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FARO ZONE 3  
RESERVE ESTIMATE  
HAND CALCULATED

G.I. Hall, D.J. Slack  
May 1, 1984

## INTRODUCTION

In April, 1984, tonnage and grade reserve calculations for Pb, Zn and Ag were completed by hand for the Faro Zone 3 orebody. A plan map showing the spatial relationships of the drill holes and 18 cross sections showing ore block locations are presented:

## ASSUMPTIONS AND CONDITIONS

The following assumptions and conditions are applied to the calculations of reserves for the Faro Zone 3 ore body:

- (1) Ore: greater than or equal to 4% Pb + Zn over a thickness equal to or greater than 20 feet.
- (2) Internal waste: less than 4% Pb + Zn over a thickness equal to or greater than 20 feet.
- (3) Silver not analyzed or analyzed as "trace" is considered to have the value of 0.01 g/mt. This situation only rarely occurs.
- (4) Specific gravity (S.G.) is weight averaged for each composite, then reduced by 5% to agree with a number of studies done in the past 5 years which showed that pulp S.G.s overstated whole rock S.G.s by about 5%. No reduction for mine dilution is considered.
- (5) Specific gravity values not originally recorded were estimated according to ore type as per P. Clarke correspondence on October 31, 1980. This situation only rarely occurs.
- (6) Straight lines connect the drill hole ore intersection to points half way to the next ore intersection on each section, with consideration to the overall dip of the sulphide body.
- (7) Ore blocks extend up to a maximum of 100 feet beyond the end of a section if no barren drill hole exists at the end of a section.
- (8) Ore blocks are extended one-half the horizontal distance to the adjoining section, i.e. strike length.

FARO ZONE 3 RESERVE SUMMARY

GEOLOGIC RESERVES		SECTIONS	118	THRU	135.54
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PB	ZN	AG	G/TONNE	TONNES	CU METRES
3.16	4.99	40.59		28,675,439	7,880,981
MINEABLE RESERVES		SECTIONS	118	THRU	135.54
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PB	ZN	AG	G/TONNE	TONNES	CU METRES
3.17	4.87	40.81		22,737,883	6,162,693
NON-RECOVERABLE RESE		SECTIONS	118	THRU	135.54
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PB	ZN	AG	G/TONNE	TONNES	CU METRES
3.11	5.45	39.78		5,937,556	1,718,287

SUMMARY OF METAL CONTENT

GEOLOGIC RESERVES

PB TONNES	ZN TONNES	AG OUNCES
905,087	1,431,976	410,534

MINING RESERVES

PB TONNES	ZN TONNES	AG OUNCES
720,849	1,106,577	327,336

NON RECOVERABLE RESERVES

PB TONNES	ZN TONNES	AG OUNCES
184,439	323,566	83,312

FARO ZONE 3 RESERVE SUMMARY

TOTAL GEOLOGIC RESERVES SECTIONS 118 THRU 123

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SECTION	PB%	ZN %	AG G/TONNE	TONNES	CU METRES
118.00	3.34	5.37	36.91	2,938,496	779,502
119.00	3.11	4.80	40.85	2,612,105	723,217
120.00	2.90	4.62	32.74	2,780,989	768,989
121.00	2.90	4.87	39.58	2,521,169	704,947
122.00	3.09	4.81	43.33	2,600,828	715,887
123.00	3.49	4.87	43.79	2,475,826	662,877
TOTAL	3.13	4.89	39.36	15,929,413	4,355,418

TOTAL MINING RESERVES SECTIONS 118 THRU 123

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SECTION	PB%	ZN %	AG G/TONNE	TONNES	CU METRES
118.00	3.40	5.41	38.10	2,815,194	740,533
119.00	3.13	4.76	40.50	2,367,812	648,015
120.00	3.07	4.53	35.52	2,239,871	602,455
121.00	3.13	4.82	40.51	1,936,471	520,505
122.00	3.01	4.41	47.34	2,053,902	565,542
123.00	3.55	4.95	43.47	2,193,199	591,484
TOTAL	3.22	4.84	40.73	13,606,449	3,668,535

FARO ZONE 3 RESERVE SUMMARY

TOTAL NON-RECOVERABLE RESERVES SECTIONS 118 THRU 123

SECTION	PB%	ZN %	AG G/TONNE	TONNES	CU METRES
118.00	2.32	4.62	14.26	123,302	38,969
119.00	2.94	5.15	43.86	244,293	75,202
120.00	2.29	4.94	22.70	541,118	166,534
121.00	2.24	5.03	36.96	584,699	184,442
122.00	3.37	6.30	28.25	546,926	150,344
123.00	3.00	4.20	46.44	282,626	71,393
TOTAL	2.66	5.19	32.05	2,322,964	686,884

FARO ZONE 3 RESERVE SUMMARY

TOTAL GEOLOGIC RESERVES SECTIONS 124+22 THRU 135+54

SECTION	PB%	ZN %	AG G/TONNE	TONNES	CU METRES
124.22	2.97	4.70	41.06	2,108,350	564,884
125.00	3.33	5.16	45.03	1,184,971	313,998
126.23	3.73	5.78	46.94	2,217,011	603,950
127.09	3.55	5.85	45.43	1,539,073	411,040
128.20	3.19	5.70	32.37	974,360	263,047
129.00	2.90	5.14	37.39	804,947	230,409
130.00	2.63	4.34	32.13	1,913,793	544,199
131.22	2.76	4.68	43.32	782,833	230,738
132.52	3.11	4.99	47.11	704,705	207,611
133.00	3.29	4.42	61.50	197,009	61,674
134.47	2.70	4.65	39.85	92,708	30,429
135.54	4.48	4.65	73.39	226,263	63,583
TOTAL	3.18	5.12	42.10	12,746,023	3,525,562

TOTAL MINING RESERVES SECTIONS 124+22 THRU 135+54

SECTION	PB%	ZN %	AG G/TONNE	TONNES	CU METRES
124.22	3.14	4.70	44.15	1,356,772	364,212
125.00	3.33	5.15	44.40	1,121,334	295,781
126.23	3.19	4.68	42.71	1,630,592	437,274
127.09	3.53	5.76	43.28	1,103,763	289,976
128.20	3.08	5.41	33.65	772,468	206,866
129.00	2.81	4.98	33.01	586,336	165,081
130.00	2.68	4.40	30.76	1,153,565	315,795
131.22	2.80	4.67	46.52	699,544	208,849
132.52	2.95	4.84	43.18	532,632	156,437
133.00	3.22	4.31	56.57	174,426	53,887
134.47	ERR	ERR	ERR	0	0
135.54	ERR	ERR	ERR	0	0
TOTAL	3.09	4.91	40.93	9,131,432	2,494,158

FARO ZONE 3 RESERVE SUMMARY

TOTAL NON-RECOVERABLE RESERVES SECTIONS 124+22 THRU 135+54

SECTION	PB%	ZN %	AG G/TONNE	TONNES	CU METRES
124.22	2.67	4.71	35.47	751,579	200,672
125.00	3.28	5.34	55.26	63,637	18,217
126.23	5.14	8.65	58.03	586,418	166,676
127.09	3.58	6.09	50.57	435,309	121,064
128.20	3.59	6.79	27.62	201,893	56,181
129.00	3.13	5.56	48.45	218,610	65,328
130.00	2.56	4.27	34.03	760,228	228,404
131.22	2.33	4.82	12.76	83,289	21,889
132.52	3.60	5.44	59.13	172,073	51,174
133.00	3.76	5.20	95.61	22,583	7,787
134.47	2.70	4.65	39.85	92,708	30,429
135.54	4.48	4.65	73.39	226,263	63,583
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TOTAL	3.40	5.62	44.93	3,614,592	1,031,404

FARO ZONE 3 RESERVE SUMMARY

SECTION RESERVE SUMMARY

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SECTION 118+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
71002	-1	2.31	4.42	0.01	60489
66005	-2	1.79	3.67	31.22	32508
66005	2	1.79	3.67	31.22	27420
75011	3	3.96	6.14	44.68	183478
66052	4	5.10	6.81	54.63	434328
80001	5	4.88	6.39	67.80	73298
80001	6	2.88	4.83	34.54	171286
66003	7	5.15	8.03	78.4	93903
66003	8	2.58	3.89	35.72	303571
66046	9	3.09	4.95	29.63	744314
66046	-9	3.09	4.95	29.63	9343
79003	10	5.77	6.18	83.24	108377
79003	11	2.78	4.66	19.19	116798
79003	12	2.33	4.99	8.97	84916
66006	13	1.83	4.55	26.13	78754
66006	14	2.59	5.81	27.39	236063
74001	15	2.53	3.17	35.82	26931
74001	16	2.33	5.81	25.23	104057
74001	17	3.07	7.05	25.15	27699
74001	-17	3.07	7.05	25.15	20962

# CURRAGH RESOURCES

Sample Assay Sheet

Production Date: 16 May 92

Sample Origin: Undergrounds

	Sample Number	Pb	Zn	Fe	Ag	Cu				
1	232110	4.35	7.65	29.2	55 /					
2	232111	3.32	6.08	35.8	55 /					
3	232112	3.55	6.27	43.3	90 /					
4	232113	2.73	0.45	13.0	70 /					
5	232114	0.94	2.42	7.41	30 /					
6	232115	4.48	7.99	35.8	50 /					
7	232116	5.80	9.85	30.5	90 /					
8	232117	5.28	7.84	31.5	75 /					
9	232118	2.85	5.34	20.8	45 /					
10	232119	0.51	6.32	36.3	75 /					
11	232120	2.76	3.47	10.4	40 /					
12	232121	5.47	7.94	35.5	75 /					
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*Neil Ross*  
May 16/92

FARO ZONE 3 RESERVE SUMMARY

SECTION 120+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
71003	-32	1.61	2.85	0.01	167692
71003	32	1.61	2.85	0.01	26951
70017	33	4.12	5.96	0.01	125769
80005	34	4.30	5.97	60.76	193041
66049	35	3.27	4.30	44.63	402657
74015	-36	2.94	4.05	37.53	20513
74015	36	2.94	4.05	37.53	631162
80008	37	3.09	3.53	65.37	92823
80008	38	2.54	3.22	37.20	103886
80008	39	2.22	4.65	12.14	148113
66007	-40	3.20	6.93	21.09	43415
66007	40	3.20	6.93	21.09	245038
74007	41	3.00	2.56	48.63	155144
74007	42	1.09	2.99	12.02	85495
74007	43	2.85	6.74	23.62	29791
74007	-43	2.85	6.74	23.62	120516
74007	-44	2.25	5.09	36.03	188981

FARO ZONE 3 RESERVE SUMMARY

SECTION 121+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
76010	-45	2.92	4.84	29.85	17574
76010	45	2.92	4.84	29.85	127411
76007	46	3.67	5.12	52.00	625738
76006	47	6.68	6.76	88.53	184835
76006	48	2.80	4.21	36.24	291321
76006	49	2.25	3.84	33.04	79130
76006	50	2.25	4.40	63.47	11076
76006	-50	2.25	4.40	63.47	83289
76012	51	1.82	2.45	23.07	145289
76012	52	1.50	4.52	23.91	120437
76012	53	3.21	7.00	27.67	110333
76012	-53	3.21	7.00	27.67	231807
75003	54	2.08	4.46	17.98	103988
75003	55	1.81	4.17	15.22	48418
75003	-55	1.81	4.17	15.22	11777
75003	-56	1.29	3.18	26.70	126035
75010	57	1.49	3.84	16.37	88495
75010	-57	1.49	3.84	16.37	19151
75010	-58	1.71	4.65	55.38	95065

FARO ZONE 3 RESERVE SUMMARY

SECTION 122+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
70012	59	3.85	5.70	42.97	137887
70012	-59	3.85	5.70	42.97	93167
74017	60	3.89	5.19	89.04	337201
67012	61	3.07	3.81	45.08	133974
67012	62	2.84	4.81	38.46	295903
80007	63	3.14	4.93	44.60	493790
66010	64	2.43	2.33	42.43	108813
66010	65	2.06	3.48	23.74	179992
66010	-65	2.06	3.48	23.74	98977
80006	66	2.50	2.62	35.56	190403
80006	-66	2.50	2.62	35.56	37301
80006	-67	4.92	9.86	31.47	201309
72016	68	2.13	4.10	23.85	164371
72016	-69	1.52	4.45	11.13	81473
76001	70	2.26	3.30	20.60	11567
76001	-70	2.26	3.30	20.60	34701

FARO ZONE 3 RESERVE SUMMARY

SECTION 123+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
76009	71	3.90	4.86	56.74	320455
76008	72	3.43	4.58	44.54	788375
76005	73	4.75	6.38	57.48	173548
76005	74	2.99	2.49	48.32	135621
76005	75	3.40	4.87	26.89	345924
76005	-75	3.40	4.87	26.89	79392
76003	76	4.27	6.17	64.33	128109
76003	77	2.31	4.54	20.05	65162
76003	-77	2.31	4.54	20.05	50478
76003	78	2.97	6.76	18.81	169621
76002	79	3.68	4.95	51.47	66383
76002	-79	3.68	4.95	51.47	88511
76002	-80	2.30	2.52	76.39	64245

FARO ZONE 3 RESERVE SUMMARY

SECTION 124+22

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
75456-18	-81	3.02	3.94	93.43	60347
82F-13	-82	1.86	3.88	43.58	24979
71-04	83	2.55	4.15	0.01	91776
82F-11	84	3.24	5.01	55.97	92205
67-30	85	3.97	4.43	59.71	142859
82F-09	86	2.91	3.04	52.33	45481
82F-09	87	3.48	3.66	58.61	100908
67-11	88	3.59	2.98	64.75	40034
67-11	89	2.77	5.04	34.54	224146
82F-06	90	3.47	5.98	46.82	65271
82F-06	91	2.97	5.62	43.67	359741
82F-06	-91	2.97	5.62	43.67	113961
67-06	92	3.23	3.80	52.04	102923
67-06	93	2.78	4.27	27.49	41360
67-06	-93	2.78	4.27	27.49	269742
76-04	94	3.27	3.88	40.51	40868
76-04	-94	3.27	3.88	40.51	7890
76-04	95	2.08	2.50	19.06	9200
76-04	-95	2.08	2.50	19.06	106888
76-04	-96	3.27	7.25	29.99	73979
67-09	-97	2.00	4.43	29.75	38338
82F-01	-98	2.35	6.44	24.31	55454

FARO ZONE 3 RESERVE SUMMARY

SECTION 125+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
82F-10	99	3.44	5.79	62.48	47835
82F-10	-99	3.44	5.79	62.48	47033
77-16	100	4.20	5.68	64.58	192292
82F-08	101	2.04	2.67	38.60	40067
82F-08	102	3.06	4.57	61.72	116284
77-17	103	4.80	5.80	76.73	63966
77-17	104	3.18	4.90	37.33	149855
80-02	105	4.02	7.84	47.38	43809
80-02	106	3.07	5.38	35.10	136227
77-09	107	3.21	5.44	37.75	29757
77-09	108	3.15	5.46	23.42	192726
80-04	109	1.98	3.39	13.66	74383
80-04	-109	1.98	3.39	13.66	5561
77-01	110	3.13	4.00	39.44	34134
77-01	-110	3.13	4.00	39.44	11043

FARO ZONE 3 RESERVE SUMMARY

SECTION 126+23

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
83F-19	-111	5.41	10.18	78.47	134730
72-13	-112	6.69	6.85	79.13	187008
71-05	113	2.95	4.65	51.55	36217
71-05	-113	2.95	4.65	51.55	63541
82F-07	114	2.42	4.32	45.85	117756
74-08	115	3.25	4.27	45.97	140398
74-08	116	4.10	4.00	71.68	217754
67-03	117	4.18	5.52	58.53	110809
67-03	118	2.83	5.30	35.60	308422
67-03	-118	2.83	5.30	35.60	13475
80-03	119	3.15	5.05	35.73	63893
80-03	120	2.43	3.73	25.96	197797
67-10	121	3.20	1.88	60.20	59494
67-10	122	2.44	4.45	22.28	182151
67-10	-122	2.44	4.45	22.28	11923
77-02	123	4.10	6.23	34.82	186979
77-02	124	5.90	14.80	29.56	8923
77-02	-124	5.90	14.80	29.56	120617
72-15	-125	2.18	5.23	19.59	55125

FARO ZONE 3 RESERVE SUMMARY

SECTION 127+09

HOLE	BLOCK	FB	ZN	Ag g/t	TONNES
82F-16	-126	3.31	5.19	65.29	94303
82F-14	127	4.41	6.50	64.19	4099
82F-14	-127	4.41	6.50	64.19	196306
77-15	128	2.67	4.63	33.56	225908
82F-05	129	3.50	5.41	62.82	114331
77-13	130	5.43	5.13	78.71	61240
77-13	131	3.41	5.85	44.29	246439
77-10	132	6.54	9.50	90.10	98683
77-10	133	3.41	6.23	24.83	209359
82F-03	134	2.83	5.20	21.85	126876
82F-03	-134	2.83	5.20	21.85	47828
77-03	135	2.13	3.86	20.51	16828
77-03	-135	2.13	3.86	20.51	31853
77-03	-136	2.98	7.67	26.75	65020

FARO ZONE 3 RESERVE SUMMARY

SECTION 128+20

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
70-13	-137	2.38	4.28	30.22	41857
82F-17	138	3.63	5.73	56.15	37290
82F-17	-138	3.63	5.73	56.15	8649
81-13	139	3.25	4.20	37.45	40932
81-13	140	1.89	3.39	28.59	31424
67-05	141	1.82	3.16	28.43	32270
67-05	142	2.55	5.15	29.45	229858
81-14	143	1.36	4.24	22.00	34063
81-14	144	5.42	8.00	80.68	65953
81-14	145	5.40	11.36	30.92	72417
67-04	146	0.80	3.90	14.23	14151
67-04	147	1.79	3.16	24.63	30244
67-04	148	3.16	3.58	27.81	158495
67-04	-148	3.16	3.58	27.81	15505
67-04	149	4.66	9.44	20.88	25371
67-04	-149	4.66	9.44	20.88	87174
67-08	-150	3.10	5.89	31.04	48707

FARO ZONE 3 RESERVE SUMMARY

SECTION 129+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
83F-12	-151	3.37	6.47	58.23	81861
83F-15	-152	3.41	5.45	52.61	89535
81-02	153	2.14	3.39	31.40	42884
77-12	154	2.55	4.87	29.92	137616
81-18	155	3.15	6.18	42.83	22259
81-18	156	2.31	3.82	34.49	80573
81-18	157	1.54	3.41	22.89	18188
81-18	-157	1.54	3.41	22.89	15617
81-10	158	4.04	4.55	55.10	66734
81-11	159	2.69	4.78	35.67	28596
81-11	160	3.51	7.13	29.61	112348
81-15	161	2.71	4.81	26.41	77139
81-15	-161	2.71	4.81	26.41	31598

FARO ZONE 3 RESERVE SUMMARY

SECTION 130+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
75456-15	-162	3.01	5.09	45.85	179346
82F-15	-163	2.41	4.52	39.64	142840
82F-12	-164	2.36	4.05	38.98	94765
66E-05	165	2.23	4.00	37.78	126371
66E-05	-165	2.23	4.00	37.78	13336
74-20	166	3.07	4.46	36.88	167095
66E-06	167	2.60	4.22	33.04	144186
81-12	168	1.95	2.19	27.27	20540
81-12	169	3.18	5.77	36.70	155822
81-12	-169	3.18	5.77	36.70	6541
81-12	-170	4.20	1.63	26.85	18679
74-10	171	3.85	5.46	55.67	58072
74-10	172	2.58	5.15	19.69	165608
74-10	-172	2.58	5.15	19.69	36073
66E-09	173	1.73	3.40	11.35	33569
66E-09	174	2.10	2.98	22.84	232897
66E-09	-174	2.10	2.98	22.84	66887
77-07	175	3.98	5.74	29.29	46372
77-07	-175	3.98	5.74	29.29	21272
77-07	-176	1.72	3.82	10.38	27783
81-19	177	2.88	4.15	32.50	3032
81-19	-177	2.88	4.15	32.50	106564
67-02	-178	1.26	3.07	8.15	46142

FARO ZONE 3 RESERVE SUMMARY

SECTION 131+22

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
74-19	179	1.74	3.31	42.09	112081
81-01	180	1.89	2.84	50.89	141296
74-11	181	3.56	6.99	37.09	147386
81-20	182	3.29	6.57	38.97	129593
81-20	-182	3.29	6.57	38.97	3038
75-04	183	4.31	6.86	67.28	36366
75-04	184	3.14	2.65	38.05	72089
75-04	185	2.29	4.75	11.66	5767
75-04	-185	2.29	4.75	11.66	80251
81-16	186	3.98	6.37	84.25	24136
81-16	187	4.52	3.06	93.57	30831

FARO ZONE 3 RESERVE SUMMARY

SECTION 132+52

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
83F-02	-188	3.46	5.12	55.37	134332
66E-07	189	4.02	6.39	70.41	22016
66E-07	-189	4.02	6.39	70.41	37741
81-04	190	2.68	2.97	53.60	54146
66E-04	191	3.30	4.70	48.66	124737
74-18	192	2.22	4.23	32.77	94136
66E-01	193	3.59	6.61	44.00	92950
81-08	194	2.66	4.82	35.60	144647

FARO ZONE 3 RESERVE SUMMARY

SECTION 133+00

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
81-5	195	3.76	5.20	95.61	29527
81-5	-195	3.76	5.20	95.61	22583
74-21	196	3.02	3.72	42.62	82314
81-06	197	3.21	4.64	54.23	62585

FARO ZONE 3 RESERVE SUMMARY

SECTION 134+47

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
83F-08	-198	2.20	4.03	37.98	29821
83F-07	-199	2.95	4.96	40.78	62887

FARO ZONE 3 RESERVE SUMMARY

SECTION 135+54

HOLE	BLOCK	PB	ZN	Ag g/t	TONNES
83F-11	-200	5.32	5.30	88.82	104633
83F-18	-201	4.23	4.81	64.02	64826
82F-24	-202	3.41	3.46	58.87	56805