Northern GIS Service Centre

Regional Multi-phase Data Standards

Created: February 13, 2023

Version: 1.1

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Data Standards Version Control		
Date	**Version**	**Description**
February 13, 2023	1.0	First iteration of NGSC Data Standards developed
July 9, 2023	1.1	Additional codes added

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Getting Started

Contractor Onboarding & Training

Contractors completing spatial work must attend a mandatory GIS prework and training every year, including those years where they have signed a multi-year contract. BCTS GIS staff will arrange a date and method with the contractor with guidance from the Contract Coordinator.

Reference Materials

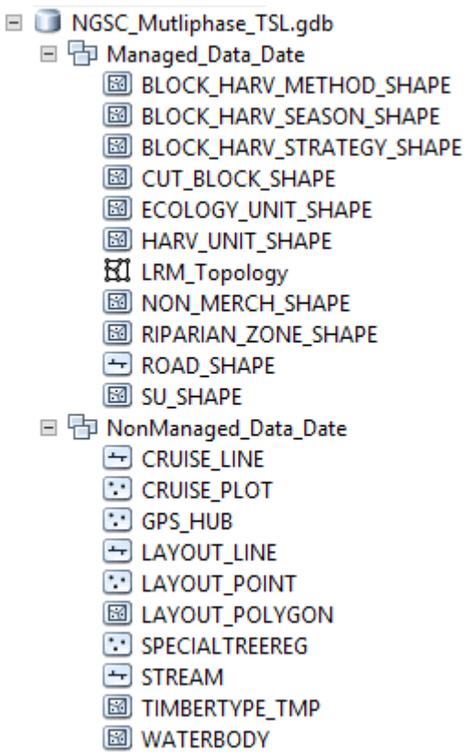
Land Resource Manager (LRM) reference materials can be accessed via this link.

Geodatabase

A file Geodatabase template with correct schema is available on BCTS FTP site under following directory:

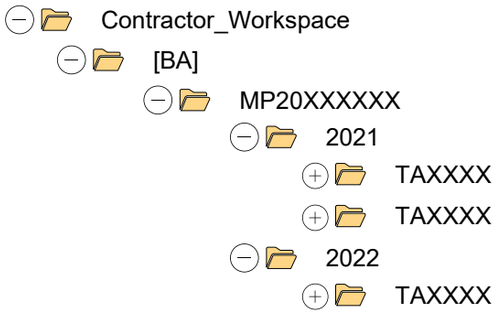
- \\forwebfiles.nrs.bcgov\ftp\HBT\external\!publish\Northern_Multiphase_Data_Standards\Schema OR
- ftp://ftp.for.gov.bc.ca/HBT/external/!publish/Northern_Multiphase_Data_Standards\Schema

All spatial data must be submitted using the above schema. The GBD contains the following feature classes and feature datasets:



Folder Structure

Multiphase data must be stored in the Contractor_Workspace in the appropriate Business Area root folder on the datashare (\\bctsdata.bcgov\data) . The folders are to be organized by fiscal year.



Timber Sale License Map Templates

Contractors must use the BCTS Map Templates (i1 through i6) as identified in the table below.

Naming convention:

- Characters 1-6: TSL number.
- Characters 7-8: resource function.
- The # at the end of naming convention represents the block number.
- Review your contract for any BA Specific map requirements. Any maps produced for BAs additional to the core provincial BCTS templates listed in i1 to i6 below are to follow an incremental naming convention (e.g., TA1547_i6_Road_Const_Blk#).

MAPS	
Map Standard Naming Convention	**BCTS Map Template Name**
000000_i1_map_OverviewLocation	Overview Location Map
000000_i2_map_DetailedLocation	Detailed Location Map
000000_i3_map_SP_Blk#	Site Plan Map – Block #
000000_i4_map_HP_Blk#	Harvest Plan Map – Block #
000000_i5_map_Cruise_Blk#	Cruise Map – Block #
000000_i6_map_Road_Const	Road Construction Map

For a list of the tabular records that must be entered for the text tags to populate in the provincial templates, please see below:

Digital File Data Specifications and Method of Delivery

All spatial data submissions must adhere to ALL of the following specifications:

1. It is mandatory that the contractor use the provided file geodatabase with the mandatory schema for submitting their spatial data. There will be one file geodatabase per Timber Sales Licence (TSL). If a TSL has three blocks, there will only be one block feature dataset in total. Submission of features belonging to multiple TSLs in one geodatabase is strictly prohibited. The template file geodatabase can be found on the FTP site, as described in “Geodatabase” section on the previous page.
2. Along with the mandatory schema, the provided file geodatabase includes built-in topology (LRM_Topology) for Contractors to check their data for topological errors before loading it in LRM. ArcEditor is required to run topology rules. Spatial data that fails to meet topological specifications will not be accepted and the Contractor will be **required to resubmit the data until all errors are corrected**. Refer to Appendix C – Topology Rules for Managed Layers for more information.
3. All spatial data will be submitted via ESRI standard format. All data must be spatially referenced to NAD 1983 and projected to BC Environmental Albers.

Digital Data Submissions & Data Loading

The following process must be followed to ensure spatial and tabular data is accurately and correctly input into LRM. This will ensure spatial data is being created and submitted in accordance with NGSC Data Standards and contract deliverables are reviewed by GIS staff in a timely fashion.

Prior to initiating the submission of any data, refer to Appendix E: NGSC Data Loading – Pilot Process.

Contractors must submit digital data in two parts: first submission and second submission.

First submission:

- BLOCKS
- GPS_HUB
- NON_MERCH SHAPE (**TSN only**)
- ROAD_SHAPE

The multi-phase contractor is to compile first submission data and submit it to the BCTS Contract Coordinator for review. Once approved by the Contract Coordinator, the multi-phase contractor loads submission one data into LRM and provides the Contract Coordinator with confirmation of submission one data load, including at minimum a brief description of the data and a complete path to where the data is located. Contractors must use the supplied file geodatabase template with the mandatory schema.

Once BCTS GIS complete the quality assurance (QA) check on submission one data, the Contract Coordinator will notify the mutliphase contractor to proceed with submission two.

Second submission (all remaining data):

- CRUISE_LINE
- CRUISE_PLOT
- ECOLOGY_UNIT_SHAPE
- BLOCK_HARV_METHOD_SHAPE
- BLOCK_HARV_SEASON_SHAPE
- BLOCK_HARV_STRATEGY_SHAPE
- HARV_UNIT_SHAPE (optional)
- LAYOUT_POINT
- LAYOUT_LINE
- LAYOUT_POLYGON
- RIPARIAN_ZONE_SHAPE
- SPECIALTREEREG
- STREAM
- SU_SHAPE
- TIMBERTYPE_TMP
- WATERBODY

Consistent with submission one, the multi-phase contractor is to compile submission two data and submit it to the BCTS Contract Coordinator for review. Once approved by the Contract Coordinator, the multi-phase contractor loads submission two data into LRM and provides the Contract Coordinator with confirmation of submission two data load, including at minimum a brief description of the data and a complete path to where the data is located. Contractors must use the supplied file geodatabase template with the mandatory schema.

LRM SDE Layer Requirements

Managed Layers: FOREST.migration_dataset contains the feature classes more commonly known as the **managed layers**. These layers are considered managed because all the spatial features contained in these layers must be linked to a tabular record in LRM. These feature classes will be very basic, usually only containing the spatial geometry requirements and a link to the tabular record where most of the attribute information will be created and maintained.

Non-Managed Layers: BCTS_SPATIAL.BCTS_PROV_OP dataset layers are considered non-managed because the spatial features contained in these layers are not linked to a tabular record in LRM. Although they may contain attributes that can be used to create links to tabular records or managed layers, no links to the tabular records are maintained in the LRM application. These feature classes may have more attributes included that are needed to describe the features as there is no maintained link to tabular data.

LRM System Layers

The SDE features must be edited in LRM. System layers were created for convenient use in LRM. The following table lists the editable LRM layers and which SDE layers they are sourced from:

Managed Layers	
Geodatabase Layer Name	**SDE Layer Name**
Blocks	
CUT_BLOCK_SHAPE	FOREST.CUT_BLOCK_SHAPE
BLOCK_HARV_METHOD_SHAPE	FOREST.BLOCK_HARV_METHOD_SHAPE
BLOCK_HARV_SEASON_SHAPE	FOREST.BLOCK_HARV_SEASON_SHAPE
BLOCK_HARV_STRATEGY_SHAPE	FOREST.BLOCK_HARV_STRATEGY_SHAPE
HARV_UNIT_SHAPE	FOREST.HARV_UNIT_SHAPE
NON_MERCH_SHAPE	FOREST.NON_MERCH_SHAPE
Silviculture	
SU_SHAPE	FOREST.SU_SHAPE
ECOLOGY_UNIT_SHAPE	FOREST.ECOLOGY_UNIT_SHAPE
RIPARIAN_ZONE_SHAPE	FOREST.RIPARIAN_ZONE_SHAPE
Roads	
ROAD_SHAPE	FOREST.ROAD_SHAPE
Non-Managed Layers	
CRUISE_LINE	BCTS_SPATIAL.CRUISE_LINE
CRUISE_PLOT	BCTS_SPATIAL.CRUISE_PLOT
GPS_HUB	BCTS_SPATIAL.GPS_HUB
LAYOUT_LINE	BCTS_SPATIAL.LAYOUT_LINE
LAYOUT_POINT	BCTS_SPATIAL.LAYOUT_POINT
LAYOUT_POLY	BCTS_SPATIAL.LAYOUT_POLY

TIMBERTYPE_TMP	BCTS_SPATIAL.TIMBERTYPE_TMP
SPECIALTREEREG	BCTS_SPATIAL.SPECIALTREEREG
STREAM	BCTS_SPATIAL.STREAM
WATERBODY	BCTS_SPATIAL.WATERBODY

Managed Layers

These layers have specific acceptable values for the fields as outlined below. Associated tabular data must be entered in LRM to link to spatial data for all managed layers.

BLOCK_HARV_METHOD_SHAPE (Polygon)

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENCE_ID	Text	15	Timber Sale License number
BLOCK_ID	Text	20	Cut Block ID
METHOD_ID	Text	10	Method type as identified by Site Plan
COMMENTS	Text	255	Any pertinent information (optional, if required)

BLOCK_HARV_METHOD_SHAPE Code Table: Refer to Appendix A.

BLOCK_HARV_SEASON_SHAPE (Polygon)

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENCE_ID	Text	15	Timber Sale License number
BLOCK_ID	Text	20	Cut Block number
SEASON_ID	Text	10	Season type as identified by Site Plan
COMMENTS	Text	255	Any pertinent information (optional, if required)

BLOCK_HARV_SEASON_SHAPE Code Table: Refer to Appendix A.

BLOCK_HARV_STRATEGY_SHAPE (Polygon)

Notes:

- Machine Free Zone (MFZ) may be populated in this layer.
- Riparian Management Zone (RMZ) is optional to be populated in this layer.
  - Review the *Riparian Spatial Data Management Communique (2022-02) below*

Riparian Communique

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENCE_ID	Text	15	Timber Sale License number
BLOCK_ID	Text	20	Cut Block ID
STRATEGY_ID	Text	10	Strategy type as identified by Site Plan
COMMENTS	Text	255	Any pertinent information (optional, if required)

BLOCK_HARV_STRATEGY_SHAPE Code Table: Refer to Appendix A.

HARVEST_UNIT_SHAPE (Polygon)

Notes:

- Follow the best practice outlined in the workflow below.
- In Step 4.6, the Harvest Unit ID must be populated with a numeric value.

Harvest Unit Worklflow

CUT_BLOCK_SHAPE (Polygon)

Topology Rules:

- Must not overlap.
- New shapes are to be snapped to existing shapes where operationally feasible so as to share a single common boundary.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE_ID	Text	15	Timber Sale License number
PERMIT_ID	Text	40	Cutting Permit number
BLOCK_ID	Text	20	Cut Block ID
COMMENTS	Text	255	Any pertinent information (optional, if required)

ECOLOGY_UNIT_SHAPE (Polygon)

Notes:

- **In the TSN, TSK & TPG BAs,** ecology units are to cover the entire block area.
- **In the TPL & TCC BAs,** ecology units are to only cover productive SUs.

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE_ID	Text	15	Timber Sale License number
PERMIT_ID	Text	40	Cutting Permit number
BLOCK_ID	Text	20	Cut Block ID
ECO_UNIT	Text	50	Ecology Unit ID (e.g., 'A'). Must be a letter.
COMMENTS	Text	255	Any pertinent information (optional, if required)

ECOLOGY_UNIT_SHAPE Code Table: Refer to Appendix A.

NON_MERCH_SHAPE (Polygon)

Notes:

- **This layer is only used in the TSN BA.**
- WTRA, NP and NC are the only features being digitized in this layer. WTRAs are multipart features in the SU layer but split into separate singlepart features on this layer.
- Use if you wish to have separately labelled WTRAs (e.g., site plan map).
- There must be a separate polygon and record for each WTRA.

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE_ID	Text	15	Timber Sale License number
PERMIT_ID	Text	40	Cutting Permit number
BLOCK_ID	Text	20	Cut Block ID
NMTP_CLASS_ID	Text	10	See NON_MERCH_SHAPE code table (Appendix A)
NMTP_TYPE_ID	Text	10	See NON_MERCH_SHAPE code table (Appendix A)
NMAR_LABEL	Text	20	See NON_MERCH_SHAPE code table (Appendix A)
COMMENTS	Text	255	Any pertinent information (optional, if required)

NON_MERCH_SHAPE Code Table: Refer to Appendix A.

RIPARIAN_ZONE_SHAPE (Polygon)

Notes:

- Populate as per *Riparian Spatial Data Management Communique (2022-02)* below.
- **In the TSN & TCC BAs, enter MFZ in BLOCK_HARVEST_STRATEGY**

Riparian Communique

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENCE_ID	Text	15	Timber Sale Licenses number
PERMIT_ID	Text	40	Cutting Permit number
BLOCK_ID	Text	20	Cut Block ID
RIMZ_ZONE_ID	Text	15	See RIPARIAN_ZONE_SHAPE code table (Appendix A)
RIPZ_CLASS	Text	15	Classification of riparian feature. See RIPARIAN_ZONE_SHAPE code table (Appendix A)
RIZD_BUFFER_WIDTH	Double		Buffer distance on riparian feature
COMMENTS	Text	255	

RIPARIAN_ZONE_SHAPE Code Table: Refer to Appendix A.

ROAD_SHAPE (Line)

Notes:

- Each road needs to be one continuous line (not two pieces).
- Each road line point of origin (POC, measure 0) needs to be snapped to another road.
- If a road is a continuation of an existing road the existing road should be extended, a new road should **not** be connected to the end of the existing road (POT) creating a pseudo-node.
- Each NGSC Business Area has a unique road naming convention. Refer to Appendix D – Road Naming Conventions by Business Area.

Topology Rules:

- Must not overlap.
- Must not have pseudo-nodes.
- Must not self-overlap.
- Must not self-intersect.
- Must be single part.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE_ID	Text	15	Timber Sale License number (eg. A57005)
PERMIT_ID	Text	40	Timber Sale Permit ID
BLOCK_ID	Text	20	Cut Block ID (if applicable)
ROAD_NAME	Text	25	Name of road
COMMENTS	Text	255	Any applicable comments for GIS staff

SU_SHAPE (Polygon)

Notes

- All SU types are multi-feature shapes and are to be submitted as one merged multi-feature shape.
- Standard road width is 6-10m but review contract or contact Contract Coordinator to confirm.

Topology Rules:

- Must not overlap.
- Must be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE_ID	Text	15	Timber Sale License number
PERMIT_ID	Text	40	Cutting Permit number
BLOCK_ID	Text	20	Cut Block ID
STUN_ID	Text	10	Standard Unit ID
COMMENTS	Text	255	Any pertinent information (optional, if required)

SU_SHAPE Code Table: Refer to Appendix A.

Non-Managed Layers

These layers have specific acceptable values for the fields as outlined below. Associated tabular data must be entered in LRM to link spatial data for all managed layers.

CRUISE_LINE (Line)

Notes:

- All lines must be drafted in the direction the line is laid out or cruised.
- All slope direction lines must be digitized downhill and slope % recorded correspondingly.
- Include label in Comments; otherwise label = S/L & Line_ID.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block ID
LINE_ID	Text	10	Strip line number or identification
TYPE	Text	10	See Cruise Line LRM Codes
SLOPE	Short		Slope arrow % value
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

CRUISE_LINE Code Table: Refer to Appendix B.

CRUISE_PLOT (Point)

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
PLOT_ID	Text	10	Plot number
TYPE	Text	10	See Cruise Plot LRM Codes
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

CRUISE_PLOT Code Table: Refer to Appendix B.

LAYOUT_LINE (Line)

Notes

- All lines must be drafted in the direction the activity occurs (e.g., SKDA digitized in the direction the wood is skidded to landing).
- For layout lines associated with more than one block, duplicate the feature for each block and populate the block field and the cutblock sequence number with the block information.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
FEATURE_TYPE	Text	10	See Layout Line LRM Codes
LABEL	Text	25	
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

LAYOUT_LINE Code Table: Refer to Appendix B.

LAYOUT_POINT (Point)

Notes

- **In the TSN BA,** FEATURE_TYPE codes CHR (cultural heritage resource) and CMT_PRE (culturally modified tree pre-dated 1846) are confidential and not necessarily loaded into LRM. Please speak with your Contract Coordinator for more information.
- For layout points associated with more than one block, duplicate the feature for each block and populate the block field and the cutblock sequence number with the block information
- For Species at Risks codes, populate comments with YES/NO for SAR and what type, example: *YES, Grizzly or NO, Black bear*. Details about the species at risk needs to be addressed in Site Plan document.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block ID
FEATURE_TYPE	Text	10	See LAYOUT_POINT Code Table (appendix B)
LABEL	Text	25	
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

LAYOUT_POINT Code Table: Refer to Appendix B.

LAYOUT_POLYGON (Polygon)

Notes:

- Any riparian information external to the block boundary can be populated in this layer.
  - Refer to *Riparian Spatial Data Management Communique (2022-02)*,

Riparian Communique

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
FEATURE_TYPE	Text	10	See Layout Polygon LRM Codes
LABEL	Text	25	
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL,TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

LAYOUT_POLYGON Code Table: Refer to Appendix B.

GPS_HUB (Point)

Notes:

- **In the TSN BA,** only HUB_TYPE codes ROAD and FC (falling corner) are to be used.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
HUB_ID	Text	10	
HUB_TYPE	Text	10	See GPS_HUB Code Table
CUTB_SEQ_NBR	Numeric		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

GPS_HUB Code Table: Refer to Appendix B.

TIMBERTYPE_TMP (Polygon)

Notes:

- TIMBERTYPE polygons should not overlap and should be covered by feature class of BLOCK.

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
TYPE_ID	Text	10	Roman numeral ID numbers (e.g., I or II)
SPECIES	Text	20	Species composition (e.g., Pl(S))
AGE_CLS	Text	10	Age, Height, Stocking Class (e.g., 731)
PLOTS	Text	50	Number of plots
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

SPECIALTREEREG (Point)

Notes:

- The purpose of this layer will be to store and track current and future spatial data to meet operational, regulation and legislation requirements as identified under the Special Tree Protection Regulation and BCTS Coastal Legacy Trees Best Management Practices.
- Refer to the BCTS Special Tree Layer Guide for populating the attributes for this layer.

Special Tree Layer Guide

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
TREE_DESIG	TEXT	8	Tree designation; see Appendix B for SPECIALTREEREG Code Table.
TREE_NUM	LONG		Tree Number
FN_VALUE	TEXT	3	First Nation value; ; see Appendix B for SPECIALTREEREG Code Table.
SPECIES	TEXT	3	See Appendix B for SPECIALTREEREG Code Table.
GENETICS	TEXT	8	See Appendix B for SPECIALTREEREG Code Table.
STATE	TEXT	10	See Appendix B for SPECIALTREEREG Code Table.
DBM_CM	DOUBLE	8	DBH (cm)
HEIGHT_M	DOUBLE	8	Height (m)
CROWNSPREAD	DOUBLE	8	Crown Spread
FIELD_NUM	TEXT	50	Field Number
STPR_LOC	TEXT	20	See Appendix B for SPECIALTREEREG Code Table.
BA	SHORT	5	Business Area; see Appendix B for SPECIALTREEREG Code Table.
OP_AREA	TEXT	50	Operating Area; see Appendix B for SPECIALTREEREG Code Table.
CUTB_SEQ_NBR	LONG		Block sequence number
LICENCE	TEXT	6	Timber Sale Licence
CUT_PERMIT	TEXT	6	Where applicable
MARK	TEXT	10	Where applicable
BLOCKID	TEXT	20	Block ID
LATITUDE	DOUBLE	8	Latitude
LONGITUDE	DOUBLE	8	Longitude
MGMT_ZONE	LONG		Management Zone
RES_ZONE	LONG		Reserve Zone
SUPPRESS	TEXT	3	BCTS staff only – keep defaults
OBS_DATE	DATE		Observation Date
SUBMISSION_FTA	TEXT	50	FTA Submission: Yes or No
SUBMISSION_DATE	DATE		Submission Date (YYYY-MM-DD)
MAPNOTATION_ID	TEXT	30	FOREST_FILE_IDE
EXEMPT_REQ	TEXT	15	Exemption Request; see Appendix B for SPECIALTREEREG Code Table.
COMMENTS	TEXT	254	Any applicable comments

SPECIALTREEREG Code Table: Refer to Appendix B.

STREAM (Line)

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
NAME	Text	10	Stream name as S-A (S refers to stream and A refers to unique stream label)
REACH_ID	Text	10	Reach number (eg. R1 or R2)
CLASS	Text	10	See STREAM Code Table (Appendix B)
CLASS_YEAR	Date	YYYY-MM-DD	Year the stream was classed
SURVEYOR	Text	10	See STREAM Code Table (Appendix B)
METHOD	Text	10	See STREAM Code Table (Appendix B)
WIDTH_M	Double	Precision = 38	Stream average width in meters for reach
GRADE_PERCENT	Short Integer	Precision = 5	Gradient percent drop in stream
SPECIES	Text	20	Fish species identified in survey
CONTRACTOR	Text	50	Contract # under which stream data was collected/surveyed

OWNERSHIP	Text	30	See STREAM Code Table (Appendix B)
SUPPRESS	Text	3	No (do not suppress) or Yes (suppress) field for display on and off option using Definition Query
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

STREAM Code Table: Refer to Appendix B.

WATERBODY (Polygon)

Notes:

- Suggest naming convention: Name as W-1-A (W – refers to wetland, L – refers to Lake,1 – refers to block, and A – refers to the unique lake label)

Attributes:

ATTRIBUTE	DATA TYPE	FIELD PROPERTIES	DESCRIPTION
LICENSE	Text	6	Timber Sale License number
CUT_PERMIT	Text	6	Cutting Permit number
BLOCK	Text	20	Cut Block number
NAME	Text	50	Name of waterbody
TYPE	Text	10	See WATERBODY Code Table (Appendix B)
CLASS	Text	10	See WATERBODY Code Table (Appendix B)
SUBCLASS	Text	10	See WATERBODY Code Table (Appendix B)
CLASS_YEAR	Date	YYYY-MM-DD	Year the stream was classed
SURVEYOR	Text	10	See WATERBODY Code Table (Appendix B)
METHOD	Text	10	See WATERBODY Code Table (Appendix B)
CONTRACTOR	Text	50	Contract # under which stream data was collected/surveyed
OWNERSHIP	Text	30	See WATERBODY Code Table (Appendix B)
SUPPRESS	Text	3	No (do not suppress) or Yes (suppress) field for display on and off option using Definition Query
CUTB_SEQ_NBR	Double		Unique value assigned each block
ORG_UNIT_CODE	Text	6	TCC, TSN, TPG, TPL, TSK
COMMENTS	Text	254	Any pertinent information (optional, if required)

WATERBODY Code Table: Refer to Appendix B.

Appendices

Appendix A – Managed Layer Code Tables

BLOCK_HARV_METHOD_SHAPE [HU – HARVEST METHOD SHAPE]			
Code	**Description**	**Code**	**Description**
C	Cable	FH	Hoe Forward
CON	Conventional	H	Helicopter
G	Ground	O	Other
GC	Ground/Cable	WA	Winch Assist

BLOCK_HARV_METHOD_SHAPE Attribute Table.

BLOCK_HARV_SEASON_SHAPE [HU – HARVEST SEASON SHAPE]			
Code	**Description**	**Code**	**Description**
AN	Any Season	SPRef	Refer to Site Plan
FA	Fall	SU	Summer
NONE		SU/WI	Dry or Frozen Soils
Restricted	Restricted	WI	Winter Only
SP	Spring		

BLOCK_HARV_SEASON_SHAPE Attribute Table.

BLOCK_HARV_STRATEGY_SHAPE [HU – HARVEST STRATEGY SHAPE]			
Code	**Description**	**Code**	**Description**
BD	Blowdown	MXCD	Mixedwood - Conifer Leading
BARG	Direct to Barge	MXDC	Mixedwood - Deciduous Leading
CAU	Caution Zone	NA	No Special Conditions
CHRZ	Cultural Heritage Resource Zone	OWH	One Way Haul
CL	Coniferous Leading Species	R/W	Licensee Road Construct or Upgrade
DECID	Deciduous Sale	RMZ	Riparian Management Zone
DL	Deciduous Leading Species	RRZ	Riparian Reserve Zone
DW	Decked Wood	SC	Special Conditions
FSALV	Fire Salvage	SMA	Special Management Area
FSALE	Pulpwood Sales	SMZ	Special Management Zone
IBB	Fir Beetle	STD	Standard Practice
IBM	Mountain Pine Beetle	STPSLP	Steep Slope Zone
IBS	Spruce Beetle	VQO	Visual Quality Objective Zone
ITSL	Innovative Timber Sale Licence (ITSL)	WMZ	Wildlife Management Zone

BLOCK_HARV_STRATEGY_SHAPE Attribute Table.

ECOLOGY_UNIT_SHAPE [ECOLOGY_UNIT_SHAPE]			
Code	**Description**	**Code**	**Description**
A	Ecology Unit A	D	Ecology Unit D
B	Ecology Unit B	E	Ecology Unit E
C	Ecology Unit C		

ECOLOGY_UNIT_SHAPE Attribute Table.

NON_MERCH_SHAPE [BLOCK STRATIFICATION BLOCK SHAPE]

Table shows how Spatial/Tabular and SU Tabular relate

Stratification Spatial			**Stratification Tabular**			**SU Tabular**	
NMTP_CLASS_ID	**NMTP_Type_ID**	**NMAR_LABEL**	**Method**	**Class**	**Type**	**SU_ID**	**SU Type**
NCC	NAT	NCBr	Non-Merch Areas & Retention Patches	Rock, Water, Swamp, NPBr …	N/A	NPBR	NPNCBR
NAT	NAT					NPNAT	NPNAT
						NPOTHER	NPOTHER
		Rock				ROCK	NPROCK
		Swamp				SWAMP	NPSWAMP
		Lake, Pond, etc				WATER	NPWATER
IMM	IMM	Imm		Immature	N/A	IMM	NPIMM
RET	WTP	WTRA #		Retention	Wildlife Tree Patch	WTRA	WTRA
UNN	UNN	Pit, Ldg, Trail, etc		Roads	N/A	NPUNN	NPUNN
NSR	PHA	PHA	Previously Harvest Area	Silviculture Exempt Site	Previous Harvested Area	#	PROD

NON_MERCH_SHAPE Attribute Table.

RIPARIAN_ZONE_SHAPE [RIPARIAN ZONE SHAPE]			
RIPZ_CLASS			
Code	**Description**	**Code**	**Description**
L1	Class 1 Lake	S5	Class 5 Stream
L2	Class 2 Lake	S6	Class 6 Stream
L3	Class 3 Lake	UC	Unclassified
L4	Class 4 Lake	W1	Wetland Class 1
NCD	Non-classified Drainage	W2	Wetland Class 2
S1	Class 1 Stream	W3	Wetland Class 3
S2	Class 2 Stream	W4	Wetland Class 4
S3	Class 3 Stream	W5	Wetland Class 5
S4	Class 4 Stream		
RIMZ_ZONE_ID			
Code	**Description**	**Code**	**Description**
EBM	Ecosystem Based Management	RMZ	Riparian Management Zone
MFZ	Machine Free Zone (in the TSN & TCC BAs, do not enter here. Enter in BLOCK_HARV_STRATEGY.	RRZ	Riparian Reserve Zone
MSZ	Machine Sensitive Zone	SMZ	Special Management Zone

RIPARIAN_ZONE_SHAPE Attribute Table.

SU_SHAPE [STANDARD UNIT SHAPE]			
ITEM	**SU_CODE**	**SU_TYPE**	**DESCRIPTION**
Productive SU	1, 2, 3, 4, 5,6, 7, 8, 9, 10	PROD	Productive area to which the same stocking standards apply regardless of harvesting method, etc. No sub-units of SU's (i.e., no 1a and 1b labels).
Non-Productive Permanent Access	PAS	NPPERMACC	Describes all roads, landings, trails, etc. which have been permanently removed from the productive landbase.
Existing Road	EXRD	NPPERMACC	Existing Road
Wildlife Tree Retention Area	WTRA	WTRA	Reserved to meet wildlife tree retention requirements. It is largely undisturbed and has no stocking standards. Any WTRAs located outside the boundary are to be included within the block area and linked.
Interior Reserve	RES	INTRES	All other reserves that do not fit anywhere else.
Mature Reserve	MRES	INTRES	Mature internal reserve – not logged
Deferred Reserve	DEF	RESRV	Merchantable area to be logged in the future.
Other	NPOTHER	NPOTHER	Use for deferred. Areas within the block which are not reserves.
Non-Commercial	NCFOR NCBR	NPNCBR	A Standard unit with potential productive forest land covered or occupied by either "forest" or "brush" which will not be harvested and no stocking standards will apply.
Non-Productive NCBR	NPBR	NPNCBR	Forest land incapable of growing merchantable stands within a reasonable length of time.
Non-Productive Temporary Access	TAS	NPNCBR	Describes all roads, landings, trails, etc. which have been temporarily removed from the productive land based.
Non-Productive Natural	NPNAT	NPNAT	Used when you don't know specifically what type of NP (R, S, G etc.) to describe.
Non-Productive Other	NPOR	NPOTHER	Non-forested rangeland, best suited for range management.
Cultivated	NPC	NPOTHER	Land cleared for agricultural purposes.
Non-Productive Water	NPL	NPWATER	
Non-Productive Rock	NPR	NPROCK	
Non-Productive Swamp	NPS	NPSWAMP	
Non-Productive Unnatural	NPU	NPUNN	Manmade cover such as industrial sites, power lines, seismic lines.
Well Site	WELL	NPUNN	Oil and Gas Well Site
Pipeline	PIPE	NPUNN	Oil and Gas Pipeline
Utility Line	UTIL	NPUNN	Oil and Gas Utility Line
Seismic Line	SEIS	NPUNN	Oil and Gas Seismic Line

SU_SHAPE Attribute Table.

Appendix B – Non-managed Layer Code Tables

CRUISE_LINE [BCTS CRUISE LINE FEATURES]			
Code	**Description**	**Code**	**Description**
BL	Base Line	SLD	Strip Line Direction Arrow
SA	Slope Arrow	TL	Tie Line
SL	Strip Line		

CRUISE_LINE Attribute Table.

CRUISE_PLOT [BCTS CRUISE PLOTS]			
Code	**Description**	**Code**	**Description**
C	Count Plot	POT	Point of Termination
DP	Dropped Plot	SPP	SP Plot
M	Measure Plot	TIE	Tie Point
POC	Point of Commencement (intersect of local grid)		

CRUISE_PLOT Attribute Table.

GPS_HUB [BCTS GPS HUBS]			
Code	**Description**	**Code**	**Description**
BLK_BDRY	Block Boundary	ROAD	Road
FC	Falling Corner	STN	Station
KMM	KM Marker	WTRA_BDRY	WTRA Boundary
RT	Reference Tree		

Use only these for TSN GPS_HUB:

HUB_ID	HUB_TYPE	
RT#	ROAD	Typically used for RTs associated w/crossings
STN#	ROAD	Station point along road centerline
FC#	FC	Falling corner established on harvest boundary

GPS_HUB Attribute Table.

LAYOUT_POINT [BCTS LAYOUT POINT FEATURES]			
Code	**Description**	**Code**	**Description**
BC	Block Centre	HP	Helipad
BRG	Bridge	MCP	Mining Claim Post
BS	Backspar	ML	SAR Mineral Lick
CAVE	SAR Cave	MS	Mine Shafts
CBN	Cabin	MSMA	MSMA Treated Tree
CF	Cultural Feature	NEST	SAR Nest
CG	Cattle Guard	OTHER	Other Features
CHR	Cultural heritage resource ***Note: Confidential in TSN; please speak with your Contract Coordinator prior to loading in LRM**	PGL	Landing - Proposed Ground
CJ	Common Junction	PIPEX	Pipeline Crossing
CLV	Culvert - Major	PL	Landing - Permanent
CMT	Culturally Modified Tree	POC	Point of Commencement for roads
CMT_PRE	Culturally Modified Tree Pre Dated 1846 ***Note: Confidential in TSN; please speak with your Contract Coordinator prior to loading in LRM**	POND	SAR Pond
CMT_PST	Culturally Modified Tree Post Dated 1846	POT	Point of Termination for roads
CWD	Coarse Woody Debris	RB	Reach Breaks
DC	Culvert - Drain	RD_BAR	Road Barrier
DEN	SAR Den	RO	Rock Outcrops
DSC	Designated Stream Crossing	RPC	SAR Rare Plant Community
DSX	Proposed Designated Skid Crossing	RQ	Rock Quarry
EGL	Landing - Existing Ground	RT	Reference Tree (for bridges and roads)
EL	Landing - Existing	RW	Landing - ROW
EP	Ecology Plots	SF	Snow Fill
FSB	Fish Barriers	SKBR	Proposed Skid Bridge
GATE	Gate	SLUMP	Slump or Slide Area

GC	Geographic Center	SSP	Steep Slope Point
GY	Growth and Yield Plots	ST	Stub Tree
ICAC	Licence/Isolated Cutting Authority Centre	THT	Tail Hold Tree
IS	Intermediate Support	TL	Landing - Temporary
LC	Landing - Cable	TS	Tower Settings
LG	Landing - Ground	W	Wildlife Feature
LT	Leave trees	WIND	Windfall/Windthrow
MC	Culvert - Minor	WT	SAR Wildlife Tree

LAYOUT_POINT Attribute Table.

LAYOUT_LINE [BCTS LAYOUT LINE FEATURES]			
Code	**Description**	**Code**	**Description**
AVT	Avalanche Track	RCT	Trail - Recreational
BLF	Bluff	RDG	Ridge
BS	Trail - Back spar	RP	Road - Permit
BSKDT	Trail - Skid Bladed	RR	Road - Referral
CHR	Cultural/Heritage Feature	RRSD	Restricted Side Decking
CLIFF	Cliff	SEEP	Seepage (flow of water)
CT	Trail - Cat	SKDA	Skid Direction Arrow
DFL	Deflection Line	SKDT	Trail - Skid Non-Bladed
DRAW	Draw (small valley)	SL	Seismic Line
EMB	Embankment	SLB	Slope Break
ET	Trail - Trail Existing	SLD	Slide/Slide Track
FNC	Fence Line	SRG	Steep Road Grade
FT	Trail - Forwarding	ST	Trail - Skid
GULLY	Gully	STBBDY	Stubbed Boundary
HSL	Harvest Splitline	TAS	Temporary Access Structure
OTT	Trail - Other Tenured	TEMP_T	Trail - Trail Temporary
PL	Pipe Line	TL	Transmission line
PPBST	Trail - Skid Bladed Proposed Permanent	TM	Trim Mask (hide trim features)
PR	Pruning	WLT	Trail - Wildlife
PTR	Road - Proposed Temporary	YD	Yarding Direction
PWRL	Power Line		

LAYOUT_LINE Attribute Table.

LAYOUT_POLYGON [BCTS LAYOUT POLYGON FEATURES]			
Code	**Description**	**Code**	**Description**
AOC	Area of Concern	PTL	Landing - Proposed Temporary
CHR	Cultural/Heritage Features	R_ECO	SAR Rare Ecosystems
EGL	Landing - Existing Ground	RMZ	Riparian Management Zone Note: Only if located external to the block boundary.
EPL	Landing - Existing Permanent	ROW	Right of Way
ICAA	Interior Cutting Authority Area	RRZ	Riparian Reserve Zone Note: Only used if located external to the block boundary.
MFZ	Machine Free Zone Note: Only used if located external to the block boundary.	SA35	Slope Area (>35%)
PGL	Landing - Proposed Ground	SMA	Special Management Area

LAYOUT_POLYGON Attribute Table.

SPECIALTREEREG [BCTS SPECIAL TREES]			
TREE_DESIG			
Code	**Description**	**Code**	**Description**
CLT	Coastal Legacy Tree	STPR	Special Tree Protection Regulation
CLT/STPR	Both Coastal Legacy Tree and Special Tree Regulation		
FN_VALUE			
Code	**Description**	**Code**	**Description**
No	No	Yes	Yes
UR	Under Review		

SPECIES			
Code	**Description**	**Code**	**Description**
Act	Cottonwood, Black	Py	Pine, Ponderosa
Bg	Fir, Grand	Qg	Oak, Garry
Cw	Redcedar, Western	Ra	Arbutus
Fdc	Douglas Fir, Coastal	Ss	Spruce, Sitka
Fdi	Douglas Fir, Interior	Tw	Yew, Pacific (Western Yew)
Mb	Maple, Bigleaf	Yc	Cedar, Yellow
GENETICS			
Code	**Description**	**Code**	**Description**
AVERAGE	Average form	SUPERIOR	Superior form
POOR	Poor form		
STATE			
Code	**Description**	**Code**	**Description**
DOWN	Down	STANDING	Standing
HARVESTED	Harvested		
STPR_LOC			
Code	**Description**	**Code**	**Description**
ANYWHERE	Anywhere	NA	Not Applicable (CLT)
IN	In Coastal BEC	OUT	Outside Coastal BEC
BA			
Code	**Description**	**Code**	**Description**
12	TCC	7	TSK
10	TPG	9	TSN
11	TPL		
OP_AREA			
Code	**Description**	**Code**	**Description**
VARIOUS	Various (TCC)	VARIOUS	Various (TSK)
VARIOUS	Various (TPG)	VARIOUS	Various (TSN)
VARIOUS	Various (TPL)		
EXEMPT_REQ			
Code	**Description**	**Code**	**Description**
APPROVED	Approved	MERGE POLICY	Not approved
NA	Not applicable	SUBMITTED	Submitted

SPECIALTREEREG Attribute Table.

STREAM [BCTS STREAMS CLASS]			
CLASS			
Code	**Description**	**Code**	**Description**
FSF	Fisheries Sensitive Feature	S2	Class 2 stream
FSZ	Fisheries Sensitive Zone	S3	Class 3 stream
NCD	Non-classified drainage	S4	Class 4 stream
S1	Class 1 stream	S5	Class 5 stream
S1-A	S1-A	S6	Class 6 stream
S1-B	S1-B	S6-A	S6-A
		S6-B	S6-B
SURVEYOR			
Code	**Description**	**Code**	**Description**
TCH	Resource Technician	RPF	Registered Professional Forester

RFT	Registered Forest Technologist	RPB	Registered Professional Biologist
METHOD			
Code	**Description**	**Code**	**Description**
GPS	Global positioning system 3D differentially corrected	TRIM	Stream spatial acquired from TRIM2
ORTHO	Digitized from ortho		
OWNERSHIP			
Code	**Description**	**Code**	**Description**
BCTS	BC Timber Sales	WEST FRASER	West Fraser
LIBC	Land Information BC	UNKNOWN	Unknown
CANFOR	Canadian Forest Products		

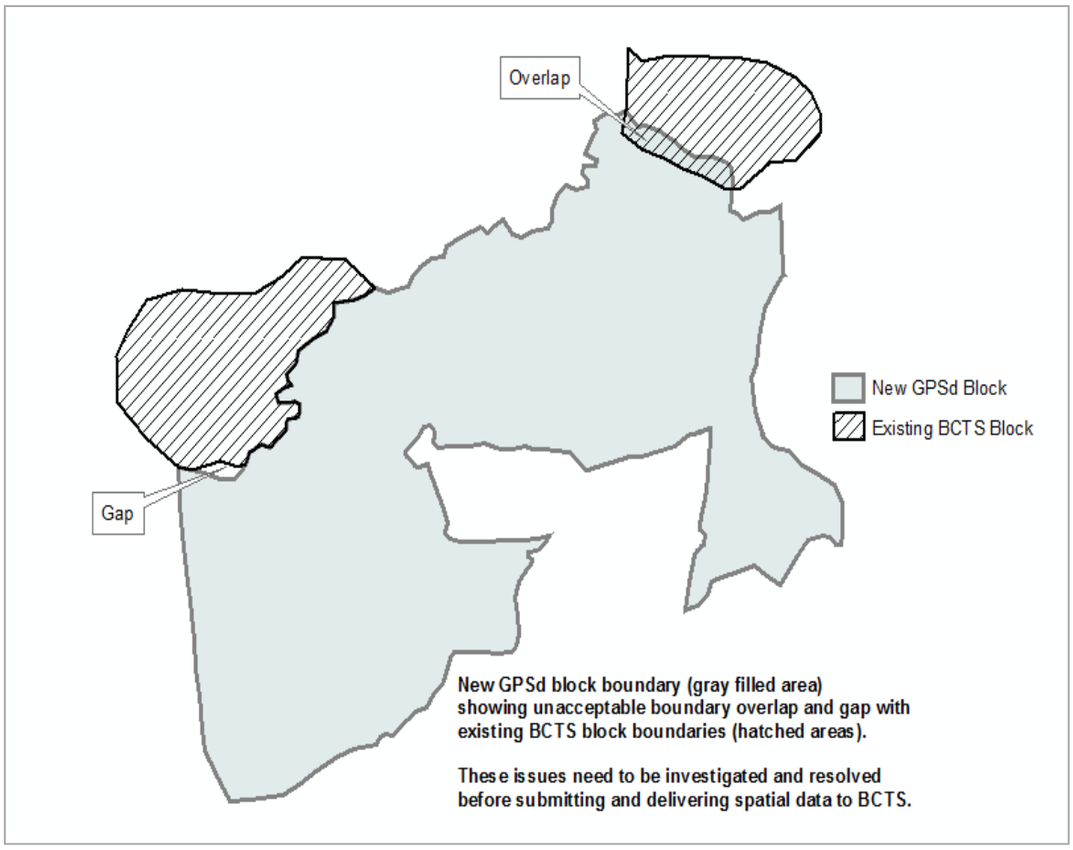
STREAM Attribute Table.

WATERBODY [BCTS WATERBODY]			
TYPE			
Code	**Description**	**Code**	**Description**
FEN	Fen	LAKE	Lake
FSF	Fisheries Sensitive Feature	RIVER	River
FORSWMP	Forested Swamp	WETLAND	Wetland
CLASS			
Code	**Description**	**Code**	**Description**
L1	Class 1 lake	S1	Class 1 stream
L1-A	Class 1-A lake	S2	Class 2 stream
L1-B	Class 1-B lake	S3	Class 3 stream
L2	Class 2 lake	W1	Class 1 wetland
L3	Class 3 lake	W2	Class 2 wetland
L4	Class 4 lake	W3	Class 3 wetland
NCL	Non-classified lake	W4	Class 4 wetland
NCW	Non-classified wetland	W5	Class 5 wetland
SUBCLASS			
Code	**Description**	**Code**	**Description**
A		D	
B		E	
C		A-M	
SURVEYOR			
Code	**Description**	**Code**	**Description**
TCH	Resource Technician	RPF	Registered Professional Forester
RFT	Registered Forest Technologist	RPB	Registered Professional Biologist
METHOD			
Code	**Description**	**Code**	**Description**
GPS	Global Positioning System 3D differentially corrected	TRIM	Terrain Resource Information Management
ORTHO	Digitized from orthophoto	UNK	Unknown

WATERBODY Attribute Table.

Appendix C – Topology Rules for Managed Layers

- All spatial data must be topologically correct (no overlaps and no slivers < 10 m2 with existing block boundary)
- All spatial data must have the correct spatial reference (positioned in the correct geographic location).
- Snapping should be set before commencing data edits so that line work and polygons are snapped appropriately where needed.
- Block must not overlap with other existing blocks; cannot have multi layers.
- SUs and Ecology units must be covered by the featureclass of Block, must not overlap or have gaps between them and cannot have multi layers.
- Lines representing continuous features (e.g. streams, roads) must be continuous within the dataset (i.e. no gaps), must not self-intersect and line work must be smoothed (i.e. no jagged line work or unusual offshoots).
- If a boundary conflict occurs with adjacent blocks, it must be brought to the attention of your BCTS Contract Coordinator and resolved before loading and submitting as final shape. See image below:



Note: The image is intended as a visual guide only and is not intended to replace a proper consultation with your BCTS Contract Administrator/RPF monitoring your contract.

Managed Layers							
Layer Name **LRM** / [BCTS]	LRM Topology Rules						
	Must not overlap	Must be covered by feature class of BLOCK	New shapes to be snapped to existing shapes where operationally feasible to share a single common boundary	Must not have pseudo-nodes	Must not self-overlap	Must not self-intersect	Must be singlepart
BLOCK_HARV_METHOD_SHAPE [HU – HARVEST METHOD SHAPE]	☑	☑					
BLOCK_HARV_SEASON_SHAPE [HU – CRITICAL SEASON SHAPE]	☑	☑					
BLOCK_HARV_STRATEGY_SHAPE [HU – HARVEST STRATEGY SHAPE]	☑	☑					
CUT_BLOCK_SHAPE [CUTBLOCK SHAPE]	☑		☑				
ECOLOGY_UNIT_SHAPE [ECOLOGY UNIT SHAPE]	☑	☑					
HARVEST_UNIT_SHAPE [HARVEST UNIT SHAPE]	☑	☑					
NON_MERCH_SHAPE [BLOCK STRATIFICATION BLOCK SHAPE]	☑	☑					
RIPARIAN_ZONE_SHAPE [RIPARIAN ZONE SHAPE]	☑	☑					
ROAD_SHAPE [ROAD]	☑			☑	☑	☑	☑
SU_SHAPE [STANDARD UNIT SHAPE]	☑	☑					

Appendix D – Road Naming Conventions by Business Area

Stuart-Nechako (TSN)
Road Naming Conventions for Timber Sale Licenses (TSLs)

On Block Roads:

- TSL TA1444, Block 1 - these roads will be named as RTA1444-1-1 (RTA1444 - referring to road, 1 referring to block 1, and 1 referring to spur 1). For map labels, adding "Spur 1" in the comments field of road class would facilitate proper labels.

Road Permit Roads:

- A Road Permit number will be assigned ~ Road Permit R13188, Section A - this road will be named as R13188A (R - referring to Road Permit Road, the number, and the Section).

Forest Service Roads:

- Hart East Forest Service Road 7671.54 - this road will be named FSR7671.54 (FSR - referring to Forest Service Road, the FSR number, and the Branch). In the Roads List Window - the road Name is FSR7671.54 and the road description is Hart East FSR.

Cariboo-Chilcotin (TCC)
Road Naming Conventions for Timber Sale Licenses (TSLs)

Road Type	Road Name	Road Description
Primary Public Road	Abbreviated name or # HWY97, NAZKO HWY	Common Name Cariboo Highway, Nazko Highway
Secondary Public Road	Public Road # or Common Name PR456	Common Name Witte Road
Forest Service Road	FSR # 6970.01	FSR Name Chilcoting South FSR
First Order Forest Service Road	FSR#-Secondary # 6970.01-01	Leave Blank
Second Order Forest Service Road	FSR#-Secondary#-Tertiary# 6970.01-01-01	Leave Blank
Other Tenured Road	Common Number 2400, 100, 1300	Common Name and Number Bigwood Main -2400
First Order Road	Common #-Secondary# 2400-01	Leave Blank
Second Order Road	Common#-Secondary#-Tertiary# 2400-01-01	Leave Blank
On Block Road	TSL(Blk)-road or TSLCP(Blk)-road A12345(1)-01, A12345CP1(1)-01	Leave Blank

Skeena (TSK)
Road Naming Conventions for Timber Sale Licenses (TSLs)

In TSK, all road names include: **[Field Team ID] + [Road Name].**

- Field Team ID:
  - TE (Terrace)
  - HA (Hazelton)
  - NC (North Coast)
- Road Name:
  - For Mainlines and Branches, use a logical road name (e.g., Copper River); check LRM Map View for already existing roads and names (do not use FSR or RP numbers in the road name)
  - For roads that do not have an assigned name, use: Planning Block Number (e.g., TEki001) or TSL Number (e.g., A71234) + Block Number (e.g., 1). Example: A71234-1.
- Road Classification
  - ML (Main Line – optional)
  - Br + # (Branch Road)
  - SP + # (Mandatory: SP + # or letter – preferably the same as shown on the Havest Plan Map)
  - ST + # (Mandatory: ST + # or letter – preferably the same as shown on the Harvest Plan Map)
- Road Naming Convention **Examples:**
  - TE Kitnavakwa ML NC A71234-1 SP 1 TE TEki001 SP A
  - TE Harper Br 35 NC A71234-1 ST 2 TE TEki001 ST 1
  - HA Derrick 310

Additionally, ensure adherence to the following road naming principles:

1. Road names: Are to be kept as short as possible. Long names can be problematic when used for labelling maps.
2. Road description: For the purpose of building query information in the **Road List > Description** field, the description must be consistent with the following:
   a. Roads associated with planning blocks: Indicate if the road is **Resource** or **On Block** (unless more information is known, in which case following the direction for “Roads associated with TSLs” directly below in #3.
3. Roads associated with TSLs:
   a. For FSR roads, begin with the tenure type and number followed by point of commencement (POC) (e.g., FSR 10255.01, Hwy 37N 143.5 km).
   b. For roads that are not FSRs and have sections extending beyond the block boundary, being with **Resource**, followed by TSL and / or Block # (do not repeat if already included in Road Name) and then POC (e.g., Resource A12345 – 1 & 2, Arbour 15.3 km)
   c. For roads that are entirely within a block, begin with **On Block** and optionally the TSL # and Block # (if not already used in the Road Name field); POC is also optional.
   d. For roads that are under other major Licensee stewardship or are non-statutory roads (NSRs), do not use above listed descriptions; enter only POC. Optionally, active permit holder name and number (e.g., Little Paw 10.1 km, CTR, R15005sec.A)

Prince George (TPG)
Road Naming Conventions for Timber Sale Licenses (TSLs)

Forest Service Roads:

- The Forest Service Roads will have a name based on its location such as Salmon FSR or ODELL Road. These roads originate from the highway or a major junction point.

All other roads:

- The roads that branch off the mainlines or FSRs will be given a number in the 1000s. For example, the first road branching off the Salmon FSR would be SALM 1000, the next road branching off the Salmon FSR would be SALM 2000, and so on, adding 1000 to each subsequent road branching off.
- For roads then branching off the Branch roads you add in the 100's place, for example a branch off SALM 1000 would be SALM 1100.
- This continues following this pattern until you reach the fifth level branch. For example, if you have SALM 1111 a branch off this road would move into the decimal places, SALM 1111.1.

Peace-Liard (TPL)
Road Naming Conventions for Timber Sale Licenses (TSLs)

Block Access Roads

- Block access roads are to be named per the following naming convention: [License ID] + [Block ID] + [Letter]. For example:
  - The first block access road for TSL A12345 to Block 1 would be named “A12345-001-A”.
    - All subsequent block access roads to Block 1 receive the next uppercase letter following the alphabet: “A12345-001-B”, “A12345-001-C”, etc.
  - The first block access road for TSL A12345 to Block 2 would be named “A12345-002-A”.
  - Where an access road becomes an on block road, it keeps its original name. The Steward road event is to be updated to TSL Holder for that portion of the road.

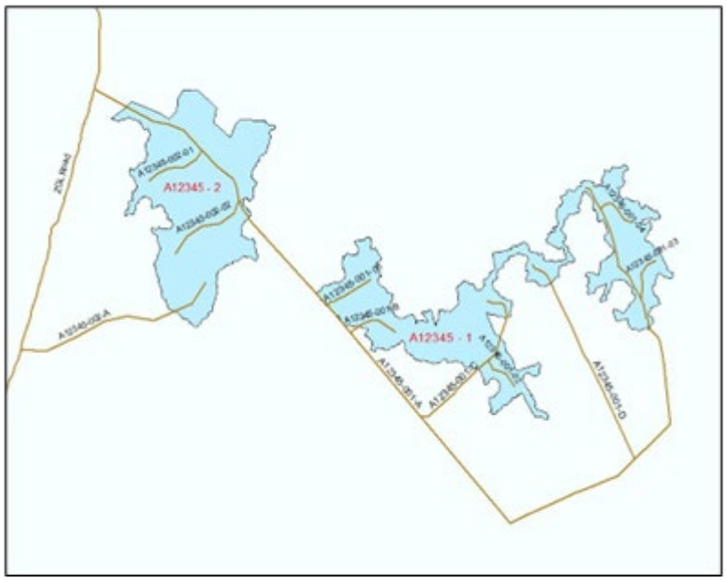
On Block Roads

- On block roads are to be named per the following naming convention: [License ID] + [Block ID] + [Spur number]. For example:
  - The first on block road for TSL A12345 to Block 1 would be named “A12345-001-01”.
  - The second on block road for the same bock would be named “A12345-001-02”.
  - The first on block road for TSL A12345 to Block 2 would be named “A12345-002-01”.

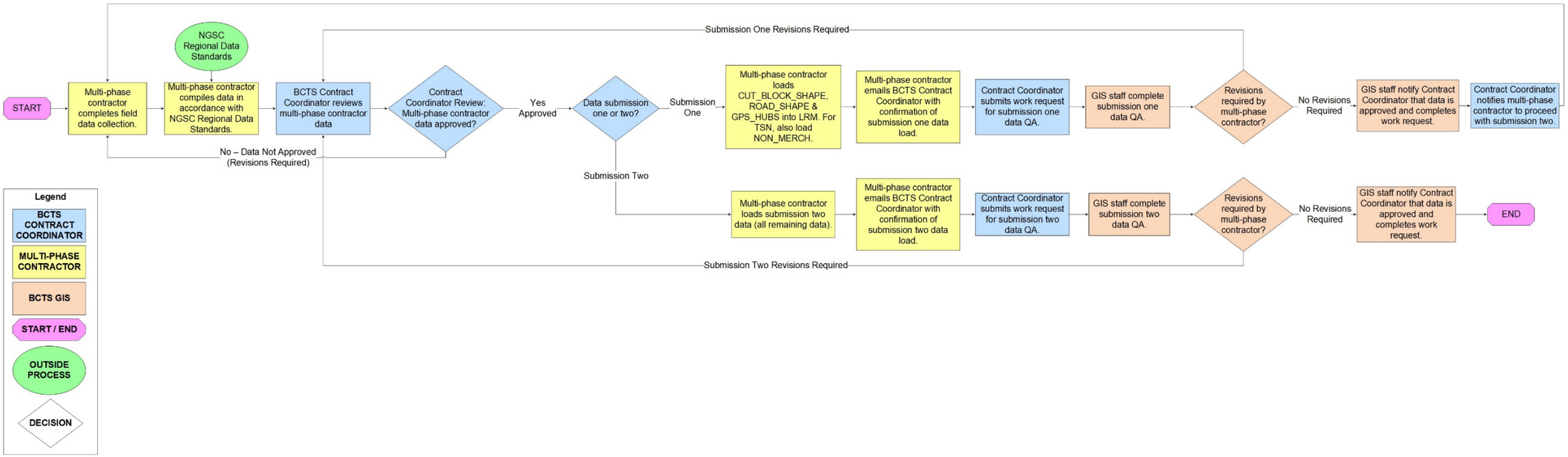
Note

- If a road is to be extended, it keeps the original name. Only create a new road name when it is a **branch** off the other line.
- If an access road originates outside of a block but flows through more than one block, use the Licence and Block ID from the final block for the road name. **Existing roads with names are kept and override this rule.**

See example below. Note that road sections are covered in Schedule C of the contract.



Appendix E – NGSC Data Loading – Pilot Process



PDF Available:

NGSC RDS - Data Delivery & Loading Pr