

## TABLES SUMMARIZING MINING RIGHTS LEGISLATION IN THE PROVINCES AND TERRITORIES

These tables were first published in the 1984 edition of the Provincial Geologists Journal. Revised tables were published in 1985. Since then, several provinces have made substantial amendments to their legislation. The current edition incorporates these recent changes.

Mining rights (dispositions) are the legal vehicles through which the owners of the minerals, the Provinces and Canada, grant to the public exclusive rights to search for, develop and mine those minerals.

Figures 1 to 5 are tables of data that summarize selected elements of mining right legislation in the ten provinces and two territories. Elements selected are those that deal with obtaining and maintaining a mining right.

Figures 1, 2 and 3 contain the raw data as specified in each provincial and territorial piece of legislation. The data is organized under the three stages of progression of a mineral showing to a producing mine, i.e. exploration, development and production, with some overlap. These three stages are correlated with the advancing levels of mining rights, as follows:

STAGE	MINING RIGHT
1. exploration and development	claim
2. development and pre-production	licence, late claim or early lease — production not a condition of the lease
3. production	late lease (lease in some provinces) — production generally a condition of the lease

Because of varying claim sizes and use of both Imperial and metric measure, Figures 1 to 3 have limitations in their usefulness for comparisons between jurisdictions, especially with respect to required work and fees. Thus, Figures 4 and 5 have been constructed to provide for direct comparison of these two elements. Part A of Figure 4 repeats the raw data for required work while Part B shows the same data mathematically averaged, based on a 40 acre (16 ha) claim. In Figure 5, the fees for recording and renewing claims are also converted to a 40 acre (16 ha) claim size and licence and lease rentals are expressed as \$ per ha per year.

The reader is advised that, because of the on-going process of amendment to legislation, some data may be obsolete by the time of publication of these tables. The reader is also cautioned that these tables are not a substitute for actual legislation nor should they be used as such.

In order to accomplish completeness of data in a convenient size, it is necessary to make considerable use of the following abbreviations and symbols:

ft	feet	L	length
m	metres	W	Width
ac	acres	> ≠	greater than, not greater than
yr(s)	year(s)	< ≠	less than, not less than
ha	hectares	max	maximum
t	tonnes	min	minimum
mos	months	ug	underground

The tables were prepared by Eugene Jackson, Chief, Mineral Lands, New Brunswick Department of Natural Resources and Energy under the auspices and with the assistance of the Provincial/Territorial Mining Rights Committee. The members of the Committee are listed on the following page.

**PROVINCIAL/TERRITORIAL MINING RIGHTS COMMITTEE  
1988**

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### Figure 1. Exploration and development

	YUKON	NWT	B.C.	ALBERTA	SASKATCHEWAN
Enacted (last amend)	1952 (1987)	1977 (1987)	1988	1984 (1987)	1986
Ground/map staking	ground	ground	ground	map	ground
<b>Name</b>	mineral claim	claim	a) mineral claim of 1 to 20 units b) 2-post claim	metallic minerals exploration permit	claim
<b>Basic claim</b>					
<b>How staked</b>	2 post, line between marked	4 corner posts and at 1500 ft on ext. bndry boundary marked	a) legal corner post and at 500 m on ext. bndry, bndry marked b) 2 posts, line between marked	application (map selection)	a) surveyed area: legal subdivision(s) b) unsurveyed area: 4 corner posts and at 500 m on ext. bndry boundary marked
<b>Size</b>	L $\geq$ 1500 feet W $\geq$ 1500 feet 51.65 ac. (20.9 ha)	$\geq$ 2582.5 acres (= 50 at 1500 feet) sides are mult. of 1500 ft, L $\geq$ 5W	a) unit: 500 m (25 ha) b) 2-post claim: 500 m (1640 ft) 25 ha (61.78 ac.)	16 to 9216 hectares	16 to 6,000 hectares L $\geq$ 6W
<b>Block Size</b>			25 to 500 ha, $\geq$ 8 units in one direc.		
<b>Bearing of boundaries</b>	any	astronomic N-S E-W	a) astronomic N-S E-W b) any	astronomic N-S E-W	any but rectangular in shape
<b>Time marked on No.1 post</b>	date only	placing of post and completion of claim	a) commencement and completion date only b)	N/A	completion
<b>Maximum time to affix tags</b>	as soon as reasonably possible after record.	60 days	when staking (write on tags)	N/A	1 year from recording
<b>Maximum days to record</b>	15 + extra, depends on distance	60	20	N/A	15
<b>Recording fee</b>	\$10/claim	\$0.10/acre	\$5/unit	\$450/permit	\$0.60/ha, minimum \$10
<b>Term length <math>\times</math> number</b>	1 yr $\times$ unlim.	2 years, plus 1 yr $\times$ 8	1 yr $\times$ unlim.	3 yrs, plus 2 yrs plus 1 yr + 1 yr	2 yrs, plus 1 yr $\times$ unlimited
<b>Renewal fee *Filing work</b>	\$5/claim*	\$0.10/acre*	\$5/\$100 work*	none	0
<b>Annual work \$/claim unless otherwise specif.</b>	100	yrs (1 + 2) \$4/acre 3+ \$2/acre	yrs 1-3 100/unit 4+ 200/unit	first term \$10/ha second term \$20/ha third term \$15/ha fourth term \$15/ha	yrs 2-10 \$12/ha yrs 11+ \$25/ha
<b>Cash for work — Refund if work done</b>	yes - no	yes - yes	yes - no	Deposit \$10/ha Refund - yes	yes - yes
<b>Limit for grouping work</b>	16 claims/yr	5165 ac/yr (= 100 at 1500 ft)	100 claims/yr	1 claim per term	10,000 ha/yr
<b>Limit of excess work</b>	\$400/cl/yr	unlim.	10 yrs.	unlim.	unlim.
<b>Time after anniver. to file work reports</b>	6 mos (fee after 14 days)	30 days, 1 yr + 30 days for excess work	90 days	not later than anniversary	90 days
<b>Confidential period for work reports</b>	lapse + 6 mos.	upon lapse or 3 yrs	1 yr	1 yr after term or permit expiry	3 yrs, less by consent or lapse
<b>Production permitted</b>	yes	$\geq$ \$100,000/yr	$\geq$ 1000t/yr/unit	no	no
<b>Other exploration rights</b>	—	permit to prospect	reverted Crown-granted claim	none	permit
<b>Prospector's licence</b>	no	yes	yes	no	no

MANITOBA	ONTARIO	QUEBEC	N.B.	N.S.	P.E.I.	NFLD.
1981 (1987)	1906 (1988)	1988	1986 (1988)	1975 (1984)	1978	1983
ground	ground	a) ground b) map S of St. Lawr.	ground	map	map	a) ground b) map
claim	mining claim	claim	mineral claim	claim exploration licence for 1 to 80 claims	claim exploration lic. for 1 to 80 clms	mineral claim
a) surv. area: 1+ leg. subd'ns b) unsurv. area: 4 cor. posts & at 400 m on bdry, bdry marked	4 corner posts in clockwise order boundary marked	a) 4 corner posts, bdry marked, special rules in surveyed area b) map selection	4 corner posts in clockwise order bdry marked	map selection	map selection	a) 4 corner posts bdry marked b) map selection
16 to 256 ha L ≥ 4W side ≥ 400 m	a) 1320 ft (40 ac) in unsurv. areas b) aliquot part of subdivided lot in surv. areas	a) 16 ha (400 m) in unsurv. area; full lot size in surv. area (max. 500 ha) b) same	400 m (16 ha)	40 to 3200 acres	40 to 3200 acres	a) 400 m (16 ha) b) 500 m (25 ha)  a) 1 to 64 claims (16 to 1024 ha) L ≥ 4W
any but rectangular in shape	a) astronomic N-S E-W b) variable	astro. in unsurv. area variable otherwise	magnetic N-S E-W	astronomic N-S E-W	astronomic N-S E-W	a) astronomic N-S E-W b) UTM grid
completion	commencement	commencement	completion	N/A	N/A	completion
at staking if prepurch., 1 yr if purch. at rec'ding	6 months from recording	when staking (write on tags)	when staking (write on tags)	N/A	N/A	when staking
30	31	20 days except 30 days N of 52°	21	N/A	N/A	30
\$5/claim	\$10/claim	< 25 ha \$20; 25-100 ha \$40; > 100 ha \$60	\$5/claim	\$4/claim	\$5/claim	a) \$5/claim b) \$7.50/claim
2 yrs plus 1 yr × unlim.	1 yr × 5	2 yrs × unlim.	1 yr × unlim.	1 yr × 8 (yrs 6, 7, 8 at min. discret)	1 yr × 5	1 yr × 5
\$2/claim*	0	same as recording	yrs 1-5 \$4; 6-10 \$20 11-15 \$25; 16+ \$30	\$4/claim	\$5/claim	0
yrs 2-10 \$12.50/ha 11+ \$25.00/ha	yrs 1 20 days 2-4 40 days 5 60 days	\$/2 yr term tms < 25ha 25-100 > 100 1-3 500 1200 2000 4-6 750 1800 3000 7+ 1000 2500 4000	yr 1 100 5-10 300 2 150 11-15 500 3 200 16-25 600 4 250 25+ 800	10 days (day = \$20)	\$5/acre	yr 1 (a)200 (b)300 2 250 375 3 300 450 4 350 525 5 400 600
yes - yes	no	yes under special cond'ns - no	yr 1 \$20 - no	yes - yes	yes - yes	yes - yes
1600 ha/yr	4000 days/appl'n (more for drilling)	within a 3.2 km sq	unlim.	an expl. licence (80 claims)	an expl. licence (80 claims)	contiguous claims
unlim.	unlim.	unlim.	10 yrs.	unlim.	unlim.	unlim.
60 days	10 days	by annv.; no pnty 60 dys before annv	30 days	15 days	15 days	60 days
none with consent or upon lapse	none	none	max. 2 yrs on request	2 yrs, possible ext'n of 1 yr	2 yrs, plus 1 yr on request	upon lapse or 3 yrs
with consent	no	no	no	no	no	no
permit, agreement	agreement	expl. lic. north of 52°, concession	agreement	agreement	agreement	reserved area licence
no	yes	yes	yes	no	no	no

**Figure 2. Development and pre-production (production not a condition)**

	YUKON	NWT	B.C.	ALBERTA	SASKATCHEWAN
<b>NAME</b>	lease (of claim)	lease (of claim)	mining lease	metallic mineral lease	lease
<b>Boundary survey</b>	yes	yes	yes	no	not mandatory
<b>Other conditions for obtaining</b>	certif. of improvements (\$500 spent, min. dep. found, post notice)	\$10/ac spent or undertaken to commence prod'n	post & publish notice of intent	approved assess. report on permit	mark & tag bndry in unsurv. area
<b>Size limits</b>	1 claim	1 claim (max. 2582.5 acres)	none	min. 16 hectares max. 9216 hectares	16 to 6000 hectares L ≥ 6W
<b>Term, renewal conditions</b>	21 yrs. renewable if satisfy Min. that cond'ns of lease complied with	21 yrs. renewable indef. subj. to prescr. cond'ns	max. 30 yrs renewable once	Prim term: 10 yrs renew. for 15 yr terms	10 yrs renewable indef. subj. to compliance
<b>Rent (annual, unless otherwise specified)</b>	\$50/1st term \$200/2nd term	\$1/ac less red'n to 50% for tren., strip, drill., ug	\$5/ha if surveyed \$250/ha if unsurveyed	\$2.50/hectare	none
<b>Annual work</b>	none	none	none	\$10/hectare if no production (primary term only)	yrs 1-10 \$25/ha 11-20 \$50/ha 21+ \$75/ha

MANITOBA	ONTARIO	QUEBEC	N.B.	N.S.	P.E.I.	NFLD.
lease (1st & 2nd terms)	lease (of mining and surface rights)	claim	mineral claim	development licence	development licence	extended licence
yes — unsurv. area ? — surv. area	yes — unsurv. area ? — surv. area			no	no	no
\$625/ha spent, lesser amt subj to geol. and ecol.	compliance with mining act			suff. work to prove up mineral deposit	suff. work to prove up mineral deposit	compliance with terms of initial licence
max. 800 ha L ≥ 6W	none	see Figure 1	see Figure 1	max. 80 claims	max. 80 claims	none
21 yrs renew. once without prod'n if \$1250 spent or prod'n on adj. lease or fully explored or prod'n unwarranted	21 yrs renewable indef. subject to compliance with act			1 year renewable indef.	1 year renewable indef.	one term max. 5 yrs
\$7.50/ha, min. \$80	term 1, yr 1 \$1/acre yrs 2+, .25/acre terms 2+, 1.00/acre			\$2/acre	\$1/acre	\$3/hectare
none unless needed for renewal	none			as prescribed by Minister	as prescribed by Minister	a) \$600/claim a) \$900/claim

**Figure 3. Production (production generally a condition)**

	YUKON	NWT	B.C.	ALBERTA	SASKATCHEWAN
<b>NAME</b>	lease (3rd term +)	lease (of claim)	mining lease	metallic mineral lease	lease in relief period
<b>Boundary survey</b>	done previously	yes	yes	no	not mandatory
<b>Other conditions for obtaining</b>	as prescr. by Gov. in Council	\$10/ac spent or undertaken to commence prod'n	post & publish notice of intent	authorization by O.I.C.	in prod'n or on standby or \$1000/ha ug work done
<b>Size limits</b>	1 claim (per stage 2)	1 claim (max. 2582.5 acres)	none	min. 16 hectares max. 9216 hectares	16 to 6000 hectares L ≥ 6W
<b>Term, renewal conditions</b>	21 yrs. renewable indef. per cond'ns prescr. by Gov. in Council	21 yrs. renewable indef. subj. to prescr. cond'ns	max. 30 yrs renewable once	15 yrs renewable	10 yrs renewable indef. subj. to compliance
<b>Rent (annual, unless otherwise specified)</b>	\$200/term	\$1/ac less red'n to 50% for tren, strip, drill, ug	\$5/ha if surveyed \$250/lease if not surv.	\$2.50/hectare	\$5/ha, min. \$80
<b>Annual work</b>	none		none	none	none

MANITOBA	ONTARIO	QUEBEC	N.B.	N.S.	P.E.I.	NFLD.
lease (3rd term +)	a) min, surf rts lease b) patent (fee simple)	mining lease	mining lease	mining lease	mining lease	mining lease
done previously	done previously	yes	yes	yes	yes	yes if ground-staked
mining or on standby	can patent if 1 yr contin. production on lease	workable deposit, prod'n within 4 yrs	orebody outlined, prod'n decis'n made, submit feas. study and reclam'n program	prod'n plans for mining & reclam'n	prod'n plans for mining & reclam'n	prod'n within 5 yrs
max. 800 ha L ≥ 6W (per stage 2)	none	max 100 ha, more if cond'ns warrant	As req'd for op'ns and prot'n of ore extens.	mjn. 1 claim max. 80 claims	max. 12 claims	none
21 yrs renewable indef. if in prod'n or on standby, treat ore in Canada	21 yrs renew. indef.	20 yrs, 3 renewals of 10 yrs each if mining in 2 of last 10 yrs/term; extension possible	20 yrs renewable to 80 yrs	20 yrs renewable so long as mine operat.	20 yrs renewable so long as mine operat.	1 st to 25 yrs renewable for terms to 10 yrs each
\$5/ha, min. \$80	a) tm 1, ur 1 \$1/ac yrs 2+ .25/ac tms 2+ \$1/ac b) min acr tax .50/ac	public land \$5/ha (\$57/ha for tailings) priv. land \$2.50/ha	\$5/hectare	\$2/acre	\$1/acre	\$40/hectare
none	none	none	\$60/ha for any yr not in production	work or mining or both	work or mining or both	none

Figure 4. Summary of required work, years 1 to 10

		YUKON	N.W.T.	B.C.	ALTA.	SASK.	MAN.	ONT.	QUE. <sup>2</sup>	N.B.	N.S.	P.E.I.	NFLD. <sup>2</sup>	
Max. claim life		unlim.	10 yrs	unlim.	7 yrs	unlim.	unlim.	5 yrs	unlim.	unlim.	8 yrs	5 yrs	10 yrs	
Basic claim size		51.65 ac	variable	25 ha	variable	variable	variable	40 ac	16 ha <sup>3</sup>	16 ha	40 ac	40 ac	16 ha	
<b>PART A</b>														
Required work as prescribed	YR 1	100	\$4/ac	100		0	0	20 days	500	100	200	\$5/ac	200	
	2	100		100	\$10/ha	\$12/ha	\$12.5/ha	40 days		150	200	\$5/ac	250	
	3	100	\$2/ac	100		\$12/ha	\$12.5/ha	40 days	500	200	200	\$5/ac	300	
	4	100	\$2/ac	200	\$20/ha	\$12/ha	\$12.5/ha	40 days		250	200	\$5/ac	350	
	5	100	\$2/ac	200		\$12/ha	\$12.5/ha	60 days	500	300	200	\$5/ac	400	
	6	100	\$2/ac	200	\$15/ha	\$12/ha	\$12.5/ha	—		300	200	— <sup>4</sup>	600	
	7	100	\$2/ac	200	\$15/ha	\$12/ha	\$12.5/ha	—	750	300	200	— <sup>4</sup>	600	
	8	100	\$2/ac	200	\$10/ha <sup>1</sup>	\$12/ha	\$12.5/ha	—		300	200	— <sup>4</sup>	600	
	9	100	\$2/ac	200	\$10/ha <sup>1</sup>	\$12/ha	\$12.5/ha	—	750	300	— <sup>4</sup>	— <sup>4</sup>	600	
	10	100	\$2/ac	200	\$10/ha <sup>1</sup>	\$12/ha	\$12.5/ha	—		300	— <sup>4</sup>	— <sup>4</sup>	600	
<b>PART B</b>														<b>AVG.</b>
Required work converted to \$40/ac or 16 ha	YR 1	77.5	80	64	53.3	0	0	—	250	100	200	200	200	111.3
	2	77.5	80	64	53.3	192	200	—	250	150	200	200	250	156.1
	3	77.5	80	64	53.3	192	200	—	250	200	200	200	300	165.2
	4	77.5	80	128	160	192	200	—	250	250	200	200	350	189.8
	5	77.5	80	128	160	192	200	—	250	300	200	200	400	198.9
	6	77.5	80	128	240	192	200	—	250	300	200	—	600	226.7
	7	77.5	80	128	240	192	200	—	375	300	200	—	600	239.2
	8	77.5	80	128	160	192	200	—	375	300	200	—	600	231.2
	9	77.5	80	128	160	192	200	—	375	300	—	—	600	234.7
	10	77.5	80	128	160	192	200	—	375	300	—	—	600	234.7
AVERAGE YRS 1-10		77.5	80	108.8	144	172.8	180	—	300	250	200	200	450	198.8

1. Maximum claim life is less than 10 years. Required work for a lease is used.  
 2. Data for a claim staked in unsurveyed land.  
 3. In surveyed territory.  
 4. Not specified. At Minister's discretion.

Figure 5. Summary of Fees

	YUKON	N.W.T.	B.C.	ALTA.	SASK.	MAN.	ONT.	QUE.	N.B.	N.S.	P.E.I.	NFLD.	AVG.
Individual Prosp. Licence \$/year		5.00	25.00				5.00	25.00 <sup>2</sup>	25.00 <sup>3</sup>				— <sup>1</sup>
Corporate Prosp. Licence \$/year		50.00	500.00				25,50, 100		50,75, <sup>3</sup> 300				— <sup>1</sup>
Set of claim tags \$/claim	0	1.00	2.00		2.00	2.00	0	1.00	2.00			3.00	1.44
\$ per 40 ac or 16 ha	Record grnd. claim (unit)	7.74	4.00	3.20		10.00	— <sup>1</sup>	10.00	— <sup>1</sup>	5.00		5.00	6.42
	Grant map permit (lic)				— <sup>1</sup>				— <sup>1</sup>		4.00	5.00	4.60
	Renew grnd. claim (unit)/yr	0	0	0		0	0	0	— <sup>1</sup>	12.00 <sup>4</sup>		0	
	Renew map permit (lic)/yr				0				— <sup>1</sup>		4.00	5.00	3.81
Fee to file work/yr	3.87	4.00	5.40 <sup>4</sup>	0	0	— <sup>1</sup>	0	0	0	0	0	0	
Rent: licence or lease \$/ha/yr	non- prod. tms 1 & 2 .28	2.47 max 2.47	5.00 5.00	2.50 2.50	0 5.00	7.50 5.00	.62 tm 1 N/A (patent)	— <sup>1</sup> 5.00	1.56 <sup>5</sup> 5.00	4.94 4.94	2.47 2.47	3.00 40.00	2.76 7.08

1. Data not amenable to reduction or averaging.

2. Valid for 5 years.

3. Valid for lifetime — no renewal fee.

4. Average of first 10 years.

5. Renewal fee for a claim, years 11 +.



## **DISCOVERY METHODS OF CANADIAN MINES**

The Committee of Provincial Geologists has adopted a suggestion of the Prospectors and Developers Association's Geological Survey Committee, to undertake an ongoing project of documenting the discovery methods of Canadian mines. The aim of the project is to record the discovery method, and to track any trends that may develop with time, e.g. the relative success of one method over another.

This table will be an ongoing feature of the Journal. As well as working forward year by year, we intend to work backwards, initially to 1975 in the next issue.

We welcome anecdotes on mines discoveries from our readers.

## DISCOVERY METHODS FOR CANADIAN METAL MINES THAT OPENED IN 1987

PROVINCE	SASKAT- CHEWAN	MANITOBA	ONTARIO		NEWFOUNDLAND		BRITISH COLUMBIA
MINE	STAR LAKE 21 ZONE	PUFFY LAKE MINE	BELL CREEK MINE	GOLDEN ROSE	HOPE BROOK	ST. LAWRENCE	NICKEL PLATE
DISCOVERY NEW OR OLD	NEW	OLD	OLD	OLD	NEW	OLD	OLD
DATE OF ORIGINAL DISCOVERY (REASSESSMENT)	1983	1960 (1983)	1959	1897	1983	1843 (1933), (1977-83)	1897 (1984)
TECHNIQUE OF ORIGINAL DISCOVERY (REASSESSMENT)	DRILLING	GEOPHYSICS (EM), DRILLING (DRILLING)	PROSPECTING, DRILLING	PROSPECTING, TRENCHING, DRILLING	PROSPECTING, GEOLOGICAL	PROSPECTING (DRILLING, TRENCHING, UNDERGROUND DEVELOPMENT)	PROSPECTING, GEOLOGICAL, (GEOLOGICAL, DRILLING)
DISCOVERED RESERVES	210,000 t @ 17.1 g Au/t	3.9 MILLION TONS OF 0.23 OZ./TON Au			OPEN PITTABLE: 946,900 t, 6.6 g/t Au UNDERGROUND: 2,226,900 t, 6.3 g/t Au	4,240,509 t mined to 1977	2,987,046 t 41,637,105 g Au 4,163,138 g Au
REASSESSED RESERVES			886,160 t @ 0.189 oz Au/t proven, probable	2,500,000 t @ 0.237 oz Au/t		PROVEN, PROBABLE AND POSSIBLE /N 1977, 8.09 mt with cutoff grade 35% CaF2 to 300 m depth	6,439,700 t @ 5.14 g Au/t CUT-OFF 1.7 g Au/t
1987 PRODUCTION			9558 oz Au from 55,180 t	22,502 t @ 0.087 oz Au/t	OPEN PIT 275,000 t		AUG. '87 - END '87 333,814 t MILLED
MINING TYPE	UNDER- GROUND		UNDERGROUND	UNDERGROUND	OPEN PIT 1987-88 UNDERGROUND, POST 1988	UNDERGROUND OPEN PIT	OPEN PIT
MINING RATE	200 t/day		MILLING RATE 350 tpd	MILLING RATE 400 tpd	OPEN PIT 1700 t/d UNDERGROUND 3000 t/d	NOT AVAILABLE MILL CAPACITY: 1000,000 tpy CONCENTRATE	2500 t/day
COMMODITIES	Au	Au	Au	Au	Au	F1	Au, Ag, Cu, As, Co, Bi
DEPOSIT CLASSIFICATION	VEIN		VEIN	VEIN	EPITHERMAL? SHEAR-RELATED?	VEIN	SKARN
KEY REFERENCE	SMDI 889b		METALS ECONOMICS GROUP 1988	METALS ECONOMICS GROUP 1988	MODS 110/9 AU003	MODS 1L/14 F1001-045 INCL.	MI 92H/SE-038 NMI 92H/8 - AU2