



Ministry of Sustainable Resource Management

ILRR Project

ILRR Business Requirements Appendix G – Data Quality Impact Assessment Results Version 1.0



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Appendix G: Data Quality Impact Assessment Results

The Core Working Group (CWG) and Northeast Working Group (NEWG) were asked to provide input into the impact of known ILRR data quality issues. Using the data quality issues identified in the Data Assessment Reports, each working group member was asked to consider the impact this issue would have on their ability to use a **Report on Interests** produced by ILRR. The following rating system was used:

L	Low - Minor inconvenience. You might note the issue, but it would not prevent you from using the information contained within the Report on Interests.
M	Medium - Serious timescale or effort impact. You would need to do additional work to validate the information in the report or collect additional information from other sources.
H	High - ILRR is unusable. The data quality issues are so serious that the information provided by the Report of Interests is of no value to you. You will need to go elsewhere for the information you need to support your business process.

G.1 Data Quality Impact Assessment Summary

The following table is a summary of the data quality impact responses.

Issue		Total Responses	Not Applicable/No Response (0)	Low (1)	Medium (2)	High (3)	Average ¹
Parcel Fabric and Crown Tenure	Missing Crown Parcels (lack of notification)	23	0	6	5	12	2.26
	Missing Crown Parcels for other reasons.	23	1	6	3	13	2.32
	Missing Private Parcels in IPF (Spatial only)	23	0	5	5	13	2.35
	Missing/Inaccurate Plan Information	23	0	5	9	9	2.17
	Missing LA Plan Images	23	4	9	4	6	1.84
	Missing Spatial Data (lower mainland)	23	6	10	2	5	1.71
	Missing Spatial Data (outside lower mainland)	23	1	3	5	14	2.50
	Missing Rights of Way Attribute Info	23	0	6	7	10	2.17
	Missing Crown Grant attributes and images	23	0	5	5	13	2.35
	Missing Tenure Records (attribute)	23	0	5	4	14	2.39
Forest Tenures	Up to 2 years out of date	23	0	6	7	10	2.17
	Up to 30% missing data	23	0	7	3	13	2.26
	Lack of Consistency Spatial/Attribute	23	0	8	5	10	2.09
Mineral Tenures	Restrictions not in MiDA	23	1	15	4	3	1.45
	Rights not identified	23	1	13	3	6	1.68
	No links to legal docs.	23	1	16	3	3	1.41
	Spatial – inaccurate coal tenure mapping due to NPG grid slivers.	23	1	13	3	6	1.68
	Spatial - Inaccurate plotting of Mineral Claims & Placer Claims (MiDAGraphics).	23	1	10	6	6	1.82
	Approximately 700 tenures not plotted on the map.	23	1	7	3	12	2.23
	Lease of placer minerals have not been entered into the spatial dB for the last 8 months.	23	1	9	3	10	2.05
	Some of the attribute data is not linked to the spatial data (not all the titles are plotted on the map).	23	2	9	4	8	1.95

¹ Issues are flagged as “High” where the average is >2.17 and Medium where the average is >1.50.

Issue		Total Responses	Not Applicable/No Response (0)	Low (1)	Medium (2)	High (3)	Average ¹
Petroleum Tenures	No Company Registration Numbers	23	0	14	2	7	1.70
	PNG tenures within the Peace River Block are suppose to follow Tp, R, and Sec. boundaries but they not since much of the PRB was not surveyed.	23	0	12	5	6	1.74
	Spatial – inaccurate tenure mapping due to PNG grid slivers.	23	0	12	2	9	1.87
Water Rights	Currency of licensee information.	23	1	8	4	10	2.09
	Inaccurate spatial location of PODs & works.	23	1	6	5	11	2.23
	Incomplete private cadastral data to reference licenses against	23	3	13	0	7	1.70
	Incomplete attribute information – missing parcel identifiers (PIDs)	23	2	9	3	9	2.00
	Incomplete spatial information (stored as coverages in data warehouse).	23	2	11	2	8	1.86
	Incomplete stream network against which to register PODs.	23	3	11	3	6	1.75
Archaeology Sites	Inaccurate location and spatial representation of Archaeological sites.	23	1	4	2	16	2.55
	Incomplete attribute information for Archaeology site records.	23	1	6	8	8	2.09
	Archaeological Permits -- no spatial reference	23	6	6	4	7	2.06
Protected Areas	Conservation Lands.	23	7	5	2	9	2.25
	Park Use Permits (that have interest in the land for a long term).	23	6	10	2	5	1.71
	Inaccurate Protected Area/Park Boundary descriptions	23	7	5	2	9	2.25
Forest Roads	Forest Act Roads – FTAS/INCOSADA Inconsistencies	23	2	8	5	8	2.00
	Special Use Permit Roads – Duplication between ROADS and PERMITS in INCOSADA	23	2	9	4	8	1.95
	Special Use Permit Roads – FTAS/INCOSADA Inconsistencies	23	2	9	4	8	1.95
	Forest Service Roads – FTAS inaccurate.	23	3	9	3	8	1.95
	Forest Service Roads – FTAS/FRMA not linked to INCOSADA	23	3	11	1	8	1.85

Issue		Total Responses	Not Applicable/No Response (0)	Low (1)	Medium (2)	High (3)	Average ¹
Transportation	Gazetted Roads – no Spatial Database	23	2	5	5	11	2.29
	LTO Registered Roads – no Road Parcels in ICF	23	3	10	5	5	1.75
	Section 4 Roads – not surveyed	23	2	11	4	6	1.76
	Tantalis Missing Crown Land originally acquired for Highways	23	2	8	4	9	2.05
	Long-term Tenures on Public Roads	23	5	10	5	3	1.61
	Short-term Tenures on Public Roads	23	7	10	4	2	1.50
	Permits on public roads.	23	8	10	4	1	1.40

G.2 Data Quality Impact Assessment Details

The following table is the detail from the data quality impact responses.

Issue	Core Working Group											Northeast Working Group												
	BC Assessment	MSRM Resource Info.	Archaeology - Inventory	Archaeology - Permits	MEM - Mineral Titles	MEM	MOF	MOT	Land Titles	MSRM SGB	LWBC	SRM - Land planning	MoF (District)	WLAP	WLAP	MoT	LWBC	OGC	OGC	BCA,	Waberski Darrow	McElhanney Associates	BCLS	
Parcel Fabric and Crown Tenure	Missing Crown Parcels (lack of notification)	M	H	L	M	L	L	H	H	L	H	H	M	H	H	M	M	H	H	H	H	H	L	L
	Missing Crown Parcels for other reasons.	H	H	L	M	L	L	H	H	L	H	H	M	H	H	M		H	H	H	H	H	L	L
	Missing Private Parcels in IPF (Spatial only)	H	H	L	M	M	H	H	H	L	H	H	M	H	M	H	H	M	H	H	H	L	L	L
	Missing/Inaccurate Plan Information	M	M	L	M	M	H	H	M	L	M	H	M	H	H	M	H	M	H	H	H	L	L	L
	Missing LA Plan Images			L	L		L		L	L	L	M	M	H	M	M	H	H	H	H	H	L	L	L
	Missing Spatial Data (lower mainland)		L	M	M	L		L		L	H	H	L		L	L		H	H	H	L		L	L
	Missing Spatial Data (outside lower mainland)	H	M	M	M	M		H	H	L	H	H	H	H	H	H	L	H	H	H	H	H	M	L
	Missing Rights of Way Attribute Info	H	H	L	M	L	L	H	H	L	M	M	H	H	M	M	H	M	H	H	H	L	L	M
	Missing Crown Grant attributes and images	H	H	L	L	H	H	H	H	L	M	L	H	H	M	M	M	H	H	H	H	L	M	H
	Missing Tenure Records (attribute)	H	H	L	L	H	M	H	H	L	H	H	H	H	H	M	M	H	H	H	H	L	L	M
Forest Tenures	Up to 2 years out of date	H	H	M	M	L	L	H	H	L	H	L	M	M	M	H	L	H	H	H	L	M	H	M
	Up to 30% missing data	H	H	M	M	L	L	H	H	L	H	L	H	H	H	H	L	H	H	H	L	M	H	L
	Lack of Consistency Spatial/Attribute	H	M	M	M	L	L	H	H	L	H	L	M	H	H	M	L	H	H	H	L	L	H	L

Issue		Core Working Group										Northeast Working Group												
		BC Assessment	MSRM Resource Info.	Archaeology - Inventory	Archaeology - Permits	MEM - Mineral Titles	MEM	MOF	MOT	Land Titles	MSRM SGB	LWBC	SRM -Land planning	MoF (District)	WLAP	WLAP	MoT	LWBC	OGC	OGC	BCA,	Waberski Darrow	McElhanney Associates	BCLS
Mineral Tenures	Restrictions not in MiDA	L	L	L	L	L		L	L	L	L	L	M	L	H	M	L	M	H	H	L	L	L	M
	Rights not identified	L	L	L	L	L		L	L	L	L	H	H	H	H	M	L	M	H	H	L	L	L	M
	No links to legal docs.	L	L	L	L	L		L	L	L	M	L	M	H	L	M	L	L	H	H	L	L	L	L
	Spatial – inaccurate coal tenure mapping due to NPG grid slivers.	L	L	L	L	L		L	L	L	L	H	M	H	H	M	L	H	H	H	L	L	M	L
	Spatial - Inaccurate plotting of Mineral Claims & PlacerClaims (MiDAGraphics).	L	L	L	M	M		M	L	L	M	L	H	H	H	M	L	H	H	H	L	L	L	M
	Approximately 700 tenures not plotted on the map.	M	H	L	M	H		H	H	L	H	H	H	H	M	H	L	H	H	H	L	L	L	L
	Lpms have not been entered into the spatial dB for the last 8 months.	M	H	L	L	H		H	H	L	H	H	L	M	M	H	L	H	H	H	L	L	L	L
	Some of the attribute data is not linked to the spatial data (not all the titles are plotted on the map).	M	H	L	L	H		H		L	H	M	L	H	M	H	L	M	H	H	L	L	L	L
Petroleum Tenures	No Company Registration Numbers	H	H	L	L	L	L	L	L	M	L	M	H	L	H	L	L	H	H	H	L	L	L	L
	PNG tenures within the Peace River Block are suppose to follow Tp, R, and Sec. boundaries but they not since much of the PRB was not surveyed.	H	H	L	L	M	L	H	L	L	L	M	M	M	M	L	L	H	H	H	L	L	L	L
	Spatial – inaccurate tenure mapping due to PNG grid slivers.	H	H	L	L	L	L	H	L	L	L	H	M	H	H	M	L	L	H	H	H	L	L	L

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	BC Assessment	MSRM Resource Info.	Archaeology - Inventory	Archaeology - Permits	MEM - Mineral Titles	MEM	MOF	MOT	Land Titles	MSRM SGB	LWBC	SRM -Land planning	MoF (District)	WLAP	WLAP	MoT	LWBC	OGC	OGC	BCA,	Waberski Darrow	McElhanney Associates	BCLS	
Water Rights	Currency of licensee information.	H	H	L	L	M	L	H	H	L		H	L	L	H	M	L	H	H	H	H	L	M	M
	Inaccurate spatial location of PODs & works.	H	M	L	M	M	L	H	H	L		H	H	H	H	M	L	H	H	H	H	M	L	L
	Incomplete private cadastral data to reference licenses against (i.e. appurtenant parcel).		L	L	L	L	L	L		L		L	H	H	L	H	L	H	H	H	H	L	L	L
	Incomplete attribute information – missing parcel identifiers (PIDs)	L	M	L	L	L	L	H		L		H	M	H	H	H	L	H	H	H	H	L	L	M
	Incomplete spatial information (stored as coverages in data warehouse).	L	H	L	L	L	L		H	L		H	M	H	H	M	L	H	H	H	L	L	L	L
	Incomplete stream network against which to register PODs.	L	M	L	L	L	L			L		L	H	H	H	M	L	H	H	H	L	L	M	L
Archaeology Sites	Inaccurate location and spatial representation of Archaeological sites.	H	H	H	H	H	H	H	H	L		H	H	H	M	H	H	H	H	H	L	M	L	L
	Incomplete attribute information for Archaeology site records.	L	L	M	M	M	H	H	M	L		M	H	H	M	M	H	H	H	H	L	L	M	L
	Archaeological Permits -- no spatial reference	H	H	M	M					L			L	H	M	H	L	H	H	H	L	L	M	L
Protected Areas	Conservation Lands.		H	L	L	H							H	H	H	H	L	H	H	H	L	M	M	L
	Park Use Permits (that have interest in the land for a long term).	H	H	L	M	L							L	L	H	M	L	L	H	H	L	L	L	L
	Inaccurate Protected Area/Park Boundary descriptions		H	L	M	H							H	H	H	H	L	H	H	H	L	M	L	L

Issue		Core Working Group											Northeast Working Group											
		BC Assessment	MSRM Resource Info.	Archaeology - Inventory	Archaeology - Permits	MEM - Mineral Titles	MEM	MOF	MOT	Land Titles	MSRM SGB	LWBC	SRM -Land planning	MoF (District)	WLAP	WLAP	MoT	LWBC	OGC	OGC	BCA,	Waberski Darrow	McElhanney Associates	BCLS
Forest Roads	Forest Act Roads – FTAS/INCOSADA Inconsistencies	L	H	L	M	L	L		H	L		H	M	H	M	H	M	H	H	H	L	M	L	L
	Special Use Permit Roads – Duplication between ROADS and PERMITS in INCOSADA	M	H	L	M	L	L		H	L		H	M	H	L	H	L	H	H	H	L	M	L	L
	Special Use Permit Roads – FTAS/INCOSADA Inconsistencies	M	H	L	M	L	L		H	L		H	M	H	L	H	L	H	H	H	L	M	L	L
	Forest Service Roads – FTAS inaccurate.		H	L	M	L	L		H	L		H	M	H	L	H	L	H	H	H	L	M	L	L
	Forest Service Roads – FTAS/FRMA not linked to INCOSADA		H	L	M	L	L		H	L		H	L	H	L	H	L	H	H	H	L	L	L	L
Transportation	Gazetted Roads – no Spatial Database	H	H	M	M	L	L		H	L		H	H	H	L	H	H	H	H	H	L	M	M	M
	LTO Registered Roads – no Road Parcels in ICF	L	L	L	L	L	L		H			M	M	L	L	M	H	H	H	H	L	M	L	M
	Section 4 Roads – not surveyed	M	H	L	M	L	L		H	L		M	L	L	L	M	H	H	H	H	L	L	L	L
	Tantalis Missing Crown Land originally acquired for Highways	H	H	L	L	M	L		H	L		H	L	M	M	H	H	H	H	H	L	L	L	M
	Long-term Tenures on Public Roads	M	L	L	L		L		H	L		L	M	H	L	M	H	M			L	M	L	L
	Short-term Tenures on Public Roads	L		L	L		L		H			L	M	H	L	M	L	M			L	M	L	L
	Permits on public roads.	L		L	L		L					L	M	H	L	M	M	L			L	M	L	L