SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5229	.023		.016						
	.023	.023							.020
5230	.010		.020						
	.014	.012							.016
5231	.104		.014					.098	
	.092	.098							.070
5232	.019		.010						
	.015	.017							.014
5233	.011		.006						
	.007	.009							.008
5234	.002		tr						
	.004	.003							.002
5235	.017		.004						
	.014	.016							.010
5236	.031		.032						
	.037	.034							.033
5237	.014		tr						
	.019	.017							.009
5238	.017		tr						
	.021	.019							.010
5239	.017		tr						
	.011	.014							.008
5240	.008		tr						
	.014	.011							.006
5241	.012		.006						
	.016	.014							.010
5242	.007		.004						
	.005	.006							.005
5243	.022		.026						
	.029	.026							.026
5244	.048		.036						
	.046	.047							.042
5245	.011		.006						
	.009	.010							.008
5246	.002		tr						
	.005	.004							.003
5247	.004		tr						
	.009	.007							.004
5248	.007		.006						
	.011	.009							.008
5249	.006		.004						
	.009	.008							.006

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
SAMPLE	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5250	.017		.020						
	.016	.017							.019
5251	.009		.004						
	.006	.008							.006
5252	.054		.036					.046	
	.051	.053							.045
5253	.060		.040					.050	
	.059	.060							.050
5254	.013		.026						
	.016	.015							.021
5255	.006		.004						
	.008	.007							.006
5256	.009								
	.006	.008							.008
5257	.037		.010						
	.031	.034							.022
5258	.036		.032						
	.031	.034							.033
5259	.011								
	.015	.013							.013
5260	.063		.056						
	.067	.065							.061
5261	.022								
	.017	.020							.020
5262	.040								
	.036	.038							.038
5263	.036								
	.030	.033							.033
5264	.021								
	.026	.024							.024
5265	.026								
	.030	.028							.028
5266	.020								
	.017	.019							.019
5267	.017								
	.020	.019							.019
5268	.008								
	.012	.010							.010
5269	.009								
	.011	.010							.010
5270	.003								
	.005	.004							.004
5271	.035		.030						
	.029	.032							.031

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
SAMPLE	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5272	.019								
	.014	.017							.017
5273	.009								
	.005	.007							.007
5274	.009								
	.006	.008							.008
5275	.004								
	.004	.004							.004
5276	.017								
	.014	.016							.016
5277	.008								
	.011	.010							.010
5278	.005		tr						
	.003	.004							.003
5279	.005								
	.004	.005							.005
5280	.004								
	.006	.005							.005
5281	.003								
	.005	.004							.004
5282	.007		tr						
	.011	.009							.005
5283	.009		.004						
	.006	.008							.006
5284	.023		.018						
	.026	.025							.022
5285	.037		.060					.112	
	.033	.035							.069
5286	.006		.016						
	.009	.008							.012
5287	.010								
	.008	.009							.009
5288	.008								
	.007	.008							.008
5289	.014								
	.010	.012							.012
5290	.007								
	.010	.009							.009
5291	.004								
	.006	.005							.005
5292	.020								
	.025	.023							.023
5293	.010								
	.014	.012							.012
5294	.009		.012						
	.006	.008							.010

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
			FIRST PULP		SECOND PULP				
SAMPLE No.	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	AVERAGE (oz/tn Au)	(oz/tn Au)	AVERAGE (oz/tn Au)
5295	.016								
	.012	.014							.014
5296	.009								
	.012	.011							.011
5297	.003								
	.004	.004							.004
5298	.028		.004						
	.028	.028							.016
5299	.273		.234						
	.271	.272							.253
5300	.188		.122					.181	
	.181	.185							.163
5301	.607								
	.664								
	.612								
	.640								
	.664								
	.715								
	.600								
	.712	.652							.652
5302	.114		.126						
	.111	.113							.120
5303	.089		.072						
	.080	.085							.079
5304	.014								
	.009	.012							.012
5305	.013		.008						
	.009	.011							.010
5306	.009		.004						
	.006	.008							.006
5307	.189		.176						.
	.181	.185							.181
5308	.081		.034						
	.088	.085							.060
5309	.068		.020						
	.074	.071							.046
5310	.245								
	.299								
	.258								
	.253								
	.243								
	.307								
	.271								
	.282	.270							.270

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. AVERAGE (oz/tn Au)	CHEMEX (oz/tn Au)	GRAND AVERAGE (oz/tn Au)
5311	.037		tr						
	.031	.034							.018
5312	.018		.010						
	.014	.016							.013
5313	.114		.022						
	.126	.120							.071
5314	.072		.102						
	.081	.077							.090
5315	.103		.222					.102	
	.109	.106							.143
5316	.005		.074						
	.009	.007							.041
5317	.010		tr						
	.016	.013							.007
5318	.072		.048					.077	
	.077	.075							.062
5319	.010		.008						
	.009	.010							.009
5320	.008		.004						
	.010	.009							.007
5321	.017		.004						
	.014	.016							.010
5322	.008		.002						
	.011	.010							.006
5323	.012		tr						
	.009	.011							.006
5324	.024		tr						
	.019	.022							.012
5325	.004		.022						
	.007	.006							.014
5326	.010		.006						
	.014	.012							.009
5327	.019								
	.015	.017							.017
5328	.010		.086					.003	
	.007	.009							.033
5329	.012		.004						
	.016	.014							.009
5330	.009		.006						
	.013	.011							.009
5331	.008		.004						
	.005	.007							.006

SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5332	.010		.004						
	.014	.012							.008
5333	.021		.008						
	.024	.022							.015
5334	.525		.012						
	.517	.521							.267
5335	.014		.654						
	.011	.013							.334
5336	.070		.004						
	.060	.065							.035
5337	.017		.012						
	.014	.016							.014
5338	.038		.080					.048	
	.042	.040							.056
5339	.051		.046						
	.047	.049							.048
5340	.019		.042						
	.024	.022							.032
5341	.014		tr						
	.019	.017							.009
5342	.009								
	.006	.008							.008
5343	.004								
	.003	.004							.004
5344	.004								
	.006	.005							.005
5345	.002								
	.004	.003							.003
5346	.008								
	.005	.007							.007
5347	.025								
	.020	.023							.023
5348	.007								
	.005	.006							.006
5349	.020		.004						
	.014	.017							.011
5350	.028		.060						
	.022	.025							.043
5351	.018		tr						
	.024	.021							.011
5352	.012								
	.007	.010							.010

SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5353	.108		.126					.110	
	.113	.111							.116
5354	.014		.004						
	.016	.015							.010
5355	.015		.004						
	.014	.015							.010
5356	.007		tr						
	.005	.006							.004
5357	.007		.004						
	.006	.007							.006
5358	.020		.004						
	.028	.024							.014
5359	.018		.010						
	.021	.020							.015
5360	.010		.006						
	.014	.012							.009
5361	.009		.004						
	.008	.009							.007
5362	.003		.010						
	.005	.004							.007
5363	.004								
	.007	.006							.006
5364	.038		.018						
	.036	.037							.028
5365	.005		.004						
	.007	.006							.005
5366	.050		.026						
	.045	.048							.037
5367	.012		.006						
	.016	.014							.010
5368	.016		.004						
	.019	.018							.011
5369	.003		tr						
	.005	.004							.003
5370	.031		.010						
	.035	.033							.022
5371	1.987		2.036						
	2.001	1.944							1.990
5372	.279		.294						
	.269	.274							.284
5373	.026		.014						
	.022	.024							.019
5374	.013		.004						
	.014	.014							.009

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. AVERAGE (oz/tn Au)	CHEMEX (oz/tn Au)	GRAND AVERAGE (oz/tn Au)
5375	.039		.008						
	.044	.042							.025
5376	.077		.056					.081	
	.081	.079							.068
5377	.015								
	.011	.013							.013
5378	.003								
	.004	.004							.004
5379	.039		.002						
	.033	.036							.019
5380	.125		.106						
	.138	.132							.119
5381	.008								
	.007	.008							.008
5382	.014								
	.017	.016							.016
5383	.014								
	.019	.017							.017
5384	.022								
	.025	.024							.024
5385	.054								
	.050	.052							.052
5386	.047								
	.055	.051							.051
5387	.014								
	.017	.016							.016
5388	.030								
	.027	.029							.029
5389	.068		.066						
	.069	.069							.068
5390	.034		.008						
	.022	.028							.018
5391	.007		.004						
	.008	.008							.006
5492	.026		.016						
	.016	.021							.019
5393	.007		.006						
	.009	.008							.007
5394	.004		tr						
	.003	.004							.003
5395	.004		tr						.003
5396	.025		.034						

SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.				CHEMEX	GRAND
	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP	AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE		
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5397	.005		tr					.003
5398	.002		.006					.004
5399	.003		.008					.006
5400	.006		.006					.006
5401	.032		.004					.018
5402	.001		.002					.002
5403	.001		.012					.007
5404	.006		tr					.004
5405	.015		.016					.016
5406	.002		tr					.002
5407	.001		tr					.001
5408	.006		.002					.004
5409	.001		.016					.009
5410	.009		tr					
	.014	.012						.007
5411	.001		tr					.001
5412			.002					.002
5413			tr					tr
5414			.004					.004
5415			.002					.002
5416			.002					.002
5417			tr					tr
5418			1.200					1.200
5419			.018					.018
5420			.008					.008
5421			.010					.010
5422			tr					tr
5423			.010					.010
5424			tr					tr
5425			.006					.006
5426			.004					
			.036					
			.004	.015				.015
5427			tr					
			tr					
			tr	tr				tr
5428			.016					
			.004					
			tr					
			.008	.007				.007

SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5429			tr						
			.010						
			tr						
			.008						
			.008						
			.004	.005					.005
5430			.330						
			.156						
			.188	.225					.225
5431			.046						
			.058						
			.042						
			.014	.040					.040
5432			.032						
			.002						
			.012						
			.002						
			.010						
			.012	.012					.012
5433			.002						
			tr						
			.002						
			tr						
			.002	.002					.002
5434			tr						
			tr						
			tr						
			tr	tr					tr
5435			tr						tr
5436			tr						tr
5437			tr						tr
5438			tr						tr
5439			tr						tr
5440			tr						tr
5441			tr						tr
5442			.002						.002
5443			.008						.008
5444			tr						
			tr						
			.008						
			tr	.003					.003

SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5445			.012						
			.014						
			.018						
			.028	.018					.018
5446			.006						
			.010						
			.004						
			.022	.011					.011
5447			.008						
			.012						
			.006						
			.008	.009					.009
5448			tr						
			.026						
			.006						
			.002	.009					.009
5449			.008						
			tr						
			.002	.004					.004
5450			.010						
			.024						
			.012						
			.006	.013					.013
5501			.008						
			.018						
			.014						
			.024	.016					.016
5502			.010						
			.022						
			.002						
			.002	.009					.009
5503			.026						
			.014						
			.014						
			.008	.016					.016
5504			.008						
			.008						
			.004						
			.016	.009					.009
5505			.008						
			tr						
			tr						
			tr	.003					.003

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
SAMPLE	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5506			.042						
			.038						
			.022						
			.042	.036					.036
5507	.018		.006						.012
5508	.017		.004						.013
5509	.045		.004						.016
5510	.011								.011
5511	.009		tr						.005
5512	.001		tr						.001
5513	.100		.064					.082	.082
5514	.007		.002						.005
5515	.015		.004						.010
5516	.013		.002						.008
5517	.050		.024					.040	.038
5518	.037		.012						.025
5519	.084		.072					.092	.083
5520	.009		.006						.008
5521	.007		.004						.006
5522	.001		.008						.005
5523	.004		tr						.003
5524	.001		.002						.002
5525	.004		tr						.003
5526	.003		.004						.004
5527	.009		.022						.016
5528	.005								.005
5529	.003								.003
5530	.006								.006
5531	.003								.003
5532	.002		tr						.002
5533	.010		tr						.006
5534	.002		.002						.002
5535	.001		.004						.003
5536	.002								.002
5537	.001								.001
5538	.004								.004
5539	.003								.003
5540	.005								.005
5541	.003								.003
5542	.042								.042
5543	.028								.028

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
			FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
SAMPLE No.	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5544	.035								.035
5545	.233								
	.224								
	.246								
	.276								
	.228								
	.231	.240							.240
5546	.152								
	.227								
	.109								
	.138								
	.135								
	.151	.152							.152
5547	.122		.068					.116	.102
5548	.247		.382					.307	.312
5549	.082		.106						.094
5550	.071		.044					.086	.067
5551	.100		.094						.097
5552	.036		.052					.058	.049
5553	.034		.034						.034
5554	.030		.022						.026
5555	.129		.228					.238	.198
5556	.008		tr						.005
5557	.001		tr						.001
5558	.031		.028						.030
5559	.014		tr						.008
5560	.001		tr						.001
5561	.002		tr						.002
5562	.001		tr						.001
5563	.002								.002
5564	.001								.001
5565	.007								.007
5566	.005								.005
5567	.001								.001
5568	.023								.023
5569	.026								.026
5570	.009								.009
5571	.002								.002
5572	.010								.010
5573	.009								.009
5574	.004								.004
5575	.002								.002

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. AVERAGE (oz/tn Au)	CHEMEX (oz/tn Au)	GRAND AVERAGE (oz/tn Au)
5576	.012								.012
5577	.058								.0518
5578	.027								.027
5579	.004								.004
5580	.001								.001
5581	.018								.018
5582	.018								.018
5583	.027								.027
5584	.011		.012						.012
5585	.010		.004						.007
5586	.001		.006						.004
5587	.001		tr						.001
5588	.001		tr						.001
5589	.003		.010						.007
5590	.001		tr						.001
5591	.040		.032						.036
5692	.006		tr						.004
5593	.001		tr						.001
5594	.008		.002						.005
5595	.009		tr						.005
5596	.007		.004						.006
5597	.023		.024						.024
5598	.047		.046						.047
5599	.027		.070					.034	.044
5600	.032		.060					.046	.046
5601	.012		.030						.021
5602	.174		.176						.175
5603	.163		.202					.160	.175
5604	.185		.184						.185
5605	.113		.122						.118
5606	.006								.006
5607	.003								.003
5608	.010								.010
5609	.033								.033
5610	.192		.178						.185
5611	.021								.021
5612	.174		.210					.262	.215
5613	.040								.040
5614	.013								.013
5615	.025								.025
5616	.044								.044
5617	.005								.005

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
			FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
SAMPLE No.	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5618	.015								.015
5619	.013								.013
5620	.016								.016
5621	.027								.027
5622	.003								.003
5623	.064								.064
5624	.018								.018
5625	.001								.001
5626	.002								.002
5627	.003								.003
5628	.034								.034
5629	.010								.010
5630	.006								.006
5631	.011								.011
5632	.005								.005
5633	.003								.003
5634	.074								.074
5635	.006								.006
5636	.002								.002
5637	.613								
	.680								
	.563	.619							.619
5638	.009								.009
5639	.036								.036
5640	.013								.013
5641	.003								.003
5642	.005								.005
5643	.076								.076
5644	.015		tr						.008
5645	.402		.218						
	.392	.397							.308
5646	.014		.006						.010
5647	.033								.033
5648	.009		.004						.007
5649	.238		.138					.108	.161
5650	.017		.052					.026	.032
5651	.011								.011
5652	.013								.013
5653	.013								.013
5654	.017								.017
5655	.003								.003
5656	.021								.021

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
SAMPLE	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5657	.015								.015
5658	.005								.005
5659	.055								.055
5660	.011		.022						.017
5661	.019		.012						.016
5662	.015		.004						.010
5663	.010		.006						.008
5664	.002		tr						.002
5665	.008		.018						.013
5666	.014		.012						.013
5667	.007		.008						.008
5668	.010		.014						.012
5669	.047		.040						.044
5670	.022		.032						.027
5671	.036		.014						.025
5672	.036		.032						.034
5673	.020		.018						.019
5674	.012		.006						.009
5675	.038		.024						.031
5676	.005		tr						.003
5677	.508		.402						.455
5678	.061								
	.115								
	.081	.086							.086
5679	.006		.018						.012
5680	.044		.028						.036
5681	.047		.054						.051
5682	.024		.026						.025
5683	.014		.002						.008
5684	.013		tr						.007
5685	.037		.008						.023
5686	.013		.004						.009
5687	.008		tr						.005
5688	.006		tr						.004
5689	.009		tr						.005
5690	.011		tr						.006
5691	.010		tr						.006
5692	.007								.007
5693	.011								.011
5694	.015								.015
5695	.006								.006
5696	.009								.009

SAMPLE	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
			FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
	ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5697	.011								.011
5698	.012								.012
5699	.003		tr						.002
5700	.004		tr						.003
5701	.011		tr						.006
5702	.004		tr						.003
5703	.003		tr						.002
5704	.009		.010						.010
5705	.003		tr						.002
5706	.002		tr						.002
5707	.004								.004
5708	.009								.009
5709	.003								.003
5710	.116								.116
5711	.022								.022
5712	1.780								
	1.811								
	1.821	1.804							1.804
5713	.011								.011
5714	.024								.024
5715	.045								.045
5716	.020								.020
5717	.003								.003
5718	.011								.011
5719	.006								.006
5720	.011								.011
5721	.016								.016
5722	.009								.009
5723	.006								.006
5724	.012								.012
5725	.023								.023
5726	.052								.052
5727	.013								.013
5728	.022								.022
5729	.013								.013
5730	.025								.025
5731	.003								.003
5732	.018								.018
5733	.038								.038
5734	.774								
	.814								
	.826	.805							.805

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. AVERAGE (oz/tn Au)	CHEMEX (oz/tn Au)	GRAND AVERAGE (oz/tn Au)
5735	.358								
	.324								
	.362	.348							.348
5736	.601								
	.614								
	.719	.645							.645
5737	.354								
	.349								
	.376	.360							.360
5738	2.621								
	2.607								
	2.772	2.667							2.667
5739	.036								.036
5740	.013								.013
5741	1.631								
	1.725								
	1.638	1.665							1.665
5742	.014								.014
5743	.014								.014
5744	.007								.007
5745	.025								.025
5746	.009								.009
5747	.002								.002
5748	.004								.004
5749	.019		tr						.010
5750	.003		tr						.002
5751	.047		.052						.050
5752	.125		.120						.123
5753	13.353								
	13.619								
	13.335	13.436							13.436
5754	2.301								
	2.426								
	2.408	2.378							2.378
5755	.882								
	.859								
	.841	.861							.861
5756	2.220								
	2.166								
	2.128	2.171							2.171
5757	.116		.080						.098
5758	.023		.060						.042

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. AVERAGE (oz/tn Au)	CHEMEX (oz/tn Au)	GRAND AVERAGE (oz/tn Au)
5759	.030		.024						.027
5760	.020		.008						.014
5761	.005								
5762	.023								.023
5763	.061		tr						.031
5764	.010		.010						.010
5765	.012		.002						.007
5766	.008		tr						.010
5767	.010		.004						.007
5768	.015		tr						.008
5769	.047								
B0811	.399								.223
5770	.022		tr						.012
5771	.355		.466						.411
5772	.025		.060						.043
5773	.009								.009
5774	.017								.017
5775	.017								.017
5776	.258								.258
5777	.063								
	.056								
	.062	.060							.060
5778	.107		.026						.067
5779	.027		.032						.030
5780	.033		.008						.021
5781	.031		.010						.021
5782	.032		.006						.019
5783	.030		.024						.027
5784	.025								.025
5785	.031		tr						.016
5786	.053								.053
5787	.035		.004						.020
5788	.020		.018						.019
5789	.017		.016						.017
5790	.015		.020						.018
5791	.022		.046						.034
5792	.107		.186						.147
5793	.019		.006						.013
5794	.073		.068						.071
5795	.022								.022
5796	.020								.020
5797	.019								.019

B0811: 1/4 core sample of 5769

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. FIRST PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP ASSAY(S) (oz/tn Au)	LORING LABORATORIES LTD. SECOND PULP AVERAGE (oz/tn Au)	LORING LABORATORIES LTD. AVERAGE (oz/tn Au)	CHEMEX AVERAGE (oz/tn Au)	GRAND AVERAGE (oz/tn Au)
5798	.004								.004
5799	.009								.009
5800	.011								.011
5801	.007								.007
5802	.013								.013
5803	.022								.022
5804	.019								.019
5805	.047								.047
5806	.011								.011
5807	.006								.006
5808	.012								.012
5809	.005								.005
5810	.011								.011
5811	.005								.005
5812	.008								.008
5813	.009								.009
5814	.292			.064					
	.355								
	.342	.330							.197
5815	.011			.004					.008
5816	.015			.002					.009
5817	.013			tr					.007
5818	.013			tr					.007
5819	.008			tr					.005
5820	.014								.014
5821	.013								.013
5822	.141			.450					.296
5823	.045								.045
5824	.007								.007
5825	.006								.006
5826	.009								.009
5827	.010								.010
5828	.004								.004
5829	.014								.014
5830	.231								.231
5831	.053								.053
5832	.014								.014
5833	.168			.164					.166
5834	.089			.182					.136
5835	.031								.031
5836	.033								.033
5837	.026			tr					.014

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
			FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
SAMPLE No.	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5838	.038		.016						.027
5839	.016		tr						.009
5840	.007		.006						.007
5841	.033		.004						.019
5842	.035		.050						.043
5843	.022								.022
5844	.016								.016
5845	.013								.013
5846	.022								.022
5847	.004								.004
5848	1.002								
	1.129								
	1.057	1.063							1.063
5849	.019								.019
5850	.023								.023
5851	.020								.020
5852	.021								.021
5853	.032								.032
5854	.035								.035
5855	.020								.020
5856	.027								.027
5857	.016								.016
5858	.024								.024
5859	.021								.021
5860	.017								.017
5861	.012								.012
5862	.057								.057
5863	.051								.051
5864	.034								.034
5865	.030								.030
5866	.002								.002
5867	.038								.038
5868	.025								.025
5869	.035								.035
5870	.023								.023
5871	.169								.169
5872	.012								.012
5873	.019								.019
5874	.002								.002
5875	.004								.004
5876	.006								.006
5877	.028								.028

	GIANT BAY LABORATORY		LORING LABORATORIES LTD.					CHEMEX	GRAND
SAMPLE	ASSAY(S)	AVERAGE	FIRST PULP		SECOND PULP		AVERAGE		AVERAGE
			ASSAY(S)	AVERAGE	ASSAY(S)	AVERAGE			
No.	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)	(oz/tn Au)
5878	.018								.018
5879	.008								.008
5880	.039								.039
5881	.018								.018
5882	.007								.007
5883	.308								.308
5884	.011		.016						.014
5885	.009								.009
5886	.009		tr						.005
5887	.003								.003
5888	.048								.048
5889	.008								.008
5890	.006								.006
5891	.008								.008
5892	.005								.005
5893	.011								.011
5894	.002								.002
5895	.001								.001
5896	.008								.008
5897	.013								.013
5898	.008								.008
5899	.008								.008
5900	.010								.010
5901	.012								.012
5902	.785								
	.740								
	.774	.766							.766
5903	.048								.048
5904	.038								.038
5905	.031								.031

DRILL CORE ASSAY SUMMARY

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)
5906	.024	
5909	.683	
	.720	
	.692	.698
5912	.027	
5915	.008	
5918	.047	
5921	.011	
5924	.014	
5927	.008	
5930	.014	
5933	.010	
5936	.021	
5939	.018	
5942	.015	
5945	.018	
5948	.013	
5951	.005	
5954	.013	
5957	.015	
5960	.020	
5963	.008	
5966	.013	
5969	.012	
5972	.012	
5975	.008	
8053	.013	
8056	.007	
8059	.013	
8062	.013	
8065	.006	
8068	.005	
8071	.002	
8074	.005	
8077	.003	
8080	.005	
8084	.003	
8087	.008	
8090	.011	
8093	.006	
8096	.003	
8099	.003	
8102	.007	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)
5907	.016	
5910	.052	
5913	.008	
5916	.011	
5919	.014	
5922	.024	
5925	.064	
5928	.021	
5931	.021	
5934	.013	
5937	.014	
5940	.013	
5943	.007	
5946	.059	
5949	.015	
5952	.015	
5955	.016	
5958	.008	
5961	.007	
5964	.010	
5967	.006	
5970	.007	
5973	.026	
8051	.009	
8054	.007	
8057	.012	
8060	.016	
8063	.017	
8066	.042	
8069	.008	
8072	.002	
8075	.003	
8078	.002	
8082	.007	
8085	.005	
8088	.004	
8091	.002	
8094	.005	
8097	.002	
8100	.001	
8103	.007	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	GIANT BAY LABORATORY AVERAGE (oz/tn Au)
5908	.052	
5911	.005	
5914	.004	
5917	.007	
5920	1.855	
5923	.026	
5926	.015	
5929	.111	
5932	.016	
5935	.008	
5938	.008	
5941	.014	
5944	.010	
5947	.030	
5950	.017	
5953	.029	
5956	.011	
5959	.012	
5962	.028	
5965	.012	
5968	.006	
5971	.017	
5974	.012	
8052	.014	
8055	.084	
8058	.009	
8061	.016	
8064	.010	
8067	.004	
8070	.002	
8073	.003	
8076	.029	
8079	.003	
8083	.003	
8086	.002	
8089	.003	
8092	.009	
8095	.003	
8098	.008	
8101	.001	
8104	.006	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
B105	.010	
B108	.003	
B111	.018	
B114	**.599**	
B117	.017	
B120	.002	
B123	**.055**	
B126	.013	
B129	.021	
B132	.018	
B135	.018	
B138	.009	
B141	.004	
B144	.018	
B147	.032	
B150	.007	
B153	.014	
B156	.008	
B159	.002	
B162	.002	
B165	.012	
B168	.005	
B171	.032	
B174	.027	
B177	.012	
B180	.003	
B183	.011	
B186	.019	
B189	.030	
B192	.017	
B195	.015	
B198	.029	
B201	.048	
B204	**.615**	
B207	.023	
B210	.022	
B213	.005	
B216	.019	
B219	.013	
B222	.013	
B225	.007	
B228	.010	
B231	.002	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
B106	.013	
B109	**.053**	
B112	.014	
B115	.014	
B118	.012	
B121	.012	
B124	.002	
B127	.018	
B130	.022	
B133	.007	
B136	.011	
B139	.015	
B142	.018	
B145	.021	
B148	.014	
B151	.021	
B154	.005	
B157	.012	
B160	.003	
B163	.025	
B166	.003	
B169	.013	
B172	.011	
B175	.018	
B178	.040	
B181	**.070**	
B184	.012	
B187	.020	
B190	.010	
B193	.010	
B196	.003	
B199	.014	
B202	.011	
B205	.010	
B208	.026	
B211	.020	
B214	.008	
B217	.009	
B220	.009	
B223	.045	
B226	.015	
B229	.011	
B232	.003	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
B107	.007	
B110	**.048**	
B113	.037	
B116	.011	
B119	.010	
B122	.012	
B125	.030	
B128	.022	
B131	.016	
B134	.019	
B137	.031	
B140	.015	
B143	.031	
B146	.008	
B149	.019	
B152	.005	
B155	.005	
B158	.011	
B161	.006	
B164	.001	
B167	.007	
B170	**.057**	
B173	.030	
B176	.005	
B179	.001	
B182	.012	
B185	.025	
B188	.008	
B191	.018	
B194	.014	
B197	.018	
B200	.025	
B203	**1.216**	
	1.100	
	1.234	**1.183**
B206	.022	
B209	**8.166**	
	8.476	
	8.335	**8.326**
B212	.002	
B215	.015	
B218	.006	
B221	.003	
B224	.008	
B227	.016	
B230	.008	
B233	.018	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
B234	.004	
B237	.015	
B240	.012	
B243	.010	
B246	.108	
B249	.010	
B252	.475	
B255	.004	
B258	.009	
B261	.015	
B264	.009	
B267	.072	
B270	.027	
B273	.016	
B276	.015	
B279	.021	
B282	.066	
B285	.021	
B288	.006	
B291	.058	
B294	.014	
B297	.017	
B300	.014	
9303	.001	
9306	.012	
9309	.037	
	.039	
	.041	.039
9312	.228	
	.229	
	.244	.234
9315	.002	
9318	.053	
9321	.004	
9324	.024	
9327	.017	
9330	.014	
9333	.007	
9336	.011	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
B235	.028	
B238	.016	
B241	.012	
B244	.008	
B247	.005	
B250	.031	
B253	.004	
B256	.007	
B259	.065	
B262	.003	
B265	.007	
B268	.020	
B271	.009	
B274	.019	
B277	.012	
B280	.053	
B283	.011	
B286	.030	
B289	.016	
B292	.040	
B295	.010	
B298	.008	
9301	.014	
9304	.261	
	.262	
	.259	.261
9307	.029	
	.039	
	.033	.034
9310	.083	
9313	.116	
9316	.014	
9319	.014	
9322	.001	
9325	.008	
9328	.020	
9331	.010	
9334	.005	
9337	.011	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
B236	.051	
B239	.008	
B242	.023	
B245	.053	
	.058	
	.053	.055
B248	.010	
B251	.303	
B254	.101	
B257	.012	
B260	.041	
B263	.011	
B266	.011	
B269	.013	
B272	.012	
B275	.020	
B278	.120	
B281	.099	
B284	.057	
B287	.088	
B290	.125	
B293	.015	
B296	.007	
B299	.011	
9302	.006	
9305	.010	
9308	.033	
9311	.330	
	.346	.338
9314	.058	
9317	.010	
9320	.042	
	.041	
	.040	.041
9323	.007	
9326	.019	
9329	.011	
9332	.010	
9335	.016	
9338	.003	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
9339	.005	
9342	.012	
9345	.005	
9348	.040	
9351	.005	
9354	.010	
9357	.036	
9360	.165	
9363	.078	
9366	.014	
9369	.005	
9372	.009	
9375	.002	
9378	.012	
9381	.032	
9384	.012	
9387	.016	
9390	.038	
9393	.007	
9396	.015	
9399	.011	
9402	.012	
9405	.015	
9408	.008	
9411	.011	
9414	.017	
9417	.003	
9420	.007	
9423	.026	
9426	.016	
9429	.016	
9432	.011	
9435	.007	
9438	.007	
9441	.023	
9444	.011	
9447	.024	
9450	.010	
9453	.009	
9456	.007	
9459	.009	
9462	.047	
9465	.032	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
9340	.007	
9343	.009	
9346	.007	
9349	.006	
9352	.006	
9355	.005	
9358	.042	
9361	.022	
9364	.	
9367	.009	
9370	.045	
9373	.019	
9376	.008	
9379	.062	
9382	.035	
9385	.009	
9388	.015	
9391	.004	
9394	.016	
9397		
9400	.007	
9403	.009	
9406	.041	
9409	.015	
9412	.016	
9415	.003	
9418	.013	
9421	.048	
9424	.016	
9427	.035	
	.038	
	.035	.036
9430	.015	
9433	.	
9436	.011	
9439	.017	
9442	.031	
9445	.016	
9448	.008	
9451	.007	
9454	.007	
9457	.019	
9460	.009	
9463	.014	
9466	.011	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
9341	.009	
9344	.008	
9347	.007	
9350	.003	
9353	.008	
9356	.054	
9359	.016	
9362	.030	
9365	.015	
9368	.008	
9371	.009	
9374	.008	
9377	.016	
9380	.017	
9383	.024	
9386	.040	
9389	.017	
9392	.006	
9395	.002	
9398	.007	
9401	.016	
9404	.007	
9407	.009	
9410	.043	
9413	.011	
9416	.091	
9419	.153	
	.168	
	.165	.162
9422	.048	
9425	.012	
9428	.002	
9431	.010	
9434	.012	
9437	.009	
9440	.011	
9443	.015	
9446	.065	
9449	.021	
9452	.010	
9455	.019	
9458	.008	
9461	.011	
9464	.008	
9467	.006	

SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)	SAMPLE No.	GIANT BAY LABORATORY ASSAY(S) (oz/tn Au)	AVERAGE (oz/tn Au)
9468	.008		9469	.025		9470	.013	
9471	.024		9472	.039		9473	.009	
9474	.005		9475	.008		9476	.009	
9477	.011		9478	.007		9479	.006	
9480	.010		9481	.006		9482	.120	
9483	.055		9484	.036		9485	.025	
9486	.027		9487	.021		9488	.022	
9489	.031		9490	.013		9491	.005	
9492	.014		9493	.033		9494	.009	
9495	.011		9496	.012		9497	.028	
9498	.076		9499	.020		9500	.004	
9501	.010		9502	.033		9503	.008	
9504	.004		9505	.005		9506	.009	
9507	.004		9508	.009		9509	.010	
9510	.006		9511	.006		9512	.009	
9513	.022		9514	.012		9515	.008	
9516	.006		9517	.005		9518	.004	
9519	.004		9520	.006		9521	.007	
9522	.014		9523	.011		9524	.012	
9525	.015		9526	.011		9527	.004	
9528	.004		9529	.009		9530	.007	
9531	.014		9532	.028		9533	.005	
9534	.010		9535	.016		9536	.010	
9537	.012		9538	.014				

CHECK ASSAYS SUMMARY

SAMPLE No.	GIANT BAY RES. LTD. (oz/tn Au)	LORING LABS LTD. (oz/tn Au)	CHEMEX LABS LTD. (oz/tn Au)
2580	.064	.024	.042
2596	.122	.002	.102
2599	.135	.018	.146
2600	.056	.110	.052
2602	.076	.048	.040
2606	.052	.018	.022
2655	.070	.032	.038
2672	.256	.244	.271
5006	.057	.010	.018
5007	.058	.074	.038
5019	.073	.055	.082
5052	.081	.048	.056
5063	.055	.004	.016
5064	.058	.018	.024
5080	.074	.038	.052
5084	.184	.352	.160
5086	.164	.048	.070
5092	.074	.040	.038
5094	.056	.020	.012
5097	.065	.036	.030
5098	.112	.064	.088
5111	.057	.002	.010
5113	.053	.015	.040
5116	.191	.133	.121
5121	.056	.003	.010
5169	.065	.034	.048
5170	.073	.030	.040
5217	.071	tr	.076
5224	.297	.192	.425
5231	.098	.014	.098
5252	.053	.036	.046
5253	.060	.040	.050
5285	.035	.060	.112
5300	.188	.122	.181
5308	.085	.034	.069
5309	.071	.020	.082

SAMPLE No.	GIANT BAY RES. LTD. (oz/tn Au)	LORING LABS LTD. (oz/tn Au)	CHEMEX LABS LTD. (oz/tn Au)
5315	.106	.222	.102
5318	.075	.048	.077
5328	.009	.086	.003
5338	.040	.080	.048
5353	.111	.126	.110
5376	.079	.056	.081
5513	.100	.064	.082
5517	.050	.024	.040
5519	.084	.072	.092
5547	.122	.068	.116
5548	.247	.382	.307
5550	.071	.044	.086
5552	.036	.052	.058
5555	.129	.228	.238
5599	.027	.070	.034
5600	.032	.060	.046
5603	.163	.202	.160
5612	.174	.210	.262
5649	.238	.138	.108
5650	.017	.052	.026

MERCURY ANALYSES

HOLE #	SAMPLE #	DEPTH (ft)	ROCK TYPE	Hg (ppm)
83-07	HG- 1	150	gw	15
83-07	HG- 2	160	gy slt	5
83-07	HG- 3	170	qtz with bk slt	5
83-07	HG- 4	180	bk slt	15
83-07	HG- 5	190	bk slt	5
83-07	HG- 6	200	qtz vein with sulphides	10
83-07	HG- 7	210	bk slt	5
83-07	HG- 8	220	gw	5
83-07	HG- 9	230	gw	5
83-07	HG-10	240	gy slt	<5
83-07	HG-11	250	qtz	<5
83-07	HG-12	260	bk slt with irreg qtz veining	<5
83-07	HG-13	270	qtz with bk slate	5
83-07	HG-14	280	gy slt with minor qtz veining	10
83-07	HG-15	290	bk slt	5
83-07	HG-16	300	gy slt	<5
83-07	HG-17	310	gw	<5
83-07	HG-18	320	bk argillite with 2-3% qtz	5
83-07	HG-19	330	gw (out of zone)	5
83-07	HG-20	340	gw	5
83-07	HG-21	350	gw	5
83-07	HG-22	360	gw with gy slt bands	5
83-07	HG-23	370	gw	<5
83-07	HG-24	380	gw	5
83-07	HG-25	390	gw	<5
83-07	HG-26	400	gw	5
83-07	HG-27	410	gw	<5
83-04	HG-28	10	gw	<5
83-04	HG-29	20	gw	<5
83-04	HG-30	30	gw	<5
83-04	HG-31	40	gw	<5
83-04	HG-32	50	gw	<5
83-04	HG-33	60	gw	<5
83-04	HG-34	70	gw	10
83-04	HG-35	80	gw	5
83-04	HG-36	90	gw	5
83-04	HG-37	100	gy slt	10
83-04	HG-38	110	gy slt	5
83-04	HG-39	120	bk slt	<5
83-04	HG-40	130	gw	15

ABBREVIATIONS: < = less than; *abndt*=abundant; *ars*=arsenopyrite; *bk*=black; *gw*=graywacke; *irreg*=irregular; *qtz*=quartz; *slt*=siltstone.

HOLE #	SAMPLE #	DEPTH (ft)	ROCK TYPE	Hg (ppm)
83-04	HG-41	140	qtz & bk arg, abndt ars	<5
83-04	HG-42	150	bk arg	<5
83-04	HG-43	160	qtz, minor bk arg	<5
83-04	HG-44	170	qtz	5
83-04	HG-45	180	qtz, minor bk arg	<5
83-04	HG-46	190	bk slt	5
83-04	HG-47	200	bk slt	<5
83-04	HG-48	210	bk slt	<5
83-04	HG-49	220	qtz (50%) & bk slt	<5
83-04	HG-50	230	bk arg	<5
83-04	HG-51	240	bk arg & qtz (25%)	<5
83-04	HG-52	250	bk slt, abndt ars	<5
83-04	HG-53	260	bk slt & qtz (10%)	5
83-04	HG-54	270	bk slt & qtz (5%)	<5
83-04	HG-55	280	gy slt	<5
83-04	HG-56	290	bk slt, minor cp	<5
83-04	HG-57	300	qtz & bk slt (5%)	<5
83-04	HG-58	310	bk slt	<5
83-04	HG-59	320	bk slt	<5
83-04	HG-60	330	gy slt	<5
83-04	HG-61	340	gy slt, partly phyllite	<5
83-04	HG-62	350	qtz (60%), minor gy slt, ars	<5
83-04	HG-63	360	phyllite	<5
83-04	HG-64	370	gy slt	<5
83-04	HG-65	380	gw	<5
83-04	HG-66	390	gw	<5
83-04	HG-67	400	gw	<5

Harris
EXPLORATION
SERVICES

MINERALOGY AND GEOCHEMISTRY

534 ELLIS STREET, NORTH VANCOUVER, B.C., CANADA V7H 2G6

TELEPHONE (604) 929-5867

Job # 84-60

September 10th, 1984

Report for: Juan Caelles,
Giant Bay Resources,
321 Bellanca Ave.,
Yellowknife, NWT
X1A 1Y8

Samples:

Six pieces of core for petrographic study. Samples were designated by drill-hole number and footage. Cross reference to thin section numbers is as follows:

Sample No.	Slide No.
84-12 79'	117X
84-27 536'	118X
84-28 550'	119X
84-29 700'	120X
84-63 1113'	121X
84-74 56.5'	122X

The samples were prepared as standard thin sections and examined microscopically. Individual petrographic descriptions are attached.

Summary:

Two of the six samples in this suite (118X, 119X) are essentially unmetamorphosed diabase or porphyritic basalt. Field relationships may indicate which is the more likely.

Of the remainder, three (120X, 121X, 122X) are metamorphosed tuffs, as evidenced by remnant pyroclastic textures and a composition in which plagioclase is strongly dominant over quartz.

121X has a fine-grained schistose or phyllitic fabric and appears to be the product of regional metamorphism of a fine-grained felsic tuff.

120X and 122X show no preferred orientation in the micaceous minerals and may have developed under high temperature/low stress conditions. They also appear to be of somewhat more intermediate composition.

The remaining rock of the suite (117X) is the most strongly metamorphosed (again without the development of any directional fabric). It contains abundant porphyroblastic amphibole and epidote, together with accessory sphene. This is the characteristic assemblage of a metamorphosed intermediate igneous rock. It

may well have been a tuff like the others, although original textures have been obliterated by the extensive recrystallization.

117X and 122X both have significant sulfide contents. Pyrrhotite, pyrite and arsenopyrite are tentatively identified. They appear to be syngenetic constituents which have been partially redistributed during metamorphism. Further information on sulfide relationships could be obtained from polished thin sections.

In view of our phone conversation, in which you suggested that the dominant lithologies on this property were sedimentary, the strong igneous (volcanic) affinities of this suite may come as a surprise. I have included a few photomicrographs which illustrate the textural evidence of pyroclastic origin.

J.F. Harris Ph.D.

Slide 117X (Sample 84-12 79') AMPHIBOLITE (META-VOLCANIC)

Estimated mode

Amphibole	40
Epidote	24
Sericite	15
Chlorite	4
Carbonate	4
Plagioclase	5
Sphene	4
Opaques	4

This is a non-foliated, recrystallized rock in which the texture is dominated by porphyroblastic amphibole.

The amphibole (a pale green, weakly pleochroic variety of probable actinolitic composition) forms fibrous/acicular clumps and curving sheaves up to several mm in size. Individual amphibole crystals are 0.05 - 2.0mm in length.

The amphibole clumps are rather evenly scattered through the rock and show totally random orientation.

They are set in a matrix composed dominantly of fine-grained sericite (0.01 - 0.05mm) which often shows a rather blocky, equant texture. Locally areas of remnant felsitic plagioclase are recognizable and this was presumably the original dominant groundmass constituent. The sericitic matrix also includes irregular patches of another component. This is of uncertain composition but appears to be a mixture of very fine-grained carbonate, chlorite, epidote and leucoxene.

Epidote, as subhedral, strongly poikilitic grains, 0.1 - 0.4mm, showing a striking anomalous blue birefringence, is the other major constituent. It is developed as rather evenly distributed grains throughout the areas of seritic matrix between the amphibole sheaves. It is often rimmed by (and may have developed from) the fine-grained, ill-defined chlorite-carbonate material mentioned earlier.

Some of the epidote grains have patches of intergrown chlorite.

Sphene is an abundant accessory, occurring as irregular granules, 0.01 - 0.1mm, scattered throughout the matrix.

Opaques consist of disseminated anhedral to subhedral grains from 0.2mm down to a few microns. These are randomly distributed as regards host minerals. Some emulsion-like or skeletal intergrowths of opaques in fibrous amphibole occur, developing by coalescence to irregular poikilitic patches up to 2mm in size.

On the evidence of the cut-off chip, the opaques appear to be mainly pyrite and pyrrhotite.

Slide 118X (Sample 84-27 536') DIABASE OR BASALT

Estimated mode

Plagioclase	40
Chlorite	25
Secondary amphibole	15
Augite	15
Sphene)	
Rutile)	5

This is a classic diabase (or basalt) showing moderate deuteric alteration.

The texture appears porphyritic but is not strictly so. Although there are conspicuous large crystals set in a matrix of (or interstitially cemented by) smaller ones, there is no sharp division of coarse phenocrysts and much finer groundmass.

The plagioclase in this rock forms a non-oriented meshwork of elongate, prismatic subhedra, 0.1 - 2.0mm in size. These are clear, sharply twinned and essentially unaltered except for occasional veining by chlorite and secondary amphibole along microfractures.

The plagioclase is accompanied by abundant mafic silicates, now completely pseudomorphed by chlorite and lesser secondary amphibole. These range from 0.1 - 1.0mm in size and show well-defined crystal shapes which suggest a derivation from pyroxenes.

A considerable proportion of relatively unaltered pyroxene (augite) still survives as a finer-grained interstitial phase of subhedral granules, 0.02 - 0.1mm, together with chlorite and secondary amphibole between the coarser plagioclase and mafic pseudomorphs.

Sometimes it is difficult to be sure whether this groundmass mafic is pyroxene or amphibole as it seldom shows cleavage. Certain areas are clearly amphibole, and these frequently include finely granular and skeletal rutile. Small irregular granules of sphene and rutile/leucoxene also occur disseminated throughout.

The texture of this rock could be described as sub-ophitic, with (altered) pyroxene partly enclosing plagioclase laths and partly filling intergranularly between the plagioclase meshwork.

Slide 119X (Sample 84-28 550') DIABASE (BASALT)

Estimated mode

Plagioclase	40
Altered augite	12
Secondary amphibole	40
Fe-Ti oxides) Rutile)	8

This is a similar rock type to 118X. It shows slight differences in its texture and style of alteration.

It is texturally more bimodal than 118X. Coarser plagioclase phenocrysts range in size from 0.2 - 2.0mm and altered mafic phenocrysts from 0.2 - 0.5mm. The groundmass (which constitutes the bulk of the rock) has a grain size of about 0.1mm.

As in 118X, the plagioclase is essentially unaltered, whilst the mafic phenocrysts are strongly altered - in this case to a fine-grained fibrous material believed to be mostly secondary amphibole, sometimes with rims and veinlets of fine-grained opaques. Chlorite is apparently absent from this rock. The fibrous amphibole forms pseudomorphs having clearly defined crystal shapes typical of pyroxene - indeed a few of them include unreplaced remnants of that mineral.

The groundmass is a sub-ophitic meshwork of small plagioclase laths and granular pyroxene. Much of the latter is altered to secondary amphibole, often with abundant finely granular and skeletal Fe-Ti oxides.

Slide 120X (Sample 84-29 700') METAMORPHOSED CRYSTAL TUFF

Estimated mode

Quartz	15
Plagioclase	50
Biotite	22
Chlorite	3
Sericite	trace
Epidote	2
Amphibole	5
Sphene	2
Apatite	trace
K-feldspar	trace
Opaques	1

This is a granular, non-foliated rock consisting of anhedral, rather equant grains of quartz and plagioclase, 0.05 - 0.3mm, abundantly scattered through a recrystallised felsitic matrix of plagioclase, 0.01 - 0.02mm. The coarser plagioclase grains often show rather ill-defined margins merging with the groundmass - the result of partial recrystallization.

Biotite is the other major constituent, consisting of randomly oriented, individual, ragged, stumpy, often poikilitic grains, similar in size to the quartz and plagioclase. A minor proportion of the biotite occurs as very fine flecks in the felsitic matrix.

The biotite shows mild alteration to chlorite. The plagioclase is generally quite fresh and unaltered except marginal to a few hair-line veinlets of K-feldspar where biotite is totally converted to chlorite, and plagioclase is sericitized. The rock is also traversed by irregular veinlets of granular quartz up to 0.2mm thick which pre-date and are cut by the K-spar veinlets.

Locally amphibole is developed as sheaves of acicular crystals which grade by accretion to more compact, equant poikiloblasts. The amphibole can often be seen developing by replacement of biotite or chlorite.

Accessory constituents are epidote as small clumps of tiny granules, and irregular grains of sphene - often rimming opaques.

The opaques are sparsely disseminated anhedral grains, 0.01 - 0.05mm, probably mainly Fe-Ti oxides. They tend to be associated with biotite.

A very faint foliation which is discernable macroscopically cannot be distinguished in thin section. The rock has the texture of a crystal tuff of which the groundmass has been recrystallized, and abundant biotite and amphibole developed as porphyroblastic minerals.

No oriented fabric is apparent, suggesting that the metamorphism may have been dominantly thermal (hornfelsic) rather than dynamic.

Slide 122X (Sample 84-74 56.5') METAMORPHOSED ALTERED TUFF

Estimated mode

Plagioclase	15
Sericite	37
Chlorite	20
Biotite	8
Epidote	6
Sphene	4
Rutile) Leucoxene)	4
Apatite	2
Carbonate	trace
Zircon	trace
Opaques	4

This is a fine-grained, non-schistose rock showing a weak foliation defined by sub-parallel, banded, textural/compositional variations.

One end of the slide consists of approximately equal amounts of finely granular plagioclase, 0.01 - 0.1mm, and semi-oriented, ragged flakes of brown biotite, 0.05 - 0.2mm. Opaques (sulfides) are rather abundant, as disseminated tiny grains (0.01 - 0.05mm), coalescing to irregular elongate clusters up to 2mm or more in size. The latter have associated minor epidote and are strikingly rimmed by chlorite, grading outwards to biotite.

This unit grades, by decrease in biotite and increasing chlorite, sericite and fine-grained epidote associated with sulfides, to the dominant assemblage of the slide.

This is very rich in sericite, as a felted matrix to scattered grains of plagioclase (presumably remnants of a previously more abundant felsitic aggregate now largely altered to sericite). Chlorite forms a network of ragged grains throughout, and also some semi-continuous bands. Epidote occurs as granular clumps intimately intergrown with fine-grained sulfides. Coarser sulfide aggregates have prominent rims of chlorite.

Sphene is an abundant accessory, as disseminated irregular grains, 0.05 - 0.5mm. Diffuse patches of leucoxene, sometimes with cores of skeletal rutile, are also common.

Other banded variants are pellety masses of sericite cemented by chlorite; monomineralic felted chlorite; and rather sharply defined vein-like bodies composed of various proportions of water-clear secondary plagioclase, coarse apatite, sulfides, sericite and fine-grained epidote/leucoxene with dusty opaques.

The sulfides appear to be dominantly pyrrhotite with minor arsenopyrite.

This rock is texturally more differentiated and heterogenous than most of the suite. It has the appearance and composition of an altered fragmental (tuff) of intermediate composition.

Slide 121X (Sample 84-63 1113') METAMORPHOSED TUFF

Estimated mode

Quartz	4
Plagioclase	53
Sericite	28
Chlorite	6
Biotite	7
Sphene)	
Rutile)	trace
Apatite)	
Zircon)	
Opaques	2

This rock consists dominantly of fine-grained felsitic plagioclase, of grain size 0.01 - 0.03mm, intimately intergrown with fine-grained sericite and lesser chlorite. The latter occur as close-packed, individual, parallel-oriented flakes up to 0.1mm in size.

Somewhat coarser sub-angular grains of plagioclase (and possibly a few of quartz), 0.5 - 0.7mm in size, are scattered throughout.

The fabric exhibits a well marked foliation imparted by the flaky sericite/ chlorite and a tendency for lensoid shape of some of the coarser plagioclase grains.

Biotite occurs as rather evenly disseminated, ragged, poikilitic flakes which tend to be stumpier and less strongly oriented than the sericite.

Other than trace amounts of fine-grained accessories, the only other constituents are sulfides - apparently mostly pyrrhotite with some pyrite. These form evenly disseminated individual grains 0.01 - 0.03mm, locally aggregating to ragged clumps up to 0.2mm, often elongated parallel to the foliation.

This rock is traversed by occasional discordant hair-line veinlets of granular quartz.

This sample shows the characteristic texture of a fine-grained, bedded felsic tuff which has been metamorphosed to a sericite schist or phyllite.

Harris
EXPLORATION
SERVICES

MINERALOGY AND GEOCHEMISTRY

534 ELLIS STREET, NORTH VANCOUVER, B.C., CANADA V7H 2G6 TELEPHONE (604) 929-5867

Job # 84-69
October 22nd, 1984

Report for: J.C. Caelles,
Giant Bay Resources,
321 Bellanca Ave.,
Yellowknife, N.W.T.
X1A 1Y8

Samples:

One rock sample (JCC-1) for sectioning and petrographic report.

Description:

Slide 238X (Sample JCC-1)

Estimated mode

Quartz	17
Plagioclase	55
Biotite	10
Chlorite	6
Sericite	3
Dusty pigmentation	8
Carbonate	trace
Opaques	1

Macroscopically this is a compact, fine-grained, dark-coloured rock flecked with somewhat lighter grey.

In thin section it is found to consist of small, individual, sub-angular grains of plagioclase and quartz, and lenticular masses of finely granular quartz/feldspar, set in a cryptocrystalline groundmass containing abundant wisps of micron-sized opaque to sub-opaque material (which gives the rock its overall dark appearance).

The individual quartz and plagioclase grains are mainly in the size range 0.05 - 0.25mm. They are often flattened and elongate parallel to the wispy foliation but also show blocky, randomly oriented form. They sometimes show partial replacement by the fine matrix.

The plagioclase is either fresh or shows mild argillization and sericitization.

The microgranular clumps are larger than the individual mineral clasts, reaching sizes of up to 2mm. They are strongly ovoid or elongate/lenticular.

Red-brown biotite and green chlorite are prominent constituents of these augen-like bodies.

Biotite, as small ill-formed flakes (to 0.1mm) and clusters, also occurs disseminated throughout, replacing plagioclase grains and scattered through the matrix. Chlorite is less common in this mode.

The matrix is of very fine-grained felsitic material with intergrown biotite. It is pervaded by streaks and wisps of micron-sized dusty opaque to sub-opaque material (carbonaceous?). This outlines the mineral clasts and augen, bestowing a well-foliated, micro-lenticular texture.

The rock includes a conformable lens of black shaly material in which the dusty pigmentation is very intensely developed. It contains lenticular augen of microgranular plagioclase rimmed by chlorite. Individual quartz and feldspar grains are absent. Traces of brown carbonate occur near the margins of this black shale lens.

Opaques (probably mainly pyrrhotite) occur as disseminated ragged grains, 0.05 - 0.2mm, and elongate groups of grains paralleling the foliation.

The rock is cut by a thin veinlet of granular quartz.

Although bedding is not apparent, the overall aspect of this rock is sedimentary. However, the predominance of plagioclase over quartz, and the angularity of the grains bespeaks a proximal igneous source and a possible pyroclastic component.

The rock has some of the features of a greywacke. However, the strongly foliated, microlenticular, dark-pigmented matrix is atypical and the rock is perhaps best described as a volcaniclastic sandy siltstone.

The presence of biotite and the grain flattening and foliation is indicative of a low to moderate level of regional metamorphism.

J.F. Harris Ph.D.

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To Giant Bay Resources Ltd.
Box 321, Bellanca Avenue
Yellowknife, N.W.T.
X1A 1Y8

Date: October 5, 1984

File No.: K-6649

SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSIS CERTIFICATE

Fe, Mg, Ca, Ti, Na, K, Si, Al and P reported in %: all other elements reported in ppm.

Element	Average for Earth's Crust	Lower Detection Limit	Sample # Compo	Sample #	Element	Average for Earth's Crust	Lower Detection Limit	Sample # Compo	Sample #
Au	.004	10	L		Zr	102	10	70	
Ag	.08	.5	10		B	9	10	70	
Cu	68	5	100		Ba	390	10	150	
Pb	13	10	20		Be	2	1	3	
Zn	76	200	N		La	34.6	20	N	
Mo	1.2	5	N		Nb	20	10	N	
Fe	5.08%	0.05%	3		Sc	25	5	7	
W	1.2	50	N		Sr	384	100	200	
Ni	99	5	50		Y	31	10	N	
Co	29	10	10		Ca	4.66%	0.05%	1.5	
Cr	122	20	200		Mg	2.34%	0.02%	.7	
Cd	.16	20	N		Ti	6320	.001%	.2	
As	1.8	200	2000		Na	2.1%	.02%	1.5	
Sb	.2	100	N		K	1.8%	.5%	N	
Mn	1060	10	500		Si	27.3%	1%	G30.0	
V	136	10	100		Al	8.36%	.5%	5.0	
Bi	.0082	10	N		P	1120	.1%	.1	
Sn	2.1	10	N						

N — Not detected

G — Greater than value shown

L — Detected but below limit of determination

This certificate refers to analysis performed by Specomp Services.
Values expressed in these analyses may be considered accurate to within plus or minus 35 to 50% of the amount present.

Signed