TABLE 1: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Insular Belt, B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
Tertiary								
G79JR-001	Sunro (Jordan R.)	JR	48.44	124.04	19.018 (.06)	15.624 (.10)	38.714 (.13)	
Number of deposits (n) = 1 arith. average = X					[19.018 (.06)]	[15.624 (.10)]	[38.714 (.13)]	
Number of analyses = 1 std. error mean = $S \cdot n^{-1/2}$					-----	-----	-----	
Pennsylvanian - Permian								
G79AB-001	Alpha and Beta	AB	48.73	124.09	18.882 (.07)	15.617 (.10)	38.406 (.07)	massive
G79CL-001	Cowichan Lake	CL	48.7A[4]	124.3A[4]	18.646 (.03)	15.581 (.05)	38.276 (.10)	massive
G49CL-002	Cowichan Lake	CL	48.7A[4]	124.3A[4]	18.666 (.02)	15.589 (.07)	38.396 (.10)	massive
G79CL-003	Cowichan Lake	CL	48.7A[4]	124.3A[4]	18.702 (.07)	15.546 (.10)	38.086 (.30)	massive
Average for Cowichan Lake		CL	48.7A[4]	124.3A[4]	[18.671 (.04)]	[15.572 (.07)]	[38.252 (.16)]	
G79IC-001	Iron Clad	IC	48.85	123.68	18.682 (.08)	15.581 (.09)	38.304 (.12)	disseminated[3]
G79LN-001	Lenora	LN	48.87	123.78	18.534 (.04)	15.538 (.09)	38.216 (.04)	massive
G79LN-002	Lenora	LN	48.87	123.78	18.562 (.08)	15.572 (.08)	38.230 (.09)	massive
Average for Lenora		LN	48.87	123.78	[18.548 (.06)]	[15.555 (.03)]	[38.223 (.06)]	
G79TY-001	Tyee	TY	48.87	123.78	18.558 (.08)	15.577 (.07)	38.123 (.11)	massive
G79WM-001	Western: Myra	WM	49.57	125.59	18.506 (.06)	15.579 (.04)	38.186 (.07)	massive
G79WM-002	Western: Myra Z	WM	49.57	125.59	18.488 (.07)	15.554 (.07)	38.089 (.06)	massive
G79WM-003	Western	WM	49.57	125.59	18.484 (.06)	15.551 (.09)	38.115 (.03)	massive
Average for Western		WM	49.57	125.59	[18.493 (.06)]	[15.561 (.07)]	[38.130 (.05)]	
Number of deposits (n) = 6 arith. average = x					[18.639 (.06)]	[15.577 (.08)]	[38.240 (.10)]	
Number of analyses = 11 std. error mean = $S \cdot n^{-1/2}$					0.057	0.009	0.044	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

3. Sample is galena poor and mainly pyrite and chalcopyrite.

4. Approximate location only.

TABLE 2: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Central Coast Crystalline Belt, B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
Tertiary								
G79BR-001[3]	RAF: Bear R. area	BR	55.98	129.89	19.231 (.05)	15.629 (.04)	38.712 (.07)	age uncertain
G78NC4155[4]	B.C. Molybdenum	MO	55.42	129.42	19.203 (.14)	15.637 (.10)	38.893 (.13)	K-Ar: 51 Ma
G79SR-001[3]	Packer Fraction	SR	56.11	130.02	19.155 (.08)	15.585 (.05)	38.602 (.06)	age uncertain
Number of deposits (n) = 3 arith. average = X					[19.196 (.09)]	[15.617 (.06)]	[38.736 (.09)]	
Number of analyses = 3 std. error mean = $S \cdot n^{-1/2}$					0.022	0.016	0.085	
Jurassic								
G78BV-001	Bayview	BV	55.96	129.98	18.501 (.14)	15.592 (.08)	38.213 (.08)	
G78BM-001	Big Missouri	BM	56.11	130.03	18.175 (.06)	15.521 (.06)	37.634 (.09)	
G78DV-001	Dolly Varden	DV	55.74	129.63	18.948 (.09)	15.673 (.03)	38.779 (.11)	
G78DV-002	Dolly Varden	DV	55.74	129.63	18.866 (.08)	15.628 (.11)	38.432 (.16)	
Average for Dolly Varden		DV	55.74	129.63	[18.907 (.08)]	[15.651 (.07)]	[38.605 (.14)]	
G78EC-001	Ecstall River	EC	53.87	129.51	18.303 (.04)	15.549 (.02)	37.788 (.04)	
G78ES-001[3]	Esperanza	ES	55.49	129.49	18.791 (.14)	15.617 (.05)	38.620 (.10)	
G78NC8136[4]	Galena Property	GP	55.72	129.52	18.912 (.11)	15.668 (.06)	38.784 (.20)	
G78GD-001[3]	Granduc	GD	56.21	130.33	18.722 (.11)	15.600 (.10)	38.428 (.11)	
G79HR-001[3]	Hercules (Dumas)	HR	56.16	130.05	18.753 (.07)	15.634 (.06)	39.057 (.10)	
G78HC-001	Hidden Creek	HC	55.44	129.81	18.489 (.13)	15.590 (.09)	38.380 (.11)	
G78MS-001	Mastadon	MS	55.59	129.76	18.758 (.10)	15.654 (.06)	38.546 (.10)	
G78SP-001	Sillbak-Premier	SP	56.05	130.02	18.825 (.06)	15.577 (.06)	38.357 (.07)	
G78SP-002	Sillbak-Premier	SP	56.05	130.02	18.849 (.06)	15.639 (.04)	38.551 (.10)	
G78SP-003	Sillbak-Premier	SP	56.05	130.02	18.839 (.05)	15.632 (.06)	38.475 (.07)	
G79Pr-001[3]	Sillbak-Premier	SP	56.05	130.02	18.767 (.06)	15.594 (.13)	38.494 (.08)	
Average for Sillbak-Premier		SP	56.05	130.02	[18.820 (.06)]	[15.605 (.07)]	[38.469 (.08)]	
G78TB-001	Torbrit	TB	55.69	129.49	18.844 (.11)	15.580 (.03)	38.295 (.05)	
G78TB-002	Torbrit	TB	55.69	129.49	18.856 (.10)	15.610 (.05)	38.287 (.20)	
G78NC6995	Torbrit	TB	55.69	129.49	18.918 (.05)	15.642 (.08)	38.546 (.05)	
Average for Torbrit		TB	55.69	129.49	[18.872 (.09)]	[15.611 (.05)]	[38.376 (.10)]	

G79TK-001	Tom Mackay Lake	TK			18.773	(.08)	15.600	(.10)	38.330	(.08)
G79TK-002	Tom Mackay Lake	TK			18.792	(.09)	15.589	(.10)	38.438	(.09)
Average for Tom Mackay Lake		TK			[18.782	(.08)]	[15.594	(.10)]	[38.384	(.08)]
G78NC198[4]	United Metals	UM	55.55	129.28	18.858	(.07)	15.671	(.07)	38.503	(.18)
G78UJ-001	Unuk River	UJ	56.41	130.49	18.861	(.08)	15.629	(.08)	38.373	(.15)
Number of deposits (n) = 15 arith. average = X					[18.700	(.10)]	[15.612	(.06)]	[38.411	(.11)]
Number of analyses = 22 std. error mean = $S \cdot n^{-1/2}$					0.015		0.003		0.023	

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.
2. All analyses done on galena samples unless otherwise noted.
3. Sample submitted by T. Grove, BCMOM.
4. Sample submitted by N. Carter, BCMOM.

TABLE 3: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Southern Coast Crystalline Belt, B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
Jurassic - Lower Cretaceous								
G78AL-001	Fitzsimmons Creek	AL	50.12	122.93	18.466 (.05)	15.525 (.05)	38.047 (.07)	massive
G79BF-001	Big Foot	BF	49.44	121.84	18.494 (.07)	15.525 (.04)	38.030 (.07)	stockwork
G79BF-002	Big Foot	BF	49.44	121.84	18.496 (.04)	15.550 (.10)	38.077 (.14)	stockwork
Average for Big Foot		BF	49.44	121.84	[18.495 (.06)]	[15.538 (.07)]	[38.054 (.11)]	
BRITN-493	Britannia: E Blf.	BT	49.61	123.14	18.531 (.10)	15.573 (.08)	38.097 (.08)	massive
BRITN-494	Britannia: Vict	BT	49.61	123.14	18.459 (.09)	15.556 (.08)	37.952 (.13)	massive
BRITN-495	Britannia: Vict	BT	49.61	123.14	18.524 (.05)	15.579 (.06)	38.221 (.06)	massive
BRITN-496	Britannia: Vane	BT	49.61	123.14	18.502 (.07)	15.548 (.03)	38.054 (.11)	massive
G78BT-001	Britannia: Bluff	BT	49.61	123.14	18.484 (.07)	15.521 (.07)	38.035 (.06)	massive
G78BT-002	Britannia: No 5	BT	49.61	123.14	18.544 (.08)	15.591 (.09)	38.145 (.05)	massive
G78BT-003	Britannia: No 8	BT	49.61	123.14	18.502 (.09)	15.568 (.07)	38.092 (.08)	massive
Average for Britannia		BT	49.61	123.14	[18.507 (.08)]	[15.562 (.07)]	[38.085 (.08)]	
G79HL-001	Harrison Lake	HL	49.35	121.83	18.482 (.07)	15.563 (.07)	38.043 (.10)	stockwork
G79HP-001	Hopkins	HP	49.64	123.29	18.532 (.05)	15.599 (.08)	38.093 (.12)	massive
G78LC-001	Lynn Creek	LC	49.42	123.06	18.474 (.04)	15.529 (.03)	38.028 (.15)	massive (skarn?)
G79MV-001	McVicar: Ruth	MV	49.66	123.02	18.408 (.08)	15.545 (.02)	37.976 (.09)	massive
G79MV-002	McVicar: Whistler	MV	49.66	123.02	18.467 (.07)	15.549 (.10)	38.058 (.08)	massive
Average for McVicar		MV	49.66	123.02	[18.438 (.08)]	[15.547 (.06)]	[38.017 (.09)]	
G79NA-001	Northair: Manif.	NA	50.13	123.10	18.378 (.10)	15.511 (.06)	37.960 (.07)	massive
G78NA-002	Northair: Discov.	NA	50.13	123.10	18.472 (.06)	15.537 (.05)	38.101 (.11)	massive
G78NA-003	Northair: Warman	NA	50.13	123.10	18.441 (.10)	15.517 (.08)	38.034 (.10)	massive
G78NA-004	Northair: Warman	NA	50.13	123.10	18.429 (.05)	15.527 (.07)	33.012 (.04)	vein
Average for Northair		NA	50.13	123.10	[18.430 (.08)]	[15.523 (.06)]	[38.027 (.08)]	
G78SE-003	Seneca	SE	49.32	121.95	18.312 (.10)	15.516 (.08)	37.895 (.07)	massive
G78SE-005	Seneca	SE	49.32	121.95	18.319 (.10)	15.516 (.09)	37.914 (.08)	stockwork
Average for Seneca		SE	49.32	121.95	[18.316 (.10)]	[15.516 (.08)]	[37.905 (.08)]	
G78VS-001	Van Silver: Tedi	VS	50.06	123.14	18.427 (.09)	15.556 (.07)	38.079 (.09)	disseminated
G78VS-002	Van Silver: Mill	VS	50.06	123.14	18.664 (.06)	15.552 (.08)	38.190 (.05)	vein in Tert. intr.
G78VS-005	Van Silver: Tun.	VS	50.06	123.14	18.712 (.04)	15.583 (.09)	38.223 (.12)	veinlet
G78VS-006	Van Silver: Tun.	VS	50.06	123.14	18.462 (.07)	15.519 (.08)	38.002 (.07)	disseminated
average for Van Silver		VS	50.06	123.14	[18.671 (.06)]	[15.579 (.08)]	[38.248 (.08)]	
Number of deposits (n) = 10 arith. average = X					[18.481 (.07)]	[15.541 (.06)]	[38.055 (.10)]	
Number of analyses = 26 std. error mean = $S \cdot n^{-1/2}$					0.028	0.007	0.027	

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.
2. All analyses done on galena samples unless otherwise noted.

TABLE 4: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Intermontane Belt, B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
Cretaceous - Tertiary								
G79AT-001	Atlin Ruffner	AT	59.73	133.53	19.066 (.05)	15.599 (.09)	38.580 (.11)	
G79AT-002	Atlin Ruffner	AT	59.73	133.53	19.101 (.05)	15.637 (.08)	38.718 (.09)	
Average for Atlin Ruffner		AT	59.73	133.53	[19.084 (.05)]	[15.618 (.08)]	[38.649 (.10)]	
S78GS-003	Goosley: Galena	GS	54.18	126.25	18.863 (.06)	15.577 (.07)	38.387 (.20)	K-Ar: 50MA
G78SG-002	Goosley: Main	GS	54.18	126.25	19.402 (.06)	15.661 (.06)	38.772 (.12)	
G78SG-003	Goosley: S. Tail	GS	54.18	126.25	18.860 (.05)	15.553 (.04)	38.301 (.05)	
Average for Goosley		GS	54.18	126.25	[19.042 (.06)]	[15.597 (.06)]	[38.487 (.12)]	
G79PC-036	Poplar Porphyry	PC	54.02	126.98	18.861 (.10)	15.588 (.07)	38.438 (.08)]	
Number of deposits (n) = 3 arith. average = X					[18.995 (.07)]	[15.601 (.07)]	[38.524 (.10)]	
Number of analyses = 6 std. error mean = $S \cdot n^{-1/2}$					0.068	0.009	0.064	
Jurassic								
G78AS-001	Ascott	AS	54.79	126.72	18.666 (.09)	15.592 (.07)	38.349 (.10)	
G78BK-001	Bob Creek	BK	54.30	126.60	18.834 (.09)	15.608 (.07)	38.444 (.04)	
G78DL-002	Del Santo	DL	54.65	126.70	18.643 (.08)	15.586 (.08)	38.219 (.04)	
G78TS-001	Topley Silver	TS	54.60	126.26	18.735 (.07)	15.578 (.08)	38.346 (.05)	
Number of deposits (n) = 4 arith. average = X					[18.720 (.08)]	[15.591 (.08)]	[38.340 (.06)]	
Number of analyses = 4 std. error mean = $S \cdot n^{-1/2}$					0.043	0.006	0.046	
Upper Triassic								
G78KU-001	Kutcho Ck.	KU	58.20	128.37	18.469 (.07)	15.524 (.13)	37.815 (.09)	
Number of deposits (n) = 1 arith. average = X					[18.469 (.07)]	[15.524 (.13)]	[37.815 (.09)]	
Number of analyses = 1 std. error mean = $S \cdot n^{-1/2}$					----	----	----	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE 5: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Omineca Crystalline Belt (Cariboo-Wells Camp), B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
G79AU-001	Aurum (Is Mtn)	AU	53.10	121.58	19.237 (.07)	15.759 (.04)	39.280 (.06)	
G79CC-001	Cunningham Creek	CC	52.93	121.38	19.209 (.09)	15.759 (.10)	39.233 (.10)	L.Cam? Snowshoe Schs
G79CD-001	Cedar Creek	CD	52.55	121.47	18.757 (.09)	15.584 (.08)	38.310 (.12)	
G79CG-001	Cariboo Gold Qtz	CG	53.08	121.55	19.202 (.06)	15.703 (.10)	39.198 (.02)	
G79CH-001	Cariboo Hudson	CH	52.88	121.37	19.201 (.04)	15.752 (.08)	39.258 (.08)	
G79ML-169	Maeford Lk	ML	52.83	120.87	18.344 (.05)	15.646 (.06)	37.852 (.09)	
G79ML-243	Maeford Lk	ML	52.80	120.94	18.248 (.09)	15.664 (.09)	37.861 (.05)	
Average for Maeford Lk		ML			[18.296 (.07)]	[15.655 (.08)]	[37.856 (.07)]	
G79MR-001	Mariner	MR	52.59	121.45	18.953 (.03)	15.654 (.03)	38.845 (.10)	
Number of deposits (n) = 7					arith. average = $\bar{X}$	[18.979 (.06)]	[15.695 (.08)]	[38.854 (.08)]
Number of analyses = 8					std. error mean = $S \cdot n^{-1/2}$	0.050	0.009	0.080

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE 6: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Omineca Crystalline Belt (Beaverdell Group), B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
W79BR-005	L3126,2099	BR	49.74	119.06	18.978 (.11)	15.602 (.07)	38.652 (.06)	
W79BH-020	Blacksmith	BH	49.43	119.06	18.662 (.09)	15.600 (.10)	38.653 (.09)	
W79CR-004	Carmi Dump	CR	49.49	119.12	18.655 (.09)	15.591 (.10)	38.438 (.06)	
W79DO-003	Dollar:Cranberry	DO	49.45	119.12	19.002 (.08)	15.661 (.09)	38.787 (.10)	
W79EU-002	Eugene Creek	EU	49.39	119.11	18.657 (.08)	15.595 (.06)	38.915 (.08)	
W79HG-002	Highland Lass	HG	49.43	119.06	19.015 (.15)	15.648 (.06)	38.849 (.07)	
W79HG-003	Highland Lass	HG	49.43	119.06	19.015 (.09)	15.651 (.09)	38.609 (.10)	
W79HG-004	Highland Lass	HG	49.43	119.06	19.001 (.02)	15.648 (.08)	38.829 (.09)	
W79HG-005	Highland Lass	HG	49.43	119.06	19.383 (.12)	15.613 (.15)	38.514 (.15)	
W79HG-006	Highland Lass	HG	49.43	119.06	19.027 (.09)	15.628 (.08)	38.676 (.08)	
W79HG-007	Highland Lass	HG	49.43	119.06	19.071 (.05)	15.660 (.05)	38.856 (.04)	
W79HG-008	Highland Lass	HG	49.43	119.06	18.583 (.06)	15.603 (.04)	38.412 (.08)	
Average for Highland Lass		HG	49.43	119.06	[19.014 (.08)]	[15.636 (.08)]	[38.678 (.09)]	
W79NB-007	New Beaver	NB	49.43	119.06	18.993 (.05)	15.596 (.05)	38.703 (.07)	
W79NB-017	New Beaver	NB	49.43	119.06	18.973 (.09)	15.574 (.08)	38.723 (.10)	
Average for New Beaver		NB	49.43	119.06	[18.983 (.07)]	[15.585 (.06)]	[38.713 (.08)]	
W79PU-001	Pueblo Fraction	PU	49.43	119.06	18.981 (.01)	15.639 (.11)	38.742 (.06)	
W79ZS-001	Sally Shaft	ZS	49.43	119.07	18.969 (.03)	15.618 (.04)	38.695 (.05)	
Number of deposits (n) = 9		arith. average = X			[18.878 (.07)]	[15.614 (.08)]	[38.697 (.07)]	
Number of analyses = 17		std. error mean = $S \cdot n^{-1/2}$			0.018	0.003	0.014	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE 7: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Selwyn Basin, B.C.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
Devonian - Mississippian								
G78AK-001	Alcock	AK	57.67	125.42	18.984 (.09)	15.764 (.08)	39.561 (.09)	
G79BY-001	Boya Prospect	BY	59.25	127.50	19.560 (.07)	15.710 (.08)	39.689 (.08)	Qzmz Porp
G78CQ-001	Cirque	CQ	57.52	125.12	18.795 (.08)	15.689 (.08)	39.166 (.08)	
G78DC-001	Driftpile Creek	DC	58.07	125.92	18.864 (.07)	15.666 (.07)	39.093 (.05)	
G78DC-002	Driftpile Creek	DC	58.07	125.92	18.860 (.09)	15.686 (.06)	39.202 (.10)	
G78DC-003	Driftpile Creek	DC	58.07	125.92	18.852 (.08)	15.655 (.06)	39.043 (.13)	
Average for Driftpile Creek		DC	58.07	125.92	[18.859 (.08)]	[15.669 (.06)]	[39.113 (.09)]	
G78EF-001	Elf	EF	57.42	124.72	18.834 (.09)	15.661 (.09)	39.310 (.04)	
G78FK-001	Fluke	FK	57.42	124.87	18.846 (.03)	15.714 (.04)	39.477 (.06)	
G79PI-001	Pie Showing	PI	57.45	124.78	18.888 (.03)	15.739 (.10)	39.526 (.09)	Dev-Mis Gunsteel (Rio)
G79RG-001	Rough	RG	58.27	126.17	18.709 (.03)	15.617 (.07)	38.548 (.11)	
Number of deposits (n) = 8		arith. average = X			[18.834 (.07)]	[15.695 (.08)]	[39.299 (.08)]	
Number of analyses = 10		std. error mean = $S \cdot n^{-1/2}$			0.033	0.006	0.045	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE A: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Insular Belt, Alaska and Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
Alaskan Panhandle								
S78LP-003	La Pelouse	LP	58.60	136.93	19.277 (.10)	15.638 (.14)	38.883 (.12)	Massive Cu-Ni in UMF
S78MG-001	Margerie Glacier	MG	59.02	137.07	19.038 (.05)	15.579 (.05)	38.586 (.08)	Porph; 20-25 Ma
S78OP-001	Orange Point	OP	58.90	137.00	18.294 (.09)	15.520 (.03)	37.967 (.06)	Volcanogenic?
S78OP-002	Orange Point	OP	58.90	137.00	18.321 (.11)	15.613 (.09)	37.961 (.16)	
Average for Orange Point		OP	58.90	137.00	[18.308 (.10)]	[15.566 (.06)]	[37.964 (.11)]	250-290 Ma
S78TI-001	Tarr Inlet Knob	TI	59.02	137.00	19.024 (.08)	15.564 (.09)	38.439 (.18)	Porph? 20-25 Ma?
St. Elias, Y.T.								
10099-001	Cub Creek	99	61.85	138.18	19.609 (.08)	15.683 (.07)	39.814 (.05)	Float Specimen
10099-002	Cub Creek	99	61.85	138.18	18.797 (.05)	15.584 (.10)	38.369 (.06)	Float Specimen
Average for Cub Creek		99	61.85	138.18	[19.193 (.06)]	[15.634 (.08)]	[39.092 (.06)]	
Number of deposits (n) = 5	arith. average = X				[18.968 (.08)]	[15.596 (.09)]	[38.593 8.119]	
Number of analyses = 7	std. error mean = $S \cdot n^{-1/2}$				0.077	0.007	0.087	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE B: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Yukon Crystalline Platform, Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
10072-001	Deb	72	60.35	135.85	19.101 (.06)	15.644 (.08)	38.852 (.09)	Skarn
10074-001	Casino:C-Trench	74	62.73	138.82	19.212 (.06)	15.612 (.06)	38.765 (.06)	Porphyry Cu-Mo-W-Ag
10074-002	Casino:C-Trench	74	62.73	138.32	19.282 (.08)	15.668 (.09)	39.101 (.08)	Au system related
10074-003	Casino:C-Trench	74	62.73	138.82	19.046 (.04)	15.617 (.09)	38.746 (.09)	to K-Ar 70 Ma
10074-004	Casino:Bomber	74	62.72	138.83	19.203 (.10)	15.648 (.06)	38.840 (.14)	intrusive
10074-005	Casino:Porphyry	74	62.73	138.84	19.239 (.06)	15.626 (.05)	38.761 (.04)	
10074-006	Casino:Porphyry	74	62.73	138.84	19.266 (.07)	15.631 (.06)	38.804 (.05)	
10074-007	Casino:Bomber	74	62.72	138.83	19.240 (.06)	15.625 (.07)	39.910 (.06)	
Average for Casino		74	62.72	138.83	[19.212 (.07)]	[15.632 (.07)]	[38.990 (.07)]	
10075-001	Mosquito	75	63.92	140.72	19.190 (.07)	15.712 (.10)	39.214 (.18)	
10079-001	Ram	79	60.20	135.73	19.176 (.10)	15.634 (.10)	38.857 (.12)	Skarn, Zn-Pb-Ag
10079-002	Ram	79	60.20	135.73	19.151 (.09)	15.737 (.05)	39.327 (.06)	near 54 Ma K-Ar
Average for Ram		79	60.20	135.73	[19.164 (.10)]	[15.686 (.08)]	[39.092 (.09)]	stock. Host schs >1200 Ma (Rb-Sr)
10103-001	Red Fox	103	62.30	137.16	19.120 (.07)	15.579 (.10)	38.766 (.10)	GSC Sample
10104-001	Tinta Hill	104	62.28	136.97	19.200 (.10)	15.650 (.10)	38.814 (.10)	Vein, Au-Ag-Pb-Zn
10104-002	Tinta Hill	104	62.28	136.97	19.162 (.09)	15.607 (.11)	38.808 (.08)	Host trs grdr
Average for Tinta Hill		104	62.28	136.97	[19.181 (.10)]	[15.628 (.10)]	[38.811 (.09)]	GSC Sample
10105-001	Orekon Syndic	105	63.88	138.92	19.814 (.10)	15.745 (.08)	39.328 (.16)	King Sol Dome (GSC)
10106-001	Connaught	106	63.92	140.72	19.303 (.06)	15.559 (.12)	39.028 (.09)	GSC Sample
10107-001	Silver City	107	64.32	139.83	19.197 (.05)	15.681 (.11)	39.110 (.10)	Pb-Zn in qz-carb rx
10108-001	Venus	108	60.02	134.64	19.116 (.09)	15.617 (.08)	38.642 (.10)	Au-Ag v, 70 Ma Grnt
Number of deposits (n) = 10 arith. average = X					[19.240 (.08)]	[15.648 (.09)]	[38.983 (.11)]	
Number of analyses = 18 std. error mean = $S \cdot n^{-1/2}$					0.023	0.006	0.021	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE C: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Omineca Belt (Pelly Mountains), Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
10059-001	Joe	59	61.33	131.50	18.632 (.03)	15.631 (.07)	38.582 (.16)	Mis Rhyl
10060-001	Cyr	60	61.33	131.32	18.424 (.12)	15.664 (.10)	38.473 (.09)	Cam-Ord Meta Qzit
10061-001	BNOB	61	61.58	132.50	18.661 (.09)	15.632 (.10)	38.503 (.08)	Dev-Mis Tuff
10062-001	Chzerpnough	62	61.60	132.43	18.688 (.03)	15.585 (.08)	38.494 (.08)	Dev-Mis Tuff
10065-001	Dev	65	62.17	133.48	18.537 (.07)	15.676 (.06)	38.625 (.04)	Dev? Carb
10066-001	J.A.	66	62.07	133.15	18.798 (.08)	15.62 (.20)	38.79 (.50)	Cam-Ord Slst
10067-001	Sunset	67	62.05	133.05	18.656 (.08)	15.687 (.09)	38.583 (.14)	Cam-Ord Slst
10088-001	MM (77MM01)	88	61.45	132.63	18.716 (.04)	15.621 (.08)	38.560 (.12)	
10088-002	MM (Outcrop)	88	61.45	132.63	18.659 (.03)	15.634 (.04)	38.589 (.11)	
10088-711	MM	88	61.45	132.63	18.669 (.05)	15.674 (.09)	38.624 (.11)	
10088-736	MM	88	61.45	132.63	18.709 (.09)	15.687 (.03)	38.653 (.10)	
10088-833	MM	88	61.45	132.63	18.523 (.05)	15.643 (.10)	38.469 (.11)	
Average for MM		88	61.45	132.63	[18.655 (.05)]	[15.652 (.07)]	[38.179 (.11)]	
10090-001	Howru	90	68.58	132.08	18.487 (.10)	15.644 (.08)	38.601 (.09)	
Number of deposits (n) = 9					arith. average = $\bar{X}$	[18.615 (.08)]	[15.643 (.09)]	[38.537 (.14)]
Number of analyses = 13					std. error mean = $S \cdot n^{-1/2}$	0.013	0.003	0.018

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE D: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Silver Bearing Deposits, Selwyn Basin and Pelly Platform[2], Y.T.

Sample Number[5]	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
10016-001*	Gremlin	16	65.18	134.63	19.477 (.20)	15.692 (.10)	39.208 (.40)	HEL Cong, sand
10042-014*	Profeit	42	64.82	133.55	19.182 (.08)	15.671 (.04)	39.566 (.09)	U. Had Dolm
10063-001*	Angie	63	61.85	132.53	19.122 (.12)	15.680 (.05)	39.020 (.15)	DEV lims, Pelly Plat.
10068-001	Mat Cr.	68	61.53	132.63	19.477 (.10)	15.711 (.07)	39.683 (.04)	U.Dev-Mis Volc
10068-002	Mat Cr.	68	61.53	132.63	19.495 (.10)	15.679 (.09)	39.646 (.09)	
Average for Mat Cr.*		68	61.53	132.63	[19.486 (.10)]	[15.695 (.08)]	[39.664 (.06)]	
10071-001*	Spotted Fawn	71	64.37	138.70	19.216 (.04)	15.681 (.07)	39.071 (.05)	Pal-Mes Qzit
10076-001*	Tombstone I	76	64.40	138.69	19.329 (.10)	15.700 (.07)	39.260 (.11)	K-Ar SYEN, 85 Ma
10076-002*	Tombstone II	76	64.40	138.66	19.055 (.07)	15.666 (.10)	38.920 (.04)	50 ppm U, 50 ppm Th
10076-003*	Tombstone III	76	64.39	138.64	19.483 (.08)	15.706 (.05)	39.606 (.09)	
Average for Tombstone		76			[19.279 (.08)]	[15.691 (.07)]	[39.262 (.08)]	
10081-001	Ketza R. (K-18B)	81	61.55	132.19	19.502 (.09)	15.731 (.09)	39.765 (.10)	DEV-MIS Shal
10081-002	Ketza R. (K-18B)	81	61.55	132.19	19.392 (.19)	15.745 (.09)	39.873 (.20)	Pelly Platform
10081-003	Ketza R. (A-1)	81	61.53	132.16	19.516 (.10)	15.740 (.09)	39.694 (.18)	
10081-004	Ketza R. (Canyn)	81	61.55	132.18	19.478 (.09)	15.725 (.09)	39.621 (.11)	
10081-005	Ketza R. (K-18C)	81	61.55	132.19	19.481 (.11)	15.729 (.05)	39.673 (.11)	
10081-006	Ketza R. (F-3)	81	61.54	132.17	19.451 (.09)	15.718 (.09)	39.679 (.11)	
10081-007	Ketza R. (F-1)	81	61.55	132.18	19.468 (.11)	15.726 (.10)	39.770 (.18)	
10081-008	Ketza R. (Float)	81	61.55	132.19	19.469 (.09)	15.710 (.06)	39.655 (.11)	
10081-009	Ketza R. (STF)	81	61.55	132.19	19.482 (.08)	15.726 (.11)	39.632 (.05)	
10081-010	Ketza R. (STF)	81	61.55	132.19	19.468 (.11)	15.756 (.07)	39.700 (.09)	
10081-011	Ketza R. (K-18)	81	61.55	132.15	19.366 (.06)	15.618 (.11)	39.432 (.09)	
10081-012	Ketza R. (K-18)	81	61.55	132.15	19.440 (.10)	15.733 (.04)	39.636 (.10)	
Average for Ketza R.*		81			[19.459 (.10)]	[15.721 (.08)]	[39.678 (.12)]	
10083-001	Prism:Val,Tetrah'	83	64.26	133.69	20.903 (.10)	15.844 (.08)	41.800 (.15)	HEL Dolm
10083-002	Prism:Val,Hills'd	83	64.25	133.69	20.988 (.08)	15.828 (.10)	42.184 (.15)	HEL Dolm
10083-003	Prism:Val,Lit'rd'	83	64.26	133.71	21.207 (.06)	15.884 (.13)	42.594 (.11)	HEL Dolm
Average for Val (n=3)*		83			[21.033 (.08)]	[15.852 (.10)]	[42.193 (.14)]	
10083-004*	Prism:North Val	83	64.27	133.71	21.994 (.07)	15.958 (.07)	43.722 (.09)	HEL Dolm
10083-005	Prism:Vera	83	64.44	133.68	21.055 (.05)	15.846 (.08)	42.263 (.07)	HEL Dolm
10083-006	Prism:Vera Tr.2	83	64.26	133.69	21.152 (.09)	15.907 (.05)	42.490 (.10)	HEL Dolm
Average for Vera (n=2)*		83			[21.104 (.07)]	[15.876 (.06)]	[42.376 (.08)]	
10083-007*	Prism:Zap	83	64.27	134.03	20.263 (.07)	15.844 (.08)	41.074 (.14)	HEL Dolm

Average for Prism (n=4)	83			[21.098 (.07)]	[15.582 (.08)]	[42.341 (.11)]	
10084-001* A+B	84	60.12	130.43	19.516 (.08)	15.714 (.07)	39.657 (.11)	CAM Phyl, Pelly Plat
10085-001* Peso: Vein	85	64.00	135.95	19.245 (.10)	15.698 (.09)	39.421 (.07)	
10085-002* Peso: Rex	85	64.00	135.90	21.090 (.08)	15.853 (.10)	41.109 (.08)	
Average for Peso	85	64.00		[20.163 (.09)]	[15.776 (.10)]	[40.265 (.08)]	
10086-001 Calumet	86	63.92	135.39	19.146 (.08)	15.684 (.07)	39.209 (.04)	Galena Hill area
10086-010 Hector-Calumet	86	63.92	135.39	19.085 (.10)	15.670 (.11)	38.960 (.20)	K-Ar GRDR 80-90 Ma
Average for Hector-Calumet	86			[19.116 (.09)]	[15.677 (.09)]	[39.084 (.12)]	Qzit-schs of Paleozoic or Mesozoic age
10086-002 Elsa	86	63.91	135.48	19.144 (.09)	15.672 (.09)	39.116 (.04)	
10086-007 Elsa:Ftwal Bray	86	63.91	135.48	19.155 (.09)	15.662 (.11)	39.157 (.09)	
10086-008 Elsa:Hnwal Bray	86	63.91	135.48	19.136 (.07)	15.650).05)	39.214 (.05)	
Average for Elsa	86			[19.145 (.08)]	[15.661 (.08)]	[39.162 (.06)]	
10086-004 Silver King	86	63.90	135.57	19.144 (.04)	15.713 (.10)	39.445 (.08)	
10086-005 Silver King	86	63.90	135.57	19.098 (.09)	15.656 (.06)	39.126 (.11)	
10086-016 Silver King	86	63.90	135.57	19.218 (.05)	15.646 (.08)	39.214 (.08)	
Average for Silver King	86			[19.153 (.06)]	[15.672 (.08)]	[39.330 (.09)]	
10086-006 Paddy	86	63.9A	135.AA	19.038 (.12)	15.705 (.07)	38.980 (.14)	
10086-009 Ruby	86	63.91	135.43	19.111 (.06)	15.648 (.09)	39.004 (.18)	
10086-011 Bermingham Pit	86	63.91	135.43	19.132 (.09)	15.712 (.09)	39.375 (.13)	
10086-012 Husky	86	63.92	135.48	19.136 (.06)	15.626 (.04)	39.073 (.08)	
10086-013 Husky	86	63.92	135.48	19.118 (.05)	15.645 (.02)	39.193 (.10)	
10086-014 Husky	86	63.92	135.48	19.126 (.03)	15.651 (.05)	39.145 (.07)	
10086-015 Husky	86	63.92	135.48	19.152 (.11)	15.664 (.08)	39.188 (.06)	
Average for Husky	86			[19.133 (.06)]	[15.646 (.05)]	[39.157 (.06)]	
Average for Galena Hill area*	86			[19.118 (.08)]	[15.674 (.08)]	[39.156 (.11)]	
10086-017 Keno	86	63.94	135.94	19.187 (.04)	15.648 (.07)	39.191 (.13)	Qzit
10086-018 Stone	86	63.96	135.23	19.179 (.10)	15.655 (.12)	39.260 (.12)	Schs-Gren
10086-019 Ladue	86	63.96	135.28	19.320 (.05)	15.675 (.06)	39.380 (.14)	Schs-Gren
10086-020 Shamrock	86	63.94	135.24	19.234 (.08)	15.684 (.10)	39.346 (.03)	Qzit
10086-021 Keno	86	63.9A*	135.9A*	19.179 (.05)	15.682 (.06)	39.274 (.08)	Veinlets
10086-022 Keno	86	63.9A*	135.9A*	19.140 (.07)	15.661 (.04)	39.225 (.10)	Dissem.
Average for Keno Hill area*	86			[19.206 (.07)]	[15.668 (.08)]	[39.279 (.10)]	
10087-001* Stand-To Mtn.	87	64.03	135.17	19.545 (.05)	15.739 (.02)	39.820 (.10)	
10097-001 Plata:No.2	97	63.58	132.03	19.397 (.09)	15.716 (.07)	39.513 (.07)	Had Qzit
10097-002 Plata:No.6	97	63.58	132.03	19.403 (.07)	15.707 (.07)	39.510 (.08)	Had Qzit
10097-005 Plata:No.2	97	63.58	132.03	19.418 (.09)	15.701 (.08)	39.395 (.07)	Had Qzit
Average for Plata:No. 2 & 6	97			[19.406 (.08)]	[15.708 (.07)]	[39.473 (.07)]	

10097-003	Plata:Thrust	97	63.58	132.03	19.199	(.03)	15.674	(.10)	39.300	(.09)	In thrust:Had-U. Dev
10097-004	Plata:Inca	97	63.58	132.03	19.425	(.06)	15.686	(.05)	39.482	(.14)	Had Qzit
Average for Plata (n=5)*		97			[19.368	(.07)]	[15.697	(.07)]	[39.440	(.09)]	
10102-001	Logtung Darva Ven	102	60.02	131.63	19.195	(.07)	15.641	(.06)	38.857	(.06)	1.7km NE of main show
10102-002	Logtung W Deposit	102	60.02	131.63	19.328	(.07)	15.714	(.09)	39.495	(.06)	0.7km NE of main show
Average for Logtung Area*		102	60.02	131.63	[19.262	(.07)]	[15.678	(.08)]	[39.176	(.06)]	
2077-001*	Mt. Christie	77	63.03	129.53	19.611	(.07)	15.708	(.10)	39.093	(.06)	GSC Sample
20078-001*	O'Grady	78	62.92	128.84	19.192	(.08)	15.684	(.09)	39.239	(.09)	GSC Sample
Number of deposits (n) = 23 arith. average = X					[19.711	(.08)]	[15.733	(.08)]	[39.946	(.11)]	
Number of analyses = 62 std. error mean = $S \cdot n^{-1/2}$					0.035		0.004		0.055		

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.
2. All analyses done on galena samples unless otherwise noted.
3. Analyses from Pelly Platform are identified in "Remarks".
4. Approximate location only.
5. Data used in determining arith. average and slope of best fit line are marked with an asterisk "*".

TABLE E: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Shale Hosted Deposits, Eastern Fold Belt, Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
10001-004	Carne/Eg	01	64.85	133.13	17.933 (.07)	15.587 (.10)	37.841 (.09)	HAD Shal
10016-001	Gremlin	16	65.18	134.63	19.477 (.20)	15.692 (.10)	39.208 (.40)	HEL Shal
10023-001	Dem	23	64.80	139.75	18.823 (.07)	15.670 (.07)	38.818 (.08)	HEL Shal
10052-001	Cloe	32	65.20	134.70	18.694 (.10)	15.703 (.06)	38.680 (.10)	HEL Shal
10052-002	Mel	52	60.35	127.42	19.652 (.08)	15.779 (.05)	39.940 (.09)	U. Cam? Conformable
10052-005	Mel	52	60.35	127.42	18.649 (.08)	15.667 (.04)	38.595 (.07)	with: Phyl, Shal,
Average for Mel		52	60.35	127.42	[19.151 (.08)]	[15.723 (.04)]	[39.268 (.08)]	Lims
10064-001	Kate	64	62.25	130.68	18.712 (.17)	15.720 (.10)	38.874 (.08)	Ord-Sil Qzit, Shal
10077-001	Jason N. Zone	77	63.15	130.25	18.737 (.10)	15.646 (.12)	39.651 (.30)	Dev-Mis Shal
10077-002	Jason N. Zone	77	63.15	130.25	18.667 (.07)	15.649 (.09)	38.501 (.08)	Dev-Mis
10077-003	Jason N. Zone	77	63.15	130.25	18.661 (.08)	15.664 (.10)	38.609 (.02)	Dev-Mis
10077-004	Jason S. Zone	77	63.15	130.25	18.696 (.09)	15.693 (.08)	38.820 (.10)	Dev-Mis
10077-005	Jason S. Zone	77	63.15	130.25	18.705 (.03)	15.678 (.05)	38.732 (.02)	Dev-Mis
Average for Jason		77	63.15	130.25	[18.695 (.07)]	[15.666 (.09)]	[38.863 (.10)]	Dev-Mis
10078-001	Tom	78	63.17	130.15	18.654 (.09)	15.639 (.08)	38.771 (.02)	Dev-Mis Shal
10078-002	Tom	78	63.17	130.15	18.655 (.08)	15.666 (.05)	38.656 (.05)	Dev-Mis
10078-003	Tom	78	63.17	130.15	18.633 (.08)	15.636 (.07)	38.536 (.12)	Dev-Mis
10078-004	Tom	78	63.17	130.15	18.673 (.07)	15.691 (.04)	38.704 (.06)	Dev-Mis
10078-005	Tom	78	63.17	130.15	18.695 (.08)	15.727 (.06)	38.892 (.10)	Dev-Mis
Average for Tom		78	63.17	130.15	[18.662 (.08)]	[15.672 (.06)]	[38.712 (.07)]	Dev-Mis
10091-001	Howards Pass-XY	91	62.47	129.18	18.590 (.10)	15.621 (.10)	38.592 (.09)	Ord Shal
10091-002	Howards Pass-AN	91	62.47	129.18	18.602 (.10)	15.657 (.08)	38.583 (.11)	
10091-003	Howards Pass-OP	91	62.47	129.18	18.553 (.08)	15.630 (.04)	38.561 (.08)	
Average for Howards Pass		91	62.47	129.18	[18.582 (.09)]	[15.636 (.07)]	[38.579 (.09)]	
10096-001	Pas: Hole 1	96	62.48	129.23	18.618 (.07)	15.698 (.09)	38.536 (.04)	Ord Shal
10096-002	Pas: Hole 2	96	62.48	129.23	18.620 (.09)	15.681 (.08)	38.615 (.09)	
Average for Pas		96	62.48	129.23	[18.619 (.08)]	[15.689 (.08)]	[38.576 (.09)]	
20016-001	Tap	16	63.95	129.13	18.440 (.08)	15.665 (.10)	38.511 (.07)	Ord Shal
20017-007	Keg	17	64.00	129.23	18.907 (.10)	15.741 (.09)	39.086 (.11)	Ord Shal
20029-002	Sonnendrucker	29	64.83	131.50	18.477 (.08)	15.637 (.10)	38.683 (.07)	Ord-Sil Shal
20065-003	Show: 106/B/14W	65	64.8A[3]	131.2A[3]	18.586 (.06)	15.739 (.06)	38.983 (.05)	Ord-Sil Shal

20066-001	Show: 106/B/07W	66	64.4A³	130.8A³	19.581	(.08)	15.754	(.09)	39.372	(.11)	Dev-Mis Shal
20066-003	Show: 106/B/07W	66	64.4A³	130.8A³	19.227	(.07)	15.690	(.04)	38.914	(.11)	Dev-Mis
Average for Show: 106/B/07W		66	64.4A³	130.8A³	[19.454	(.08)]	[15.722	(.06)]	[39.143	(.11)]	Dev-Mis
20068-007	Show: 106/B/10W	66	64.6A³	130.8A³	18.543	(.07)	15.692	(.05)	38.655	(.06)	Ord-Sil Shal
20072-001	Show: 106/B/11W	72	64.5A³	131.3A³	18.799	(.04)	15.798	(.02)	38.695	(.03)	L. Cam Shal
Number of deposits (n) = 17	arith. average = X				[18.738	(.09)]	[15.691	(.07)]	[38.775	(.10)]	
Number of analyses = 30	std. error mean = $S \cdot n^{-1/2}$				0.090		0.012		0.081		

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

3. Approximate location only.

TABLE F: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Volcanogenic and Related Deposits, Selwyn Basin, Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
10069-001	Maxi	69	61.63	129.17	18.749 (.10)	15.726 (.06)	38.843 (.07)	Cam-Ord? Phyl
10073-001	Matt-Berry	73	61.47	129.40	18.689 (.07)	15.698 (.06)	38.576 (.08)	
10080-001	Pelly	80	62.03	132.12	19.413 (.05)	15.771 (.03)	39.524 (.07)	
10082-001	Hart River	82	64.63	136.87	18.521 (.08)	15.453 (.07)	38.458 (.13)	Hel
10082-100	Hart River	82	64.63	136.87	18.517 (.12)	15.457 (.09)	38.290 (.12)	Hel
Average for Hart River		82	64.63	136.87	[18.519 (.10)]	[15.455 (.08)]	[38.374 (.12)]	Hel
10084-001	A+B	84	60.12	130.43	19.516 (.08)	15.714 (.07)	39.657 (.11)	Cam Phyl
10089-001	McMillan	89	60.50	127.93	20.098 (.06)	15.820 (.09)	39.889 (.16)	Had
10092-001	Grum: Grab sample	92	62.27	133.23	18.846 (.10)	15.717 (.08)	38.899 (.03)	
10092-048	Grum-Hole A135-52	92	62.27	133.23	18.446 (.05)	15.688 (.13)	38.607 (.15)	
10092-135	Grum-Hole A135-80	92	62.27	133.23	18.409 (.10)	15.646 (.09)	38.291 (.06)	
10092-151	Grum-Hole A135-143	92	62.27	133.23	18.405 (.10)	15.686 (.10)	38.347 (.09)	
10092-332	Grum-Hole U21-15	92	62.27	133.23	18.401 (.09)	15.691 (.09)	38.227 (.11)	
10092-333	Grum-Hole U21-41	92	62.27	133.23	18.375 (.10)	15.642 (.07)	38.320 (.13)	
10092-343	Grum-Hole U10-10	92	62.27	133.23	18.479 (.10)	15.711 (.07)	38.383 (.01)	
10092-491	Grum-Hole U72-125	92	62.27	133.23	18.403 (.08)	15.643 (.09)	38.342 (.09)	
Average for Grum		92	62.27	133.23	[18.470 (.09)]	[15.678 (.09)]	[38.427 (.08)]	
10093-001	Pike	93	62.18	130.65	19.324 (.06)	15.731 (.11)	39.428 (.10)	
10094-001	Pay	94	61.98	130.50	18.672 (.05)	15.704 (.12)	38.788 (.05)	
10095-001	Nar	95	62.03	129.84	19.324 (.12)	15.722 (.09)	39.460 (.09)	
10100-001	Hoo	100	61.53	131.55	18.933 (.08)	15.705 (.08)	38.804 (.10)	
10100-001	Hoo (repeated)	100	61.53	131.55	18.877 (.07)	15.698 (.07)	38.651 (.05)	
Average for Hoo		100	61.53	131.55	[18.905 (.08)]	[15.702 (.08)]	[38.728 (.08)]	
10109-001	DY	109	62.23	133.20	18.419 (.10)	15.610 (.08)	38.322 (.11)	
10109-002	DY	109	62.23	133.20	18.431 (.04)	15.644 (.05)	38.384 (.03)	
10109-003	DY	109	62.23	133.20	18.431 (.10)	15.676).09)	38.377 (.18)	
10109-004	DY	109	62.23	133.20	18.383 (.03)	15.660 (.20)	38.338 (.01)	
10109-005	DY	109	62.23	133.20	18.411 (.06)	15.685 (.06)	38.385 (.10)	
10109-006	DY	109	62.23	133.20	18.396 (.10)	15.658 (.06)	38.515 (.07)	
10109-007	DY	109	62.23	133.20	18.411 (.07)	15.650 (.07)	38.332 (.07)	
10109-008	DY	109	62.23	133.20	18.379 (.10)	15.591 (.11)	38.195 (.07)	
10109-009	DY	109	62.23	133.20	18.473 (.08)	15.662 (.05)	38.483 (.17)	
10109-010	DY	109	62.23	133.20	18.424 (.07)	15.655 (.06)	38.327 (.10)	

10109-011	DY	109	62.23	133.20	18.389	(.06)	15.633	(.05)	38.305 (.05)	
10109-012	DY	109	62.23	133.20	18.417	(.11)	15.648	(.11)	38.338 (.19)	
10109-013	DY	109	62.23	133.20	18.389	(.09)	15.650	(.08)	38.404 (.08)	
10109-014	DY	109	62.23	133.20	18.403	(.09)	15.648	(.09)	38.415 (.07)	
10109-015	DY	109	62.23	133.20	18.404	(.11)	15.599	(.10)	38.268 (.03)	
10109-016	DY	109	62.23	133.20	18.407	(.10)	15.661	(.04)	38.193 (.10)	
10109-017	DY	109	62.23	133.20	18.411	(.09)	15.672	(.07)	38.464 (.13)	
10109-018	DY	109	62.23	133.20	18.390	(.02)	15.628	(.06)	38.307 (.08)	
10109-019	DY	109	62.23	133.20	18.451	(.07)	15.655	(.10)	38.539 (.10)	
10109-020	DY	109	62.23	133.20	18.465	(.05)	15.679	(.10)	38.438 (.10)	
10109-021	DY	109	62.23	133.20	18.376	(.25)	15.643	(.18)	38.336 (.02)	
10109-022	DY	109	62.23	133.20	18.386	(.10)	15.665	(.09)	38.241 (.08)	
Average for DY		109	62.23	133.20	[18.411	(.09)]	[15.649	(.09)]	[38.360 (.09)]	
20076-001	Vulcan: 105/I/08	76	62.31	128.21	18.769	(.10)	15.737	(.10)	38.956 (.10)	M. Ord? Shal. (UBC)
20076-002	Vulcan: 105/I/08	76	62.31	128.21	18.814	(.08)	15.671	(.10)	39.465 (.10)	M. Ord? Shal. (UBC)
20076-003	Vulcan: 105/I/08	76	62.31	128.21	18.840	(.09)	15.730	(.03)	38.878 (.09)	M. Ord? Shal. (UBC)
20076-V-1	V-1	76	62.31	128.21	18.876	(.05)	15.674	(.06)	39.191 (.06)	M. Dev-Sil Shal(Rio)
20076-V-2	V-2	76	62.31	128.21	18.880	(.07)	15.690	(.02)	39.279 (.07)	M. Dev-Sil Shal(Rio)
20076-V-3	V-3	76	62.31	128.21	18.868	(.07)	15.670	(.11)	39.279 (.07)	M. Ord? Dolm. (Rio)
20076-V-4	V-4	76	62.31	128.21	18.807	(.10)	15.681	(.08)	38.839 (.12)	M. Ord? Dolm. (Rio)
20076-V-5	V-5	76	62.31	128.21	18.859	(.10)	15.723	(.05)	38.977 (.12)	Sil. Shal-Cher (Rio)
20076-V-6	V-6	76	62.31	128.21	18.842	(.07)	15.725	(.07)	39.195 (.12)	M. Ord-Sil? Dolm-Cher
20076-V-7	V-7	76	62.31	128.21	18.866	(.07)	15.729	(.07)	39.011 (.11)	Sil? Shal (Rio)
20076-V-8	V-8	76	62.31	128.21	18.810	(.08)	15.696	(.10)	38.916 (.07)	Sil? Shal-Cher (Rio)
Average for Vulcan		76	62.31	128.21	[18.839	(.08)]	[15.702	(.08)]	[39.094 (.10)]	
Number of deposits (n) = 13 arith. average = X					[18.841	(.08)]	[15.698	(.08)]	[38.858 (.09)]	
Number of analyses = 53 std. error mean = $S \cdot n^{-\frac{1}{2}}$					0.065		0.006		0.069	

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE G: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Deposits Hosted in "Old Carbonate" Rocks, Eastern Fold Belt, Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
10005-001	Kiwi	05	64.75	138.75	19.205 (.05)	15.728 (.10)	39.565 (.05)	Hel Dolm
10010-017	Economic	10	64.33	131.22	19.463 (.09)	15.832 (.06)	38.606 (.15)	L. Cam Dolm
10010-045	Economic	10	64.33	131.22	18.426 (.09)	15.716 (.09)	38.647 (.09)	
Average for Economic		10	64.33	131.22	[18.944 (.09)]	[15.774 (.08)]	[38.629 (.12)]	
10012-100	Gillespie	12	64.77	133.93	16.532 (.06)	15.451 (.08)	36.188 (.11)	Had Dolm
10013-002	UG	13	64.87	140.03	17.096 (.07)	15.542 (.06)	36.729 (.10)	Hel Dolm
10020-100	Tart	20	64.83	139.83	16.805 (.08)	15.446 (.)	38.409 (.07)	Hel Dolm
10026-001	Vug	26	64.57	136.28	16.283 (.07)	15.417 (.07)	36.019 (.09)	Hel Dolm
10030-001	Showing	30	64.49	133.83	18.239 (.08)	15.681 (.06)	38.670 (.08)	Hel Dolm
10033-009	Goz	33	64.43	132.55	18.469 (.06)	15.683 (.10)	38.681 (.08)	L.Cam Dolm
10034-009	Birkeland	34	64.15	131.92	18.825 (.02)	15.708 (.05)	38.524 (.07)	Had Dolm
10034-010	Birkeland	34	64.15	131.92	18.790 (.05)	15.706 (.06)	38.451 (.08)	Had
Average for Birkeland		34	64.15	131.92	[18.808 (.04)]	[15.707 (.06)]	[38.488 (.08)]	Had
10037-048	Oz	37	64.75	139.75	16.274 (.10)	15.411 (.09)	35.907 (.09)	Hel Dolm
10038-016	Monster	38	64.82	139.97	16.264 (.05)	15.416 (.06)	35.030 (.11)	Prot Dolm
10038-100	Monster	38	64.82	139.97	16.857 (.03)	15.478 (.05)	36.597 (.08)	
Average for Monster		38	64.82	139.97	[16.560 (.04)]	[15.447 (.06)]	[35.814 (.10)]	
10040-003	Tuku	40	65.97	135.42	18.071 (.11)	15.674 (.04)	38.321 (.06)	L. Cam Lims
10050-001	Odd	50	63.91	132.00	18.813 (.09)	15.696 (.07)	38.476 (.03)	Had Dolm
10055-100	Tara	55	64.20	132.98	18.857 (.07)	15.725 (.09)	38.691 (.05)	L. Cam
20003-002	Palm	03	64.40	129.80	18.879 (.08)	15.695 (.08)	38.771 (.04)	L. Cam Dolm
20006-001	Pam	06	63.52	129.12	18.758 (.09)	15.733 (.09)	39.902 (.10)	L. Cam Dolm
20010-002	Emily	10	63.67	129.12	18.695 (.05)	15.751 (.06)	39.923 (.07)	L. Cam Dolm
20011-001	Lan	11	63.85	129.35	18.800 (.05)	15.692 (.06)	38.807 (.07)	L. Cam Dolm
20027-001	Climax	27	63.35	128.38	19.660 (.05)	15.770 (.08)	39.924 (.06)	Had Dolm

20028-001	Vic		28	64.30	128.62	18.420 (.10)	15.629 (.08)	38.002 (.07)	Hel Dolm	
20030-001	Zie		30	64.87	131.48	18.510 (.07)	15.687 (.09)	38.267 (.05)	L. Cam Dolm	
Number of deposits (n) = 21		arith. average = X				[18.113 (.07)]	[15.636 (.08)]	[38.199 (.07)]		
Number of analyses = 24		std. error mean = $S \cdot n^{-1/2}$				0.052	0.006	0.062		

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE H: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Deposits Hosted in Carbonate Rocks, Gayna River Area, N.W.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
20024-005	Gayna;	24	64.95	130.63	18.511 (.04)	15.598 (.05)	38.114 (.03)	Hel Dolm (Rio)
20024-020	Gayna; Top of A	24	64.95	130.63	18.305 (.08)	15.628 (.11)	38.367 (.05)	with Barite
20024-021	Gayna; A-8	24	64.95	130.63	17.622 (.06)	15.498 (.07)	37.108 (.07)	11 ft.
20024-022	Gayna; C-Show	24	64.95	130.63	18.604 (.10)	15.613 (.10)	38.263 (.10)	
20024-023	Gayna; 77-104	24	64.95	130.63	18.450 (.06)	15.562 (.08)	37.842 (.11)	574 ft.
20024-024	Gayna; 77-114A	24	64.95	130.63	18.901 (.07)	15.649 (.09)	38.488 (.09)	284 ft.
20024-025	Gayna; 77-132	24	64.95	130.63	18.560 (.06)	15.587 (.04)	38.133 (.07)	115 ft. near Diabase
Average for Gayna River		24	64.95	130.63	[18.493 (.07)]	[15.591 (.08)]	[38.045 (.07)]	
20074-001	Showing	74	64.98	130.77	19.497 (.07)	15.644 (.05)	39.135 (.08)	Cam-Ord (Franklin Mtn)
20074-001	Showing (repeat)	74	64.98	130.77	19.523 (.08)	15.676 (.09)	39.302 (.03)	
Average for Showing		74	64.98	130.77	[19.510 (.09)]	[15.660 (.07)]	[39.218 (.06)]	
Number of deposits (n) = 2	arith. average = X				[19.002 (.08)]	[15.626 (.08)]	[38.632 (.06)]	
Number of analyses = 9	std. error mean = $S \cdot n^{-1/2}$				0.360	0.024	0.415	

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.

TABLE I: LEAD ISOTOPE ANALYSES[1] ON GALENA[2] FROM MINERAL DEPOSITS

Deposits Hosted in "Young Carbonate" Rocks, Eastern Fold Belt, Y.T.

Sample Number	Deposit Name	Map Name	Lat.° North	Long.° West	Lead Isotope Data (Relative 1S Error as %) $^{206}Pb/^{204}Pb$	$^{207}Pb/^{204}Pb$	$^{208}Pb/^{204}Pb$	Remarks
G79RB-001	Robb Lake	RB	57.00	123.75	20.161 (.09)	15.872 (.09)	41.049 (.06)	
G79RB-002	Robb Lake	RB	57.00	123.75	20.327 (.07)	15.856 (.07)	41.017 (.11)	
G79RB-003	Robb Lake	RB	57.00	123.75	20.310 (.04)	15.851 (.07)	40.993 (.08)	
G79RB-004	Robb Lake	RB	57.00	123.75	20.247 (.04)	15.858 (.05)	41.139 (.01)	
Average for Robb Lake		RB	57.00	123.75	[20.261 (.06)]	[15.859 (.07)]	[41.050 (.06)]	
10002-002	Bilbo	02	65.25	138.67	22.825 (.03)	16.037 (.07)	42.715 (.05)	L.Pal Dolm
10006-001	Newt	06	64.53	135.47	20.362 (.11)	15.848 (.03)	42.560 (.04)	Ord Dolm
10008-002	Hot	08	64.98	137.77	20.468 (.14)	15.856 (.07)	39.667 (.10)	Ord Dolm
20004-002	Jude	04	64.37	129.87	18.892 (.05)	15.710 (.07)	38.925 (.12)	Ord-Sil Dolm
20008-009	Backbone	08	63.85	129.17	18.739 (.07)	15.647 (.05)	38.460 (.09)	Dev Lims
20009-002	Weather	09	63.97	129.28	18.761 (.06)	15.700 (.08)	38.574 (.13)	Dev Dolm
20012-006	Twitya	12	64.03	129.27	18.691 (.05)	15.652 (.09)	38.564 (.09)	Mid-Dev Dolm
20015-001	Jim	15	64.48	130.45	19.180 (.05)	15.719 (.06)	38.920 (.04)	Ord-Dev Dolm
20022-001	Guild	22	64.63	130.10	18.798 (.08)	15.680 (.12)	38.761 (.05)	Ord-Dev? Dolm
20023-014	Rev:Main	23	64.13	129.33	18.762 (.22)	15.675 (.08)	38.537 (.29)	Ord-Sil Dolm
20023-098	Rev:Waterfall	23	64.13	129.33	18.747 (.09)	15.662 (.02)	38.498 (.09)	
20023-137	Rev:Cirque	23	64.13	129.33	18.767 (.06)	15.653 (.03)	38.509 (.05)	
Average for Rev		23	64.13	129.33	[18.759 (.12)]	[15.663 (.06)]	[38.515 (.14)]	
20025-008	Tegart	25	64.53	130.17	18.770 (.10)	15.680 (.09)	38.823 (.08)	Ord-Sil Dolm
20034-007	Kind	34	64.37	129.73	18.779 (.10)	15.684 (.03)	38.846 (.06)	Ord-Sil Dolm
20073-001	Majesty	73	63.28	128.45	19.145 (.09)	15.704 (.13)	38.579 (.02)	Had-Cam (Rio)
20073-002	Majesty	73	63.28	128.45	19.204 (.07)	15.727 (.06)	38.881 (.09)	Had-Cam (Rio)
Average for Majesty		73	63.28	128.45	[19.174 (.08)]	[15.716 (.10)]	[38.730 (.06)]	Had-Cam
Pinepoint	Pine Point	---	61.67	114.50	18.187 (.11)	15.604 (.09)	38.083 (.04)	Dev Dolm
20075-001	Pine Point: K53	---	61.67	114.50	18.168 (.06)	15.568 (.02)	38.174 (.06)	
20075-002	Pine Point: J69	---	61.67	114.50	18.162 (.05)	15.589 (.05)	38.241 (.04)	
20075-003	Pine Point: S65	---	61.67	114.50	18.162 (.09)	15.587 (.07)	38.129 (.06)	
Average for Pine Point		---	61.67	114.50	[18.170 (.08)]	[15.587 (.06)]	[38.157 (.05)]	

Number of deposits (n) = 15	arith. average = $\bar{X}$	[19.375 (.08)]	[15.739 (.07)]	[39.418 (.08)]
Number of analyses = 23	std. error mean = $S \cdot n^{-1/2}$	0.078	0.008	0.098

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1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.