003863

VANGORDA SECTIONAL RESERVE CALCULATIONS
NONCARBONACEOUS ORE TYPES FOR CROSS-SECTIONS 2+00W TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
02+00W	7.21	3.02	4.19	36.15	0.41	12468	34217	2469	1035	1434	1237	14
01+00W	0	0	0	0	0	0	0	0	0	0	0	0
00+00E	9.47	3.6	5.88	54.59	0.8	50645	147836	14006	5318	8688	8070	118
01+00E	8.11	3.75	4.36	50.9	0	4968	14460	1172	542	630	736	0
02+00E	8.28	3.47	4.81	43.7	0.62	35763	101627	8410	3522	4888	4441	63
03+00E	6.62	2.31	4.31	39.8	0.63	6390	17659	1169	408	761	703	11
04+00E	7.5	2.91	4.59	42.2	0.72	3121	8686	652	253	399	367	6
05+00E	7.51	2.82	4.69	36.7	0.29	2912	8362	628	236	392	307	2
06+00E	9.88	4.01	5.87	63.38	0.6	10593	32607	3222	1307	1915	2067	20
07+00E	0	0	0	0	0	0	0	0	0	0	0	0
08+00E	8.93	3.07	5.86	50.4	1.14	4050	12383	1106	380	726	624	14
09+00E	0	0	0	0	0	0	0	0	0	0	0	0
10+00E	9.29	3.31	5.98	48.5	0.98	3915	11433	1062	378	684	555	11
11+00E	0	0	0	0	0	0	0	0	0	0	0	0
12+00E	9.61	4.12	5.5	58.59	0.42	22969	72086	6930	2968	3962	4223	30
13+00E	0	0	0	0	0	0	0	0	0	0	0	0
14+00E	10.81	3.45	7.37	8.49	0.13	3468	9924	1073	342	731	84	1
15+00E	7.88	4.63	3.25	60	0.51	1980	4851	383	225	158	291	2
16+00E	0	0	0	0	0	0	0	0	0	0	0	0
17+00E	0	0	0	0	0	0	0	0	0	0	0	0
18+00E	0	0	0	0	0	0	0	0	0	0	0	0
19+00E	0	0	0	0	0	0	0	0	0	0	0	0
20+00E	11.12	4.23	6.89	63.39	0.65	8264	27529	3061	1165	1896	1745	18
21+00E	9.65	3.38	6.27	47.7	0.46	227	711	69	24	45	34	0
22+00E	9.37	3.16	6.2	33.99	0.31	3548	10301	965	326	639	350	3
23+00E	0	0	0	0	0	0	0	0	0	0	0	0
24+00E	7.27	2.39	4.88	16.93	0.07	7423	21670	1575	518	1057	367	2
25+00E	0	0	0	0	0	0	0	0	0	0	0	0
26+00E	7	2.49	4.51	35.35	0.01	8370	26248	1839	654	1185	928	0
27+00E	0	0	0	0	0	0	0	0	0	0	0	0
28+00E	0	0	0	0	0	0	0	0	0	0	0	0
29+00E	0	0	0	0	0	0	0	0	0	0	0	0
30+00E	0	0	0	0	0	0	0	0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
191,074	562,590	49,791	19,601	30,190	27,129	315

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
8.85	3.48	5.37	48.22	0.56

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS) APRIL, 1990
CARBONACOUS ORE TYPES; CROSS-SECTIONS 02+00W TO 30+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
02+00W	7.35	3.08	4.27	37.54	0.39	10323	28521	2095	877	1218	1071	11
01+00W	0	0	0	0	0	0	0	0	0	0	0	0
00+00E	9.62	3.7	5.93	54.77	0.84	43400	125871	12115	4657	7458	6894	106
01+00E	8.11	3.75	4.36	50.9	0	4968	14460	1173	542	630	736	0
02+00E	8.07	3.48	4.58	40.84	0.58	28998	82588	6664	2878	3786	3373	48
03+00E	6.62	2.31	4.31	39.8	0.63	6390	17659	1169	408	761	703	11
04+00E	7.5	2.91	4.59	42.2	0.72	3121	8686	651	253	399	367	6
05+00E	7.51	2.82	4.69	36.7	0.29	2912	8362	628	236	392	307	2
06+00E	8.46	3.85	4.61	56.3	0.66	5103	14853	1257	572	685	836	10
07+00E	0	0	0	0	0	0	0	0	0	0	0	0
08+00E	0	0	0	0	0	0	0	0	0	0	0	0
09+00E	0	0	0	0	0	0	0	0	0	0	0	0
10+00E	0	0	0	0	0	0	0	0	0	0	0	0
11+00E	0	0	0	0	0	0	0	0	0	0	0	0
12+00E	15.72	5.72	10	53.5	0.22	6565	22260	3499	1273	2226	1191	5
13+00E	0	0	0	0	0	0	0	0	0	0	0	0
14+00E	10.81	3.45	7.37	8.49	0.13	3468	9924	1073	342	731	84	1
15+00E	7.88	4.63	3.25	60	0.51	1980	4851	382	225	158	291	2
16+00E	0	0	0	0	0	0	0	0	0	0	0	0
17+00E	0	0	0	0	0	0	0	0	0	0	0	0
18+00E	0	0	0	0	0	0	0	0	0	0	0	0
19+00E	0	0	0	0	0	0	0	0	0	0	0	0
20+00E	11.14	4.24	6.9	63.15	0.66	7073	23867	2659	1013	1647	1507	16
21+00E	9.65	3.38	6.27	47.7	0.46	227	711	69	24	45	34	0
22+00E	9.37	3.16	6.2	33.99	0.31	3548	10301	965	326	639	350	3
23+00E	0	0	0	0	0	0	0	0	0	0	0	0
24+00E	7.89	2.83	5.06	31.78	0.14	3943	11541	910	326	584	367	2
25+00E	0	0	0	0	0	0	0	0	0	0	0	0
26+00E	0	0	0	0	0	0	0	0	0	0	0	0
27+00E	0	0	0	0	0	0	0	0	0	0	0	0
28+00E	0	0	0	0	0	0	0	0	0	0	0	0
29+00E	0	0	0	0	0	0	0	0	0	0	0	0
30+00E	0	0	0	0	0	0	0	0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
132,019	384,455	35,309	13,952	21,359	18,111	223

AVERAGE GRADE FOR CARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
9.18%	3.63%	5.56%	47.11	0.58

VANGORDA SECTIONAL RESERVE CALCULATIONS

CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED, CROSS-SECTIONS 02+00W TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
02+00W	9.12	4.13	4.99	49.09	0.53	30,033	99,673	9090	4,115	4,975	4,893	52
01+00W	0	0	0	0	0	0	0	0	0	0	0	0
00+00E	11.27	5.04	6.24	81.56	0.82	155,828	579,276	65313	29,173	36,140	47,244	477
01+00E	10.4	4.01	6.4	66.15	0	20,903	78,910	8209	3,161	5,048	5,220	0
02+00E	10.88	4.93	5.95	73.36	0.49	181,960	715,794	77889	35,323	42,566	52,512	353
03+00E	10.17	4.42	5.75	59.77	0.45	98,554	393,743	40046	17,400	22,646	23,533	177
04+00E	10.78	4.64	6.14	65.96	0.97	136,433	537,275	57905	24,941	32,964	35,438	524
05+00E	11.44	5.09	6.35	68.4	1.04	51,717	209,554	23975	10,673	13,302	14,333	219
06+00E	11.75	5.61	6.14	73.84	0.66	110,453	442,001	51917	24,779	27,138	32,639	290
07+00E	9.22	4.14	5.08	60.43	0.89	51,447	218,406	20137	9,038	11,099	13,198	195
08+00E	11.82	5.47	6.35	75.56	1	100,686	408,556	48276	22,338	25,938	30,870	407
09+00E	10.87	5.08	5.8	63.38	1.22	23,338	96,185	10457	4,882	5,575	6,097	118
10+00E	11.86	5.23	6.63	67.29	0.62	72,839	288,021	34151	15,056	19,095	19,380	178
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18439	8,227	10,212	10,608	149
12+00E	8.66	3.92	4.74	51.77	0.72	94,568	354,184	30676	13,871	16,805	18,338	256
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5673	2,815	2,858	3,824	55
14+00E	11	5.03	5.96	42.06	0.39	63,817	254,444	27987	12,811	15,176	10,701	99
15+00E	10.05	4.58	5.48	60.05	0.6	18,933	69,731	7009	3,191	3,818	4,187	42
16+00E	8.58	3.95	4.63	53.94	0.65	30,635	108,323	9294	4,280	5,014	5,843	71
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8465	3,935	4,530	4,892	66
18+00E	10.03	4.07	5.96	42.87	0.57	39,702	153,937	15442	6,260	9,182	6,600	87
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6425	2,846	3,579	3,783	52
20+00E	11	4.09	6.91	66.7	0.56	29,620	112,632	12387	4,607	7,780	7,513	63
21+00E	9.58	4.32	5.26	67.23	1.06	5,735	22,968	2199	991	1,208	1,544	24
22+00E	9.55	4.27	5.28	60.17	0.84	57,595	221,149	21126	9,445	11,681	13,306	187
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3407	1,757	1,650	1,996	24
24+00E	11.28	4.83	6.45	51.32	0.44	65,025	255,140	28787	12,322	16,465	13,094	113
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2916	1,851	1,065	1,882	28
26+00E	9.32	4.04	5.28	56.66	0.71	20,004	72,391	6745	2,926	3,819	4,102	51
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2834	1,112	1,722	1,918	27
28+00E	12.93	5.86	7.07	65.49	1.15	9,578	41,697	5393	2,445	2,948	2,731	48
29+00E	17.1	6.08	11.02	80.8	1.49	2,160	10,224	1749	622	1,127	826	15
30+00E	12.7	8.28	4.42	95.69	4.01	7,015	28,239	3586	2,339	1,247	2,702	113

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
1,575,743	6,168,739	667,904	299,532	368,372	405,747	4,560

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.83	4.86	5.97	65.77	0.74

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS) APRIL, 1990
CARBONACEOUS AND NONCARBONACOUS ORE TYPES COMBINED; X-SECTIONS 02+00W - 30+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
02+00W	7.89	3.39	4.5	37.57	0.32	17,748	53,334	4,209	1,808	2,401	2,004	17
01+00W	0	0	0	0	0	0	0	0	0	0	0	0
00+00E	11.5	5.16	6.34	83.55	0.83	142,846	533,915	61,423	27,551	33,872	44,608	441
01+00E	9.87	3.83	6.04	68.59	0	11,318	39,430	3,890	1,509	2,381	2,704	0
02+00E	11.13	5.12	6.01	75.54	0.43	155,121	615,214	68,494	31,496	36,997	46,471	264
03+00E	10.32	4.43	5.89	62.5	0.59	71,523	285,651	29,492	12,653	16,839	17,854	170
04+00E	10.86	4.57	6.3	66.08	0.92	112,556	439,363	47,728	20,067	27,661	29,033	404
05+00E	11.44	5.09	6.35	68.4	1.04	51,717	209,554	23,975	10,673	13,302	14,333	219
06+00E	12.42	5.88	6.54	79.83	0.69	84,449	345,506	42,904	20,299	22,605	27,583	239
07+00E	9.21	4.14	5.07	60.35	0.9	50,175	213,134	19,638	8,823	10,815	12,862	191
08+00E	12.05	5.7	6.35	77	0.99	83,159	341,774	41,167	19,466	21,701	26,316	339
09+00E	11.03	5.2	5.83	60.95	1.21	11,767	48,897	5,393	2,541	2,851	2,980	59
10+00E	12.06	5.46	6.6	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18,440	8,227	10,212	10,608	149
12+00E	9.5	4.1	5.41	50.28	0.77	56,301	218,984	20,811	8,973	11,837	11,011	168
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55
14+00E	11.32	5.11	6.21	42.26	0.4	57,668	230,780	26,129	11,792	14,337	9,752	92
15+00E	10.05	4.58	5.48	60.05	0.6	18,933	69,731	7,009	3,191	3,818	4,187	42
16+00E	8.78	3.94	4.84	55.56	0.57	22,441	81,367	7,145	3,204	3,942	4,520	47
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8,466	3,935	4,530	4,892	66
18+00E	10.19	4.08	6.11	40.21	0.5	33,424	129,837	13,233	5,298	7,935	5,220	65
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6,424	2,846	3,579	3,783	52
20+00E	11.02	4.2	6.82	66.47	0.65	24,381	94,007	10,360	3,945	6,414	6,248	61
21+00E	10.3	4.49	5.82	68.65	0.99	4,755	18,851	1,942	846	1,097	1,294	19
22+00E	9.55	4.27	5.28	60.17	0.84	57,595	221,149	21,126	9,445	11,681	13,306	187
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24
24+00E	11.78	5.08	6.69	57.74	0.5	54,575	219,234	25,816	11,145	14,671	12,658	110
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28
26+00E	11.67	5.56	6.11	76.22	1.35	8,530	35,527	4,145	1,975	2,170	2,708	48
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2,833	1,112	1,722	1,918	27
28+00E	13.83	6.52	7.31	77.61	1.36	7,600	33,426	4,624	2,180	2,444	2,594	46
29+00E	17.1	6.08	11.02	80.8	1.49	1,188	5,623	962	342	620	454	8
30+00E	12.63	8.14	4.49	94.5	3.94	6,740	27,329	3,451	2,224	1,228	2,583	108

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
1,297,484	5,124,919	569,395	255,836	313,559	346,222	3,867

AVERAGE GRADE FOR CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.11%	4.99%	6.12%	67.56	0.75

VANGORDA SECTIONAL RESERVE CALCULATIONS
CARBONACEOUS ORE TYPES "A" FOR CROSS-SECTIONS 2+00W TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
02+00W	10.12	4.71	5.41	55.86	0.59	17,565	65,456	6,622	3,081	3,541	3,656	38
01+00W	0	0	0	0	0	0	0	0	0	0	0	0
00+00E	11.89	5.53	6.36	90.8	0.83	105,184	431,440	51,307	23,855	27,452	39,173	358
01+00E	10.92	4.06	6.85	69.58	0	15,935	64,450	7,037	2,619	4,418	4,484	0
02+00E	11.31	5.18	6.13	78.27	0.47	146,197	614,168	69,479	31,801	37,678	48,071	291
03+00E	10.34	4.52	5.82	60.7	0.44	92,164	376,084	38,877	16,992	21,885	22,830	166
04+00E	10.83	4.67	6.16	66.35	0.98	133,312	528,590	57,254	24,689	32,565	35,072	517
05+00E	11.6	5.19	6.42	69.71	1.08	48,805	201,192	23,347	10,437	12,910	14,026	216
06+00E	11.89	5.73	6.16	74.68	0.66	99,860	409,394	48,695	23,472	25,223	30,572	270
07+00E	9.22	4.14	5.08	60.43	0.89	51,447	218,406	20,137	9,038	11,099	13,198	195
08+00E	11.91	5.54	6.36	76.35	0.99	96,636	396,173	47,171	21,958	25,213	30,246	392
09+00E	10.87	5.08	5.8	63.38	1.22	23,338	96,185	10,457	4,882	5,575	6,097	118
10+00E	11.96	5.31	6.66	68.06	0.6	68,924	276,587	33,088	14,677	18,411	18,825	167
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18,439	8,227	10,212	10,608	149
12+00E	8.42	3.86	4.55	50.03	0.8	71,599	282,098	23,747	10,903	12,844	14,114	226
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55
14+00E	11.01	5.1	5.91	43.42	0.4	60,348	244,520	26,914	12,469	14,445	10,617	97
15+00E	10.21	4.57	5.64	60.05	0.6	16,953	64,880	6,627	2,966	3,661	3,896	39
16+00E	8.58	3.95	4.63	53.94	0.65	30,635	108,323	9,294	4,280	5,014	5,843	71
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8,465	3,935	4,530	4,892	66
18+00E	10.03	4.07	5.96	42.87	0.57	39,702	153,937	15,442	6,260	9,182	6,600	87
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6,425	2,846	3,579	3,783	52
20+00E	10.96	4.04	6.91	67.77	0.53	21,356	85,103	9,325	3,441	5,884	5,767	45
21+00E	9.57	4.35	5.23	67.85	1.08	5,508	22,257	2,130	967	1,163	1,510	24
22+00E	9.56	4.32	5.24	61.45	0.87	54,047	210,847	20,161	9,119	11,042	12,956	183
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24
24+00E	11.66	5.06	6.6	54.51	0.48	57,602	233,470	27,213	11,805	15,408	12,727	111
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28
26+00E	10.63	4.93	5.71	68.79	1.11	11,634	46,142	4,907	2,273	2,634	3,174	51
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2,834	1,112	1,722	1,918	27
28+00E	12.93	5.86	7.07	65.49	1.15	9,578	41,697	5,393	2,445	2,948	2,731	48
29+00E	17.1	6.08	11.02	80.8	1.49	2,160	10,224	1,749	622	1,127	826	15
30+00E	12.7	8.28	4.42	95.69	4.01	7,015	28,239	3,586	2,339	1,247	2,702	113

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
1,384,669	5,606,148	618,118	279,933	338,185	378,616	4,239

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
11.03	4.99	6.03	67.54	0.76

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS) APRIL, 1990
NONCARBONACOUS ORE TYPES; CROSS-SECTIONS 02+00W - 30+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
02+00W	8.52	3.75	4.77	37.6	0.25	7,425	24,813	2,114	930	1,184	933	6
01+00W	0	0	0	0	0	0	0					
00+00E	12.08	5.61	6.47	92.43	0.82	99,446	408,044	49,308	22,894	26,414	37,714	335
01+00E	10.88	3.87	7.01	78.83	0	6,350	24,970	2,718	967	1,751	1,968	0
02+00E	11.61	5.37	6.24	80.92	0.41	126,124	532,626	61,830	28,619	33,211	43,098	216
03+00E	10.57	4.57	6	64	0.59	65,133	267,992	28,323	12,246	16,078	17,151	159
04+00E	10.93	4.6	6.33	66.56	0.92	109,435	430,677	47,077	19,815	27,262	28,666	398
05+00E	11.6	5.19	6.42	69.71	1.08	48,805	201,192	23,347	10,437	12,910	14,026	216
06+00E	12.6	5.97	6.63	80.89	0.69	79,346	330,653	41,648	19,728	21,920	26,746	230
07+00E	9.21	4.14	5.07	60.35	0.9	50,175	213,134	19,638	8,823	10,815	12,862	191
08+00E	12.05	5.7	6.35	77	0.99	83,159	341,774	41,167	19,466	21,701	26,316	339
09+00E	11.03	5.2	5.83	60.95	1.21	11,767	48,897	5,393	2,541	2,851	2,980	59
10+00E	12.06	5.46	6.6	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18,440	8,227	10,212	10,608	149
12+00E	8.8	3.91	4.89	49.92	0.83	49,736	196,724	17,311	7,700	9,611	9,821	163
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55
14+00E	11.34	5.18	6.16	43.77	0.41	54,200	220,856	25,055	11,450	13,606	9,667	90
15+00E	10.21	4.57	5.64	60.05	0.6	16,953	64,880	6,627	2,966	3,661	3,896	39
16+00E	8.78	3.94	4.84	55.56	0.57	22,441	81,367	7,145	3,204	3,942	4,520	47
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8,466	3,935	4,530	4,892	66
18+00E	10.19	4.08	6.11	40.21	0.5	33,424	129,837	13,233	5,298	7,935	5,220	65
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6,424	2,846	3,579	3,783	52
20+00E	10.98	4.18	6.8	67.6	0.64	17,308	70,140	7,700	2,933	4,768	4,741	45
21+00E	10.33	4.53	5.8	69.47	1.01	4,529	18,140	1,874	822	1,052	1,260	18
22+00E	9.56	4.32	5.24	61.45	0.87	54,047	210,847	20,161	9,119	11,042	12,956	183
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24
24+00E	11.99	5.21	6.78	59.18	0.52	50,632	207,693	24,906	10,819	14,087	12,292	108
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28
26+00E	11.67	5.56	6.11	76.22	1.35	8,530	35,527	4,145	1,975	2,170	2,708	48
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2,833	1,112	1,722	1,918	27
28+00E	13.83	6.52	7.31	77.61	1.36	7,600	33,426	4,624	2,180	2,444	2,594	46
29+00E	17.1	6.08	11.02	80.8	1.49	1,188	5,623	962	342	620	454	8
30+00E	12.63	8.14	4.49	94.5	3.94	6,740	27,329	3,451	2,224	1,228	2,583	108

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
1,165,467	4,740,463	534,086	241,888	292,203	328,111	3,640

AVERAGE GRADE FOR NONCARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.27%	5.10%	6.16%	69.21	0.77

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS) APRIL, 1990

CARBONACOUS ORE TYPES; CROSS-SECTIONS 04+00E TO 10+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES
04+00E	7.5	2.91	4.59	42.2	0.72	3121	8686
05+00E	7.51	2.82	4.69	36.7	0.29	2912	8362
06+00E	8.46	3.85	4.61	56.3	0.66	5103	14853
07+00E	0	0	0	0	0	0	0
08+00E	0	0	0	0	0	0	0
09+00E	0	0	0	0	0	0	0
10+00E	0	0	0	0	0	0	0

METAL CONTENT (WITHIN PIT LIMITS)

Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
651	253	399	367	6
628	236	392	307	2
1257	572	685	836	10
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
11,136	31,901	2,536	1,061	1,476	1,510	18

AVERAGE GRADE FOR CARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
7.95%	3.33%	4.63%	47.33	0.56

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED; CROSS SECTIONS 04+00e TO 10+00E

APRIL, 1990

SECTION	AVERAGE GRADE (WITHIN PIT LIMITS) Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
04+00E	10.86	4.57	6.3	66.08	0.92	112,556	439,363	47,728	20,067	27,661	29,033	404
05+00E	11.44	5.09	6.35	68.4	1.04	51,717	209,554	23,975	10,673	13,302	14,333	219
06+00E	12.42	5.88	6.54	79.83	0.69	84,449	345,506	42,904	20,299	22,605	27,583	239
07+00E	9.21	4.14	5.07	60.35	0.9	50,175	213,134	19,638	8,823	10,815	12,862	191
08+00E	12.05	5.7	6.35	77	0.99	83,159	341,774	41,167	19,466	21,701	26,316	339
09+00E	11.03	5.2	5.83	60.95	1.21	11,767	48,897	5,393	2,541	2,851	2,980	59
10+00E	12.06	5.46	6.6	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
447,632	1,815,244	206,975	93,716	113,259	127,143	1,573

AVERAGE GRADE FOR CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.40%	5.16%	6.24%	70.04	0.87

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

APRIL, 1990

NONCARBONACOUS ORE TYPES; CROSS-SECTIONS 04+00E TO 10+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
04+00E	10.93	4.6	6.33	66.56	0.92	109,435	430,677	47,077	19,815	27,262	28,666	398
05+00E	11.6	5.19	6.42	69.71	1.08	48,805	201,192	23,347	10,437	12,910	14,026	216
06+00E	12.6	5.97	6.63	80.89	0.69	79,346	330,653	41,648	19,728	21,920	26,746	230
07+00E	9.21	4.14	5.07	60.35	0.9	50,175	213,134	19,638	8,823	10,815	12,862	191
08+00E	12.05	5.7	6.35	77	0.99	83,159	341,774	41,167	19,466	21,701	26,316	339
09+00E	11.03	5.2	5.83	60.95	1.21	11,767	48,897	5,393	2,541	2,851	2,980	59
10+00E	12.06	5.46	6.6	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
436,496	1,783,343	204,440	92,657	111,783	125,632	1,555

AVERAGE GRADE FOR NONCARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.46%	5.20%	6.27%	70.45	0.87

VANGORDA SECTIONAL RESERVE CALCULATIONS

CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED, CROSS-SECTIONS 04+00E TO 10+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
04+00E	10.78	4.64	6.14	65.96	0.97	136,433	537,275	57905	24,941	32,964	35,438	524
05+00E	11.44	5.09	6.35	68.4	1.04	51,717	209,554	23975	10,673	13,302	14,333	219
06+00E	11.75	5.61	6.14	73.84	0.66	110,453	442,001	51917	24,779	27,138	32,639	290
07+00E	9.22	4.14	5.08	60.43	0.89	51,447	218,406	20137	9,038	11,099	13,198	195
08+00E	11.82	5.47	6.35	75.56	1	100,686	408,556	48276	22,338	25,938	30,870	407
09+00E	10.87	5.08	5.8	63.38	1.22	23,338	96,185	10457	4,882	5,575	6,097	118
10+00E	11.86	5.23	6.63	67.29	0.62	72,839	288,021	34151	15,056	19,095	19,380	178

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
546,913	2,199,998	246,818	111,707	135,111	151,955	1,931

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
11.22	5.08	6.14	69.07	0.88

VANGORDA SECTIONAL RESERVE CALCULATIONS
CARBONACEOUS ORE TYPES "A" FOR CROSS-SECTIONS 04+00E TO 10+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
04+00E	10.83	4.67	6.16	66.35	0.98	133,312	528,590	57,254	24,689	32,565	35,072	517
05+00E	11.6	5.19	6.42	69.71	1.08	48,805	201,192	23,347	10,437	12,910	14,026	216
06+00E	11.89	5.73	6.16	74.68	0.66	99,860	409,394	48,695	23,472	25,223	30,572	270
07+00E	9.22	4.14	5.08	60.43	0.89	51,447	218,406	20,137	9,038	11,099	13,198	195
08+00E	11.91	5.54	6.36	76.35	0.99	96,636	396,173	47,171	21,958	25,213	30,246	392
09+00E	10.87	5.08	5.8	63.38	1.22	23,338	96,185	10,457	4,882	5,575	6,097	118
10+00E	11.96	5.31	6.66	68.06	0.6	68,924	276,587	33,088	14,677	18,411	18,825	167

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
522,322	2,126,527	240,149	109,153	130,996	148,036	1,875

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
11.29	5.13	6.16	69.61	0.88

VANGORDA SECTIONAL RESERVE CALCULATIONS

NONCARBONACEOUS ORE TYPES FOR CROSS-SECTIONS 04+00E TO 14+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
04+00E	7.5	2.91	4.59	42.2	0.72	3121	8686	652	253	399	367	6
05+00E	7.51	2.82	4.69	36.7	0.29	2912	8362	628	236	392	307	2
06+00E	9.88	4.01	5.87	63.38	0.6	10593	32607	3222	1307	1915	2067	20
07+00E	0	0	0	0	0	0	0	0	0	0	0	0
08+00E	8.93	3.07	5.86	50.4	1.14	4050	12383	1106	380	726	624	14
09+00E	0	0	0	0	0	0	0	0	0	0	0	0
10+00E	9.29	3.31	5.98	48.5	0.98	3915	11433	1062	378	684	555	11

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
24,591	73,471	6,670	2,554	4,116	3,920	53

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
9.08	3.48	5.60	53.35	0.72

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS) APRIL, 1990

CARBONACOUS ORE TYPES; CROSS-SECTIONS 10+00E TO 14+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
10+00E	0	0	0	0	0	0	0	0	0	0	0	0
11+00E	0	0	0	0	0	0	0	0	0	0	0	0
12+00E	15.72	5.72	10	53.5	0.22	6565	22260	3499	1273	2226	1191	5
13+00E	0	0	0	0	0	0	0	0	0	0	0	0
14+00E	10.81	3.45	7.37	8.49	0.13	3468	9924	1073	342	731	84	1
15+00E	7.88	4.63	3.25	60	0.51	1980	4851	382	225	158	291	2
16+00E	0	0	0	0	0	0	0	0	0	0	0	0
17+00E	0	0	0	0	0	0	0	0	0	0	0	0
18+00E	0	0	0	0	0	0	0	0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
12,013	37,035	4,954	1,840	3,115	1,566	8

AVERAGE GRADE FOR CARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
13.38%	4.97%	8.41%	42.28	0.22

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

APRIL, 1990

CARBONACOUS ORE TYPES; CROSS-SECTIONS 10+00E TO 14+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES
14+00E	10.81	3.45	7.37	8.49	0.13	3468	9924
15+00E	7.88	4.63	3.25	60	0.51	1980	4851
16+00E	0	0	0	0	0	0	0
17+00E	0	0	0	0	0	0	0
18+00E	0	0	0	0	0	0	0

METAL CONTENT (WITHIN PIT LIMITS)

Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
1073	342	731	84	1
382	225	158	291	2
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
5,448	14,775	1,455	567	889	375	3

AVERAGE GRADE FOR CARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
9.85%	3.84%	6.02%	25.38	0.20

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

CARBONACEOUS AND NONCARBONACOUS ORE TYPES COMBINED; CROSS SECTIONS 10+00E TO 14+00E

APRIL, 1990

SECTION	AVERAGE GRADE (WITHIN PIT LIMITS) Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
10+00E	12.06	5.46	6.6	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18,440	8,227	10,212	10,608	149
12+00E	9.5	4.1	5.41	50.28	0.77	56,301	218,984	20,811	8,973	11,837	11,011	168
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55
14+00E	11.32	5.11	6.21	42.26	0.4	57,668	230,780	26,129	11,792	14,337	9,752	92

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
215,532	867,469	97,223	43,654	53,568	49,231	586

AVERAGE GRADE FOR CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.21%	5.03%	6.18%	56.75	0.68

VANGORDA SECTIONAL RESERVE CALCULATIONS

CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED, CROSS-SECTIONS 10+00E TO 14+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
10+00E	11.86	5.23	6.63	67.29	0.62	72,839	288,021	34151	15,056	19,095	19,380	178
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18439	8,227	10,212	10,608	149
12+00E	8.66	3.92	4.74	51.77	0.72	94,568	354,184	30676	13,871	16,805	18,338	256
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5673	2,815	2,858	3,824	55
14+00E	11	5.03	5.96	42.06	0.39	63,817	254,444	27987	12,811	15,176	10,701	99

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
278,978	1,097,338	116,926	52,780	64,146	62,851	737

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.66	4.81	5.85	57.28	0.67

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

NONCARBONACOUS ORE TYPES; CROSS-SECTIONS 10+00E TO 14+00E

APRIL, 1990

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
10+00E	12.06	5.46	6.6	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18,440	8,227	10,212	10,608	149
12+00E	8.8	3.91	4.89	49.92	0.83	49,736	196,724	17,311	7,700	9,611	9,821	163
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55
14+00E	11.34	5.18	6.16	43.77	0.41	54,200	220,856	25,055	11,450	13,606	9,667	90

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
205,499	835,285	92,649	42,039	50,611	47,956	579

AVERAGE GRADE FOR NONCARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.09%	5.03%	6.06%	57.41	0.69

VANGORDA SECTIONAL RESERVE CALCULATIONS
CARBONACEOUS ORE TYPES "A" FOR CROSS-SECTIONS 10+00E TO 14+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
10+00E	11.96	5.31	6.66	68.06	0.6	68,924	276,587	33,088	14,677	18,411	18,825	167
11+00E	11.61	5.18	6.43	66.77	0.94	37,350	158,876	18,439	8,227	10,212	10,608	149
12+00E	8.42	3.86	4.55	50.03	0.8	71,599	282,098	23,747	10,903	12,844	14,114	226
13+00E	13.57	6.73	6.84	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55
14+00E	11.01	5.1	5.91	43.42	0.4	60,348	244,520	26,914	12,469	14,445	10,617	97

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
248,625	1,003,894	107,861	49,091	58,770	57,988	694

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.74	4.89	5.85	57.76	0.69

VANGORDA SECTIONAL RESERVE CALCULATIONS
NONCARBONACEOUS ORE TYPES FOR CROSS-SECTIONS 10+00E TO 14+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
10+00E	9.29	3.31	5.98	48.5	0.98	3915	11433	1062	378	684	555	11
11+00E	0	0	0	0	0	0	0	0	0	0	0	0
12+00E	9.61	4.12	5.5	58.59	0.42	22969	72086	6930	2968	3962	4223	30
13+00E	0	0	0	0	0	0	0	0	0	0	0	0
14+00E	10.81	3.45	7.37	8.49	0.13	3468	9924	1073	342	731	84	1

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
30,352	93,443	9,065	3,688	5,377	4,862	42

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
9.70	3.95	5.75	52.03	0.45

VANGORDA SECTIONAL RESERVE CALCULATIONS

CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED, CROSS-SECTIONS 14+00E TO 18+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
14+00E	11	5.03	5.96	42.06	0.39	63,817	254,444	27987	12,811	15,176	10,701	99
15+00E	10.05	4.58	5.48	60.05	0.6	18,933	69,731	7009	3,191	3,818	4,187	42
16+00E	8.58	3.95	4.63	53.94	0.65	30,635	108,323	9294	4,280	5,014	5,843	71
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8465	3,935	4,530	4,892	66
18+00E	10.03	4.07	5.96	42.87	0.57	39,702	153,937	15442	6,260	9,182	6,600	87

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
169,197	652,178	68,197	30,477	37,720	32,223	365

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.46	4.67	5.78	49.41	0.56

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

APRIL, 1990

NONCARBONACOUS ORE TYPES; CROSS-SECTIONS 14+00E TO 18+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
14+00E	11.34	5.18	6.16	43.77	0.41	54200	220856	25055	11450	13606	9667	90
15+00E	10.21	4.57	5.64	60.05	0.6	16953	64880	6627	2966	3661	3896	39
16+00E	8.78	3.94	4.84	55.56	0.57	22441	81367	7145	3204	3942	4520	47
17+00E	12.88	5.99	6.89	74.41	1.01	16110	65743	8466	3935	4530	4892	66
18+00E	10.19	4.08	6.11	40.21	0.5	33424	129837	13233	5298	7935	5220	65

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
143,128	562,683	60,526	26,853	33,674	28,195	307

AVERAGE GRADE FOR NONCARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
10.76%	4.77%	5.98%	50.11	0.55

VANGORDA SECTIONAL RESERVE CALCULATIONS

CARBONACEOUS ORE TYPES "A" FOR CROSS-SECTIONS 14+00E TO 18+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
14+00E	11.01	5.1	5.91	43.42	0.4	60,348	244,520	26,914	12,469	14,445	10,617	97
15+00E	10.21	4.57	5.64	60.05	0.6	16,953	64,880	6,627	2,966	3,661	3,896	39
16+00E	8.58	3.95	4.63	53.94	0.65	30,635	108,323	9,294	4,280	5,014	5,843	71
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8,465	3,935	4,530	4,892	66
18+00E	10.03	4.07	5.96	42.87	0.57	39,702	153,937	15,442	6,260	9,182	6,600	87

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
163,748	637,403	66,742	29,910	36,832	31,848	360

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.47	4.69	5.78	49.97	0.56

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

CARBONACEOUS AND NONCARBONACOUS ORE TYPES COMBINED; CROSS SECTIONS 14+00W TO 18+00E APRIL, 1990

SECTION	AVERAGE GRADE (WITHIN PIT LIMITS) Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
14+00E	11.32	5.11	6.21	42.26	0.4	57,668	230,780	26,129	11,792	14,337	9,752	92
15+00E	10.05	4.58	5.48	60.05	0.6	18,933	69,731	7,009	3,191	3,818	4,187	42
16+00E	8.78	3.94	4.84	55.56	0.57	22,441	81,367	7,145	3,204	3,942	4,520	47
17+00E	12.88	5.99	6.89	74.41	1.01	16,110	65,743	8,466	3,935	4,530	4,892	66
18+00E	10.19	4.08	6.11	40.21	0.5	33,424	129,837	13,233	5,298	7,935	5,220	65

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
148,576	577,458	61,982	27,420	34,562	28,571	312

AVERAGE GRADE FOR CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
10.73%	4.75%	5.99%	49.48	0.54

VANGORDA SECTIONAL RESERVE CALCULATIONS
NONCARBONACEOUS ORE TYPES FOR CROSS-SECTIONS 14+00E TO 18+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
14+00E	10.81	3.45	7.37	8.49	0.13	3468	9924	1073	342	731	84	1
15+00E	7.88	4.63	3.25	60	0.51	1980	4851	383	225	158	291	2
16+00E	0	0	0	0	0	0	0	0	0	0	0	0
17+00E	0	0	0	0	0	0	0	0	0	0	0	0
18+00E	0	0	0	0	0	0	0	0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
5,448	14,775	ERR	567	889	375	3

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
9.85	3.84	6.02	25.38	0.20

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

APRIL, 1990

NONCARBONACOUS ORE TYPES; CROSS-SECTIONS 18+00E TO 30+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
18+00E	10.19	4.08	6.11	40.21	0.5	33,424	129,837	13,233	5,298	7,935	5,220	65
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6,424	2,846	3,579	3,783	52
20+00E	10.98	4.18	6.8	67.6	0.64	17,308	70,140	7,700	2,933	4,768	4,741	45
21+00E	10.33	4.53	5.8	69.47	1.01	4,529	18,140	1,874	822	1,052	1,260	18
22+00E	9.56	4.32	5.24	61.45	0.87	54,047	210,847	20,161	9,119	11,042	12,956	183
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24
24+00E	11.99	5.21	6.78	59.18	0.52	50,632	207,693	24,906	10,819	14,087	12,292	108
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28
26+00E	11.67	5.56	6.11	76.22	1.35	8,530	35,527	4,145	1,975	2,170	2,708	48
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2,833	1,112	1,722	1,918	27
28+00E	13.83	6.52	7.31	77.61	1.36	7,600	33,426	4,624	2,180	2,444	2,594	46
29+00E	17.1	6.08	11.02	80.8	1.49	1,188	5,623	962	342	620	454	8
30+00E	12.63	8.14	4.49	94.5	3.94	6,740	27,329	3,451	2,224	1,228	2,583	108

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
217,299	868,416	96,636	43,278	53,362	54,387	760

AVERAGE GRADE FOR NONCARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.13%	4.98%	6.14%	62.63	0.88

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS)

CARBONACEOUS AND NONCARBONACOUS ORE TYPES COMBINED; CROSS SECTIONS 18+00E TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE (WITHIN PIT LIMITS) Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
18+00E	10.19	4.08	6.11	40.21	0.5	33,424	129,837	13,233	5,298	7,935	5,220	65
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6,424	2,846	3,579	3,783	52
20+00E	11.02	4.2	6.82	66.47	0.65	24,381	94,007	10,360	3,945	6,414	6,248	61
21+00E	10.3	4.49	5.82	68.65	0.99	4,755	18,851	1,942	846	1,097	1,294	19
22+00E	9.55	4.27	5.28	60.17	0.84	57,595	221,149	21,126	9,445	11,681	13,306	187
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24
24+00E	11.78	5.08	6.69	57.74	0.5	54,575	219,234	25,816	11,145	14,671	12,658	110
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28
26+00E	11.67	5.56	6.11	76.22	1.35	8,530	35,527	4,145	1,975	2,170	2,708	48
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2,833	1,112	1,722	1,918	27
28+00E	13.83	6.52	7.31	77.61	1.36	7,600	33,426	4,624	2,180	2,444	2,594	46
29+00E	17.1	6.08	11.02	80.8	1.49	1,188	5,623	962	342	620	454	8
30+00E	12.63	8.14	4.49	94.5	3.94	6,740	27,329	3,451	2,224	1,228	2,583	108
						TOTALS						
						VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
						232,089	914,837	101,239	44,966	56,276	56,644	783

AVERAGE GRADE FOR CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
11.07%	4.92%	6.15%	61.92	0.86

VANGORDA SECTIONAL RESERVE CALCULATIONS
CARBONACEOUS ORE TYPES "A" FOR CROSS-SECTIONS 18+00E TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
18+00E	10.03	4.07	5.96	42.87	0.57	39,702	153,937	15,442	6,260	9,182	6,600	87
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6,425	2,846	3,579	3,783	52
20+00E	10.96	4.04	6.91	67.77	0.53	21,356	85,103	9,325	3,441	5,884	5,767	45
21+00E	9.57	4.35	5.23	67.85	1.08	5,508	22,257	2,130	967	1,163	1,510	24
22+00E	9.56	4.32	5.24	61.45	0.87	54,047	210,847	20,161	9,119	11,042	12,956	183
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24
24+00E	11.66	5.06	6.6	54.51	0.48	57,602	233,470	27,213	11,805	15,408	12,727	111
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28
26+00E	10.63	4.93	5.71	68.79	1.11	11,634	46,142	4,907	2,273	2,634	3,174	51
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2,834	1,112	1,722	1,918	27
28+00E	12.93	5.86	7.07	65.49	1.15	9,578	41,697	5,393	2,445	2,948	2,731	48
29+00E	17.1	6.08	11.02	80.8	1.49	2,160	10,224	1,749	622	1,127	826	15
30+00E	12.7	8.28	4.42	95.69	4.01	7,015	28,239	3,586	2,339	1,247	2,702	113

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
241,903	961,770	105,488	46,837	58,651	58,572	808

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.97	4.87	6.10	60.90	0.84

VANGORDA SECTIONAL RESERVE CALCULATIONS
NONCARBONACEOUS ORE TYPES FOR CROSS-SECTIONS 18+00W TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
18+00E	0	0	0	0	0	0	0	0	0	0	0	0
19+00E	0	0	0	0	0	0	0	0	0	0	0	0
20+00E	11.12	4.23	6.89	63.39	0.65	8264	27529	3061	1165	1896	1745	18
21+00E	9.65	3.38	6.27	47.7	0.46	227	711	69	24	45	34	0
22+00E	9.37	3.16	6.2	33.99	0.31	3548	10301	965	326	639	350	3
23+00E	0	0	0	0	0	0	0	0	0	0	0	0
24+00E	7.27	2.39	4.88	16.93	0.07	7423	21670	1575	518	1057	367	2
25+00E	0	0	0	0	0	0	0	0	0	0	0	0
26+00E	7	2.49	4.51	35.35	0.01	8370	26248	1839	654	1185	928	0
27+00E	0	0	0	0	0	0	0	0	0	0	0	0
28+00E	0	0	0	0	0	0	0	0	0	0	0	0
29+00E	0	0	0	0	0	0	0	0	0	0	0	0
30+00E	0	0	0	0	0	0	0	0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
27,832	86,459	ERR	2,687	4,822	3,424	23

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
8.69	3.11	5.58	39.60	0.27

VANGORDA SECTIONAL RESERVE CALCULATIONS

CARBONACEOUS AND NONCARBONACEOUS ORE TYPES COMBINED, CROSS-SECTIONS 18+00E TO 30+00E

APRIL, 1990

SECTION	AVERAGE GRADE Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)	ORE VOLUME (m^3)	TONNES	METAL CONTENT Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
18+00E	10.03	4.07	5.96	42.87	0.57	39,702	153,937	15442	6,260	9,182	6,600	87
19+00E	11.19	4.96	6.23	65.89	0.91	15,012	57,404	6425	2,846	3,579	3,783	52
20+00E	11	4.09	6.91	66.7	0.56	29,620	112,632	12387	4,607	7,780	7,513	63
21+00E	9.58	4.32	5.26	67.23	1.06	5,735	22,968	2199	991	1,208	1,544	24
22+00E	9.55	4.27	5.28	60.17	0.84	57,595	221,149	21126	9,445	11,681	13,306	187
23+00E	9.82	5.06	4.76	57.52	0.69	9,318	34,709	3407	1,757	1,650	1,996	24
24+00E	11.28	4.83	6.45	51.32	0.44	65,025	255,140	28787	12,322	16,465	13,094	113
25+00E	16.89	10.72	6.17	108.99	1.61	4,021	17,270	2916	1,851	1,065	1,882	28
26+00E	9.32	4.04	5.28	56.66	0.71	20,004	72,391	6745	2,926	3,819	4,102	51
27+00E	13.84	5.43	8.41	93.7	1.31	4,950	20,471	2834	1,112	1,722	1,918	27
28+00E	12.93	5.86	7.07	65.49	1.15	9,578	41,697	5393	2,445	2,948	2,731	48
29+00E	17.1	6.08	11.02	80.8	1.49	2,160	10,224	1749	622	1,127	826	15
30+00E	12.7	8.28	4.42	95.69	4.01	7,015	28,239	3586	2,339	1,247	2,702	113

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
269,735	1,048,231	112,996	49,523	63,473	61,997	832

AVERAGE GRADE

Pb+Zn%	Pb%	Zn%	Ag (g/t)	Au (g/t)
10.78	4.72	6.06	59.14	0.79

VANGORDA SECTIONAL RESERVE CALCULATION (WITHIN PIT LIMITS) APRIL, 1990

CARBONACOUS ORE TYPES; CROSS-SECTIONS 18+00E TO 30+00E

SECTION	Pb+Zn%	Pb%	Zn%	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNES	METAL CONTENT (WITHIN PIT LIMITS) Pb+Zn (Tonnes)	Pb (Tonnes)	Zn (Tonnes)	Ag (Kg)	Au (Kg)
18+00E	0	0	0	0	0	0	0	0	0	0	0	0
19+00E	0	0	0	0	0	0	0	0	0	0	0	0
20+00E	11.14	4.24	6.9	63.15	0.66	7073	23867	2659	1013	1647	1507	16
21+00E	9.65	3.38	6.27	47.7	0.46	227	711	69	24	45	34	0
22+00E	9.37	3.16	6.2	33.99	0.31	3548	10301	965	326	639	350	3
23+00E	0	0	0	0	0	0	0	0	0	0	0	0
24+00E	7.89	2.83	5.06	31.78	0.14	3943	11541	910	326	584	367	2
25+00E	0	0	0	0	0	0	0	0	0	0	0	0
26+00E	0	0	0	0	0	0	0	0	0	0	0	0
27+00E	0	0	0	0	0	0	0	0	0	0	0	0
28+00E	0	0	0	0	0	0	0	0	0	0	0	0
29+00E	0	0	0	0	0	0	0	0	0	0	0	0
30+00E	0	0	0	0	0	0	0	0	0	0	0	0

TOTALS

VOLUME (m^3)	TONNES	Pb+Zn (TONNES)	Pb (TONNES)	Zn (TONNES)	Ag (Kg)	Au (Kg)
14,791	46,420	4,603	1,689	2,915	2,258	21

AVERAGE GRADE FOR CARBONACEOUS ORE TYPES

Pb+Zn (%)	Pb (%)	Zn (%)	Ag (g/t)	Au (g/t)
9.92%	3.64%	6.28%	48.64	0.45