

**PILOT PROJECT
SPECIFICATIONS
For
Integrated Data Management**

**(1:5 000 detail at 1:20 000
scale for Selected Riparian Zone Features)**

February 16, 2001

(1:5 000 detail at 1:20 000 scale for Selected Features)

TABLE OF CONTENTS

Introduction	3
Data Collection 3-D (Specific to this project)	5
Riparian Zone	6
For this project the following Arial Features are defined	7
For this project the following Linear Features are defined	7
Geographic Object Specifications	9
Definitions	19

(1:5 000 detail at 1:20 000 scale for Selected Features)

(1:5 000 detail at 1:20 000 scale for Selected Features)

INTRODUCTION

This document is a **DRAFT and is to be specific to this project
and is based in part on the 1:20 000 document:**

British Columbia Specifications and Guidelines for Geomatics

Volume 3

Digital Baseline Mapping at 1:20 000

Release 2.0

January 1992

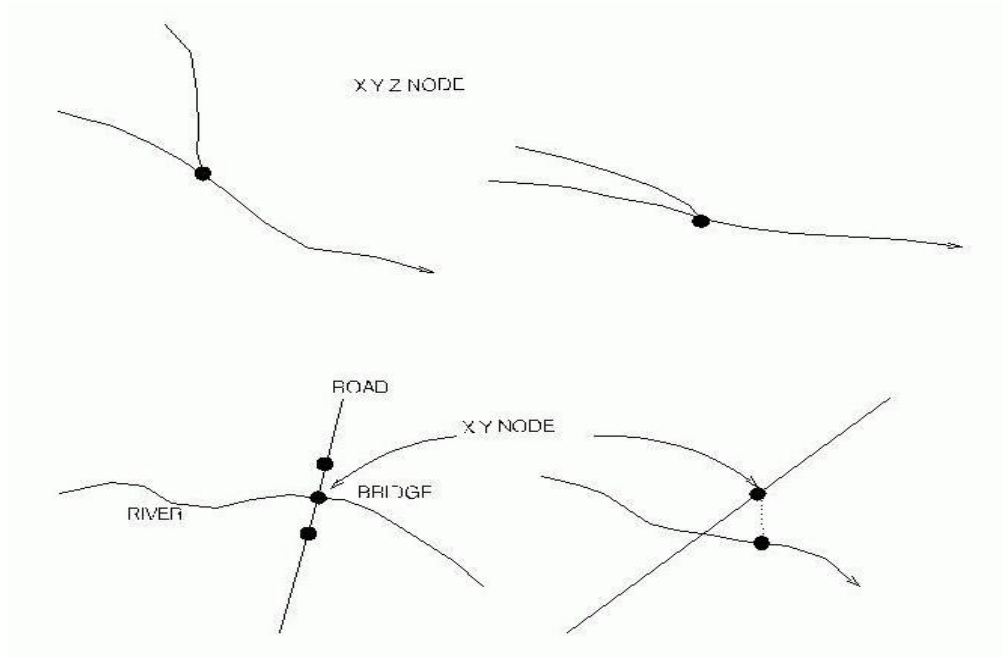
(1:5 000 detail at 1:20 000 scale for Selected Features)

(1:5 000 detail at 1:20 000 scale for Selected Features)

Data Collection 3-D (Specific to this project)

Drainage features shall be captured to meet 1:5 000 mapping scale.

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

For this project, drainage will be captured at the following resolution:

delta x of 1.75metres,
delta y of 1.75metres,
delta z of 1.25metres

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

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 1.0 metres.

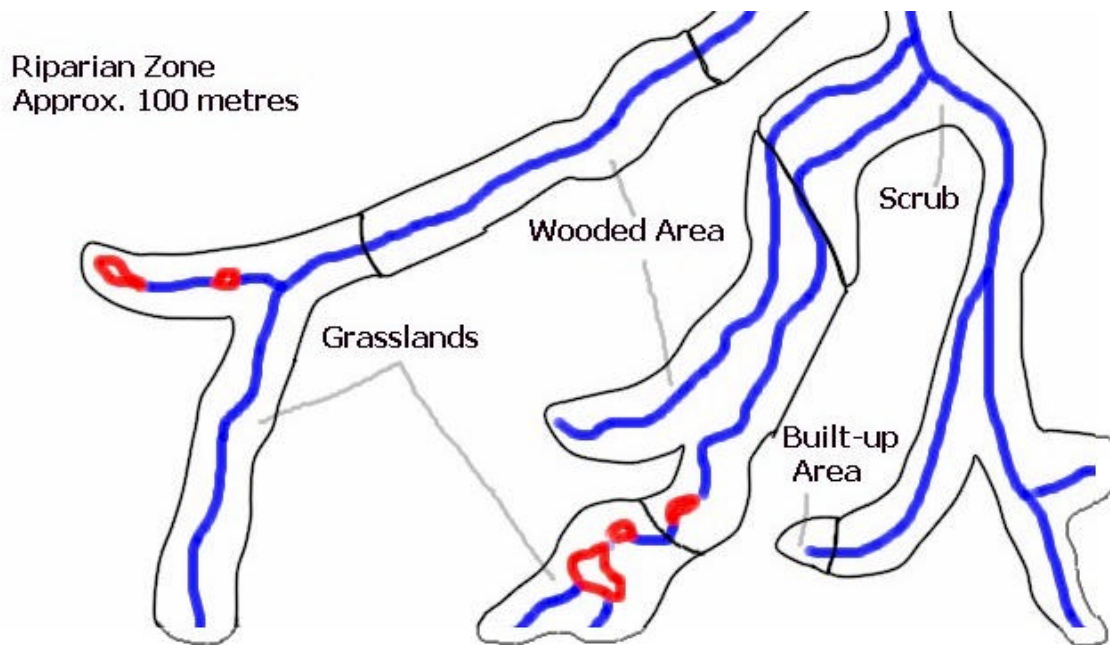
Resolution of the delivered data shall be to the nearest metre.

(1:5 000 detail at 1:20 000 scale for Selected Features)

Riparian Zone

Riparian

Defined as: *Relating to or living or located on the bank of a natural watercourse (as a river) or sometimes of a lake or a tidewater and for this project will include man made drainage features that connect to the natural watercourse.*



This diagram illustrates that within the 100 metre Riparian Zone there are classifications of Grassland, Scrub, Built-up Area and Wooded Areas.

(1:5 000 detail at 1:20 000 scale for Selected Features)

For this project the following Arial Features are defined.

Feature Code	Feature Description	Minimum Size	Feature Colour	IGDS Level	IGDS Colour
GE00100001	Riparian Zone	100 metres wide	Orange	1	118
AR03400000	Built-up Area	None	black	5	001
JA33750000	Wooded Area	None	green	52	001
JD26200000	ScrubArea	None	green	52	004
JD12700000	Grassland	None	Green	52	021
BB01350001	Top of Bank	None	Blue	39	51

For this project the following Linear Features are defined.

Feature Code	Feature Description	Minimum Size	Feature Colour	IGDS Level	IGDS Colour
GA03950000	Canal	None	Blue	39	011
GA93950110	Canal.type"LeftBank"	None	Blue	39	009
GA93950120	Canal.type"RightBank"	None	Blue	39	010
GA05200000	Channel	None	Blue	39	025
GA95200120	Channel.type"LeftBank"	None	Blue	39	027
GA95200110	Channel.type"RightBank"	None	Blue	39	026
GA08800110	Ditch	None	Blue	39	008
GA08800130	Ditch.Indefinite	None	Black	39	050

(1:5 000 detail at 1:20 000 scale for Selected Features)

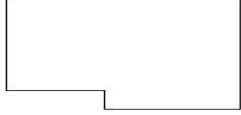
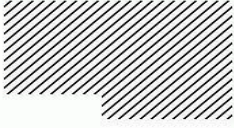
(1:5 000 detail at 1:20 000 scale for Selected Features)



Geographic Object Specifications

The following Geographic Object Specifications are arranged alphabetically by feature to facilitate the maintenance of feature tables. The intent is to accommodate the insertion of addenda in a way that minimizes the need for document modification and reprinting.



(1:5 000 detail at 1:20 000 scale for Selected Features)



(1:5 000 detail at 1:20 000 scale for Selected Features)

Subclass: BuiltupArea		AR03400000	02
Definition: An area in which the buildings are so densely situated that for cartographic clarity a tint or hatching is used to indicate the extent of the area			
Positional Verification		Cartographic Representation	
0.25mm width solid line  plot colour BLACK		0.20mm width solid line 1.5mm pattern delta 45° angle  IGDS level=5 IGDS colour= 001 IGDS weight=1	
Remarks: Built-up areas are to be coded as primary feature over designated areas Capture as construction within the Riparian Zone Only Capture to scale in the positional file			
DEM N			



Subclass: Canal		GA03950000	02
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	
0.25mm width solid line  plot colour BLUE		TO SCALE 0.25mm width solid line 0.5mm between lines  IGDS level=39 IGDS colour= 011 IGDS weight=1 Text height=14m or size 30 MOEP font 31 U/C text	
Remarks: Capture as centred single line when 20m. or less Capture to scale in the positional file Identification coded as Text.type"Hydrographic" in the non-positional file			
DEM Y BreakLine.type"TransportationandOtherManMade" – HA90200140			

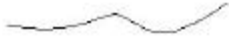
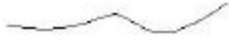
(1:5 000 detail at 1:20 000 scale for Selected Features)

Subclass: Canal.type"LeftBank"		GA93950110	02
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	
0.25mm width solid line  plot colour BLUE		0.25mm width solid line  IGDS level=39 IGDS colour=00 9 IGDS weight=1	
Remarks: Greater than 20m. width. Capture to scale in the positional file			
DEM Y BreakLine.type"TransportationandOtherManMade" – HA90200140			



Subclass: Canal.type"RightBank"		GA93950120	02
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	
0.25mm width solid line  plot colour BLUE		0.25mm width solid line  IGDS level=39 IGDS colour= 010 IGDS weight=1	
Remarks: Greater than 20m. width. Capture to scale in the positional file			
DEM Y BreakLine.type"TransportationandOtherManMade" – HA90200140			

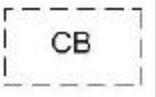
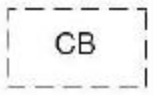
(1:5 000 detail at 1:20 000 scale for Selected Features)

Subclass: Channel		GA05200000	02
Definition: 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  plot colour BLUE		0.35mm width solid line  IGDS level=39 IGDS colour= 025 IGDS weight=1	
Remarks: 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 Y BreakLine.type"Hydrographic" – HA90200130			



Subclass: Channel.type"LeftBank"		GA95200120	02
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  plot colour BLUE		0.35mm width solid line  IGDS level=39 IGDS colour= 027 IGDS weight=1	
Remarks: 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 Y BreakLine.type"Hydrographic" – HA90200130			



(1:5 000 detail at 1:20 000 scale for Selected Features)

Subclass: Channel.type"RightBank"		GA95200110	02
Definition: The part of a 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.			
Positional Verification		Cartographic Representation	
0.25mm width line  plot colour BLUE		0.35mm width solid line  IGDS level=39 IGDS colour= 026 IGDS weight=1	
Remarks: 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 Y BreakLine.type"Hydrographic" – HA90200130			



Subclass: CutBlock		JA13300000 JA90100000	02 01
Definition: A logged area that does not show obvious signs of regeneration.			
Positional Verification		Cartographic Representation	
AREA OUTLINE 0.25mm width line 3.0mm dash 1.5mm between dashes  plot colour GREEN	AREA SYMBOL CB UPPER CASE text sanserif font text height = 14m or size 30	AREA OUTLINE 0.25mm width line 3.0mm dash 1.5mm between dashes  plot colour GREEN	AREA SYMBOL CB UPPER CASE text MOEP font 31 text height = 14m or size 30
Remarks: Capture all cut blocks to scale in the positional file Data capture rule(s): right hand, polygon. Less than six percent (6%) crown cover and less than two (2) metres height. Minimum accuracy requirements: X - ten (10) metres, Y - ten (10) metres and Z -twenty (20) metres. Area Symbol is captured as a point in the non-positional file. Area Symbol placed within Area Outline			
DEM Y BreakLine.type"TransportationandOtherManMade" – HA90200140			

(1:5 000 detail at 1:20 000 scale for Selected Features)

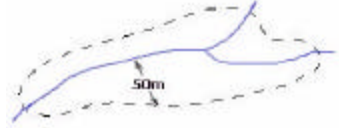
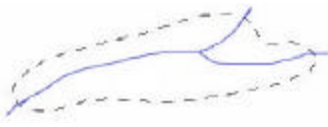
Subclass: Ditch		GA08800110	02
Definition: A man-made trench in the earth used for drainage or irrigation.			
Positional Verification		Cartographic Representation	
0.25mm width solid line  plot colour BLUE	0.25mm width solid line  IGDS level=39 IGDS colour= 008 IGDS weight=1		
Remarks: Capture all ditches Ditches shall be captured if they form part of the main drainage system Captured in the positional file			
DEM Y BreakLine.type"TransportationandOtherManMade" – HA90200140			


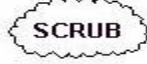
Subclass: Ditch.Indefinite		GA08800130	02
Definition: A man-made trench in the earth used for drainage or irrigation (Indefinite).			
Positional Verification		Cartographic Representation	
0.25mm width dashed line  plot colour BLACK	0.25mm width dashed line  IGDS level=39 IGDS colour= 050 IGDS weight=1		
Remarks: This feature must be continuous over 200m Ditches shall be captured if they form part of the main drainage system Captured in the positional file Created on December 05, 2000 for Debbie Narvers Project 86-172(2000)/14			
DEM Y BreakLine.type"TransportationandOtherManMade" – HA90200140			

(1:5 000 detail at 1:20 000 scale for Selected Features)


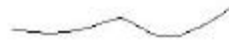
Subclass: Grassland	JD12700000	02
<p>Definition: (CCSM) Land reserved for pasturage or mowing. Land in which grasses are the predominant vegetation.</p>		
Positional Verification		Cartographic Representation
<p>0.25mm width line 3.0mm dash 0.5mm between dashes</p>  <p>plot colour GREEN</p>	<p>0.25mm width line 1.5mm dash 1.5mm between dashes</p>  <p>IGDS level=52 IGDS colour=021 IGDS weight=1 MOEP font 31 U/C text Text height=14m or size 30</p>	
<p>Remarks:</p> <ul style="list-style-type: none"> Capture to scale in the positional file Place identification as Text.type"LandCover" in the non-positional file Capture as construction within Riparian Zone Only Capture using the right hand rule. Capture as a closed polygon. 		
<p>DEM N</p>		



(1:5 000 detail at 1:20 000 scale for Selected Features)

Subclass: RiparianZone	GE00100001	02
Definition: An area relating to or living or located on the bank of a natural watercourse (as a river) or sometimes of a lake or a tidewater and for this project will include man made drainage features that connect to the natural watercourse		
Positional Verification	Cartographic Representation	
0.25mm width dashed line 3.0mm dash 1.5mm between dashes  plot colour ORANGE	0.35mm width dashed line 3.0mm dash 1.5mm between dashes  plot colour ORANGE IGDS level=1 IGDS colour=118 IGDS weight=1	
Remarks: Capture to scale in the positional file Capture using the right hand rule. Capture as a closed polygon Distance from hydrographic feature to be 50 metres for this project. This feature to be captured as primary.		
DEM N		

Subclass: ScrubArea	JD26200000	02
Definition: An area of low vegetation characterized by stunted trees, bushes and shrubs.		
Positional Verification	Cartographic Representation	
0.25mm width line 3.0mm length dash 1.5mm between dashes  plot colour GREEN UPPER CASE text SANSERIF font text height=14m	0.25mm width line 1.5mm scallops  IGDS level=52 IGDS colour=004 IGDS weight=1 MOEP font 31 U/C text Text height=14m or size 30	
Remarks: Capture to scale in the positional file Capture Rule(s): right hand rule, polygon. Capture when less than 2 metres in height as construction within the 100 metre Riparian Zone. Place identification as Text.type"LandCover" in the non-positional file		
DEM N		

(1:5 000 detail at 1:20 000 scale for Selected Features)

Subclass: TopofBank	BB01350001	02
Definition: The sloping ground adjoining a water body, such as a stream, a river, or a lake.		
Positional Verification		Cartographic Representation
0.25mm width solid line  plot colour BLUE	0.25mm width line 1.5mm scallop 	IGDS level=39 IGDS colour=051 IGDS weight=1
Remarks: Capture to scale in the positional file Capture as primary within Riparian Zone Only Capture using the right hand rule. Low side right side		
DEM Y BreakLine.type"Round" – HA90200110		

Subclass: WoodedArea	JA33750000	02
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  plot colour GREEN	0.25mm width line 1.5mm scallop 	IGDS level=52 IGDS colour=001 IGDS weight=1
Remarks: Capture to scale in the positional file Capture as construction within Riparian Zone Only Capture using the right hand rule. Capture as a closed polygon.		
DEM N		

(1:5 000 detail at 1:20 000 scale for Selected Features)

Definitions

For this Project the following features are defined.

Feature Code: GE00100001

Source: TRIM (New)

Feature: Riparian Zone

Definition: *An area relating to or living or located on the bank of a natural watercourse (as a river) or sometimes of a lake or a tidewater and for this project will include man made drainage features that connect to the natural watercourse.*

Feature Code: AR03400000

Source: TRIM

Feature: Built-up Area

Definition: *Any area of habitation within the 100 metre Riparian Zone.*

Feature Code: JA33750000

Source: TRIM

Feature: Wooded Area

Definition: *A land area which is at least six (6) percent covered with trees that are two (2) metres or more in height within the 100metre Riparian Zone.*

Feature Code: JD26200000

Source: TRIM

Feature: Scrub Area

Definition: *The collective term given to low vegetation characterized by stunted trees, bushes and shrubs that are less than 2 metres in height within the 100 metre Riparian Zone.*

Feature Code: JD12700000

Source: CCSM

Feature: Grassland

Definition: *Land reserved for pasturage or mowing. Land in which grasses are the predominant vegetation within the 100metre Riparian Zone.*

Feature Code: GA03950000

Source: TRIM

Feature: Canal

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.*

Feature Code: GA93950110

Source: TRIM

Feature: Canal.type"LeftBank"

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.*

Feature Code: GA93950120

Source: TRIM

Feature: Canal.type"RightBank"

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.*

(1:5 000 detail at 1:20 000 scale for Selected Features)

Feature Code: GA05200000

Source: TRIM

Feature: Channel

Definition: *The part of a river containing water at time of photography, below the high water mark.*

Feature Code: GA95200120

Source: TRIM

Feature: Channel.type"LeftBank"

Definition: *The part of a 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.*

Feature Code: GA95200110

Source: TRIM

Feature: Channel.type"RightBank"

Definition: *The part of a 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 left shoreline heading downstream.*

Feature Code: JA13300000

Source: TRIM

Feature: CutBlock

Definition: *A logged area that does not show obvious signs of regeneration.*

Feature Code: GA08800110

Source: TRIM

Feature: Ditch

Definition: *A man-made trench in the earth used for drainage or irrigation.*

Feature Code: GA08800130

Source: TRIM (New)

Feature: Ditch"Indefinite"

Definition: *A man-made trench in the earth used for drainage or irrigation indefinite.*

Feature Code: BB01350001

Source: TRIM (New)

Feature: Top of Bank

Definition: *The sloping ground adjoining a water body, such as a stream, a river, or a lake.*

Feature Code: JD12700000

Source: CCSM

Feature: Grassland

Definition: *Land reserved for pasturage or mowing. Land in which grasses are the predominant vegetation.*