48	4	Scree	HB26150000
48	5	CliffScarp	HB05650000
48	6	Slide (area symbol)	HB90000000
48	7	MountainPeak (symbol)	HB18800000
48	8	VolcanicCrater	HB07650130
48	9	LavaBed	HB15850000
48	10	SandDune	HB09450000
48	11	Cave (symbol)	HB04600000
49			
49	1	SpotHeight (symbol)	HA28700000
49	2	Text.type"HypsographicExcludingContourNumbers"	KC14300000
49	3	Text.type"HypsographicContourNumbers"	KC14300130
51			
51	2	DEMPoint.type"Indefinite" (symbol)	HA90100110
51	5	BreakLine.type"Sharp"	HA90200000
51	6	BreakLine.type"Round"	HA90200110
51	10	AreaofExclusion	HC90000000
51	12	AreaofIndefiniteContours	HC90000100
51	15	BreakLine.type"Hypsographic"	HA90200120
51	16	BreakLine.type"Hydrographic"	HA90200130
51	17	BreakLine.type"TransportationandOtherManMade"	HA90200140
51	19	DEMPoint.type"DefiniteDerived" (symbol)	HA90100300
51	21	DEMPoint.type"IndefiniteDerived" (symbol)	HA90100310

Level / Colour	Feature Name	Feature Code
52		
52 1	WoodedArea	JA33750000
52 3	LoggedArea	JA13300000
52 4	ScrubArea	JD26200000
52 5	Reforestation	JA23750000
52 6	Shrub (Symbol)	JD27200000
52 7	Shrub	JD27200100
52 8	Tree (symbol)	JA92050100
52 9	Tree	JA32050000
52 10	TreeRow	JA25550000
53		
53 1	Nursery	JB19150000
53 2	Orchard	JB19650000
53 3	Vineyard	JB32800000
53 4	Hedge	JD13400000

Appendix H Codes, Features and Definitions

A

AccessLane	DB00100000
A specially prepared route on land for the movement of vehicles from place to place. A private route not open to the public.	
AerialCableway	CQ00300000
A transportation device for freight or passengers consisting of a carrier and a cable supported by towers.	
AirFeature.type"Runway".status"Paved"	AQ25670110
A specially prepared paved surface for the landing and takeoff of airplanes.	
AirFeature.type"Runway".status"Unpaved"	AQ25670120
A tract of land set apart for the arrival, departure, movement and servicing of aircraft. This feature is no longer maintained for aviation purposes.	
AirField	AQ00450000
A tract of land set apart for the arrival, departure, movement and servicing of aircraft. Airfields are usually without a passenger terminal.	
AirPort.status"Abandoned"	AQ00550001
A tract of land set apart for the arrival, departure, movement and servicing of aircraft. This feature is no longer maintained for aviation purposes.	
AirTrafficControlTower	BQ31100000
A Facility for providing regulatory control of the arrival, departure and movement of aircraft.	
Airport	AQ00500000
A tract of land set apart for the arrival, departure, movement, and servicing of aircraft; having paved and lighted runways, and operating a control tower.	
Airstrip	AQ00550000
A tract of land, consisting of a single runway, usually of gravel construction, set apart for the arrival, departure, and movement of aircraft.	
AmbulanceBuilding	BH12950000
A facility housing ambulance services.	
AmunitionDump	AJ00650000
A military installation used for the storage of explosives and other volatile materials, normally fenced and having a legal boundary.	
AmunitionMagazine	CJ22300000
A military structure used for the storage of explosives materials.	
Antenna	CC0850000
A device, usually metallic, for transmitting and receiving radio signals..	
ApartmentBuilding	BN00900000
A multi-tenant residential building.	
Aqueduct	GA00950000
A conduit for large volumes of water.	

AreaUnderDevelopment	AS90000100
An area for which construction activities are taking place at the time of data collection.	
AreaofExclusion	HC90000000
An area outline in the DEM within which contours will not be interpolated. Not shown in the cartographic representation.	
AreaofIndefiniteContours	HC90000100
An area in the DEM which is outlined in such a manner that contours which are interpolated within its boundary will be depicted as indefinite.	
Arrowhead	GE90200110
A directional indicator. Generally used to show direction of flow in a split stream.	
AutoWrecker	AB33850110
An area set aside for the disposal or recycling of damaged or derilict automobiles.	

B

Backstop	DD29650000
A feature defibing the end of a travelled roadway.	
Barn	BA01450000
A large utility building on a farm complex.	
Barrier	CR01600000
An object or set of objects that seorate, demarcates, or serves as a barricade.	
Beach	GE01800000
An area of shoreline of an ocean, lake or river bank that is covered by sand, gravel or large rock fragments.	
Beacon	CQ01850000
1) A non-lighted structure erected near a shoreline to guide mariners. 2) A light or non-lighted structure fot guidance of aircraft.	
BeaverDam	GA08450110
A dam of logs, branches, twigs and mud constructed by beavers.	
BikePath	DC31850110
A specially prepared route on land for the movement of bicycles.	
Billboard	CB01950000
A large panel designed to carry outdoor advertising.	
BirdSanctuary	AD25800110
A refuge for wild birds where predators are controlled and hunting is prohibited.	
Bleachers	CL02050000
A typically uncovered stand of tiered planks providing seating space for spectators.	

Digital Baseline Mapping at 1:5 000 / 1:2 500

Boundary.type"International"

UNDEFINED

The line defining the limits of a sovereign state.

Boundary.type"Provincial"

UNDEFINED

The line defining the limits of a province.

BoundaryMonument

FB18500000

A structure, usually of concrete, containing a survey monument.

BreakLine.type"Hydrographic"

HA90200130

Natural hydrographic breaklines such as rivers.

BreakLine.type"Hypsographic"

HA90200120

Natural non-hydrographic breaklines such as cliffs.

BreakLine.type"Round"

HA90200110

A rounded breakline causes a smoother but still well defined deflection to the interpolated contour.

BreakLine.type"Sharp"

HA90200000

A sharp breakline causes a definite pointed character to the interpolated contour.

BreakLine.type"Transportationand OtherManMade"

HA90200140

Man made breaklines in the topography such as roads and railways.

Breakwater

GE03050110

A structure for breaking the force of waves to protect a beach, harbour, or other waterfront facility.

Bridge

DD93250000

A structure erected along a travelled route to span a depression or obstacle.

Building (symbol)

BR90000110

A generic term for any permanent walled and roofed construction.

Building (to scale)

BR90000000

A generic term for any permanent walled and roofed construction.

Building.type"Religious"

BM03350000

A Church, Mosque, Synagogue, Temple or other building used for religious worship.

Buoy

CQ23450100

A floating guide to navigation.

Burner

CG03550000

A permanent structure used for the disposal of waste wood products by burning.

Butts

CJ03660000

An earthen structure built behind the target of a rifle range or archery range etc. to stop projectiles.

C

Cable.type"Insulated"	EA03800000
An insulated wire used for conducting an electrical current, e.g. television, telephone or submarine telegraph or telephone.	
CadastralPoint.status"PermanentlyMarked"	FD90500000
A marked point, surveyed or derived, of known geographic coordinates.	
CampgroundCampsite	AL03900000
A parcel or tract of land developed for tents and /or trailers to serve as temporary residences for the public.	
Canal	GA03950000
An artificial inland watercourse, larger than a ditch, used: a) to serve as a navigable waterway, b) to serve as a water supply in arid areas.	
Canal.type"LeftBank"	GA90001110
An artificial inland watercourse, larger than a ditch, used: a) to serve as a navigable waterway, b) to serve as a water supply in arid areas. Flowing in a downhill direction the water exists to the right of the left bank.	
Canal.type"RightBank"	GA90001120
An artificial inland watercourse, larger than a ditch, used: a) to serve as a navigable waterway, b) to serve as a water supply in arid areas. Flowing in a downhill direction the water exists to the left of the right bank.	
CatchBasin	EA04300000
A tank or reservoir designed to receive rainwater. It is not to be confused with a catchment area or basin.	
Cave	HB04600000
A naturally formed subterranean open area, chamber or series of chambers.	
Cemetery	AM04560000
A burial place or burial ground.	
Channel	GA05200000
A part of the river containing water at time of photography, below the high water mark.	
Channel.type"LeftBank"	GA95200120
A part of the river containing water at time of photography, below the high water mark. A definite watercourse of sufficient width to delineate separate banks. "LeftBank" indicates the left shoreline heading downstream.	
Channel.type"RightBank"	GA95200110
A part of the river containing water at time of photography, below the high water mark. A definite watercourse of sufficient width to delineate separate banks. "RightBank" indicates the right shoreline heading downstream.	
ChannelMarker	CQ23450000
A fixed aid to navigation, usually mounted on a piling or dolphin.	

CityHall A chief administrative building of a city.	BF05550000
CliffScarp 1) A cliff is a perpendicular or nearly perpendicular rock face. 2) A scarp is a line of cliffs.	HB05650000
Coastline"Geometric Rep Qualifier"Definite The shoreline of an ocean at the mean high water mark.	GG05800000
Coastline"Geometric Rep Qualifier"Indefinite The shoreline of an ocean at the mean high water mark. The tidal high water mark is obscured on the aerial photography.	GG95800130
College A building containing an institution for post-secondary instruction in a professional, vocational or technical field..	BE05900000
CommunicationsBuilding (symbol) An enclosure that houses electronic equipment used in telecommunications.	BC29250000
CommunicationsBuilding (to scale) An enclosure that houses electronic equipment used in telecommunications.	BC99250000
CommunityCentre A large building used for public activities.	BL13100130
ConservationArea A tract of land set aside for the preservation and protection of some natural resource or species.	AD25800000
Contour.type"Index" A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours.	HA90000000
Contour.type"Index".option"Depression" A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours. This is a closed contour around a depression from which there is no surface drainage.	HA90000130
Contour.type"Index".option"DepressionIndefinite" A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours.	HA90000140
Contour.type"Index".option"Indefinite" A line on a map or chart connecting an infinite number of points having the same elevation. This contour line is accentuated by a heavier line weight to distinguish it from intermediate contours.	HA90000110
Contour.type"Intermediate" A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.	HA90001000
Contour.type"Intermediate".option"Depression" A line on a map, or chart connecting an infinite number of points having the same elevation. This contour line is drawn between index contours. This is a closed contour around a depression from which there is no surface drainage.	HA90001130

Contour.type"Intermediate".option"DepressionIndefinite"	HA90001140
A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.	
Contour.type"Intermediate".option"Indefinite"	HA90001110
A line on a map or chart connecting an infinite number of points having the same elevation. This contour is drawn between index contours.	
ControlPoint.type"Horizontal".status"PermenantlyMarked"	FB18450000
A surveyed and marked point of known latitude and longitude. (may include elevation)	
ControlPoint.type"Vertical".status"PermenantlyMarked"	FB18650000
A surveyed and marked point of known elevation.	
Conveyor	CQ06400000
A mechanical apparatus used to carry materials by means of a moving belt.	
Conveyor	CQ06400000
A mechanical apparatus used to carry materials by means of a moving belt	
CourtYard	AL90100000
An uncovered area partly of wholly enclosed by buildings, walls or trellises.	
Courthouse	BF07550000
A building in which courts of law are regularly convened.	
Crane.type"Permanent"	CG07600000
A fixed mechanical device used to lift and move heavy objects.	
Culvert (symbol)	DD08050100
A traverse drain under a road or track.	
Culvert (to scale)	DD08500000
A traverse drain under a road or track.	
CustomsOffice (symbol)	BF01850000
A structure near or at an international boundary where travellers/vehicles are inspected.	
CutEarthwork	DD08350000
A surface excavation made so that a uniform grade can be maintained on a road or railway.	
CutlineSeismicLine	JA08400000
A line cut through a forest area to facilitate a cadastral or seismic survey or to create a firebreak.	

D

DEMPoint.type"Check"	HA90400000
A point that is collected photogrammetrically to check the accuracy of the digital elevation model.	

DEMPoint.type"Definite"

HA90100000

A point collected photogrammetrically from a stationary measuring device and captured specifically to represent the topographic surface in explicit x,y, and z values.

DEMPoint.type"DefiniteDerived"

HA90100300

A point derived from contours collected photogrammetrically from a stationary measuring device and captured specifically to represent the topographic surface in explicit x,y, and z values.

DEMPoint.type"Indefinite"

HA90100110

A point collected photogrammetrically from a stationary measuring device and captured specifically to represent the topographic surface in explicit x,y, and z values. It is used in areas where the surface is obstructed by ground cover, or photographic anomalies such as "stereo dead" area or "sunspots".

DEMPoint/type"IndefiniteDerived"

HA90100310

A point derived from contours collected photogrammetrically from a stationary measuring device and captured specifically to represent the topographic surface in explicit x,y, and z values. It is used in areas where the surface is obstructed by ground cover, or photographic anomalies such as "stereo dead" area or "sunspots".

Dam

GA98450000

A barrier built across a watercourse or waterbody to control the water flow.

Dam.section"Base"

GA98450100

A barrier built across a watercourse or waterbody to control the water flow. The base is the lower part, bottom, or foundation of a dam

Dam.section"Spillway"

GA25855000

A barrier built across a watercourse or waterbody to control the water flow. A spillway is a passage allowing surplus water to run over or around an obstruction such as a dam.

Dam.section"Top"

GA08450000

A barrier built across a watercourse or waterbody to control the water flow. When captured to scale, the area located at the top of a dam.

DesignatedArea

AS90000000

An area dedicated to a particular use or purpose.

Ditch

GA08800110

A man-made trench in the earth used for drainage or irrigation.

Ditch.Indefinite

GA08800130

A man-made trench in the earth used for drainage or irrigation (Indefinite).

Dock

CQ08850100

A place for the loading and unloading of materials.

Dockyard

AG90100000

A specially prepared area where ships or boats are repaired.

DriveinTheatre

AL09000000

An open air facility which allows patrons to view motion pictures while seated in vehicles.

DrivingRange **AL23300120**
A facility for practising the driving of golf balls.

Drydock **CG09100000**
An enclosure from which the water can be removed to facilitate the repair and maintenance of ships.

Dump **AP09200000**
An area set aside for the disposal of garbage and other refuse.

Dyke **GE09400000**
An embankment built to restrict the flow of water or other fluids.

D

ElectricalSubstationComplex **BG09850000**
A subsidiary power facility in which electrical current is transformed for local distribution.

ElevatedRoadway **DA94900000**
A structure erected above the terrain for the movement of vehicles over other roadways, difficult terrain, or industrial sites.

EquestrianPath **DC91800120**
A specially prepared route on land for the movement of horses.

Esker **B10200000**
A narrow, sinuous, steep-sided ridge composed of sand or gravel deposited by a glacial stream.

ExhibitionGrounds **HB10200000**
A public area containing permanent buildings used for amusement and display purposes.

ExperimentalFarmStation **AA10550120**
A farming area where tentative agricultural policy or procedure are enacted to test a hypothesis.

F

Factory **BG10300000**
A large facility for manufacturing.

Falls (to scale) **GA10450000**
The water in a watercourse that follows a perpendicular or very steep descent.

Falls (symbol) **GA90002110**
The water in a watercourse that follows a perpendicular or very steep descent.

Fence **CR10750000**
A barrier made of wire, rails, slates, or other relatively light materials used to enclose or divide an area.

FerryDock **CQ08850130**

Digital Baseline Mapping at 1:5 000 / 1:2 500

A structure built along or into a waterway from the shoreline, used for mooring vessels when loading or unloading passengers and/or vehicles.

FerryRoute **AQ10800000**

The water route a ferry follows when transporting vehicles and/or passengers.

FerryTerminal **BQ30750140**

A place where passengers gather to be transported by ferry across a body of water.

FillEmbankment **DD09950000**

A portion of a road or railway bed that has been built-up with earth or other materials to maintain a uniform grade.

FireLookoutTower (symbol) **BF10950120**

A high structure from which the outbreak of forest fires can be detected and reported.

FireStation **BF11000000**

A building housing fire-fighting equipment.

FishHatchery **AF11150000**

A facility used for the spawning of fish.

FloodedLand.type"lnundated" (area outline) **GB11350110**

An area that is seasonally or temporarily covered by water because the natural drainage has been interrupted or obstructed.

FloodedLand.type"lnundated" (area symbol) **GB90000000**

An area that is seasonally or temporarily covered by water because the natural drainage has been interrupted or obstructed.

FlowArrow **GE90200000**

A symbol used to clarify the direction of flow on a double line stream when this information is not evident from the map relief.

Flume **GA11500000**

An inclined, man-made, open channel used to convey water for other than drainage purposes.

FootBridge **DD93100000**

A bridge for pedestrians.

FootPath **DC71300100**

A specially prepared route on land for pedestrian travel.

ForeShoreFlats **GE90850000**

A level low lying shore area of deposits laid bare at low tide.

Foundation **AL90200000**

A concrete structure for the support of a building.

Fountain (symbol) **CL91800000**

A structure from which an artificially produced jet of water rises.

Fountain (to scale) **CL11800000**

A structure from which an artificially produced jet of water rises.

Funicular	DD90100000
A cable railway ascending and descending a mountain utilizing counter-balanced cars.	

G

Glacier	GD12300000
A field of ice formed in regions of perennial frost from compacted snow.	

Golf.type"Miniature"	AL12350110
An outdoor amusement area equipped with golf tees, holes and artificial hazards.	

GolfCourse	AL12350000
An area designed for the game of golf.	

GovernmentBuilding	BF12450000
A building in which government activities take place.	

GrainElevator	BA12600000
A building for the elevating, storing and discharging of grain.	

Grandstand	CL12650000
A typically roofed structure for spectators at a stadium or racecourse.	

Greenhouse (symbol)	BA92800000
A transparent or opaque enclosure used for the cultivation or protection of plants.	

Greenhouse (to scale)	BA12800000
A transparent or opaque enclosure used for the cultivation or protection of plants.	

GuardRail	DD12950000
A barricade along the side of a travelled route.	

GunEmplacement	CR90200000
A prepared position for the placement of artillery.	

H

Heliport (symbol)	AQ13460000
A land aerodrome designed to be used by helicopters.	

HighwayServiceCentre (symbol)	BB26600000
A building beside and directly accessible from the highway, providing automotive services and restaurant facilities.	

HistoricSitePointOfInterest	L18400005
Site or area declared to be of national or provincial historic significance or interest, maintained for the public.	

HistoricSitePointOfInterest (symbol)	CL18400000
Site or area declared to be of national or provincial historic significance or interest, maintained for the public.	

I

Icefield	GD14450000
A general designation for ice caps or other extensive and irregular areas of permanent snow and ice.	
Incinerator (symbol)	CP94500000
A furnace or container for the burning of waste materials.	
Incinerator (to scale)	CP14450000
A furnace or container for the burning of waste materials.	
Icemass.type"DebrisCoveredIce"	GD92300000
The portion or remnant of a glacier covered by earth and possibly low vegetation, which delays the melting of the ice beneath.	
Island (symbol)	GE94850000
A land mass completely surrounded by water.	
Island (to scale)	GE14850000
A land mass completely surrounded by water.	
Island"Geographic Rep Qualifier"Position Approximate	GE94850100
A land mass completely surrounded by water. Named islands and rocks not visible on the aerial photograph.	
Island.type"River"	GE14850130
A land mass completely surrounded by water and situated in a river. The elevation of the river shoreline is not constant, as opposed to the shoreline of an island in a lake or body of seawater which has a constant elevation.	

K

Kiln (symbol)	CG95150000
An oven, furnace or heated enclosure for the processing of materials by burning, firing or drying.	
Kiln (to scale)	CG15150000
An oven, furnace or heated enclosure for the processing of materials by burning, firing or drying.	

L

Lake"Geometric Rep Qualifier" Definite	GB15300000
A body of fresh water that is completely surrounded by land. 1:250 000: 15mm at map scale	
Lake "Geometric Rep Qualifier" Indefinite	GB15300130
A body of fresh water that is completely surrounded by land. Shoreline obscured on the aerial photography.	
Lake.type"Dateof Photography"	GB15300180
The normal high water mark of a fresh waterbody which is dry at the date of photography, (This feature will not supersede any other lake code.)	

Lake.type"Intermittent" A fresh waterbody that is normally dry at sometime during the year.	GB15300140
LavaBed An area where molten rock has flowed from a volcano or fissure and cooled to form solidified rock.	HB15850000
Library A facility in which literary, musical, artistic, or reference materials as books, manuscripts, recordings, or films are kept for use but not for sale.	BE16200000
Lighthouse A lighted structure erected near the shore to provide mariners with a visual navigation reference.	CQ165350100
LoadingDock A structure used for the loading and unloading of materials.	CQ08850110
Locks An enclosure similar to a canal with gates at each end used for the raising and lowering water bourne vessels as they progress from level to level.	CQ165000000
LoggedArea An area on which timber has recently been cut.	JJ13300000
LumberMill An area with the prime function of converting raw logs into dimension lumber.	AG17500150
LumberYard An enclosure that is used to store lumber products.	AB33850140

M

MarinaYaghtClub A marina is a complex for mooring and servicing pleasure boats.	BL17000000
Marsh (area outline) A water-saturated, poorly drained, treeless area intermittently or permanently water covered, having cattails, rushes, or grass-like vegetation.	GC17100000
Marsh (area symbol) A water-saturated, poorly drained, treeless area intermittently or permanently water covered, having cattails, rushes, or grass-like vegetation.	GC90100000
MarshinWater (area outline) A marsh area that occupies part of a lake or other body of water.	GC17100110
MarshinWater (area symbol)	GC90300000

A marsh area that occupies part of a lake or other body of water.

MilitaryEstablishment

AJ01650000

An area owned and operated by the Dept. of National Defence to facilitate military activities.

Mine

AG17750000

An excavation, tunnel, or area from which mineral substances are extracted.

Mine.type"OpenPit"

AG17600000

An excavation from which mineral substances are taken. Generally larger and deeper than a quarry.

MineWaste

AP27850000

An area set aside to hold refuse material produced by mining operations.

MobileHomePark

AN18100000

An area containing trailers used as permanent dwellings.

Moraine

HB18700000

A mound, ridge, or other accumulation of glacial debris appearing in a variety of topographic landforms, deposited by direct action of glacial ice.

MountainPeak

HB18800000

The summit (highest point) of a mountain; especially the summit of a conspicuously precipitous mountain.

Museum

BL18900000

A facility in which articles of historic or cultural interest are kept for public viewing.

N

Nursery

JB19150000

A place where shrubs, flowers, trees atc. are propagated for transplanting or for seeding and grafting.

O

OilTank (symbol)

EA90400110

A structure used for the storage of oil.

OilTank (to scale)

EA30400110

A structure used for the storage of oil.

Orchard

JB19650000

A plantation of fruit or nut bearing trees.

Outfall.type"Drain"

EA99800100

The outlet of a drain.

Outfall.type"Sewer"

EA99800200

The outlet of a sewer.

Overpass An elevated structure along a travelled route permitting passage over another travelled route.	DD99850000
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P

Park/PicnicArea An area set aside for the daytime convenience of travellers.	AL20150000
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PeatCutting An area in a peat bog where peat is or has been removed.	AG20850000
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Penitentiary A facility in which offenders against the law are confined.	BF90250000
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Penstock A pipe for carrying water.	GA21050000
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PhotoCentre A symbol on a map indicating the centre of an aerial photograph.	FD21100000
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Pier A structure built on a waterway used to moor vessels when loading or unloading cargo and/or passengers.	CQ21250000
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Pile.type"RawMaterial" A quantity of raw materials heaped together into a mound.	AG21275000
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Pile.type"Unspecified" A quantity of material.	AG91275000
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Pipeline A cylindrical conduit used to convey liquids or gases.	EA21400000
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Pipeline.type"Gas" A pipeline along which gas is transported.	EA21400270
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Pit.type"Abandoned" An excavation from which sand or gravel has been removed (e.g. borrow pit). No longer used for original purpose.	AG21550001
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Pit.type"GravelSand" An excavation from which sand or gravel is actively being removed.	AG21550000
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Platform A horizontal flat surface higher than the surrounding area.	CQ21750000
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PlayGround A small park for children.	AL21850000
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Pole A wood, metal or concrete upright, i.e., flag pole, climbing pole.	EA21950000
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Pole.type"Electrical" **EA21950110**
Any slender piece of wood, metal or concrete used for supporting electrical power lines.

Pole.type"LampStandard" **EA21950130**
Any slender piece of wood, metal or concrete used for the supporting lamp standards.

Pole.type"Telephone" **EA21950120**
Any metal, wood or concrete upright used for supporting telephone lines.

Pole.type"Utility" **EA21950140**
Any metal, wood or concrete upright used for supporting cables, i.e. power, telephone or cablevision.

PoliceStation **BF22000000**
A facility housing the law enforcement agencies for a particular jurisdiction.

PostOffice **BF22250000**
A local branch of the national postal system which handles the mail for a particular area.

PumpingStation.type"Sewer" **BP26800000**
A facility containing pumping equipment for effluent.

PumpingStation.type"Water" **BG22400130**
A facility containing pumping equipment for fresh water.

Q

Quarry.type"Dry" **AG22450000**
An excavation created by removal of stone by blasting or cutting.

Quarry.type"WaterFilled" **GB22500000**
A water filled excavation created by removal of stone by blasting or cutting.

Quay **Q22600000**
A specially prepared paved area beside navigable water for convenience in loading and unloading of ships and barges.

R

RaceTrack **AL22650000**
A hard or loose surface route on which sporting activities take place, such as horse or car races. As opposed to a sportstrack where human sporting events take place.

Rack **CR90500000**
An excavation created by removal of stone by blasting or cutting.

RailLine.type"AbandonedTrack" **DE22950001**
A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. No longer used.

RailLine.status"DoubleTrack" **DE22850000**
A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. A double track has two closely parallel rail lines on the same roadbed.

RailLine.type"MultipleTrack"	DE22900000
A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. A multiple track has more than two rail lines on the same roadbed.	
RailLine.type"SingleTrack"	DE22950000
A roadbed with rails fixed to ties providing a track for the movement of trains and other equipment. A single track has one set of rails on the roadbed.	
RailLine.type"Spur"	DF28850000
A short length of railway track leading from the main line.	
RailYard	AQ23000000
A large area with a series of parallel rails and rail switches used for loading and sorting of rail cars.	
RailwayBumper	DD25650000
A raised structure on a rail line to prevent the passage of trains and other equipment.	
RailwayScale	DD91650000
A device for weighing trains.	
RailwaySwitch	DD30200000
A device designed to direct a train from one track to another.	
RailwayTurntable	DD32300000
A railed platform used to turn locomotives.	
Range.type"Civillian"	AL23300000
A area set aside for the recreational discharge of firearms.	
Rapids (to scale)	GA23500000
A fast flowing section of a watercourse or waterbody, generally with exposed rocks and boulders.	
Rapids (symbol)	GA23500110
A fast flowing section of a watercourse or waterbody, generally with exposed rocks and boulders.	
Refinery	BG23650000
A building with equipment for refining and purifying metals, oils or sugar.	
Reforestation	JA23750000
A plantation of young trees to renew the forest cover.	
Reservoir Geometric Rep Qualifier: Definite	GB24300000
An artificial basin where water is collected and kept.	
Reservoir Geometric Rep Qualifier: Indefinite	GB90100000
An artificial basin where water is collected and kept. Shoreline opscured on the aerial photograph.	
Reservoir.status"Underground"	GB24300110
A covered artificial storage place for water built entirely below ground level.	

Reservoir.status"Intermittent"	GB90100110
An artificial basin where water is collected and kept. Usually dry at sometime during the year.	
Reservoir.type"MunicipalWaterStorage".status"AboveGround"	GB94300220
An artificial storage place for municipal water supply built with the bottom at ground level.	
Reservoir.type"MunicipalWaterStorage".status"Elevated"	GB94300230
An artificial storage place for municipal water supply built with the bottom above ground level.	
Reservoir.type"MunicipalWaterStorage".status"GroundLevel"	GB94300210
An artificial storage place for municipal water supply built with the top at ground level.	
Reservoir.type"MunicipalWaterStorage".status"Underground"	GB94300200
An artificial storage place for municipal water supply built entirely below ground level.	
Reservoir.type"PrivateWaterStorage"	GB99150200
An artificial or natural pond used as a storage place for water for private purpose. Privately regulated and maintained.	
Reservoir.type"ProposedMaxResLevel"	GB90100120
An artificial basin where water is collected and kept. This feature delineates the proposed maximum reservoir level.	
Rink	AL24800000
A smooth extent of ice marked off for curling or hockey.	
River/Stream Geometric Rep Qualifier:Definite	GA24850000
The course followed by the natural flow of water on the earth's surface, draining an area or body of water.	
River/Stream "Geometric Rep Qualifier:" Indefinite	GA24850140
The course followed by the natural flow of water on the earth's surface, draining an area or body of water. Obscured on the aerial photography.	
River/Stream.type"Dry"	GA24850130
The course followed by a natural flow of water on the earth's surface, draining an area or body of water. The portion of a river bed that is normally dry but is subject to infrequent flooding.	
River/Stream.type"Intermittent"	GA24850150
The course followed by a natural flow of water on the earth's surface, draining an area or body of water. A definite watercourse that is usually dry, depending upon the season and precipitation.	
River/Stream.type"LeftBank"	GA90000110
The course followed by the natural flow of water on the earth's surface, draining an area or body of water. A definite watercourse of sufficient width to delineate separate banks. LeftBank indicates the left shoreline heading downstream.	
River/Stream.type"RightBank"	GA90000120
The course followed by the natural flow of water on the earth's surface, draining an area or body of water. A definite watercourse of sufficient width to delineate separate banks.<169>RightBank<170> indicates the right shoreline heading downstream.	
Road.surface"Gravel".lanes"1Lane"	DA25000110

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of aggregate, soil or clay.

Road.surface"Gravel".lanes"1Lane".status"U/C"

DA25000160

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 1 lane road with surface of aggregate, soil or clay that is under construction at time of data capture.

Road.surface"Gravel".lanes"2Lane"

DA25000120

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of aggregate, soil or clay.

Road.surface"Gravel".lanes"2Lane".status"U/C"

DA25000170

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of aggregate, soil or clay that is under construction at time of data capture.

Road.surface"Paved".lanes"2Lane"

DA25050180

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".lanes"2Lane".lanedir"OneWay"

DA25100190

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".lanes"2Lane".lanedir"OneWay".status"U/C"

DA25100330

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Paved".lanes"2Lane".status"U/C"

DA25050310

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 2 lane road with surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Paved".lanes"3Lane"

DA25100200

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 3 lane road with surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".lanes"3Lane".status"U/C"

DA25100340

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 3 lane road with surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Paved".sep"Divided".lanes"4Lane"

DA25050190

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".sep"Divided".lanes"4Lane".status"U/C"

DA25050320

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Paved".sep"Divided".lanes"6Lane"

DA25050200

Digital Baseline Mapping at 1:5 000 / 1:2 500

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".sep"Divided".lanes"6Lane".status"U/C"

DA25050330

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Paved".sep"Undivided".lanes"4Lane"

DA25100210

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".sep"Undivided".lanes"4Lane".status"U/C"

DA25100350

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 4 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Paved".sep"Undivided".lanes"6Lane"

DA25100220

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel.

Road.surface"Paved".sep"Undivided".lanes"6Lane".status"U/C"

DA25100360

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. A 6 lane road where the lanes of traffic moving in opposite directions are not separated by an obstruction and with a surface of concrete, asphalt, or tar-gravel that is under construction at time of data capture.

Road.surface"Rough"

DA25150000

A specially prepared route on land for the movement of vehicles (other than railway vehicles) from place to place. An unimproved route (logging or secondary road) (4-wheel drive only).

Ruins

BL25600000

Any abandoned walled and roofed structure.

S

Sand/GravelBar (area outline)

GE25850000

An area of sand or gravel projecting into or protruding from a river/stream.

Sand/GravelBar (area symbol)

GE90100000

An area of sand or gravel projecting into or protruding from a river/stream.

SandDune

HB09450000

An area containing mounds of sand formed by natural action of wind or waves.

SanitaryLandfill

AP09200110

An area set aside for the disposal of refuse by burying.

School

BE26000000

An institution for primary or secondary education.

Scree	HB26150000
A sloping mass of debris consisting of stones and rock fragments located at the foot of a cliff or steep rocky face.	
ScrubArea	JD26200000
An area of low vegetation characterized by stunted trees, brushes and shrubs.	
SeaWall	GE26250000
A wall built to prevent the encroachment of sea water on land.	
SeniorCitizensHome	BN09350140
A facility providing accommodation for senior citizens.	
ServiceStationArea	AQ90100000
A commercial establishment where gasoline and other automotive supplies are sold.	
SettlingPond	AP30300100
An area containing the liquid waste material from an industrial complex.	
SewageLagoon.type"Private"	AP19950100
An inland body of water, generally shallow and of small size created by the flow of sewage. Privately regulated and maintained.	
SewageTreatmentArea	AP26750000
An area where sewage is treated.	
SewerLine.type"Sanitary"	EA21400470
A subterranean conduit to carry off sewage and sometimes surface water.	
SewerLine.type"Storm"	EA21400580
A subterranean conduit to carry off surface water.	
ShoppingCentre	BB27050000
A large building containing several retail stores.	
Shrub (symbol)	JD27200000
A low, usually multi-stemmed, woody plant.	
Sign	DD27400000
A board or other display used to post a command, warning or direction.	
Silo (symbol)	BA90000110
An upright cylindrical structure used for storing silage.	
Silo (to scale)	CA27500000
An upright cylindrical structure used for storing silage.	
Sinkhole	HB27550000
Disappearing stream. A natural funnel shaped depression with underground drainage.	
SkiArea	AL27700000

Digital Baseline Mapping at 1:5 000 / 1:2 500

An area used for snow skiing.

SkiJump **AL27750000**

A ramp-like structure on the side of a hill or mountain for the sport of shi-jumping.

SkiLift **CL27800000**

A cable device for transporting skiers up a hill.

Slab **CR90300000**

A strip of concrete laid as a single unjointed piece.

Slide (area outline) **HB27900000**

A landform freaure consisting of debris from a sudden descent of a mass of earth or rock.

Slide (area symbol) **HB90000000**

A landform freaure consisting of debris from a sudden descent of a mass of earth or rock.

Sluice **GA28200000**

An artificial open passage of water or a trough like structure used in floating logs.

SmokestackChimney **CG28300100**

An upright flue through which combustion gasses and smoke are discharged into the air.

Snowshed **DD23850000**

A roofed structure built ovar a road or railway in mountainous areas to prevent snowslides from blocking a travelled route.

SolarCollector **CR90400000**

A device used for collecting solar energy.

SpoilArea **AG80700000**

An area set aside for the disposal uf undesireable earthworks materials.

SportTrack **AL22650110**

A trach which is used for human competition as opposed to one used for racing horses, automobiles, etc.

SportsField **AL21900000**

A hard or loose-surfaced area which sporting activities take place.

SpotHeight **HA28700000**

A point on the map for which the elevation above sea level has been determined photogrammetrically.

Spring **GF28750000**

A place where water flows naturally from the ground.

StadiumArena **BL01050000**

A large facility used for public events, sporting events and entertainment.

StockYard **AB33850150**

A holding area for livestock.

StorageArea **AB33850160**

An area set aside for the storage of a commodity such as coal, oil.

StorageBin CA02000000
A box, frame, crib or enclosed place used for storage.

SubmergedReef GE23600000
A reef that does not normally appear above the water surface.

SubstationTransformer EA32000160
An installation that is part of an electrical power distribution system.

Swamp (area outline) GC30050000
A water-saturated area, intermittently or permanently covered with water, having shrubs and tree-like vegetation.

Swamp (area symbol) GC90200000
A water-saturated area, intermittently or permanently covered with water, having shrubs and tree-like vegetation.

T

TailingArea AP30300000
An area containing the solid waste material produced in the mining and milling of ore.

TailingPond AP90300100
A hydrologic feature used to separate, collect, or filter waste material from an industrial complex.

Tank (symbol) EA90000000
A cylindrical receptacle used for storage.

Tank (to scale) EA30400000
A cylindrical receptacle used for storage.

Text.type"AerialTriangulation" KC90000000
This text feature is placed in the Non-Positional file, e.g. roll number.

Text.type"Hydrographic" KB14250000
This text is utilized where there is no official gazetted name for the hydrographic feature and is placed in the Non-Positional file. This feature does not supersede the text.type"Toponymy" feature code.

Text.type"HypsographicContourNumbers" KC14300130
Contour numbers are placed in the Representational Contour file.

Text.type"LandCover" KC14300310
This text is placed in the Non-Positional file. The text usually supplies the generic noun describing the feature.

Text.type"LandForm" KC90504000
This text is utilized where there is no official gazetted name for the landform feature and is placed in the Non-Positional file. This feature code does not supersede the Text.type"Toponymy" feature code.

Text.type"LandMark" KC90200000
This text is utilized for the generic feature and placed in the Non-Positional file. This feature does not supersede the Text.type"Toponymy" feature code.

Text.type"Toponymy" KC90300000

Digital Baseline Mapping at 1:5 000 / 1:2 500

This feature includes all gazetted and official names found in the files. These names are placed in the Representational file.

Text.type"Transportation" This text is placed in the Non-Positional file.	KC90100000
TollGate (symbol) A barrier and/or booth on a transportation route at which a user fee is charged..	DD91000000
TollGate (to scale) A barrier and/or booth on a transportation route at which a user fee is charged..	DD31000000
Tower.type"Lookout" A building or structure typically much higher than its diameter or width, affording a wide view for observation.	CL19200000
Tower.type"Microwave" A building or structure typically much higher than its diameter or width, that receives and transmits microwave communication transmissions.	CL31150110
Tower.type"Transmission" A structure supporting a transmission line built to provide clearance above the surrounding objects or features.	CC90000000
Tower.type"Unspecified" (symbol) A building or structure typically much higher than its diameter or width, built to provide clearance above surrounding objects or features.	CC31150000
TrafficLights An electrically operated visual signal for controlling traffic.	DD31550000
Trail A narrow path or route, not wide enough for the passage of a four wheeled vehicle, suitable for hiking or cycling. Park paths and boardwalks are considered trails.	DD31700000
TrailerPark A area dedicated to temporary placement of recreational trailers and vehicles (note change from 1:20000 definition; see MobileHomePark).	AN31950000
TransmissionLine.type"Hydro" Primary - A complex of wires and poles used in the transmission of electrical power.	EA16400120
TransmissionLine.type"Submarine".status"Position Approximate" One or more cables used communication or power transmission located under water.	EA03800250
TransmissionLine.type"Unspecified" One or more cables used for communication or power transmission. (Major)	EA16400000
Tree (small symbol) A tree growing in a generally open area.	JA92050100
TreeRow A row of regularly spaced trees.	JA25550000

Trestle **DD93200000**
A braced framework erected along a travelled route to span a depression or obstacle.

Tunnel **DD93220000**
A subterranean passageway providing a route for road, rail, and/or pedestrian traffic.

U

University **BE32400000**
A building containing an institution for the higher level of learning, study, and research, and empowered to grant degrees.

V

Vineyard **JB32800000**
A plantation of grapevines.

VolcanicCrater **HB07650130**
A bowl-shaped depression at the summit of or around the orifice of a volcano cone, hill, mountain.

W

Walkway **DC90100000**
A passage for pedestrian traffic.

Wall **CR32900000**
A high masonry structure.

Wall.type"Retaining" **DD24600000**
A vertical structure constructed to enclose or divide an area.

WaterLevel(DateofPhotography) **HA33100000**
The height above mean sea level of a water surface.

WaterTower **EA31050110**
A structure containing a tank used for storage of water.

WeighScale **CG33250000**
A facility dedicated to the weighing of commercial vehicles.

Well.type"Gas" **CG12150000**
A hole or shaft sunk or bored into the earth for the extraction of gas.

Well.type"Oil" **CG19600000**
A hole or shaft sunk or bored into the earth for the extraction of oil.

Well.type"Water" **GF33400000**
A hole or shaft sunk or bored into the earth for the extraction of water.

Wharf

CQ33450000

A structure built along or at an angle from the shoreline. Used for mooring vessels when loading or unloading cargo and/or passengers. Typically has large permanently emplaced cranes or other appliances.

WoodedArea

JA33750000

A land area which is at least six (6) percent covered with trees that are two (2) metres or more in height.

Y

Yard

AB33850000

An enclosure within which materials may be stored.

Z

Zoo

AL33900000

A park (zoological garden) or area where animals are kept for study and display.

READER'S COMMENT FORM

The Ministry of Environment, Lands and Parks has undertaken to review these specifications on a regular basis. The Specifications Committee would appreciate comments from users and reviewers. Possible topics for comment are: clarity, accuracy, completeness, and organization.

Please provide the following information along with your comments.

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Comments:

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**Ministry of Environment, Lands and Parks
Geographic Data B C
Fourth Floor
1802 Douglas Street
Victoria, British Columbia
Canada
V8T 4K6**

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