VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 00+00E

APRIL 30, 1990

003828

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
0A	100	BG	79V001R	7.6	17.5	9.9	17.13	7.01	10.12	183.6	1.52	4.36	9.9	29.0	58.0	287	16,652	71,150	12,188	4,988	7,200	13,063	108
0B	100	A	79V001R	20.4	26.8	6.4	11.13	4.63	6.50	68.9	1.01	3.20	6.4	29.0	58.0	186	10,765	33,758	3,757	1,563	2,194	2,326	34
0Ci	100	A	79V315	26.3	29.9	3.6	11.55	4.42	7.13	69.0	1.10	3.10	3.6	25.0	48.5	90	4,365	13,261	1,532	586	946	915	15
0Cii	100	A	79V315	26.3	29.9	3.6	11.55	4.42	7.13	69.0	1.10	3.10	3.6	22.0	10.0	79	792	2,406	278	106	172	166	3
0Di	100	BG	79V315	32.9	35.9	3.0	13.34	5.64	7.70	106.5	1.47	4.61	3.0	25.0	48.5	75	3,638	16,433	2,192	927	1,265	1,750	24
0Dii	100	BG	79V315	32.9	35.9	3.0	13.34	5.64	7.70	106.5	1.47	4.61	3.0	22.0	10.0	66	660	2,982	398	168	230	318	4
0Ei	100	BG	79V315	64.3	67.5	3.2	6.61	3.75	2.86	43.8	0.80	4.48	3.2	25.0	48.5	80	3,880	17,035	1,126	639	487	746	14
0Eii	100	BG	79V315	64.3	67.5	3.2	6.61	3.75	2.86	43.8	0.80	4.48	3.2	22.0	10.0	70	704	3,091	204	116	88	135	2
0Fi	70	BG	79V315	69.4	75.3	5.9	8.57	4.14	4.43	62.8	0.54	4.40	5.9	25.0	48.5	148	7,154	30,847	2,644	1,277	1,367	1,937	17
0Fii	100	BG	79V315	69.4	75.3	5.9	8.57	4.14	4.43	62.8	0.54	4.40	5.9	22.0	10.0	130	1,298	5,597	480	232	248	351	3
0G	100	A	79V026R	32.1	34.9	2.8	13.16	4.12	9.04	72.8	0.97	3.21	2.8	23.0	57.0	64	3,671	11,548	1,520	476	1,044	841	11
0H	100	A	79V026R	44.3	50.3	6.0	8.07	3.64	4.43	43.2	0.88	2.75	6.0	23.0	57.0	138	7,866	21,199	1,711	772	939	916	19
0I	100	BG	79V026R	50.3	52.6	2.3	14.31	5.55	8.76	69.2	1.49	4.61	2.3	23.0	57.0	53	3,015	13,623	1,949	756	1,193	943	20
0J	100	BG	79V026R	61.2	66.2	5.0	10.18	4.67	5.51	59.3	1.00	4.29	5.0	23.0	57.0	115	6,555	27,559	2,805	1,287	1,518	1,634	28
0K	100	BG	79V026R	69.4	72.4	3.0	10.89	5.24	5.65	68.7	0.94	4.46	3.0	23.0	57.0	69	3,933	17,190	1,872	901	971	1,181	16
0Li	100	A	87V-27	60.9	64.6	3.7	6.83	2.14	4.69	30.3	0.55	2.85	3.7	22.0	50.0	81	4,070	11,368	776	243	533	344	6
0Lii	100	A	87V-27	60.9	64.6	3.7	6.83	2.14	4.69	30.3	0.55	2.85	3.7	9.5	4.0	35	141	393	27	8	18	12	0
0Mi	100	BG	87V-27	73.5	85.9	12.4	9.98	4.64	5.34	51.9	0.46	4.00	12.4	22.0	50.0	273	13,640	53,469	5,336	2,481	2,855	2,775	25
0Mii	100	BG	87V-27	73.5	85.9	12.4	9.98	4.64	5.34	51.9	0.46	4.00	12.4	9.5	4.0	118	471	1,847	184	86	99	96	1
0Ni	100	A	79V316	32.9	35.1	2.2	8.24	2.44	5.79	50.7	0.37	2.71	2.2	24.0	52.0	53	2,746	7,292	600	178	422	370	3
0Nii	100	A	79V316	32.9	35.1	2.2	8.24	2.44	5.79	50.7	0.37	2.71	2.2	5.8	1.5	13	19	51	4	1	3	3	0
0Oi	100	A	79V316	63.7	65.5	1.8	6.99	1.95	5.03	31.5	0.38	2.72	2.0	24.0	52.0	48	2,496	6,653	464	130	335	210	3
0Oii	100	A	79V316	63.7	65.5	1.8	6.99	1.95	5.03	31.5	0.38	2.72	2.0	5.8	1.5	12	17	46	3	1	2	1	0
0Pi	100	BG	79V316	65.5	90.6	25.1	12.13	6.19	5.93	86.0	0.49	4.04	25.1	24.0	52.0	602	31,325	124,021	15,031	7,677	7,354	10,666	61
0Pii	100	BG	79V316	65.5	90.6	25.1	12.13	6.19	5.93	86.0	0.49	4.04	25.1	5.8	1.5	146	218	865	105	54	51	74	0
0Qi	95	A	79V027R	62.4	67.1	4.7	8.05	3.31	4.75	44.2	0.75	2.83	4.7	28.5	49.0	134	6,564	18,203	1,467	603	865	805	14
0Qii	95	A	79V027R	62.4	67.1	4.7	8.05	3.31	4.75	44.2	0.75	2.83	4.7	19.5	2.5	92	229	635	51	21	30	28	0
0Ri	90	BG	79V027R	67.1	70.8	3.7	12.77	6.38	6.39	99.1	0.54	3.89	3.7	28.5	49.0	105	5,167	19,698	2,515	1,257	1,259	1,952	11
0Rii	90	BG	79V027R	67.1	70.8	3.7	12.77	6.38	6.39	99.1	0.54	3.89	3.7	19.5	2.5	72	180	688	88	44	44	68	0
0Si	25	BG	79V027R	86.7	89.3	2.6	7.81	3.70	4.11	55.9	1.40	4.04	2.6	31.0	49.0	81	3,949	15,636	1,221	579	643	874	22
0Sii	25	BG	79V027R	86.7	89.3	2.6	7.81	3.70	4.11	55.9	1.40	4.04	2.6	19.5	2.5	51	127	502	39	19	21	28	1
0Ti	0	A	79V143R	84.4	86.0	1.6	6.09	2.45	3.64	44.2	0.54	3.27	1.6	30.0	49.5	48	2,376	7,614	464	187	277	337	4
0Tii	0	A	79V143R	84.4	86.0	1.6	6.09	2.45	3.64	44.2	0.54	3.27	1.6	16.0	1.0	26	26	82	5	2	3	4	0
0Ui	0	A	79V143R	88.7	91.7	3.0	10.11	3.31	6.79	59.6	0.54	3.02	3.0	30.0	49.5	90	4,455	13,185	1,332	436	895	786	7
0Uii	0	A	79V143R	88.7	91.7	3.0	10.11	3.31	6.79	59.6	0.54	3.02	3.0	16.0	1.0	48	48	142	14	5	10	8	0
0Vi	100	BG	87V-27	68.5	70.8	2.3	10.08	4.02	6.06	63.1	0.16	3.59	2.3	22.0	50.0	51	2,530	8,901	897	358	539	562	1
0Vii	100	BG	87V-27	68.5	70.8	2.3	10.08	4.02	6.06	63.1	0.16	3.59	2.3	9.5	4.0	22	87	307	31	12	19	19	0

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.27%	5.04%	6.24%	81.56	0.82	155,828	579,276	65,312	29,173	36,140	47,244	477

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

CROSS SECTION: 00+00E

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
0A	100	BB	79V001R	7.6	17.5	9.9	17.13	7.01	10.12	183.6	1.52	4.36	9.9	29.0	58.0	287	16,652	71,150	12,188	4,988	7,200	13,063	108
0B	100	A	79V001R	20.4	26.8	6.4	11.13	4.63	6.50	68.9	1.01	3.20	6.4	29.0	58.0	186	10,765	33,758	3,757	1,563	2,194	2,326	34
0Ci	100	A	79V315	26.3	29.9	3.6	11.55	4.42	7.13	69.0	1.10	3.10	3.6	25.0	48.5	90	4,365	13,261	1,532	586	946	915	15
0Cii	100	A	79V315	26.3	29.9	3.6	11.55	4.42	7.13	69.0	1.10	3.10	3.6	22.0	10.0	79	792	2,406	278	106	172	166	3
0Di	100	BB	79V315	32.9	35.9	3.0	13.34	5.64	7.70	106.5	1.47	4.61	3.0	25.0	48.5	75	3,638	16,433	2,192	927	1,265	1,750	24
0Dii	100	BB	79V315	32.9	35.9	3.0	13.34	5.64	7.70	106.5	1.47	4.61	3.0	22.0	10.0	66	660	2,982	398	168	230	318	4
0Ei	100	BB	79V315	64.3	67.5	3.2	6.61	3.75	2.86	43.8	0.80	4.48	3.2	25.0	48.5	80	3,880	17,035	1,126	639	487	746	14
0Eii	100	BB	79V315	64.3	67.5	3.2	6.61	3.75	2.86	43.8	0.80	4.48	3.2	22.0	10.0	70	704	3,091	204	116	88	135	2
0Fi	70	BB	79V315	69.4	75.3	5.9	8.57	4.14	4.43	62.8	0.54	4.40	5.9	25.0	48.5	148	5,008	21,593	1,851	894	957	1,356	12
0Fii	100	BB	79V315	69.4	75.3	5.9	8.57	4.14	4.43	62.8	0.54	4.40	5.9	22.0	10.0	130	1,298	5,597	480	232	248	351	3
0G	100	A	79V026R	32.1	34.9	2.8	13.16	4.12	9.04	72.8	0.97	3.21	2.8	23.0	57.0	64	3,671	11,548	1,520	476	1,044	841	11
0H	100	A	79V026R	44.3	50.3	6.0	8.07	3.64	4.43	43.2	0.88	2.75	6.0	23.0	57.0	138	7,866	21,199	1,711	772	939	916	19
0I	100	BB	79V026R	50.3	52.6	2.3	14.31	5.55	8.76	69.2	1.49	4.61	2.3	23.0	57.0	53	3,015	13,623	1,949	756	1,193	943	20
0J	100	BB	79V026R	61.2	66.2	5.0	10.18	4.67	5.51	59.3	1.00	4.29	5.0	23.0	57.0	115	6,555	27,559	2,805	1,287	1,518	1,634	28
0K	100	BB	79V026R	69.4	72.4	3.0	10.89	5.24	5.65	68.7	0.94	4.46	3.0	23.0	57.0	69	3,933	17,190	1,872	901	971	1,181	16
0Li	100	A	87V-27	60.9	64.6	3.7	6.83	2.14	4.69	30.3	0.55	2.85	3.7	22.0	50.0	81	4,070	11,368	776	243	533	344	6
0Lii	100	A	87V-27	60.9	64.6	3.7	6.83	2.14	4.69	30.3	0.55	2.85	3.7	9.5	4.0	35	141	393	27	8	18	12	0
0Mi	100	BB	87V-27	73.5	85.9	12.4	9.98	4.64	5.34	51.9	0.46	4.00	12.4	22.0	50.0	273	13,640	53,469	5,336	2,481	2,855	2,775	25
0Mii	100	BB	87V-27	73.5	85.9	12.4	9.98	4.64	5.34	51.9	0.46	4.00	12.4	9.5	4.0	118	471	1,847	184	86	99	96	1
0Ni	100	A	79V316	32.9	35.1	2.2	8.24	2.44	5.79	50.7	0.37	2.71	2.2	24.0	52.0	53	2,746	7,292	600	178	422	370	3
0Nii	100	A	79V316	32.9	35.1	2.2	8.24	2.44	5.79	50.7	0.37	2.71	2.2	5.8	1.5	13	19	51	4	1	3	3	0
0Oi	100	A	79V316	63.7	65.5	1.8	6.99	1.95	5.03	31.5	0.38	2.72	2.0	24.0	52.0	48	2,496	6,653	464	130	335	210	3
0Oii	100	A	79V316	63.7	65.5	1.8	6.99	1.95	5.03	31.5	0.38	2.72	2.0	5.8	1.5	12	17	46	3	1	2	1	0
0Pi	100	BB	79V316	65.5	90.6	25.1	12.13	6.19	5.93	86.0	0.49	4.04	25.1	24.0	52.0	602	31,325	124,021	15,031	7,677	7,354	10,666	61
0Pii	100	BB	79V316	65.5	90.6	25.1	12.13	6.19	5.93	86.0	0.49	4.04	25.1	5.8	1.5	146	218	865	105	54	51	74	0
0Qi	95	A	79V027R	62.4	67.1	4.7	8.05	3.31	4.75	44.2	0.75	2.83	4.7	28.5	49.0	134	6,235	17,293	1,394	572	821	764	13
0Qii	95	A	79V027R	62.4	67.1	4.7	8.05	3.31	4.75	44.2	0.75	2.83	4.7	19.5	2.5	92	218	604	49	20	29	27	0
0Ri	90	BB	79V027R	67.1	70.8	3.7	12.77	6.38	6.39	99.1	0.54	3.89	3.7	28.5	49.0	105	4,650	17,728	2,264	1,131	1,133	1,757	10
0Rii	90	BB	79V027R	67.1	70.8	3.7	12.77	6.38	6.39	99.1	0.54	3.89	3.7	19.5	2.5	72	162	619	79	39	40	61	0
0Si	25	BB	79V027R	86.7	89.3	2.6	7.81	3.70	4.11	55.9	1.40	4.04	2.6	31.0	49.0	81	987	3,909	305	145	161	219	5
0Sii	25	BB	79V027R	86.7	89.3	2.6	7.81	3.70	4.11	55.9	1.40	4.04	2.6	19.5	2.5	51	32	125	10	5	5	7	0
0Ti	0	A	79V143R	84.4	86.0	1.6	6.09	2.45	3.64	44.2	0.54	3.27	1.6	30.0	49.5	48	0	0	0	0	0	0	0
0Tii	0	A	79V143R	84.4	86.0	1.6	6.09	2.45	3.64	44.2	0.54	3.27	1.6	16.0	1.0	26	0	0	0	0	0	0	0
0Ui	0	A	79V143R	88.7	91.7	3.0	10.11	3.31	6.79	59.6	0.54	3.02	3.0	30.0	49.5	90	0	0	0	0	0	0	0
0Uii	0	A	79V143R	88.7	91.7	3.0	10.11	3.31	6.79	59.6	0.54	3.02	3.0	16.0	1.0	48	0	0	0	0	0	0	0
0Vi	100	BB	87V-27	68.5	70.8	2.3	10.08	4.02	6.06	63.1	0.16	3.59	2.3	22.0	50.0	51	2,530	8,901	897	358	539	562	1
0Vii	100	BB	87V-27	68.5	70.8	2.3	10.08	4.02	6.06	63.1	0.16	3.59	2.3	9.5	4.0	22	87	307	31	12	19	19	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.50%	5.16%	6.34%	83.55	0.83	142,846	533,915	61,423	27,551	33,872	44,608	441

Ore type "A" represents carbonaceous ore; "BB" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 01+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)						SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
1A	0	BG	P53V013	25.9	28.1	2.2	8.48	4.06	4.42	-1.0	-1.00	4.21	2.2	14.0	44.0	31	1,355	5,591	474	227	247	0	0
1B	100	A	P53V007	24.7	29.3	4.6	8.11	3.75	4.36	50.9	-1.00	2.97	4.6	36.0	30.0	166	4,968	14,460	1,173	542	630	736	0
1C	0	BG	P53V007	29.3	31.4	2.1	14.30	5.25	9.04	92.1	-1.00	4.21	2.1	36.0	30.0	76	2,268	9,357	1,337	491	846	862	0
1D	95	BG	P53V007	32.9	36.3	3.4	10.81	3.85	6.95	87.3	-1.00	3.85	3.4	36.0	30.0	122	3,672	13,854	1,496	533	963	1,209	0
1E	55	BG	P53V007	40.6	45.1	4.5	11.07	3.91	7.16	69.7	-1.00	4.21	4.5	36.0	30.0	162	4,860	20,051	2,220	784	1,436	1,398	0
1F	5	BG	P53V007	65.8	69.3	3.5	9.68	3.74	5.94	65.1	-1.00	4.21	3.5	36.0	30.0	126	3,780	15,596	1,510	583	926	1,015	0

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.40%	4.01%	6.40%	66.15	0.00	20,903	78,910	8,210	3,161	5,048	5,220	0

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 01+00W

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)						METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
ERR	ERR	ERR	ERR	ERR	0	0	0	0	0	0	0

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 02+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
2A	0	BG	79V311	49.3	51.1	1.8	11.47	4.47	7.00	57.2	0.74	4.34	2.0	14.5	45.0	29	1,305	5,550	637	248	389	317	4
2B	95	A	79V300	21.0	29.9	8.9	9.16	3.63	5.54	48.5	0.77	2.90	9.0	7.0	17.5	63	1,103	3,133	287	114	174	152	2
2Bii	95	A	79V300	21.0	29.9	8.9	9.16	3.63	5.54	48.5	0.77	2.90	9.0	19.0	31.0	171	5,301	15,065	1,382	547	835	731	12
2Biii	95	A	79V300	21.0	29.9	8.9	9.16	3.63	5.54	48.5	0.77	2.90	9.0	6.0	7.0	54	378	1,074	99	39	60	52	1
2C	60	BG	79V300	31.4	38.7	7.3	11.45	4.56	6.88	82.6	1.64	4.12	8.8	7.0	17.5	62	1,078	4,353	498	198	299	360	7
2Cii	60	BG	79V300	31.4	38.7	7.3	11.45	4.56	6.88	82.6	1.64	4.12	8.8	19.0	31.0	167	5,183	20,928	2,394	954	1,440	1,729	34
2Ciii	60	BG	79V300	31.4	38.7	7.3	11.45	4.56	6.88	82.6	1.64	4.12	8.8	6.0	7.0	53	370	1,492	171	68	103	123	2
2D	0	BG	79V300	49.7	52.9	3.2	8.93	3.43	5.50	51.7	1.71	4.61	3.3	7.0	17.5	23	404	1,826	163	63	100	94	3
2Dii	0	BG	79V300	49.7	52.9	3.2	8.93	3.43	5.50	51.7	1.71	4.61	3.3	19.0	31.0	63	1,944	8,781	784	301	483	454	15
2Diii	0	BG	79V300	49.7	52.9	3.2	8.93	3.43	5.50	51.7	1.71	4.61	3.3	6.0	7.0	20	139	626	56	21	34	32	1
2E	100	A	79V321	20.2	32.8	12.6	7.24	3.40	3.84	41.0	1.05	2.90	12.7	23.0	32.0	292	9,347	26,565	1,923	903	1,020	1,089	28
2F	100	BG	79V321	34.3	38.7	4.4	16.45	6.60	9.85	91.7	2.01	4.74	5.8	23.0	32.0	133	4,269	19,829	3,262	1,309	1,953	1,818	40
2G	65	BG	79V321	52.1	54.5	2.4	14.33	6.97	7.36	96.0	0.74	4.60	2.5	23.0	32.0	58	1,840	8,295	1,189	578	610	796	6
2H	0	BG	79V321	81.7	87.8	6.1	7.12	3.19	3.92	46.5	1.18	4.24	7.7	23.0	32.0	177	5,667	23,548	1,674	751	923	1,095	28
2I	100	A	79V119R	22.3	29.9	7.6	7.87	3.37	4.51	33.0	-1.00	2.68	7.8	26.0	44.0	203	8,923	23,436	1,847	790	1,057	773	0
2Iii	100	A	79V119R	22.3	29.9	7.6	7.87	3.37	4.51	33.0	-1.00	2.68	7.8	5.0	7.0	39	273	717	57	24	32	24	0
2J	100	BG	79V119R	32.6	36.0	3.4	14.91	8.25	6.65	145.4	0.01	4.38	5.0	26.0	44.0	130	5,720	24,553	3,658	2,026	1,633	3,570	0
2Jii	100	BG	79V119R	32.6	36.0	3.4	14.91	8.25	6.65	145.4	0.01	4.38	5.0	5.0	7.0	25	175	751	112	62	50	109	0
2K	100	BG	79V119R	53.8	62.3	8.5	13.24	6.14	7.09	89.7	0.01	4.44	8.6	26.0	44.0	224	9,838	42,809	5,664	2,628	3,035	3,840	0
2Kii	100	BG	79V119R	53.8	62.3	8.5	13.24	6.14	7.09	89.7	0.01	4.44	8.6	5.0	7.0	43	301	1,310	173	80	93	117	0
2L	100	BG	79V119R	67.7	70.7	3.0	8.93	4.73	4.19	57.6	0.02	4.61	4.5	26.0	44.0	117	5,148	23,258	2,075	1,100	974	1,340	0
2Lii	100	BG	79V119R	67.7	70.7	3.0	8.93	4.73	4.19	57.6	0.02	4.61	4.5	5.0	7.0	23	158	712	63	34	30	41	0
2M	100	BG	79V015R	50.6	61.8	11.2	9.77	4.23	5.54	64.5	1.15	4.25	15.0	23.0	43.0	345	14,835	61,788	6,037	2,614	3,423	3,985	71
2Mii	100	BG	79V015R	50.6	61.8	11.2	9.77	4.23	5.54	64.5	1.15	4.25	15.0	8.0	2.0	120	240	1,000	98	42	55	64	1
2N	100	BG	79V015R	70.6	74.1	3.5	9.10	5.48	3.62	89.5	0.76	4.42	6.8	23.0	43.0	156	6,725	29,131	2,651	1,596	1,055	2,607	22
2Nii	100	BG	79V015R	70.6	74.1	3.5	9.10	5.48	3.62	89.5	0.76	4.42	6.8	8.0	2.0	54	109	471	43	26	17	42	0
2O	100	A	87V-11	34.7	37.2	2.5	9.72	4.60	5.12	56.0	0.58	3.90	2.5	21.5	41.0	54	2,204	8,423	819	387	431	472	5
2P	100	A	87V-11	42.6	43.4	0.8	6.61	2.11	4.50	24.7	0.23	2.90	2.1	21.0	41.0	44	1,808	5,139	340	108	231	127	1
2Q	100	BG	87V-11	48.3	56.2	7.9	10.99	4.43	6.57	53.3	0.62	4.45	2.1	21.0	41.0	44	1,808	7,885	867	349	518	420	5
2R	100	BG	87V-11	57.2	76.2	19.0	10.26	4.60	5.66	70.2	0.64	3.94	20.0	21.0	41.0	420	17,220	66,490	6,822	3,059	3,763	4,668	43
2S	100	BG	79V115R	42.4	66.4	24.0	12.70	5.91	6.79	83.2	0.01	4.40	25.4	30.0	47.0	762	35,814	154,430	19,613	9,127	10,486	12,849	2
2T	95	BG	79V115R	69.7	78.0	8.3	9.50	3.84	5.66	71.6	0.01	4.13	9.6	30.0	47.0	288	13,536	54,786	5,205	2,104	3,101	3,923	1
2U	0	BG	79V318	68.4	69.3	0.9	7.88	2.80	5.08	41.7	0.51	3.15	2.5	24.0	41.0	60	2,460	7,594	598	213	386	317	4
2Uii	0	BG	79V318	68.4	69.3	0.9	7.88	2.80	5.08	41.7	0.51	3.15	2.5	4.8	3.5	12	42	130	10	4	7	5	0
2V	0	A	79V133R	73.8	78.3	4.5	9.17	3.37	5.80	56.5	0.76	2.87	6.1	22.3	40.0	136	5,441	15,304	1,403	516	888	865	12
2Vii	0	A	79V133R	73.8	78.3	4.5	9.17	3.37	5.80	56.5	0.76	2.87	6.1	17.0	9.5	104	985	2,771	254	93	161	157	2
2W	80	BG	79V115R	42.4	66.4	24.0	12.70	5.91	6.79	83.2	0.01	4.40	25.4	6.0	47.0	152	7,163	30,886	3,923	1,825	2,097	2,570	0
2X	0	BG	79V115R	69.7	78.0	8.3	9.50	3.84	5.66	71.6	0.01	4.13	9.6	6.0	47.0	58	2,707	10,957	1,041	421	620	785	0

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.88%	4.93%	5.95%	73.36	0.49	181,960	715,794	77,889	35,323	42,566	52,512	353

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

CROSS SECTION: 02+00E

VANBORDA UNDILUTED RESERVES WITHIN PIT LIMITS

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag$ (g/t)	Au$ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
2A	0	BG	79V311	49.3	51.1	1.8	11.47	4.47	7.00	57.2	0.74	4.34	2.0	14.5	45.0	29	0	0	0	0	0	0	0
2B	95	A	79V300	21.0	29.9	8.9	9.16	3.63	5.54	48.5	0.77	2.90	9.0	7.0	17.5	63	1,047	2,977	273	108	165	144	2
2Bii	95	A	79V300	21.0	29.9	8.9	9.16	3.63	5.54	48.5	0.77	2.90	9.0	19.0	31.0	171	5,036	14,312	1,312	520	793	694	11
2Biii	95	A	79V300	21.0	29.9	8.9	9.16	3.63	5.54	48.5	0.77	2.90	9.0	6.0	7.0	54	359	1,021	94	37	57	49	1
2C	60	BG	79V300	31.4	38.7	7.3	11.45	4.56	6.88	82.6	1.64	4.12	8.8	7.0	17.5	62	647	2,612	299	119	180	216	4
2Cii	60	BG	79V300	31.4	38.7	7.3	11.45	4.56	6.88	82.6	1.64	4.12	8.8	19.0	31.0	167	3,110	12,557	1,436	573	864	1,037	21
2Ciii	60	BG	79V300	31.4	38.7	7.3	11.45	4.56	6.88	82.6	1.64	4.12	8.8	6.0	7.0	53	222	895	102	41	62	74	1
2D	0	BG	79V300	49.7	52.9	3.2	8.93	3.43	5.50	51.7	1.71	4.61	3.3	7.0	17.5	23	0	0	0	0	0	0	0
2Dii	0	BG	79V300	49.7	52.9	3.2	8.93	3.43	5.50	51.7	1.71	4.61	3.3	19.0	31.0	63	0	0	0	0	0	0	0
2Diii	0	BG	79V300	49.7	52.9	3.2	8.93	3.43	5.50	51.7	1.71	4.61	3.3	6.0	7.0	20	0	0	0	0	0	0	0
2E	100	A	79V321	20.2	32.8	12.6	7.24	3.40	3.84	41.0	1.05	2.90	12.7	23.0	32.0	292	9,347	26,565	1,923	903	1,020	1,089	28
2F	100	BG	79V321	34.3	38.7	4.4	16.45	6.60	9.85	91.7	2.01	4.74	5.8	23.0	32.0	133	4,269	19,829	3,262	1,309	1,953	1,818	40
2G	65	BG	79V321	52.1	54.5	2.4	14.33	6.97	7.36	96.0	0.74	4.60	2.5	23.0	32.0	58	1,196	5,392	773	376	397	518	4
2H	0	BG	79V321	81.7	87.8	6.1	7.12	3.19	3.92	46.5	1.18	4.24	7.7	23.0	32.0	177	0	0	0	0	0	0	0
2I	100	A	79V119R	22.3	29.9	7.6	7.87	3.37	4.51	33.0	-1.00	2.68	7.8	26.0	44.0	203	8,923	23,436	1,847	790	1,057	773	0
2Iii	100	A	79V119R	22.3	29.9	7.6	7.87	3.37	4.51	33.0	-1.00	2.68	7.8	5.0	7.0	39	273	717	57	24	32	24	0
2J	100	BG	79V119R	32.6	36.0	3.4	14.91	8.25	6.65	145.4	0.01	4.38	5.0	26.0	44.0	130	5,720	24,553	3,658	2,026	1,633	3,570	0
2Jii	100	BG	79V119R	32.6	36.0	3.4	14.91	8.25	6.65	145.4	0.01	4.38	5.0	5.0	7.0	25	175	751	112	62	50	109	0
2K	100	BG	79V119R	53.8	62.3	8.5	13.24	6.14	7.09	89.7	0.01	4.44	8.6	26.0	44.0	224	9,838	42,809	5,664	2,628	3,035	3,840	0
2Kii	100	BG	79V119R	53.8	62.3	8.5	13.24	6.14	7.09	89.7	0.01	4.44	8.6	5.0	7.0	43	301	1,310	173	80	93	117	0
2L	100	BG	79V119R	67.7	70.7	3.0	8.93	4.73	4.19	57.6	0.02	4.61	4.5	26.0	44.0	117	5,148	23,258	2,075	1,100	974	1,340	0
2Lii	100	BG	79V119R	67.7	70.7	3.0	8.93	4.73	4.19	57.6	0.02	4.61	4.5	5.0	7.0	23	158	712	63	34	30	41	0
2M	100	BG	79V015R	50.6	61.8	11.2	9.77	4.23	5.54	64.5	1.15	4.25	15.0	23.0	43.0	345	14,835	61,788	6,037	2,614	3,423	3,985	71
2Mii	100	BG	79V015R	50.6	61.8	11.2	9.77	4.23	5.54	64.5	1.15	4.25	15.0	8.0	2.0	120	240	1,000	98	42	55	64	1
2N	100	BG	79V015R	70.6	74.1	3.5	9.10	5.48	3.62	89.5	0.76	4.42	6.8	23.0	43.0	156	6,725	29,131	2,651	1,596	1,055	2,607	22
2Nii	100	BG	79V015R	70.6	74.1	3.5	9.10	5.48	3.62	89.5	0.76	4.42	6.8	8.0	2.0	54	109	471	43	26	17	42	0
2O	100	A	87V-11	34.7	37.2	2.5	9.72	4.60	5.12	56.0	0.58	3.90	2.5	21.5	41.0	54	2,204	8,623	819	387	431	472	5
2P	100	A	87V-11	42.6	43.4	0.8	6.61	2.11	4.50	24.7	0.23	2.90	2.1	21.0	41.0	44	1,808	5,139	340	108	231	127	1
2Q	100	BG	87V-11	48.3	56.2	7.9	10.99	4.43	6.57	53.3	0.62	4.45	2.1	21.0	41.0	44	1,808	7,885	867	349	518	420	5
2R	100	BG	87V-11	57.2	76.2	19.0	10.26	4.60	5.66	70.2	0.64	3.94	20.0	21.0	41.0	420	17,220	66,490	6,822	3,059	3,763	4,668	43
2S	100	BG	79V115R	42.4	66.4	24.0	12.70	5.91	6.79	83.2	0.01	4.40	25.4	30.0	47.0	762	35,814	154,430	19,613	9,127	10,486	12,849	2
2T	95	BG	79V115R	69.7	78.0	8.3	9.50	3.84	5.66	71.6	0.01	4.13	9.6	30.0	47.0	288	12,859	52,046	4,944	1,999	2,946	3,727	1
2U	0	BG	79V318	68.4	69.3	0.9	7.88	2.80	5.08	41.7	0.51	3.15	2.5	24.0	41.0	60	0	0	0	0	0	0	0
2Uii	0	BG	79V318	68.4	69.3	0.9	7.88	2.80	5.08	41.7	0.51	3.15	2.5	4.8	3.5	12	0	0	0	0	0	0	0
2V	0	A	79V133R	73.8	78.3	4.5	9.17	3.37	5.80	56.5	0.76	2.87	6.1	22.3	40.0	136	0	0	0	0	0	0	0
2Vii	0	A	79V133R	73.8	78.3	4.5	9.17	3.37	5.80	56.5	0.76	2.87	6.1	17.0	9.5	104	0	0	0	0	0	0	0
2W	80	BG	79V115R	42.4	66.4	24.0	12.70	5.91	6.79	83.2	0.01	4.40	25.4	6.0	47.0	152	5,730	24,709	3,138	1,460	1,678	2,056	0
2X	0	BG	79V115R	69.7	78.0	8.3	9.50	3.84	5.66	71.6	0.01	4.13	9.6	6.0	47.0	58	0	0	0	0	0	0	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.13%	5.12%	6.01%	75.54	0.43	155,121	615,214	68,494	31,496	36,997	46,471	264

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 02+00W

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
W2A	100	BG	79V028R	22.3	26.8	4.5	8.52	3.75	4.77	37.6	0.25	3.41	4.5	27.5	60.0	124	7,425	24,813	2,114	930	1,184	933	6
W2B	100	A	79V313	39.0	41.4	2.4	8.52	3.55	4.97	50.0	0.17	3.00	2.4	27.0	60.0	65	3,888	11,431	974	406	568	572	2
W2C	75	A	79V030R	53.3	58.8	5.5	6.55	2.76	3.80	29.2	0.53	2.71	5.5	26.0	60.0	143	6,435	17,090	1,121	472	649	499	9
W2D	0	BG	79V030R	65.7	72.2	6.5	11.09	5.29	5.80	67.0	0.79	4.09	6.5	26.0	60.0	169	0	0	0	0	0	0	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
7.89%	3.39%	4.50%	37.57	0.32	17,748	53,334	4,209	1,808	2,401	2,004	17

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 02+00W

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag$ (g/t)	Au$ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
W2A	100	BG	79V028R	22.3	26.8	4.5	8.52	3.75	4.77	37.6	0.25	3.41	4.5	27.5	60.0	124	7,425	24,813	2,114	930	1,184	933	6
W2B	100	A	79V313	39.0	41.4	2.4	8.52	3.55	4.97	50.0	0.17	3.00	2.4	27.0	60.0	65	3,888	11,431	974	406	568	572	2
W2C	75	A	79V030R	53.3	58.8	5.5	6.55	2.76	3.80	29.2	0.53	2.71	5.5	26.0	60.0	143	8,580	22,787	1,495	629	866	665	12
W2D	0	BG	79V030R	65.7	72.2	6.5	11.09	5.29	5.80	67.0	0.79	4.09	6.5	26.0	60.0	169	10,140	40,643	4,507	2,150	2,357	2,723	32

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.12%	4.13%	4.99%	49.09	0.53	30,033	99,673	9,090	4,115	4,975	4,893	52

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

$ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 03+00E APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
3A	50	BG	P53V010	56.2	61.3	5.1	12.11	5.38	6.73	94.5	-1.00	4.21	5.8	30.0	28.5	174	4,959	20,460	2,478	1,101	1,377	1,933	0
3B	0	BG	P53V010	82.4	84.8	2.4	10.56	4.56	6.00	75.5	-1.00	4.21	6.5	30.0	28.5	195	5,558	22,929	2,421	1,046	1,376	1,731	0
3C	0	BG	P53V010	91.8	101.0	9.2	8.22	3.44	4.77	64.1	-1.00	3.80	10.7	30.0	28.5	321	9,149	34,069	2,797	1,172	1,625	2,184	0
3D	100	A	87V-10	24.8	31.9	7.1	6.63	2.31	4.31	39.8	0.63	2.82	7.1	30.0	30.0	213	6,390	17,659	1,169	408	761	703	11
3E	100	BG	87V-10	34.3	36.9	2.6	8.53	3.32	5.22	46.2	0.51	3.58	2.8	30.0	30.0	84	2,520	8,841	755	294	462	408	5
3F	100	BG	87V-10	45.0	65.7	20.7	8.99	3.82	5.18	54.0	1.00	4.15	10.8	30.0	30.0	324	9,720	39,531	3,558	1,510	2,048	2,135	40
3G	100	BG	87V-09	34.9	36.4	1.5	13.82	7.40	6.42	85.7	0.17	3.68	2.7	30.0	32.0	81	2,592	9,348	1,292	692	600	801	2
3H	90	BG	87V-09	39.9	65.5	25.6	10.93	4.57	6.36	69.1	0.64	4.30	28.5	30.0	32.0	855	27,360	115,295	12,602	5,269	7,333	7,967	74
3I	0	BG	P54V016	60.4	66.5	6.1	9.67	4.95	4.72	-1.0	-1.00	4.21	6.1	30.0	35.0	183	6,405	26,426	2,555	1,308	1,247	0	0
3J	100	BG	87V-09	39.9	65.5	25.6	10.93	4.57	6.36	69.1	0.64	4.30	26.0	16.0	23.5	416	9,776	41,196	4,503	1,883	2,620	2,847	26
3K	85	BG	P54V016	60.4	66.5	6.1	9.67	4.95	4.72	-1.0	-1.00	4.21	12.5	16.0	23.5	200	4,700	19,391	1,875	960	915	0	0
3L	100	BG	P53V010	56.2	61.3	5.1	12.11	5.38	6.73	94.5	-1.00	4.21	11.5	13.5	28.5	155	4,425	18,255	2,211	982	1,229	1,725	0
3M	100	BG	87V-10	45.0	65.7	20.7	8.99	3.82	5.18	54.0	1.00	4.15	13.0	13.5	28.5	176	5,002	20,342	1,831	777	1,054	1,098	20

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.17%	4.42%	5.75%	59.77	0.45	98,554	393,743	40,046	17,400	22,646	23,533	177

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

CROSS SECTION: 03+00E

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
3A	50	BG	P53V010	56.2	61.3	5.1	12.11	5.38	6.73	94.5	-1.00	4.21	5.8	30.0	28.5	174	2,480	10,230	1,239	550	688	967	0
3B	0	BG	P53V010	82.4	84.8	2.4	10.56	4.56	6.00	75.5	-1.00	4.21	6.5	30.0	28.5	195	0	0	0	0	0	0	0
3C	0	BG	P53V010	91.8	101.0	9.2	8.22	3.44	4.77	64.1	-1.00	3.80	10.7	30.0	28.5	321	0	0	0	0	0	0	0
3D	100	A	87V-10	24.8	31.9	7.1	6.63	2.31	4.31	39.8	0.63	2.82	7.1	30.0	30.0	213	6,390	17,659	1,169	408	761	703	11
3E	100	BG	87V-10	34.3	36.9	2.6	8.53	3.32	5.22	46.2	0.51	3.58	2.8	30.0	30.0	84	2,520	8,841	755	294	462	408	5
3F	100	BG	87V-10	45.0	65.7	20.7	8.99	3.82	5.18	54.0	1.00	4.15	10.8	30.0	30.0	324	9,720	39,531	3,558	1,510	2,048	2,135	40
3G	100	BG	87V-09	34.9	36.4	1.5	13.82	7.40	6.42	85.7	0.17	3.68	2.7	30.0	32.0	81	2,592	9,348	1,292	692	600	801	2
3H	90	BG	87V-09	39.9	65.5	25.6	10.93	4.57	6.36	69.1	0.64	4.30	28.5	30.0	32.0	855	24,624	103,766	11,342	4,742	6,599	7,170	66
3I	0	BG	P54V016	60.4	66.5	6.1	9.67	4.95	4.72	-1.0	-1.00	4.21	6.1	30.0	35.0	183	0	0	0	0	0	0	0
3J	100	BG	87V-09	39.9	65.5	25.6	10.93	4.57	6.36	69.1	0.64	4.30	26.0	16.0	23.5	416	9,776	41,196	4,503	1,883	2,620	2,847	26
3K	85	BG	P54V016	60.4	66.5	6.1	9.67	4.95	4.72	-1.0	-1.00	4.21	12.5	16.0	23.5	200	3,995	16,483	1,594	816	778	0	0
3L	100	BG	P53V010	56.2	61.3	5.1	12.11	5.38	6.73	94.5	-1.00	4.21	11.5	13.5	28.5	155	4,425	18,255	2,211	982	1,229	1,725	0
3M	100	BG	87V-10	45.0	65.7	20.7	8.99	3.82	5.18	54.0	1.00	4.15	13.0	13.5	28.5	176	5,002	20,342	1,831	777	1,054	1,098	20

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.32%	4.43%	5.89%	62.50	0.59	71,523	285,651	29,492	12,653	16,839	17,854	170

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 04+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
4A	0	BG	88V-03	63.8	66.2	2.4	16.30	7.31	8.98	100.3	1.43	4.53	2.4	16.0	30.0	38	0	0	0	0	0	0	0
4B	50	BG	79V306	60.4	65.1	4.7	17.26	8.65	8.62	100.9	0.96	4.59	4.7	30.0	40.0	141	2,820	12,685	2,191	1,097	1,093	1,280	12
4C	40	BG	79V306	73.8	76.8	3.0	14.72	7.70	7.02	77.7	1.63	4.21	3.1	30.0	25.0	93	930	3,837	565	295	269	298	6
4D	0	BG	79V306	96.6	109.1	12.5	8.54	4.09	4.45	58.3	1.24	4.12	12.5	30.0	40.0	375	0	0	0	0	0	0	0
4Ei	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	19.0	6.0	86	513	1,498	147	58	89	84	1
4Eii	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	30.0	30.0	135	4,050	11,828	1,159	459	700	660	9
4Eiii	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	16.0	8.5	72	612	1,787	175	69	106	100	1
4Eiv	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	19.0	7.0	86	599	1,748	171	68	103	98	1
4Fi	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	19.0	6.0	82	490	1,729	171	72	99	98	2
4Fii	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	30.0	30.0	129	3,870	13,653	1,350	567	784	771	16
4Fiii	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	16.0	8.5	69	585	2,063	204	86	118	117	2
4Fiv	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	19.0	7.0	82	572	2,018	200	84	116	114	2
4Gi	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	19.0	6.0	76	456	1,895	263	112	151	165	2
4Gii	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	30.0	30.0	120	3,600	14,959	2,075	886	1,189	1,301	15
4Giii	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	16.0	8.5	64	544	2,260	314	134	180	197	2
4Giv	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	19.0	7.0	76	532	2,211	307	131	176	192	2
4Hi	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	19.0	6.0	86	513	2,212	243	109	134	145	6
4Hii	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	30.0	30.0	135	4,050	17,464	1,919	859	1,060	1,144	44
4Hiii	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	16.0	8.5	72	612	2,639	290	130	160	173	7
4Hiv	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	19.0	7.0	86	599	2,581	284	127	157	169	7
4Ii	100	A	79V033R	23.8	26.8	3.0	7.50	2.91	4.59	42.2	0.72	2.84	3.0	18.5	4.5	56	250	695	52	20	32	29	1
4Iii	100	A	79V033R	23.8	26.8	3.0	7.50	2.91	4.59	42.2	0.72	2.84	3.0	30.0	30.5	90	2,745	7,640	573	222	351	322	6
4Iiii	100	A	79V033R	23.8	26.8	3.0	7.50	2.91	4.59	42.2	0.72	2.84	3.0	12.0	3.5	36	126	351	26	10	16	15	0
4Ji	100	BG	79V033R	26.8	38.5	11.7	11.01	4.91	6.09	70.3	1.25	4.14	11.7	18.5	4.5	216	974	3,952	435	194	241	278	5
4Jii	100	BG	79V033R	26.8	38.5	11.7	11.01	4.91	6.09	70.3	1.25	4.14	11.7	30.0	30.5	351	10,706	43,434	4,778	2,133	2,645	3,053	54
4Jiii	100	BG	79V033R	26.8	38.5	11.7	11.01	4.91	6.09	70.3	1.25	4.14	11.7	12.0	3.5	140	491	1,994	219	98	121	140	2
4Ki	100	BG	79V033R	42.3	63.2	20.9	9.87	3.93	5.94	60.7	0.76	4.02	20.9	18.5	4.5	387	1,740	6,855	677	269	407	416	5
4Kii	100	BG	79V033R	42.3	63.2	20.9	9.87	3.93	5.94	60.7	0.76	4.02	20.9	30.0	30.5	627	19,124	75,339	7,436	2,961	4,475	4,573	57
4Kiii	100	BG	79V033R	42.3	63.2	20.9	9.87	3.93	5.94	60.7	0.76	4.02	20.9	12.0	3.5	251	878	3,458	341	136	205	210	3
4Li	100	BG	79V305	18.4	31.4	12.5	8.69	4.18	4.51	56.9	0.48	3.91	13.0	10.5	3.5	137	478	1,831	159	77	83	104	1
4Lii	100	BG	79V305	18.4	31.4	12.5	8.69	4.18	4.51	56.9	0.48	3.91	13.0	32.5	34.5	423	14,576	55,853	4,854	2,335	2,519	3,178	27
4Liii	100	BG	79V305	18.4	31.4	12.5	8.69	4.18	4.51	56.9	0.48	3.91	13.0	12.5	15.5	163	2,519	9,651	839	403	435	549	5
4Mi	100	BG	79V305	42.0	44.7	2.7	11.28	4.40	6.88	64.6	0.40	3.36	2.7	10.5	3.5	28	99	327	37	14	22	21	0
4Mii	100	BG	79V305	42.0	44.7	2.7	11.28	4.40	6.88	64.6	0.40	3.36	2.7	22.0	34.5	59	2,049	6,748	761	297	464	436	3
4Miii	100	BG	79V305	42.0	44.7	2.7	11.28	4.40	6.88	64.6	0.40	3.36	2.7	12.5	15.5	34	523	1,723	194	76	119	111	1
4Ni	100	BG	79V305	44.7	66.4	21.7	11.89	4.55	7.34	70.5	0.81	4.19	21.7	10.5	3.5	228	797	3,275	389	149	240	231	3
4Nii	100	BG	79V305	44.7	66.4	21.7	11.89	4.55	7.34	70.5	0.81	4.19	21.7	32.5	34.5	705	24,331	99,908	11,879	4,546	7,333	7,044	81
4Niii	100	BG	79V305	44.7	66.4	21.7	11.89	4.55	7.34	70.5	0.81	4.19	21.7	12.5	15.5	271	4,204	17,264	2,053	786	1,267	1,217	14
40	0	BG	79V308	69.2	72.2	3.0	8.21	3.50	4.72	46.0	1.13	4.01	3.0	26.0	45.0	78	0	0	0	0	0	0	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.86%	4.57%	6.30%	66.08	0.92	112,556	439,363	47,728	20,067	27,661	29,033	404

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 04+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
4A	0	BG	88V-03	63.8	66.2	2.4	16.30	7.31	8.98	100.3	1.43	4.53	2.4	16.0	30.0	38	1,152	5,114	833	374	459	513	7
4B	50	BG	79V306	60.4	65.1	4.7	17.26	8.65	8.62	100.9	0.96	4.59	4.7	30.0	40.0	141	5,640	25,370	4,381	2,194	2,187	2,560	24
4C	40	BG	79V306	73.8	76.8	3.0	14.72	7.70	7.02	77.7	1.63	4.21	3.1	30.0	25.0	93	2,325	9,592	1,412	739	673	745	16
4D	0	BG	79V306	96.6	109.1	12.5	8.54	4.09	4.45	58.3	1.24	4.12	12.5	30.0	40.0	375	15,000	60,564	5,172	2,477	2,695	3,531	75
4Ei	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	19.0	6.0	86	513	1,498	147	58	89	84	1
4Eii	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	30.0	30.0	135	4,050	11,828	1,159	459	700	660	9
4Eiii	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	16.0	8.5	72	612	1,787	175	69	106	100	1
4Eiv	100	BG	79V304	29.3	33.8	4.5	9.80	3.88	5.92	55.8	0.73	2.98	4.5	19.0	7.0	86	599	1,748	171	68	103	98	1
4Fi	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	19.0	6.0	82	490	1,729	171	72	99	98	2
4Fii	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	30.0	30.0	129	3,870	13,653	1,350	567	784	771	16
4Fiii	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	16.0	8.5	69	585	2,063	204	86	118	117	2
4Fiv	100	BG	79V304	38.4	42.7	4.3	9.89	4.15	5.74	56.5	1.14	3.60	4.3	19.0	7.0	82	572	2,018	200	84	116	114	2
4Gi	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	19.0	6.0	76	456	1,895	263	112	151	165	2
4Gii	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	30.0	30.0	120	3,600	14,959	2,075	886	1,189	1,301	15
4Giii	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	16.0	8.5	64	544	2,260	314	134	180	197	2
4Giv	100	BG	79V304	53.0	57.0	4.0	13.87	5.92	7.95	87.0	1.02	4.24	4.0	19.0	7.0	76	532	2,211	307	131	176	192	2
4Hi	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	19.0	6.0	86	513	2,212	243	109	134	145	6
4Hii	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	30.0	30.0	135	4,050	17,464	1,919	859	1,060	1,144	44
4Hiii	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	16.0	8.5	72	612	2,639	290	130	160	173	7
4Hiv	100	BG	79V304	74.6	79.1	4.5	10.99	4.92	6.07	65.5	2.53	4.40	4.5	19.0	7.0	86	599	2,581	284	127	157	169	7
4Ii	100	A	79V033R	23.8	26.8	3.0	7.50	2.91	4.59	42.2	0.72	2.84	3.0	18.5	4.5	56	250	695	52	20	32	29	1
4Iii	100	A	79V033R	23.8	26.8	3.0	7.50	2.91	4.59	42.2	0.72	2.84	3.0	30.0	30.5	90	2,745	7,640	573	222	351	322	6
4Iiii	100	A	79V033R	23.8	26.8	3.0	7.50	2.91	4.59	42.2	0.72	2.84	3.0	12.0	3.5	36	126	351	26	10	16	15	0
4Ji	100	BG	79V033R	26.8	38.5	11.7	11.01	4.91	6.09	70.3	1.25	4.14	11.7	18.5	4.5	216	974	3,952	435	194	241	278	5
4Jii	100	BG	79V033R	26.8	38.5	11.7	11.01	4.91	6.09	70.3	1.25	4.14	11.7	30.0	30.5	351	10,706	43,434	4,778	2,133	2,645	3,053	54
4Jiii	100	BG	79V033R	26.8	38.5	11.7	11.01	4.91	6.09	70.3	1.25	4.14	11.7	12.0	3.5	140	491	1,994	219	98	121	140	2
4Ki	100	BG	79V033R	42.3	63.2	20.9	9.87	3.93	5.94	60.7	0.76	4.02	20.9	18.5	4.5	387	1,740	6,855	677	269	407	416	5
4Kii	100	BG	79V033R	42.3	63.2	20.9	9.87	3.93	5.94	60.7	0.76	4.02	20.9	30.0	30.5	627	19,124	75,339	7,436	2,961	4,475	4,573	57
4Kiii	100	BG	79V033R	42.3	63.2	20.9	9.87	3.93	5.94	60.7	0.76	4.02	20.9	12.0	3.5	251	878	3,458	341	136	205	210	3
4Li	100	BG	79V305	18.4	31.4	12.5	8.69	4.18	4.51	56.9	0.48	3.91	13.0	10.5	3.5	137	478	1,831	159	77	83	104	1
4Lii	100	BG	79V305	18.4	31.4	12.5	8.69	4.18	4.51	56.9	0.48	3.91	13.0	32.5	34.5	423	14,576	55,853	4,854	2,335	2,519	3,178	27
4Liii	100	BG	79V305	18.4	31.4	12.5	8.69	4.18	4.51	56.9	0.48	3.91	13.0	12.5	15.5	163	2,519	9,651	839	403	435	549	5
4Mi	100	BG	79V305	42.0	44.7	2.7	11.28	4.40	6.88	64.6	0.40	3.36	2.7	10.5	3.5	28	99	327	37	14	22	21	0
4Mii	100	BG	79V305	42.0	44.7	2.7	11.28	4.40	6.88	64.6	0.40	3.36	2.7	22.0	34.5	59	2,049	6,748	761	297	464	436	3
4Miii	100	BG	79V305	42.0	44.7	2.7	11.28	4.40	6.88	64.6	0.40	3.36	2.7	12.5	15.5	34	523	1,723	194	76	119	111	1
4Ni	100	BG	79V305	44.7	66.4	21.7	11.89	4.55	7.34	70.5	0.81	4.19	21.7	10.5	3.5	228	797	3,275	389	149	240	231	3
4Nii	100	BG	79V305	44.7	66.4	21.7	11.89	4.55	7.34	70.5	0.81	4.19	21.7	32.5	34.5	705	24,331	99,908	11,879	4,546	7,333	7,044	81
4Niii	100	BG	79V305	44.7	66.4	21.7	11.89	4.55	7.34	70.5	0.81	4.19	21.7	12.5	15.5	271	4,204	17,264	2,053	786	1,267	1,217	14
4O	0	BG	79V308	69.2	72.2	3.0	8.21	3.50	4.72	46.0	1.13	4.01	3.0	26.0	45.0	78	3,510	13,794	1,134	483	651	635	16

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.78%	4.64%	6.14%	65.96	0.97	136,433	537,275	57,905	24,941	32,964	35,438	524

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 05+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
5A	100	BG	87V-08	22.2	29.4	7.2	18.13	8.14	9.99	95.5	1.33	4.54	7.2	32.0	32.5	230	7,488	33,316	6,040	2,712	3,328	3,182	44
5B	100	BG	87V-08	33.0	36.2	3.2	12.52	5.26	7.26	73.1	0.79	4.57	3.2	32.0	32.5	102	3,328	14,905	1,866	784	1,082	1,090	12
5C	100	BG	87V-08	40.6	49.6	9.0	11.46	4.95	6.52	73.1	0.82	4.23	9.0	32.0	32.5	288	9,360	38,801	4,450	1,921	2,530	2,836	32
5D	100	BG	87V-08	52.8	57.1	4.3	10.46	4.80	5.66	52.9	1.71	4.37	4.3	32.0	32.5	138	4,472	19,152	2,003	919	1,084	1,013	33
5E	100	BG	87V-08	63.0	68.5	5.5	7.39	4.08	3.31	43.8	2.07	3.66	5.5	32.0	32.5	176	5,720	20,516	1,516	837	679	899	42
5F	100	BG	87V-07	20.4	28.0	7.6	10.60	4.59	6.02	70.0	0.72	4.48	7.6	32.5	31.0	247	7,657	33,617	3,567	1,543	2,024	2,353	24
5G	100	BG	87V-07	44.3	55.0	10.7	9.55	4.21	5.34	64.9	0.71	3.87	10.7	32.5	31.0	348	10,780	40,885	3,905	1,721	2,183	2,653	29
5H	100	A	87V-08	36.2	39.1	2.9	7.50	2.82	4.69	36.7	0.29	2.93	2.8	32.0	32.5	90	2,912	8,362	628	236	392	307	2

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.44%	5.09%	6.35%	68.40	1.04	51,717	209,554	23,975	10,673	13,302	14,333	219

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 06+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
6Ai	100	BG	79V095R	48.1	62.6	14.5	13.24	6.45	6.78	80.6	0.59	4.18	14.5	19.5	16.0	283	4,524	18,532	2,452	1,195	1,256	1,494	11
6Aii	100	BG	79V095R	48.1	62.6	14.5	13.24	6.45	6.78	80.6	0.59	4.18	14.5	33.5	30.5	486	14,815	60,690	8,029	3,914	4,115	4,892	36
6Aiii	100	BG	79V095R	48.1	62.6	14.5	13.24	6.45	6.78	80.6	0.59	4.18	14.5	20.5	14.5	297	4,310	17,656	2,336	1,139	1,197	1,423	10
6Bi	100	BG	79V095R	71.3	81.1	9.8	11.23	5.14	6.09	72.3	0.86	4.52	9.8	19.5	16.0	191	3,058	13,544	1,521	696	825	979	12
6Bii	95	BG	79V095R	71.3	81.1	9.8	11.23	5.14	6.09	72.3	0.86	4.52	9.8	33.5	30.5	328	9,512	42,137	4,732	2,166	2,566	3,046	36
6Biii	100	BG	79V095R	71.3	81.1	9.8	11.23	5.14	6.09	72.3	0.86	4.52	9.8	20.5	14.5	201	2,913	12,904	1,449	663	786	933	11
6Ci	100	A	79V047R	35.1	40.5	5.4	8.46	3.85	4.61	56.3	0.66	2.97	5.4	17.5	2.3	95	217	633	54	24	29	36	0
6Cii	100	A	79V047R	35.1	40.5	5.4	8.46	3.85	4.61	56.3	0.66	2.97	5.4	30.5	28.0	165	4,612	13,423	1,136	517	619	756	9
6Ciii	100	A	79V047R	35.1	40.5	5.4	8.46	3.85	4.61	56.3	0.66	2.97	5.4	14.5	3.5	78	274	798	67	31	37	45	1
6Di	100	BG	79V047R	40.5	45.7	5.2	10.42	4.74	5.68	71.1	1.07	4.40	5.2	17.5	2.3	91	209	903	94	43	51	64	1
6Dii	100	BG	79V047R	40.5	45.7	5.2	10.42	4.74	5.68	71.1	1.07	4.40	5.2	30.5	28.0	159	4,441	19,149	1,995	908	1,088	1,361	20
6Diii	100	BG	79V047R	40.5	45.7	5.2	10.42	4.74	5.68	71.1	1.07	4.40	5.2	14.5	3.5	75	264	1,138	119	54	65	81	1
6Ei	100	BG	79V047R	48.2	62.1	13.9	9.12	3.57	5.55	61.0	0.44	4.46	3.9	17.5	2.3	68	157	686	63	24	38	42	0
6Eii	100	BG	79V047R	48.2	62.1	13.9	9.12	3.57	5.55	61.0	0.44	4.46	3.9	30.5	28.0	119	3,331	14,557	1,328	520	808	888	6
6Eiii	100	BG	79V047R	48.2	62.1	13.9	9.12	3.57	5.55	61.0	0.44	4.46	3.9	14.5	3.5	57	198	865	79	31	48	53	0
6Fi	25	BG	79V047R	75.3	78.0	2.7	16.44	15.44	1.01	141.3	2.48	3.89	2.7	17.5	2.3	47	27	104	17	16	1	15	0
6Fii	25	BG	79V047R	75.3	78.0	2.7	16.44	15.44	1.01	141.3	2.48	3.89	2.7	30.5	28.0	82	576	2,198	361	339	22	311	5
6Fiii	25	BG	79V047R	75.3	78.0	2.7	16.44	15.44	1.01	141.3	2.48	3.89	2.7	14.5	3.5	39	34	131	21	20	1	18	0
6Gi	100	BG	79V094R	25.1	34.2	8.9	11.90	5.52	6.37	77.0	0.30	4.16	9.1	11.5	15.3	105	1,601	6,528	776	360	416	503	2
6Gii	75	BG	79V094R	25.1	34.2	8.9	11.90	5.52	6.37	77.0	0.30	4.16	9.1	30.5	31.3	278	6,515	26,562	3,158	1,466	1,692	2,045	8
6Giii	100	BG	79V094R	25.1	34.2	8.9	11.90	5.52	6.37	77.0	0.30	4.16	9.1	9.5	14.0	86	1,210	4,934	587	272	314	380	1
6Hi	100	BG	79V094R	50.0	58.8	8.3	11.14	4.66	6.48	69.2	0.26	4.12	8.8	11.5	15.3	101	1,548	6,252	696	291	405	433	2
6Hii	100	BG	79V094R	50.0	58.8	8.3	11.14	4.66	6.48	69.2	0.26	4.12	8.8	30.5	31.3	268	8,401	33,920	3,779	1,581	2,198	2,347	9
6Hiii	100	BG	79V094R	50.0	58.8	8.3	11.14	4.66	6.48	69.2	0.26	4.12	8.8	9.5	14.0	84	1,170	4,726	526	220	306	327	1
6I	0	A	79V126R	32.0	38.1	6.1	11.07	4.14	6.93	69.3	0.55	3.30	6.1	30.0	30.0	183	0	0	0	0	0	0	0
6Ji	0	BG	79V047R	86.1	89.6	3.5	9.59	3.15	6.44	50.5	0.78	3.30	3.5	17.5	2.3	61	0	0	0	0	0	0	0
6Jii	0	BG	79V047R	86.1	89.6	3.5	9.59	3.15	6.44	50.5	0.78	3.30	3.5	30.5	28.0	107	0	0	0	0	0	0	0
6Jiii	0	BG	79V047R	86.1	89.6	3.5	9.59	3.15	6.44	50.5	0.78	3.30	3.5	14.5	3.5	51	0	0	0	0	0	0	0
6K	40	BG	79V020R	78.0	79.9	1.9	6.64	3.12	3.52	55.2	1.12	4.24	2.0	28.5	45.0	57	1,026	4,263	283	133	150	235	5
6L	0	BG	EA81VX1	51.8	55.2	3.4	8.37	3.43	4.94	48.2	-1.00	3.29	3.4	20.0	28.0	68	0	0	0	0	0	0	0
6M	0	BG	EA81VX1	87.4	92.1	4.7	6.76	3.55	3.21	49.8	-1.00	3.95	4.7	20.0	28.0	94	0	0	0	0	0	0	0
6N	0	BG	P55V129	61.0	64.1	3.1	6.06	2.86	3.20	-1.0	-1.00	4.21	3.1	30.0	65.0	93	0	0	0	0	0	0	0
6O	95	BG	79V020R	61.8	69.2	2.3	18.92	9.60	9.33	127.4	1.30	4.11	7.8	28.5	45.0	222	9,503	38,277	7,246	3,675	3,571	4,877	50

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.42%	5.88%	6.54%	79.83	0.69	84,449	345,506	42,904	20,299	22,605	27,583	239

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 06+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
6Ai	100	BG	79V095R	48.1	62.6	14.5	13.24	6.45	6.78	80.6	0.59	4.18	14.5	19.5	16.0	283	4,524	18,532	2,452	1,195	1,256	1,494	11
6Aii	100	BG	79V095R	48.1	62.6	14.5	13.24	6.45	6.78	80.6	0.59	4.18	14.5	33.5	30.5	486	14,815	60,690	8,029	3,914	4,115	4,892	36
6Aiii	100	BG	79V095R	48.1	62.6	14.5	13.24	6.45	6.78	80.6	0.59	4.18	14.5	20.5	14.5	297	4,310	17,656	2,336	1,139	1,197	1,423	10
6Bi	100	BG	79V095R	71.3	81.1	9.8	11.23	5.14	6.09	72.3	0.86	4.52	9.8	19.5	16.0	191	3,058	13,544	1,521	696	825	979	12
6Bii	95	BG	79V095R	71.3	81.1	9.8	11.23	5.14	6.09	72.3	0.86	4.52	9.8	33.5	30.5	328	10,013	44,354	4,981	2,280	2,701	3,207	38
6Biii	100	BG	79V095R	71.3	81.1	9.8	11.23	5.14	6.09	72.3	0.86	4.52	9.8	20.5	14.5	201	2,913	12,904	1,449	663	786	933	11
6Ci	100	A	79V047R	35.1	40.5	5.4	8.46	3.85	4.61	56.3	0.66	2.97	5.4	17.5	2.3	95	217	633	54	24	29	36	0
6Cii	100	A	79V047R	35.1	40.5	5.4	8.46	3.85	4.61	56.3	0.66	2.97	5.4	30.5	28.0	165	4,612	13,423	1,136	517	619	756	9
6Ciii	100	A	79V047R	35.1	40.5	5.4	8.46	3.85	4.61	56.3	0.66	2.97	5.4	14.5	3.5	78	274	798	67	31	37	45	1
6Di	100	BG	79V047R	40.5	45.7	5.2	10.42	4.74	5.68	71.1	1.07	4.40	5.2	17.5	2.3	91	209	903	94	43	51	64	1
6Dii	100	BG	79V047R	40.5	45.7	5.2	10.42	4.74	5.68	71.1	1.07	4.40	5.2	30.5	28.0	159	4,441	19,149	1,995	908	1,088	1,361	20
6Diii	100	BG	79V047R	40.5	45.7	5.2	10.42	4.74	5.68	71.1	1.07	4.40	5.2	14.5	3.5	75	264	1,138	119	54	65	81	1
6Ei	100	BG	79V047R	48.2	62.1	13.9	9.12	3.57	5.55	61.0	0.44	4.46	3.9	17.5	2.3	68	157	686	63	24	38	42	0
6Eii	100	BG	79V047R	48.2	62.1	13.9	9.12	3.57	5.55	61.0	0.44	4.46	3.9	30.5	28.0	119	3,331	14,557	1,328	520	808	888	6
6Eiii	100	BG	79V047R	48.2	62.1	13.9	9.12	3.57	5.55	61.0	0.44	4.46	3.9	14.5	3.5	57	198	865	79	31	48	53	0
6Fi	25	BG	79V047R	75.3	78.0	2.7	16.44	15.44	1.01	141.3	2.48	3.89	2.7	17.5	2.3	47	109	414	68	64	4	59	1
6Fii	25	BG	79V047R	75.3	78.0	2.7	16.44	15.44	1.01	141.3	2.48	3.89	2.7	30.5	28.0	82	2,306	8,790	1,446	1,357	89	1,242	22
6Fiii	25	BG	79V047R	75.3	78.0	2.7	16.44	15.44	1.01	141.3	2.48	3.89	2.7	14.5	3.5	39	137	522	86	81	5	74	1
6Gi	100	BG	79V094R	25.1	34.2	8.9	11.90	5.52	6.37	77.0	0.30	4.16	9.1	11.5	15.3	105	1,601	6,528	776	360	416	503	2
6Gii	75	BG	79V094R	25.1	34.2	8.9	11.90	5.52	6.37	77.0	0.30	4.16	9.1	30.5	31.3	278	8,687	35,416	4,211	1,955	2,256	2,727	11
6Giii	100	BG	79V094R	25.1	34.2	8.9	11.90	5.52	6.37	77.0	0.30	4.16	9.1	9.5	14.0	86	1,210	4,934	587	272	314	380	1
6Hi	100	BG	79V094R	50.0	58.8	8.3	11.14	4.66	6.48	69.2	0.26	4.12	8.8	11.5	15.3	101	1,548	6,252	696	291	405	433	2
6Hii	100	BG	79V094R	50.0	58.8	8.3	11.14	4.66	6.48	69.2	0.26	4.12	8.8	30.5	31.3	268	8,401	33,920	3,779	1,581	2,198	2,347	9
6Hiii	100	BG	79V094R	50.0	58.8	8.3	11.14	4.66	6.48	69.2	0.26	4.12	8.8	9.5	14.0	84	1,170	4,726	526	220	306	327	1
6I	0	A	79V126R	32.0	38.1	6.1	11.07	4.14	6.93	69.3	0.55	3.30	6.1	30.0	30.0	183	5,490	17,755	1,965	735	1,230	1,230	10
6Ji	0	BG	79V047R	86.1	89.6	3.5	9.59	3.15	6.44	50.5	0.78	3.30	3.5	17.5	2.3	61	141	456	44	14	29	23	0
6Jii	0	BG	79V047R	86.1	89.6	3.5	9.59	3.15	6.44	50.5	0.78	3.30	3.5	30.5	28.0	107	2,989	9,666	927	304	623	488	8
6Jiii	0	BG	79V047R	86.1	89.6	3.5	9.59	3.15	6.44	50.5	0.78	3.30	3.5	14.5	3.5	51	178	574	55	18	37	29	0
6K	40	BG	79V020R	78.0	79.9	1.9	6.64	3.12	3.52	55.2	1.12	4.24	2.0	28.5	45.0	57	2,565	10,658	708	333	375	588	12
6L	0	BG	EA81VX1	51.8	55.2	3.4	8.37	3.43	4.94	48.2	-1.00	3.29	3.4	20.0	28.0	68	1,904	6,139	514	211	303	296	0
6M	0	BG	EA81VX1	87.4	92.1	4.7	6.76	3.55	3.21	49.8	-1.00	3.95	4.7	20.0	28.0	94	2,632	10,188	689	362	327	507	0
6N	0	BG	P55V129	61.0	64.1	3.1	6.06	2.86	3.20	-1.0	-1.00	4.21	3.1	30.0	65.0	93	6,045	24,940	1,511	713	798	0	0
6O	95	BG	79V020R	61.8	69.2	2.3	18.92	9.60	9.33	127.4	1.30	4.11	7.8	28.5	45.0	222	10,004	40,292	7,627	3,868	3,759	5,133	52

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.75%	5.61%	6.14%	73.84	0.66	110,453	442,001	51,917	24,779	27,138	32,639	290

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 07+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
7A	100	BG	87V-06	36.9	55.3	18.4	9.58	4.27	5.32	65.3	1.04	4.47	18.4	30.0	29.0	552	16,008	70,125	6,725	2,994	3,731	4,579	73
7B	100	BG	87V-06	55.9	67.4	11.5	8.00	4.09	3.91	44.4	1.01	4.37	11.5	30.0	29.0	345	10,005	42,847	3,428	1,752	1,675	1,902	43
7C	95	BG	87V-05	24.6	56.0	31.4	9.47	4.07	5.40	63.7	0.75	4.23	31.4	30.0	27.0	942	24,162	100,162	9,485	4,077	5,409	6,380	75

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.21%	4.14%	5.07%	60.35	0.90	50,175	213,134	19,638	8,823	10,815	12,862	191

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 07+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
7A	100	BG	87V-06	36.9	55.3	18.4	9.58	4.27	5.32	65.3	1.04	4.47	18.4	30.0	29.0	552	16,008	70,125	6,725	2,994	3,731	4,579	73
7B	100	BG	87V-06	55.9	67.4	11.5	8.00	4.09	3.91	44.4	1.01	4.37	11.5	30.0	29.0	345	10,005	42,847	3,428	1,752	1,675	1,902	43
7C	95	BG	87V-05	24.6	56.0	31.4	9.47	4.07	5.40	63.7	0.75	4.23	31.4	30.0	27.0	942	25,434	105,434	9,985	4,291	5,693	6,716	79

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.22%	4.14%	5.08%	60.43	0.89	51,447	218,406	20,137	9,038	11,099	13,198	195

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 08+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
8A	0	BG	88V-02	71.5	77.0	5.5	6.72	3.29	3.43	45.5	0.95	4.00	3.5	13.5	55.0	47	0	0	0	0	0	0	0
8B	0	BG	79V320	70.1	73.7	3.6	6.56	3.13	3.43	46.7	0.71	4.36	3.6	15.5	30.5	56	0	0	0	0	0	0	0
8C	25	BG	79V053R	92.3	98.6	6.3	13.23	4.95	8.28	84.0	1.02	4.30	6.3	16.0	60.5	101	1,525	6,425	850	318	532	540	7
8Di	100	BG	88V-49	53.4	65.0	11.6	10.99	5.60	5.40	67.6	1.20	4.41	11.6	5.0	2.0	58	116	501	55	28	27	34	1
8Dii	100	BG	88V-49	53.4	65.0	11.6	10.99	5.60	5.40	67.6	1.20	4.41	11.6	14.0	58.5	162	9,500	41,059	4,516	2,299	2,217	2,776	49
8Diii	100	BG	88V-49	53.4	65.0	11.6	10.99	5.60	5.40	67.6	1.20	4.41	11.6	8.5	1.5	99	148	639	70	36	35	43	1
8Ei	100	BG	88V-49	67.3	71.8	4.5	11.21	5.73	5.48	76.1	1.17	4.16	4.5	5.0	2.0	23	45	183	21	11	10	14	0
8Eii	100	BG	88V-49	67.3	71.8	4.5	11.21	5.73	5.48	76.1	1.17	4.16	4.5	14.0	58.5	63	3,686	15,025	1,684	861	823	1,143	18
8Eiii	100	BG	88V-49	67.3	71.8	4.5	11.21	5.73	5.48	76.1	1.17	4.16	4.5	8.5	1.5	38	57	234	26	13	13	18	0
8Fi	100	BG	88V-49	80.1	88.4	8.3	9.87	4.66	5.21	59.4	0.46	4.18	8.3	5.0	2.0	42	83	340	34	16	18	20	0
8Fii	100	BG	88V-49	80.1	88.4	8.3	9.87	4.66	5.21	59.4	0.46	4.18	8.3	14.0	58.5	116	6,798	27,846	2,748	1,298	1,451	1,654	13
8Fiii	100	BG	88V-49	80.1	88.4	8.3	9.87	4.66	5.21	59.4	0.46	4.18	8.3	8.5	1.5	71	106	434	43	20	23	26	0
8Gi	100	BG	79V302	41.9	55.2	13.3	9.62	4.39	5.23	61.7	1.39	4.47	13.3	11.3	14.0	150	2,104	9,217	887	405	482	569	13
8Gii	100	BG	79V302	41.9	55.2	13.3	9.62	4.39	5.23	61.7	1.39	4.47	13.3	15.5	46.0	206	9,483	41,541	3,996	1,824	2,173	2,563	58
8Hi	100	BG	79V302	61.1	69.8	8.7	9.79	4.74	5.04	56.0	1.66	4.30	8.7	11.3	14.0	98	1,376	5,800	567	275	292	325	10
8Hii	100	BG	79V302	61.1	69.8	8.7	9.79	4.74	5.04	56.0	1.66	4.30	8.7	15.5	46.0	135	6,203	26,140	2,556	1,239	1,317	1,464	43
8I	95	BG	87V-04	32.5	47.4	14.9	11.27	4.93	6.35	63.3	1.04	4.31	14.9	17.5	29.5	261	7,308	30,865	3,482	1,522	1,960	1,954	32
8J	100	BG	87V-04	49.9	54.0	4.1	12.90	5.76	7.14	67.6	1.26	4.02	4.1	17.5	29.5	72	2,117	8,339	1,076	480	595	564	11
8Ki	100	BG	79V045R	31.7	48.5	16.8	11.79	4.16	7.62	62.8	0.39	4.36	16.8	7.5	1.3	126	164	700	82	29	53	44	0
8Kii	100	BG	79V045R	31.7	48.5	16.8	11.79	4.16	7.62	62.8	0.39	4.36	16.8	15.0	28.0	252	7,056	30,149	3,552	1,254	2,297	1,893	12
8M	100	BG	87V-03	27.9	32.1	4.2	16.06	7.46	8.60	101.3	0.44	4.43	2.2	9.8	46.0	22	992	4,306	691	321	370	436	2
8N	100	BG	87V-03	32.1	39.1	7.0	6.84	2.23	4.61	40.8	0.80	3.50	7.0	9.8	46.0	69	3,156	10,824	740	241	499	442	9
8O	100	BG	87V-03	40.5	50.1	9.6	12.38	5.31	7.07	80.2	0.53	4.04	9.6	9.8	46.0	94	4,328	17,134	2,121	910	1,211	1,374	9
8Pi	100	BG	79V303	35.4	37.8	2.4	8.77	3.06	5.71	54.3	0.67	3.64	2.4	6.3	13.0	15	197	701	61	21	40	38	0
8Pii	100	BG	79V303	35.4	37.8	2.4	8.77	3.06	5.71	54.3	0.67	3.64	2.4	9.5	46.0	23	1,049	3,741	328	114	214	203	3
8Qi	100	BG	79V303	44.3	48.4	4.1	16.16	7.00	9.16	87.6	0.78	4.11	4.1	6.3	13.0	26	336	1,352	219	95	124	118	1
8Qii	100	BG	79V303	44.3	48.4	4.1	16.16	7.00	9.16	87.6	0.78	4.11	4.1	9.5	46.0	39	1,792	7,217	1,166	505	661	632	6
8R	60	BG	79V018R	32.1	34.1	2.0	12.37	6.24	6.13	88.9	1.17	4.08	2.0	29.3	30.0	59	1,055	4,218	522	263	259	375	5
8S	0	A	79V317	29.9	34.4	4.5	8.92	3.07	5.86	50.4	1.14	3.12	4.5	30.0	30.0	135	0	0	0	0	0	0	0
8T	0	BG	79V053R	101.5	103.8	2.3	15.55	6.40	9.16	108.5	1.14	4.06	2.3	16.0	60.5	37	0	0	0	0	0	0	0
8U	100	BG	79V053R	56.6	62.1	1.2	27.37	15.25	12.12	226.8	0.97	4.05	5.5	20.0	60.5	110	6,655	26,414	7,229	4,028	3,201	5,991	26
8V	100	BG	79V045R	68.3	74.4	6.1	7.37	4.91	2.46	40.3	0.59	3.49	6.1	7.5	1.3	46	59	203	15	10	5	8	0
8Vii	100	BG	79V045R	68.3	74.4	6.1	7.37	4.91	2.46	40.3	0.59	3.49	6.1	15.0	28.0	92	2,562	8,763	646	430	216	353	5
8W	0	BG	79V045R	82.0	85.0	3.0	8.75	3.49	5.26	44.5	0.85	3.46	3.0	7.5	1.3	23	0	0	0	0	0	0	0
8Wii	0	BG	79V045R	82.0	85.0	3.0	8.75	3.49	5.26	44.5	0.85	3.46	3.0	15.0	28.0	45	0	0	0	0	0	0	0
8X	100	BG	79V303	31.0	34.1	3.1	14.01	5.67	8.34	71.4	0.16	3.55	3.1	6.3	13.0	20	254	883	124	50	74	63	0
8Xii	100	BG	79V303	31.0	34.1	3.1	14.01	5.67	8.34	71.4	0.16	3.55	3.1	9.5	46.0	29	1,355	4,713	660	267	393	337	1
8Y	100	BG	87V-04	58.5	61.4	2.9	6.78	4.80	1.98	51.6	1.11	4.00	2.9	17.5	29.5	51	1,497	5,869	398	282	116	303	7

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.05%	5.70%	6.35%	77.00	0.99	83,159	341,774	41,167	19,466	21,701	26,316	339

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 08+00E

APRIL 30, 1990

POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
	ORE BLOCK AND DRILLHOLE DATA						COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
8A	0	BG	88V-02	71.5	77.0	5.5	6.72	3.29	3.43	45.5	0.95	4.00	3.5	13.5	55.0	47	2,599	10,187	685	335	349	464	10
8B	0	BG	79V320	70.1	73.7	3.6	6.56	3.13	3.43	46.7	0.71	4.36	3.6	15.5	30.5	56	1,702	7,272	477	228	249	340	5
8C	25	BG	79V053R	92.3	98.6	6.3	13.23	4.95	8.28	84.0	1.02	4.30	6.3	16.0	60.5	101	6,098	25,699	3,400	1,272	2,128	2,159	26
8Di	100	BG	88V-49	53.4	65.0	11.6	10.99	5.60	5.40	67.6	1.20	4.41	11.6	5.0	2.0	58	116	501	55	28	27	34	1
8Dii	100	BG	88V-49	53.4	65.0	11.6	10.99	5.60	5.40	67.6	1.20	4.41	11.6	14.0	58.5	162	9,500	41,059	4,516	2,299	2,217	2,776	49
8Diii	100	BG	88V-49	53.4	65.0	11.6	10.99	5.60	5.40	67.6	1.20	4.41	11.6	8.5	1.5	99	148	639	70	36	35	43	1
8Ei	100	BG	88V-49	67.3	71.8	4.5	11.21	5.73	5.48	76.1	1.17	4.16	4.5	5.0	2.0	23	45	183	21	11	10	14	0
8Eii	100	BG	88V-49	67.3	71.8	4.5	11.21	5.73	5.48	76.1	1.17	4.16	4.5	14.0	58.5	63	3,686	15,025	1,684	861	823	1,143	18
8Eiii	100	BG	88V-49	67.3	71.8	4.5	11.21	5.73	5.48	76.1	1.17	4.16	4.5	8.5	1.5	38	57	234	26	13	13	18	0
8Fi	100	BG	88V-49	80.1	88.4	8.3	9.87	4.66	5.21	59.4	0.46	4.18	8.3	5.0	2.0	42	83	340	34	16	18	20	0
8Fii	100	BG	88V-49	80.1	88.4	8.3	9.87	4.66	5.21	59.4	0.46	4.18	8.3	14.0	58.5	116	6,798	27,846	2,748	1,298	1,451	1,654	13
8Fiii	100	BG	88V-49	80.1	88.4	8.3	9.87	4.66	5.21	59.4	0.46	4.18	8.3	8.5	1.5	71	106	434	43	20	23	26	0
8Gi	100	BG	79V302	41.9	55.2	13.3	9.62	4.39	5.23	61.7	1.39	4.47	13.3	11.3	14.0	150	2,104	9,217	887	405	482	569	13
8Gii	100	BG	79V302	41.9	55.2	13.3	9.62	4.39	5.23	61.7	1.39	4.47	13.3	15.5	46.0	206	9,483	41,541	3,996	1,824	2,173	2,563	58
8Hi	100	BG	79V302	61.1	69.8	8.7	9.79	4.74	5.04	56.0	1.66	4.30	8.7	11.3	14.0	98	1,376	5,800	567	275	292	325	10
8Hii	100	BG	79V302	61.1	69.8	8.7	9.79	4.74	5.04	56.0	1.66	4.30	8.7	15.5	46.0	135	6,203	26,140	2,556	1,239	1,317	1,464	43
8I	95	BG	87V-04	32.5	47.4	14.9	11.27	4.93	6.35	63.3	1.04	4.31	14.9	17.5	29.5	261	7,692	32,490	3,665	1,602	2,063	2,057	34
8J	100	BG	87V-04	49.9	54.0	4.1	12.90	5.76	7.14	67.6	1.26	4.02	4.1	17.5	29.5	72	2,117	8,339	1,076	480	595	564	11
8Ki	100	BG	79V045R	31.7	48.5	16.8	11.79	4.16	7.62	62.8	0.39	4.36	16.8	7.5	1.3	126	164	700	82	29	53	44	0
8Kii	100	BG	79V045R	31.7	48.5	16.8	11.79	4.16	7.62	62.8	0.39	4.36	16.8	15.0	28.0	252	7,056	30,149	3,552	1,254	2,297	1,893	12
8M	100	BG	87V-03	27.9	32.1	4.2	16.06	7.46	8.60	101.3	0.44	4.43	2.2	9.8	46.0	22	992	4,306	691	321	370	436	2
8N	100	BG	87V-03	32.1	39.1	7.0	6.84	2.23	4.61	40.8	0.80	3.50	7.0	9.8	46.0	69	3,156	10,824	740	241	499	442	9
8O	100	BG	87V-03	40.5	50.1	9.6	12.38	5.31	7.07	80.2	0.53	4.04	9.6	9.8	46.0	94	4,328	17,134	2,121	910	1,211	1,374	9
8Pi	100	BG	79V303	35.4	37.8	2.4	8.77	3.06	5.71	54.3	0.67	3.64	2.4	6.3	13.0	15	197	701	61	21	40	38	0
8Pii	100	BG	79V303	35.4	37.8	2.4	8.77	3.06	5.71	54.3	0.67	3.64	2.4	9.5	46.0	23	1,049	3,741	328	114	214	203	3
8Qi	100	BG	79V303	44.3	48.4	4.1	16.16	7.00	9.16	87.6	0.78	4.11	4.1	6.3	13.0	26	336	1,352	219	95	124	118	1
8Qii	100	BG	79V303	44.3	48.4	4.1	16.16	7.00	9.16	87.6	0.78	4.11	4.1	9.5	46.0	39	1,792	7,217	1,166	505	661	632	6
8R	60	BG	79V018R	32.1	34.1	2.0	12.37	6.24	6.13	88.9	1.17	4.08	2.0	29.3	30.0	59	1,758	7,029	870	439	431	625	8
8S	0	A	79V317	29.9	34.4	4.5	8.92	3.07	5.86	50.4	1.14	3.12	4.5	30.0	30.0	135	4,050	12,383	1,106	380	726	624	14
8T	0	BG	79V053R	101.5	103.8	2.3	15.55	6.40	9.16	108.5	1.14	4.06	2.3	16.0	60.5	37	2,226	8,858	1,378	567	811	961	10
8U	100	BG	79V053R	56.6	62.1	1.2	27.37	15.25	12.12	226.8	0.97	4.05	5.5	20.0	60.5	110	6,655	26,414	7,229	4,028	3,201	5,991	26
8V	100	BG	79V045R	68.3	74.4	6.1	7.37	4.91	2.46	40.3	0.59	3.49	6.1	7.5	1.3	46	59	203	15	10	5	8	0
8Vii	100	BG	79V045R	68.3	74.4	6.1	7.37	4.91	2.46	40.3	0.59	3.49	6.1	15.0	28.0	92	2,562	8,763	646	430	216	353	5
8W	0	BG	79V045R	82.0	85.0	3.0	8.75	3.49	5.26	44.5	0.85	3.46	3.0	7.5	1.3	23	29	99	9	3	5	4	0
8Wii	0	BG	79V045R	82.0	85.0	3.0	8.75	3.49	5.26	44.5	0.85	3.46	3.0	15.0	28.0	45	1,260	4,272	374	149	225	190	4
8X	100	BG	79V303	31.0	34.1	3.1	14.01	5.67	8.34	71.4	0.16	3.55	3.1	6.3	13.0	20	254	883	124	50	74	63	0
8Xii	100	BG	79V303	31.0	34.1	3.1	14.01	5.67	8.34	71.4	0.16	3.55	3.1	9.5	46.0	29	1,355	4,713	660	267	393	337	1
8Y	100	BG	87V-04	58.5	61.4	2.9	6.78	4.80	1.98	51.6	1.11	4.00	2.9	17.5	29.5	51	1,497	5,869	398	282	116	303	7

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.82%	5.47%	6.35%	75.56	1.00	100,686	408,556	48,276	22,338	25,938	30,870	407

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 09+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
9A	100	BG	87V-13	41.9	47.7	5.8	12.15	5.66	6.49	61.0	0.97	4.32	5.8	31.5	31.0	183	5,664	23,978	2,913	1,357	1,556	1,463	23
9B	100	BG	87V-13	60.3	62.6	2.3	8.63	4.41	4.23	52.3	1.77	4.16	2.3	31.5	31.0	72	2,246	9,156	791	404	387	479	16
9C	25	BG	87V-13	79.9	95.7	15.8	10.71	4.95	5.76	65.9	1.24	4.17	15.8	31.5	31.0	498	3,857	15,763	1,688	780	908	1,039	20

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.03%	5.20%	5.83%	60.95	1.21	11,767	48,897	5,393	2,541	2,851	2,980	59

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 09+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)						SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
9A	100	BG	87V-13	41.9	47.7	5.8	12.15	5.66	6.49	61.0	0.97	4.32	5.8	31.5	31.0	183	5,664	23,978	2,913	1,357	1,556	1,463	23
9B	100	BG	87V-13	60.3	62.6	2.3	8.63	4.41	4.23	52.3	1.77	4.16	2.3	31.5	31.0	72	2,246	9,156	791	404	387	479	16
9C	25	BG	87V-13	79.9	95.7	15.8	10.71	4.95	5.76	65.9	1.24	4.17	15.8	31.5	31.0	498	15,429	63,051	6,753	3,121	3,632	4,155	78

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.87%	5.08%	5.80%	63.38	1.22	23,338	96,185	10,457	4,882	5,575	6,097	118

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 10+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
10A	15	BG	79V117R	41.8	44.6	2.8	6.08	2.75	3.33	32.0	0.34	3.71	2.8	30.0	30.0	84	378	1,374	84	38	46	44	0
10B	0	BG	79V046R	98.6	102.4	3.8	14.98	5.35	9.63	103.8	1.28	3.86	3.8	26.0	44.0	99	0	0	0	0	0	0	0
10C	80	BG	79V114R	32.9	36.9	4.0	8.93	4.76	4.18	42.8	0.07	3.74	4.0	22.5	61.0	90	4,392	16,098	1,439	766	673	689	1
10D	75	BG	79V114R	73.4	76.0	2.6	9.19	3.84	5.35	47.5	0.30	3.99	2.6	22.5	61.0	59	2,676	10,465	962	402	560	497	3
10E	0	BG	79V114R	92.4	94.9	2.5	13.80	5.71	8.09	89.8	0.58	4.53	2.5	22.5	61.0	56	0	0	0	0	0	0	0
10Fi	100	BG	87V-12	28.8	33.2	4.4	14.16	8.50	5.66	119.6	1.34	4.30	5.4	2.0	15.0	11	162	683	97	58	39	82	1
10Fii	100	BG	87V-12	28.8	33.2	4.4	14.16	8.50	5.66	119.6	1.34	4.30	5.4	18.0	46.0	97	4,471	18,842	2,668	1,602	1,066	2,253	25
10Gi	100	BG	87V-12	54.2	56.5	2.3	13.00	4.02	8.98	57.7	0.36	4.20	2.3	2.0	15.0	5	69	284	37	11	26	16	0
10Gii	100	BG	87V-12	54.2	56.5	2.3	13.00	4.02	8.98	57.7	0.36	4.20	2.3	18.0	46.0	41	1,904	7,839	1,019	315	704	452	3
10Hi	55	BG	87V-12	83.1	91.4	8.3	9.52	4.30	5.22	89.5	0.84	4.01	8.3	2.0	15.0	17	137	538	51	23	28	48	0
10Hii	55	BG	87V-12	83.1	91.4	8.3	9.52	4.30	5.22	89.5	0.84	4.01	8.3	18.0	46.0	149	3,780	14,854	1,414	639	775	1,329	12
10Ii	100	BG	79V050R	34.1	56.4	22.3	12.93	5.69	7.23	65.4	0.55	4.22	22.3	5.5	7.5	123	920	3,804	492	216	275	249	2
10Iii	100	BG	79V050R	34.1	56.4	22.3	12.93	5.69	7.23	65.4	0.55	4.22	22.3	21.0	31.0	468	14,517	60,038	7,757	3,416	4,341	3,926	33
10Iiii	100	BG	79V050R	34.1	56.4	22.3	12.93	5.69	7.23	65.4	0.55	4.22	22.3	8.0	15.0	178	2,676	11,067	1,430	630	800	724	6
10Ji	100	BG	79V050R	67.8	70.7	2.9	12.71	5.53	7.18	50.2	0.15	4.09	2.9	5.5	7.5	16	120	479	61	27	34	24	0
10Jii	100	BG	79V050R	67.8	70.7	2.9	12.71	5.53	7.18	50.2	0.15	4.09	2.9	21.0	31.0	61	1,888	7,567	962	418	543	380	1
10Jiii	100	BG	79V050R	67.8	70.7	2.9	12.71	5.53	7.18	50.2	0.15	4.09	2.9	8.0	15.0	23	348	1,395	177	77	100	70	0
10Ki	100	BG	79V050R	73.9	84.0	10.1	8.77	3.75	5.02	47.8	0.94	4.31	10.1	5.5	7.5	56	417	1,760	154	66	88	84	2
10Kii	100	BG	79V050R	73.9	84.0	10.1	8.77	3.75	5.02	47.8	0.94	4.31	10.1	21.0	31.0	212	6,575	27,772	2,436	1,041	1,394	1,327	26
10Kiii	100	BG	79V050R	73.9	84.0	10.1	8.77	3.75	5.02	47.8	0.94	4.31	10.1	8.0	15.0	81	1,212	5,119	449	192	257	245	5
10Li	100	BG	79V110R	46.0	50.8	4.8	16.58	7.06	9.52	59.0	0.02	3.85	4.8	29.5	44.0	142	6,230	23,507	3,898	1,660	2,238	1,387	0
10Lii	100	BG	79V110R	46.0	50.8	4.8	16.58	7.06	9.52	59.0	0.02	3.85	4.8	13.0	15.0	62	936	3,532	586	249	336	208	0
10M	0	A	79V060R	46.8	49.8	3.0	9.28	3.31	5.98	48.5	0.98	2.98	3.0	29.0	45.0	87	0	0	0	0	0	0	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.06%	5.46%	6.60%	64.68	0.56	53,809	217,016	26,170	11,847	14,324	14,036	122

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 10+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
10A	15	BG	79V117R	41.8	44.6	2.8	6.08	2.75	3.33	32.0	0.34	3.71	2.8	30.0	30.0	84	2,520	9,162	557	252	305	293	3
10B	0	BG	79V046R	98.6	102.4	3.8	14.98	5.35	9.63	103.8	1.28	3.86	3.8	26.0	44.0	99	4,347	16,445	2,463	880	1,584	1,707	21
10C	80	BG	79V114R	32.9	36.9	4.0	8.93	4.76	4.18	42.8	0.07	3.74	4.0	22.5	61.0	90	5,490	20,122	1,799	958	841	861	1
10D	75	BG	79V114R	73.4	76.0	2.6	9.19	3.84	5.35	47.5	0.30	3.99	2.6	22.5	61.0	59	3,569	13,954	1,282	536	747	663	4
10E	0	BG	79V114R	92.4	94.9	2.5	13.80	5.71	8.09	89.8	0.58	4.53	2.5	22.5	61.0	56	3,431	15,233	2,102	870	1,232	1,368	9
10Fi	100	BG	87V-12	28.8	33.2	4.4	14.16	8.50	5.66	119.6	1.34	4.30	5.4	2.0	15.0	11	162	683	97	58	39	82	1
10Fii	100	BG	87V-12	28.8	33.2	4.4	14.16	8.50	5.66	119.6	1.34	4.30	5.4	18.0	46.0	97	4,471	18,842	2,668	1,602	1,066	2,253	25
10Gi	100	BG	87V-12	54.2	56.5	2.3	13.00	4.02	8.98	57.7	0.36	4.20	2.3	2.0	15.0	5	69	284	37	11	26	16	0
10Gii	100	BG	87V-12	54.2	56.5	2.3	13.00	4.02	8.98	57.7	0.36	4.20	2.3	18.0	46.0	41	1,904	7,839	1,019	315	704	452	3
10Hi	55	BG	87V-12	83.1	91.4	8.3	9.52	4.30	5.22	89.5	0.84	4.01	8.3	2.0	15.0	17	249	979	93	42	51	88	1
10Hii	55	BG	87V-12	83.1	91.4	8.3	9.52	4.30	5.22	89.5	0.84	4.01	8.3	18.0	46.0	149	6,872	27,007	2,571	1,161	1,410	2,417	23
10Ii	100	BG	79V050R	34.1	56.4	22.3	12.93	5.69	7.23	65.4	0.55	4.22	22.3	5.5	7.5	123	920	3,804	492	216	275	249	2
10Iii	100	BG	79V050R	34.1	56.4	22.3	12.93	5.69	7.23	65.4	0.55	4.22	22.3	21.0	31.0	468	14,517	60,038	7,757	3,416	4,341	3,926	33
10Iiii	100	BG	79V050R	34.1	56.4	22.3	12.93	5.69	7.23	65.4	0.55	4.22	22.3	8.0	15.0	178	2,676	11,067	1,430	630	800	724	6
10Ji	100	BG	79V050R	67.8	70.7	2.9	12.71	5.53	7.18	50.2	0.15	4.09	2.9	5.5	7.5	16	120	479	61	27	34	24	0
10Jii	100	BG	79V050R	67.8	70.7	2.9	12.71	5.53	7.18	50.2	0.15	4.09	2.9	21.0	31.0	61	1,888	7,567	962	418	543	380	1
10Jiii	100	BG	79V050R	67.8	70.7	2.9	12.71	5.53	7.18	50.2	0.15	4.09	2.9	8.0	15.0	23	348	1,395	177	77	100	70	0
10Ki	100	BG	79V050R	73.9	84.0	10.1	8.77	3.75	5.02	47.8	0.94	4.31	10.1	5.5	7.5	56	417	1,760	154	66	88	84	2
10Kii	100	BG	79V050R	73.9	84.0	10.1	8.77	3.75	5.02	47.8	0.94	4.31	10.1	21.0	31.0	212	6,575	27,772	2,436	1,041	1,394	1,327	26
10Kiii	100	BG	79V050R	73.9	84.0	10.1	8.77	3.75	5.02	47.8	0.94	4.31	10.1	8.0	15.0	81	1,212	5,119	449	192	257	245	5
10Li	100	BG	79V110R	46.0	50.8	4.8	16.58	7.06	9.52	59.0	0.02	3.85	4.8	29.5	44.0	142	6,230	23,507	3,898	1,660	2,238	1,387	0
10Lii	100	BG	79V110R	46.0	50.8	4.8	16.58	7.06	9.52	59.0	0.02	3.85	4.8	13.0	15.0	62	936	3,532	586	249	336	208	0
10M	0	A	79V060R	46.8	49.8	3.0	9.28	3.31	5.98	48.5	0.98	2.98	3.0	29.0	45.0	87	3,915	11,433	1,062	378	684	555	11

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.86%	5.23%	6.63%	67.29	0.62	72,839	288,021	34,151	15,056	19,095	19,380	178

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 11+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
11A	100	BG	87V-25	29.0	33.3	4.3	6.94	3.79	3.15	38.0	0.27	2.80	4.3	30.0	30.0	129	3,870	10,619	737	402	335	404	3
11B	100	BG	87V-25	33.3	41.8	8.5	12.08	5.92	6.16	77.8	0.77	4.48	8.5	30.0	30.0	255	7,650	33,587	4,057	1,988	2,069	2,613	26
11C	100	BG	87V-25	46.9	75.6	28.7	11.90	5.09	6.81	66.2	1.05	4.53	28.7	30.0	30.0	861	25,830	114,670	13,646	5,837	7,809	7,591	120

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.61%	5.18%	6.43%	66.77	0.94	37,350	158,876	18,440	8,227	10,212	10,608	149

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 12+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
12A	0	BG	88V-48	51.2	54.7	3.5	6.42	3.95	2.46	68.8	0.99	3.41	3.5	16.0	60.0	56	0	0	0	0	0	0	0
12B	0	BG	88V-06	52.4	62.3	9.9	8.01	3.99	4.02	52.1	0.79	4.48	9.9	16.0	60.0	158	0	0	0	0	0	0	0
12C	0	A	88V-06	62.3	74.7	12.4	6.90	3.76	3.15	69.2	0.54	3.10	12.4	16.0	60.0	198	0	0	0	0	0	0	0
12D	0	BG	88V-63	42.1	44.3	2.2	9.11	3.40	5.71	51.3	0.45	3.56	2.2	15.0	60.0	33	0	0	0	0	0	0	0
12E	0	A	88V-63	56.3	59.3	3.0	6.60	2.41	4.19	38.5	0.49	3.05	3.0	15.0	60.0	45	0	0	0	0	0	0	0
12F	0	A	88V-63	67.2	69.2	2.0	7.13	2.51	4.62	39.2	0.36	3.17	2.0	15.0	60.0	30	0	0	0	0	0	0	0
12G	0	BG	79V057R	41.8	45.1	3.3	5.74	2.94	2.80	32.5	0.55	3.55	3.3	22.0	60.0	73	0	0	0	0	0	0	0
12H	100	BG	79V312	39.9	43.0	3.1	7.34	2.60	4.74	41.0	0.72	3.56	3.1	30.0	60.0	93	5,580	19,468	1,429	506	923	798	14
12I	100	BG	79V309	38.1	41.6	3.5	9.17	3.64	5.53	50.1	0.25	4.27	3.5	14.5	60.0	51	3,045	12,742	1,168	464	705	638	3
12Iii	100	BG	79V309	38.1	41.6	3.5	9.17	3.64	5.53	50.1	0.25	4.27	3.5	30.0	42.0	105	4,410	18,454	1,692	672	1,021	925	5
12J	100	A	79V309	43.2	47.6	4.4	15.72	5.72	10.00	53.5	0.22	3.46	4.4	14.5	16.0	64	1,021	3,461	544	198	346	185	1
12Jii	100	A	79V309	43.2	47.6	4.4	15.72	5.72	10.00	53.5	0.22	3.46	4.4	30.0	42.0	132	5,544	18,799	2,955	1,075	1,880	1,006	4
12K	100	BG	79V309	52.7	54.3	1.6	10.65	3.70	6.95	50.1	0.22	3.96	1.6	14.5	16.0	23	371	1,441	153	53	100	72	0
12Kii	100	BG	79V309	52.7	54.3	1.6	10.65	3.70	6.95	50.1	0.22	3.96	1.6	30.0	42.0	48	2,016	7,824	833	289	544	392	2
12L	100	BG	79V309	58.2	64.2	6.0	10.14	4.81	5.32	61.0	1.89	4.31	6.0	14.5	16.0	87	1,392	5,880	596	283	313	359	11
12Lii	100	BG	79V309	58.2	64.2	6.0	10.14	4.81	5.32	61.0	1.89	4.31	6.0	30.0	42.0	180	7,560	31,932	3,235	1,536	1,699	1,948	60
12M	90	BG	79V063R	28.7	41.8	13.1	8.82	4.15	4.67	50.8	0.71	3.93	13.0	30.0	60.0	390	21,060	81,110	7,154	3,366	3,788	4,120	58
12N	55	BG	79V309	33.8	36.9	3.1	5.88	2.97	2.91	31.8	0.58	4.24	3.1	14.5	16.0	45	396	1,644	97	49	48	52	1
12Nii	100	BG	79V309	33.8	36.9	3.1	5.88	2.97	2.91	31.8	0.58	4.24	3.1	30.0	42.0	93	3,906	16,230	954	482	472	516	9

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.50%	4.10%	5.41%	50.28	0.77	56,301	218,984	20,811	8,973	11,837	11,011	168

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 12+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
12A	0	BG	88V-48	51.2	54.7	3.5	6.42	3.95	2.46	68.8	0.99	3.41	3.5	16.0	60.0	56	3,360	11,228	720	444	276	773	11
12B	0	BG	88V-06	52.4	62.3	9.9	8.01	3.99	4.02	52.1	0.79	4.48	9.9	16.0	60.0	158	9,504	41,726	3,342	1,665	1,677	2,174	33
12C	0	A	88V-06	62.3	74.7	12.4	6.90	3.76	3.15	69.2	0.54	3.10	12.4	16.0	60.0	198	11,904	36,164	2,499	1,360	1,139	2,503	20
12D	0	BG	88V-63	42.1	44.3	2.2	9.11	3.40	5.71	51.3	0.45	3.56	2.2	15.0	60.0	33	1,980	6,908	629	235	394	354	3
12E	0	A	88V-63	56.3	59.3	3.0	6.60	2.41	4.19	38.5	0.49	3.05	3.0	15.0	60.0	45	2,700	8,070	533	194	338	311	4
12F	0	A	88V-63	67.2	69.2	2.0	7.13	2.51	4.62	39.2	0.36	3.17	2.0	15.0	60.0	30	1,800	5,592	399	140	258	219	2
12G	0	BG	79V057R	41.8	45.1	3.3	5.74	2.94	2.80	32.5	0.55	3.55	3.3	22.0	60.0	73	4,356	15,155	870	446	424	493	8
12H	100	BG	79V312	39.9	43.0	3.1	7.34	2.60	4.74	41.0	0.72	3.56	3.1	30.0	60.0	93	5,580	19,468	1,429	506	923	798	14
12I	100	BG	79V309	38.1	41.6	3.5	9.17	3.64	5.53	50.1	0.25	4.27	3.5	14.5	60.0	51	3,045	12,742	1,168	464	705	638	3
12Iii	100	BG	79V309	38.1	41.6	3.5	9.17	3.64	5.53	50.1	0.25	4.27	3.5	30.0	42.0	105	4,410	18,454	1,692	672	1,021	925	5
12J	100	A	79V309	43.2	47.6	4.4	15.72	5.72	10.00	53.5	0.22	3.46	4.4	14.5	16.0	64	1,021	3,461	544	198	346	185	1
12Jii	100	A	79V309	43.2	47.6	4.4	15.72	5.72	10.00	53.5	0.22	3.46	4.4	30.0	42.0	132	5,544	18,799	2,955	1,075	1,880	1,006	4
12K	100	BG	79V309	52.7	54.3	1.6	10.65	3.70	6.95	50.1	0.22	3.96	1.6	14.5	16.0	23	371	1,441	153	53	100	72	0
12Kii	100	BG	79V309	52.7	54.3	1.6	10.65	3.70	6.95	50.1	0.22	3.96	1.6	30.0	42.0	48	2,016	7,824	833	289	544	392	2
12L	100	BG	79V309	58.2	64.2	6.0	10.14	4.81	5.32	61.0	1.89	4.31	6.0	14.5	16.0	87	1,392	5,880	596	283	313	359	11
12Lii	100	BG	79V309	58.2	64.2	6.0	10.14	4.81	5.32	61.0	1.89	4.31	6.0	30.0	42.0	180	7,560	31,932	3,235	1,536	1,699	1,948	60
12M	90	BG	79V063R	28.7	41.8	13.1	8.82	4.15	4.67	50.8	0.71	3.93	13.0	30.0	60.0	390	23,400	90,123	7,949	3,740	4,209	4,578	64
12N	55	BG	79V309	33.8	36.9	3.1	5.88	2.97	2.91	31.8	0.58	4.24	3.1	14.5	16.0	45	719	2,988	176	89	87	95	2
12Nii	100	BG	79V309	33.8	36.9	3.1	5.88	2.97	2.91	31.8	0.58	4.24	3.1	30.0	42.0	93	3,906	16,230	954	482	472	516	9

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
8.66%	3.92%	4.74%	51.77	0.72	94,568	354,184	30,676	13,871	16,805	18,338	256

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 13+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
13A	100	BG	88V-05	29.6	46.0	16.4	14.12	7.16	6.96	95.6	1.35	4.15	16.4	17.0	30.0	279	8,364	34,016	4,803	2,436	2,368	3,252	46
13B	100	BG	88V-05	52.5	56.5	4.0	11.16	4.87	6.29	73.4	1.21	3.90	4.0	17.0	30.0	68	2,040	7,797	870	380	490	572	9

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
13.57%	6.73%	6.84%	91.46	1.32	10,404	41,813	5,673	2,815	2,858	3,824	55

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 14+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
14A	0	BG	88V-50	39.8	42.4	2.6	6.04	2.68	3.35	46.0	0.28	3.82	2.6	13.0	60.0	34	0	0	0	0	0	0	0
14B	100	BG	P54V040	16.7	19.5	2.8	19.17	9.76	9.40	-1.0	-1.00	4.21	2.8	15.0	60.0	42	2,520	10,397	1,992	1,015	977	0	0
14C	100	BG	88V-09	22.9	26.5	3.6	12.05	5.96	6.09	90.7	0.89	4.25	3.6	15.0	47.0	54	2,538	10,571	1,274	630	644	959	9
14Cii	100	BG	88V-09	22.9	26.5	3.6	12.05	5.96	6.09	90.7	0.89	4.25	3.6	6.5	9.0	23	211	877	106	52	53	80	1
14D	100	BG	P55V098	30.3	32.3	2.0	7.11	3.56	3.55	-1.0	-1.00	4.21	2.0	15.0	46.0	30	1,380	5,694	405	203	202	0	0
14E	100	A	P55V098	36.8	40.5	3.7	12.16	3.84	8.32	-1.0	-1.00	2.97	3.7	15.0	46.0	56	2,553	7,431	904	285	618	0	0
14F	100	BG	P55V098	44.6	47.5	2.9	7.87	2.65	5.22	-1.0	-1.00	3.98	2.9	15.0	46.0	44	2,001	7,805	614	207	407	0	0
14G	100	BG	88V-08	31.5	34.2	2.7	6.75	2.07	4.68	24.0	0.14	3.10	2.7	9.0	12.0	24	292	886	60	18	41	21	0
14Gii	100	BG	88V-08	31.5	34.2	2.7	6.75	2.07	4.68	24.0	0.14	3.10	2.7	15.0	30.0	41	1,215	3,691	249	76	173	89	1
14Giii	100	BG	88V-08	31.5	34.2	2.7	6.75	2.07	4.68	24.0	0.14	3.10	2.7	7.0	2.0	19	38	115	8	2	5	3	0
14H	100	BG	88V-08	36.3	48.7	12.4	13.02	6.17	6.85	73.2	0.87	4.10	12.4	9.0	12.0	112	1,339	5,381	701	332	369	394	5
14Hii	100	BG	88V-08	36.3	48.7	12.4	13.02	6.17	6.85	73.2	0.87	4.10	12.4	15.0	30.0	186	5,580	22,420	2,919	1,383	1,536	1,641	20
14Hiii	100	BG	88V-08	36.3	48.7	12.4	13.02	6.17	6.85	73.2	0.87	4.10	12.4	7.0	2.0	87	174	698	91	43	48	51	1
14J	100	BG	P54V052	32.0	38.1	6.1	12.37	4.47	7.90	-1.0	-1.00	4.21	6.1	16.0	30.0	98	2,928	12,080	1,494	540	954	0	0
14K	100	BG	P54V052	44.1	47.2	3.1	7.26	2.74	4.52	-1.0	-1.00	4.21	3.1	16.0	30.0	50	1,488	6,139	446	168	277	0	0
14L	100	BG	87V-02	22.9	38.5	15.6	10.76	5.46	5.30	66.8	0.53	4.15	15.6	8.0	18.0	125	2,246	9,136	983	499	484	610	5
14Lii	80	BG	87V-02	22.9	38.5	15.6	10.76	5.46	5.30	66.8	0.53	4.15	15.6	15.0	29.0	234	5,429	22,079	2,376	1,206	1,170	1,475	12
14Liii	80	BG	87V-02	22.9	38.5	15.6	10.76	5.46	5.30	66.8	0.53	4.15	15.6	6.0	10.0	94	749	3,045	328	166	161	203	2
14M	100	BG	P55V097	28.6	39.3	10.7	8.78	4.32	4.46	-1.0	-1.00	4.21	10.7	14.0	46.0	150	6,891	28,430	2,496	1,228	1,268	0	0
14N	0	BG	P55V097	43.8	46.9	3.1	5.82	4.64	1.18	-1.0	-1.00	3.77	3.1	14.0	46.0	43	0	0	0	0	0	0	0
14O	95	BG	87V-01	21.9	37.0	15.1	12.23	5.40	6.83	74.7	0.66	4.25	15.1	16.0	48.0	242	11,017	45,886	5,612	2,478	3,134	3,428	30
14Oii	100	BG	87V-01	21.9	37.0	15.1	12.23	5.40	6.83	74.7	0.66	4.25	15.1	9.5	16.0	143	2,295	9,560	1,169	516	653	714	6
14P	100	BG	P54V056	26.8	31.1	4.3	10.86	4.30	6.56	-1.0	-1.00	4.21	4.3	15.0	60.0	65	3,870	15,967	1,734	687	1,047	0	0
14Q	100	A	88V-08	29.9	31.5	1.6	6.80	2.27	4.53	33.8	0.52	2.78	1.6	9.0	12.0	14	173	471	32	11	21	16	0
14Qii	100	A	88V-08	29.9	31.5	1.6	6.80	2.27	4.53	33.8	0.52	2.78	1.6	15.0	30.0	24	720	1,962	133	45	89	66	1
14Qiii	100	A	88V-08	29.9	31.5	1.6	6.80	2.27	4.53	33.8	0.52	2.78	1.6	7.0	2.0	11	22	61	4	1	3	2	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.32%	5.11%	6.21%	42.26	0.40	57,668	230,780	26,129	11,792	14,337	9,752	92

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 14+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
14A	0	BG	88V-50	39.8	42.4	2.6	6.04	2.68	3.35	46.0	0.28	3.82	2.6	13.0	60.0	34	2,028	7,592	458	203	254	349	2
14B	100	BG	P54V040	16.7	19.5	2.8	19.17	9.76	9.40	-1.0	-1.00	4.21	2.8	15.0	60.0	42	2,520	10,397	1,992	1,015	977	0	0
14C	100	BG	88V-09	22.9	26.5	3.6	12.05	5.96	6.09	90.7	0.89	4.25	3.6	15.0	47.0	54	2,538	10,571	1,274	630	644	959	9
14Cii	100	BG	88V-09	22.9	26.5	3.6	12.05	5.96	6.09	90.7	0.89	4.25	3.6	6.5	9.0	23	211	877	106	52	53	80	1
14D	100	BG	P55V098	30.3	32.3	2.0	7.11	3.56	3.55	-1.0	-1.00	4.21	2.0	15.0	46.0	30	1,380	5,694	405	203	202	0	0
14E	100	A	P55V098	36.8	40.5	3.7	12.16	3.84	8.32	-1.0	-1.00	2.97	3.7	15.0	46.0	56	2,553	7,431	904	285	618	0	0
14F	100	BG	P55V098	44.6	47.5	2.9	7.87	2.65	5.22	-1.0	-1.00	3.98	2.9	15.0	46.0	44	2,001	7,805	614	207	407	0	0
14G	100	BG	88V-08	31.5	34.2	2.7	6.75	2.07	4.68	24.0	0.14	3.10	2.7	9.0	12.0	24	292	886	60	18	41	21	0
14Gii	100	BG	88V-08	31.5	34.2	2.7	6.75	2.07	4.68	24.0	0.14	3.10	2.7	15.0	30.0	41	1,215	3,691	249	76	173	89	1
14Giii	100	BG	88V-08	31.5	34.2	2.7	6.75	2.07	4.68	24.0	0.14	3.10	2.7	7.0	2.0	19	38	115	8	2	5	3	0
14H	100	BG	88V-08	36.3	48.7	12.4	13.02	6.17	6.85	73.2	0.87	4.10	12.4	9.0	12.0	112	1,339	5,381	701	332	369	394	5
14Hii	100	BG	88V-08	36.3	48.7	12.4	13.02	6.17	6.85	73.2	0.87	4.10	12.4	15.0	30.0	186	5,580	22,420	2,919	1,383	1,536	1,641	20
14Hiii	100	BG	88V-08	36.3	48.7	12.4	13.02	6.17	6.85	73.2	0.87	4.10	12.4	7.0	2.0	87	174	698	91	43	48	51	1
14J	100	BG	P54V052	32.0	38.1	6.1	12.37	4.47	7.90	-1.0	-1.00	4.21	6.1	16.0	30.0	98	2,928	12,080	1,494	540	954	0	0
14K	100	BG	P54V052	44.1	47.2	3.1	7.26	2.74	4.52	-1.0	-1.00	4.21	3.1	16.0	30.0	50	1,488	6,139	446	168	277	0	0
14L	100	BG	87V-02	22.9	38.5	15.6	10.76	5.46	5.30	66.8	0.53	4.15	15.6	8.0	18.0	125	2,246	9,136	983	499	484	610	5
14Lii	80	BG	87V-02	22.9	38.5	15.6	10.76	5.46	5.30	66.8	0.53	4.15	15.6	15.0	29.0	234	6,786	27,599	2,970	1,507	1,463	1,844	15
14Liii	80	BG	87V-02	22.9	38.5	15.6	10.76	5.46	5.30	66.8	0.53	4.15	15.6	6.0	10.0	94	936	3,807	410	208	202	254	2
14M	100	BG	P55V097	28.6	39.3	10.7	8.78	4.32	4.46	-1.0	-1.00	4.21	10.7	14.0	46.0	150	6,891	28,430	2,496	1,228	1,268	0	0
14N	0	BG	P55V097	43.8	46.9	3.1	5.82	4.64	1.18	-1.0	-1.00	3.77	3.1	14.0	46.0	43	1,996	7,376	429	342	87	0	0
14O	95	BG	87V-01	21.9	37.0	15.1	12.23	5.40	6.83	74.7	0.66	4.25	15.1	16.0	48.0	242	11,597	48,301	5,907	2,608	3,299	3,608	32
14Oii	100	BG	87V-01	21.9	37.0	15.1	12.23	5.40	6.83	74.7	0.66	4.25	15.1	9.5	16.0	143	2,295	9,560	1,169	516	653	714	6
14P	100	BG	P54V056	26.8	31.1	4.3	10.86	4.30	6.56	-1.0	-1.00	4.21	4.3	15.0	60.0	65	3,870	15,967	1,734	687	1,047	0	0
14Q	100	A	88V-08	29.9	31.5	1.6	6.80	2.27	4.53	33.8	0.52	2.78	1.6	9.0	12.0	14	173	471	32	11	21	16	0
14Qii	100	A	88V-08	29.9	31.5	1.6	6.80	2.27	4.53	33.8	0.52	2.78	1.6	15.0	30.0	24	720	1,962	133	45	89	66	1
14Qiii	100	A	88V-08	29.9	31.5	1.6	6.80	2.27	4.53	33.8	0.52	2.78	1.6	7.0	2.0	11	22	61	4	1	3	2	0

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.00%	5.03%	5.96%	42.06	0.39	63,817	254,444	27,987	12,811	15,176	10,701	99

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 15+00E APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)						SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
15A	100	BG	88V-10	25.2	28.1	2.9	6.75	3.61	3.14	50.8	0.71	3.50	2.9	32.0	30.0	93	2,784	9,549	645	345	300	485	7
15B	100	BG	88V-10	40.2	44.6	4.4	7.81	2.71	5.11	47.0	0.22	3.44	4.4	32.0	30.0	141	4,224	14,240	1,114	386	728	669	3
15C	100	A	88V-16	21.9	24.1	2.2	7.88	4.63	3.25	60.0	0.51	2.50	2.2	30.0	30.0	66	1,980	4,851	382	225	158	291	2
15D	100	BG	88V-16	27.4	30.8	3.4	11.93	5.21	6.72	90.8	1.10	4.41	3.4	30.0	30.0	102	3,060	13,225	1,578	689	889	1,201	15
15E	100	BG	88V-13	23.5	33.7	10.2	11.81	5.55	6.26	55.3	0.53	4.13	10.2	22.5	30.0	229	6,885	27,866	3,291	1,547	1,744	1,541	15

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.05%	4.58%	5.48%	60.05	0.60	18,933	69,731	7,009	3,191	3,818	4,187	42

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 16+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
16A	10	BG	88V-11	21.7	23.8	2.1	6.03	2.35	3.67	33.5	0.45	3.37	2.1	22.0	60.0	46	277	915	55	22	34	31	0
16C	100	BG	88V-12	23.5	29.2	5.7	9.74	4.23	5.52	57.6	0.40	3.54	5.7	12.0	15.0	68	1,026	3,559	347	151	196	205	1
16Cii	100	BG	88V-12	23.5	29.2	5.7	9.74	4.23	5.52	57.6	0.40	3.54	5.7	31.0	31.0	177	5,478	19,003	1,853	804	1,049	1,095	8
16Ciii	100	BG	88V-12	23.5	29.2	5.7	9.74	4.23	5.52	57.6	0.40	3.54	5.7	20.0	14.0	114	1,596	5,537	540	234	306	319	2
16D	100	BG	88V-12	36.8	39.6	2.8	8.44	3.74	4.70	51.6	0.56	3.91	2.8	12.0	15.0	34	504	1,931	163	72	91	100	1
16Dii	100	BG	88V-12	36.8	39.6	2.8	8.44	3.74	4.70	51.6	0.56	3.91	2.8	31.0	31.0	87	2,691	10,311	870	386	485	532	6
16Diii	100	BG	88V-12	36.8	39.6	2.8	8.44	3.74	4.70	51.6	0.56	3.91	2.8	20.0	14.0	56	784	3,004	254	112	141	155	2
16E	100	BG	P54V044	17.9	21.0	3.1	6.84	2.18	4.65	-1.0	-1.00	4.00	3.1	13.0	30.0	40	1,209	4,739	324	103	220	0	0
16F	0	BG	P54V044	40.8	43.2	2.4	7.95	2.02	5.93	-1.0	-1.00	3.44	2.4	13.0	30.0	31	0	0	0	0	0	0	0
16G	90	BG	88V-17	13.8	15.8	2.0	7.25	6.91	0.34	100.0	0.41	3.30	2.0	12.5	1.0	25	23	73	5	5	0	7	0
16Gii	90	BG	88V-17	13.8	15.8	2.0	7.25	6.91	0.34	100.0	0.41	3.30	2.0	21.5	30.5	43	1,180	3,817	277	264	13	382	2
16Giii	90	BG	88V-17	13.8	15.8	2.0	7.25	6.91	0.34	100.0	0.41	3.30	2.0	8.0	14.0	16	202	652	47	45	2	65	0
16H	100	BG	88V-17	17.4	23.2	5.8	8.66	3.88	4.78	58.2	1.07	3.80	5.8	12.5	1.0	73	73	270	23	10	13	16	0
16Hii	100	BG	88V-17	17.4	23.2	5.8	8.66	3.88	4.78	58.2	1.07	3.80	5.8	21.5	30.5	125	3,803	14,164	1,227	550	677	824	15
16Hiii	100	BG	88V-17	17.4	23.2	5.8	8.66	3.88	4.78	58.2	1.07	3.80	5.8	8.0	14.0	46	650	2,419	209	94	116	141	3
16I	0	BG	88V-17	33.5	36.0	2.5	9.83	9.04	0.79	79.4	2.77	2.70	2.5	12.5	1.0	31	0	0	0	0	0	0	0
16Iii	0	BG	88V-17	33.5	36.0	2.5	9.83	9.04	0.79	79.4	2.77	2.70	2.5	21.5	30.5	54	0	0	0	0	0	0	0
16Iiii	0	BG	88V-17	33.5	36.0	2.5	9.83	9.04	0.79	79.4	2.77	2.70	2.5	8.0	14.0	20	0	0	0	0	0	0	0
16J	0	BG	88V-14	15.9	19.2	3.3	8.67	3.21	5.46	59.2	0.59	3.80	3.3	15.0	14.0	50	0	0	0	0	0	0	0
16Jii	60	BG	88V-14	15.9	19.2	3.3	8.67	3.21	5.46	59.2	0.59	3.80	3.3	32.0	46.5	106	2,946	10,972	951	352	599	650	6

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
8.78%	3.94%	4.84%	55.56	0.57	22,441	81,367	7,145	3,204	3,942	4,520	47

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 16+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
16A	10	BG	88V-11	21.7	23.8	2.1	6.03	2.35	3.67	33.5	0.45	3.37	2.1	22.0	60.0	46	2,772	9,155	551	215	336	307	4
16C	100	BG	88V-12	23.5	29.2	5.7	9.74	4.23	5.52	57.6	0.40	3.54	5.7	12.0	15.0	68	1,026	3,559	347	151	196	205	1
16Cii	100	BG	88V-12	23.5	29.2	5.7	9.74	4.23	5.52	57.6	0.40	3.54	5.7	31.0	31.0	177	5,478	19,003	1,853	804	1,049	1,095	8
16Ciii	100	BG	88V-12	23.5	29.2	5.7	9.74	4.23	5.52	57.6	0.40	3.54	5.7	20.0	14.0	114	1,596	5,537	540	234	306	319	2
16D	100	BG	88V-12	36.8	39.6	2.8	8.44	3.74	4.70	51.6	0.56	3.91	2.8	12.0	15.0	34	504	1,931	163	72	91	100	1
16Dii	100	BG	88V-12	36.8	39.6	2.8	8.44	3.74	4.70	51.6	0.56	3.91	2.8	31.0	31.0	87	2,691	10,311	870	386	485	532	6
16Diii	100	BG	88V-12	36.8	39.6	2.8	8.44	3.74	4.70	51.6	0.56	3.91	2.8	20.0	14.0	56	784	3,004	254	112	141	155	2
16E	100	BG	P54V044	17.9	21.0	3.1	6.84	2.18	4.65	-1.0	-1.00	4.00	3.1	13.0	30.0	40	1,209	4,739	324	103	220	0	0
16F	0	BG	P54V044	40.8	43.2	2.4	7.95	2.02	5.93	-1.0	-1.00	3.44	2.4	13.0	30.0	31	936	3,155	251	64	187	0	0
16G	90	BG	88V-17	13.8	15.8	2.0	7.25	6.91	0.34	100.0	0.41	3.30	2.0	12.5	1.0	25	25	81	6	6	0	8	0
16Gii	90	BG	88V-17	13.8	15.8	2.0	7.25	6.91	0.34	100.0	0.41	3.30	2.0	21.5	30.5	43	1,312	4,241	308	293	14	424	2
16Giii	90	BG	88V-17	13.8	15.8	2.0	7.25	6.91	0.34	100.0	0.41	3.30	2.0	8.0	14.0	16	224	724	53	50	2	72	0
16H	100	BG	88V-17	17.4	23.2	5.8	8.66	3.88	4.78	58.2	1.07	3.80	5.8	12.5	1.0	73	73	270	23	10	13	16	0
16Hii	100	BG	88V-17	17.4	23.2	5.8	8.66	3.88	4.78	58.2	1.07	3.80	5.8	21.5	30.5	125	3,803	14,164	1,227	550	677	824	15
16Hiii	100	BG	88V-17	17.4	23.2	5.8	8.66	3.88	4.78	58.2	1.07	3.80	5.8	8.0	14.0	46	650	2,419	209	94	116	141	3
16I	0	BG	88V-17	33.5	36.0	2.5	9.83	9.04	0.79	79.4	2.77	2.70	2.5	12.5	1.0	31	31	83	8	7	1	7	0
16Iii	0	BG	88V-17	33.5	36.0	2.5	9.83	9.04	0.79	79.4	2.77	2.70	2.5	21.5	30.5	54	1,639	4,338	426	392	34	344	12
16Iiii	0	BG	88V-17	33.5	36.0	2.5	9.83	9.04	0.79	79.4	2.77	2.70	2.5	8.0	14.0	20	280	741	73	67	6	59	2
16J	0	BG	88V-14	15.9	19.2	3.3	8.67	3.21	5.46	59.2	0.59	3.80	3.3	15.0	14.0	50	693	2,581	224	83	141	153	2
16Jii	60	BG	88V-14	15.9	19.2	3.3	8.67	3.21	5.46	59.2	0.59	3.80	3.3	32.0	46.5	106	4,910	18,286	1,585	587	998	1,083	11

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
8.58%	3.95%	4.63%	53.94	0.65	30,635	108,323	9,294	4,280	5,014	5,843	71

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 17+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
17A	100	BG	87V-15	9.4	23.2	13.8	14.35	6.72	7.63	86.1	1.13	4.21	13.8	30.0	30.0	414	12,420	51,242	7,353	3,443	3,910	4,412	58
17B	100	BG	88V-19	14.3	18.4	4.1	7.67	3.39	4.28	33.1	0.58	4.01	4.1	30.0	30.0	123	3,690	14,501	1,112	492	621	480	8

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.88%	5.99%	6.89%	74.41	1.01	16,110	65,743	8,466	3,935	4,530	4,892	66

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 18+00E APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
18A	5	BG	88V-53	18.8	21.6	2.8	11.94	4.84	7.10	74.8	1.18	4.16	2.8	15.0	60.0	42	126	514	61	25	36	38	1
18B	0	BG	88V-53	34.7	36.3	1.6	5.99	2.68	3.31	43.1	0.23	3.90	1.6	15.0	30.0	24	0	0	0	0	0	0	0
18C	50	BG	79V301	30.4	32.4	2.0	6.80	2.91	3.89	42.0	0.50	4.26	2.0	11.5	60.0	23	690	2,881	196	84	112	121	1
18D	100	BG	P53V012	20.3	25.4	4.3	9.74	3.05	6.68	-1.0	-1.00	4.21	4.1	5.5	60.0	23	1,353	5,582	543	170	373	0	0
18E	100	BG	P53V012	27.9	32.0	4.1	9.62	2.98	6.64	-1.0	-1.00	4.04	3.4	7.5	60.0	26	1,530	6,058	583	181	402	0	0
18F	100	BG	P53V011	24.0	26.6	2.6	8.90	3.16	5.75	156.2	-1.00	4.21	2.3	14.0	30.0	32	966	3,986	355	126	229	623	0
18G	100	BG	P53V011	30.7	35.0	4.3	10.69	3.26	7.43	60.5	-1.00	4.21	2.8	14.5	30.0	41	1,218	5,025	537	164	373	304	0
18H	100	BG	88V-28	7.7	19.8	12.1	7.96	3.25	4.71	32.9	0.19	3.87	11.2	9.0	14.0	101	1,411	5,352	426	174	252	176	1
18Hii	100	BG	88V-28	7.7	19.8	12.1	7.96	3.25	4.71	32.9	0.19	3.87	11.2	16.0	28.0	179	5,018	19,030	1,515	618	896	626	4
18Hiii	100	BG	88V-28	7.7	19.8	12.1	7.96	3.25	4.71	32.9	0.19	3.87	11.2	6.5	4.0	73	291	1,104	88	36	52	36	0
18I	100	BG	88V-28	27.1	30.1	3.0	13.09	5.94	7.15	85.5	0.97	4.31	3.0	6.5	30.0	20	585	2,471	323	147	177	211	2
18J	100	BG	79V072R	11.9	16.7	4.8	9.64	4.03	5.60	58.4	0.77	4.00	4.8	15.0	29.0	72	2,088	8,185	788	330	458	478	6
18K	80	BG	88V-18	12.3	14.9	2.6	10.21	4.11	6.10	59.0	0.72	3.93	2.6	18.0	60.0	47	2,246	8,652	883	356	528	510	6
18L	100	BG	88V-18	6.7	12.3	5.6	10.82	5.56	5.26	71.7	1.49	3.86	5.6	18.0	60.0	101	6,048	22,878	2,475	1,272	1,203	1,640	34
18M	100	BG	P55V109	7.0	12.1	5.1	9.75	2.58	7.17	-1.0	-1.00	3.85	5.1	15.5	43.0	79	3,399	12,825	1,250	331	920	0	0
18N	100	BG	P55V109	15.2	21.3	6.1	15.59	5.76	9.83	-1.0	-1.00	4.21	6.1	15.5	43.0	95	4,066	16,774	2,615	966	1,649	0	0
18O	30	BG	88V-52	16.7	22.0	5.3	7.07	3.71	3.35	43.1	1.15	3.49	5.3	10.0	37.0	53	588	2,012	142	75	67	87	2
18Oii	0	BG	88V-52	16.7	22.0	5.3	7.07	3.71	3.35	43.1	1.15	3.49	5.3	6.0	17.0	32	0	0	0	0	0	0	0
18P	100	BG	88V-53	9.8	11.7	1.9	6.93	3.76	3.17	56.7	0.97	3.69	2.0	15.0	60.0	30	1,800	6,509	451	245	206	369	6

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.19%	4.08%	6.11%	40.21	0.50	33,424	129,837	13,233	5,298	7,935	5,220	65

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 18+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
18A	5	BG	88V-53	18.8	21.6	2.8	11.94	4.84	7.10	74.8	1.18	4.16	2.8	15.0	60.0	42	2,520	10,274	1,227	497	729	768	12
18B	0	BG	88V-53	34.7	36.3	1.6	5.99	2.68	3.31	43.1	0.23	3.90	1.6	15.0	30.0	24	720	2,752	165	74	91	119	1
18C	50	BG	79V301	30.4	32.4	2.0	6.80	2.91	3.89	42.0	0.50	4.26	2.0	11.5	60.0	23	1,380	5,761	392	168	224	242	3
18D	100	BG	P53V012	20.3	25.4	4.3	9.74	3.05	6.68	-1.0	-1.00	4.21	4.1	5.5	60.0	23	1,353	5,582	543	170	373	0	0
18E	100	BG	P53V012	27.9	32.0	4.1	9.62	2.98	6.64	-1.0	-1.00	4.04	3.4	7.5	60.0	26	1,530	6,058	583	181	402	0	0
18F	100	BG	P53V011	24.0	26.6	2.6	8.90	3.16	5.75	156.2	-1.00	4.21	2.3	14.0	30.0	32	966	3,986	355	126	229	623	0
18G	100	BG	P53V011	30.7	35.0	4.3	10.69	3.26	7.43	60.5	-1.00	4.21	2.8	14.5	30.0	41	1,218	5,025	537	164	373	304	0
18H	100	BG	88V-28	7.7	19.8	12.1	7.96	3.25	4.71	32.9	0.19	3.87	11.2	9.0	14.0	101	1,411	5,352	426	174	252	176	1
18Hii	100	BG	88V-28	7.7	19.8	12.1	7.96	3.25	4.71	32.9	0.19	3.87	11.2	16.0	28.0	179	5,018	19,030	1,515	618	896	626	4
18Hiii	100	BG	88V-28	7.7	19.8	12.1	7.96	3.25	4.71	32.9	0.19	3.87	11.2	6.5	4.0	73	291	1,104	88	36	52	36	0
18I	100	BG	88V-28	27.1	30.1	3.0	13.09	5.94	7.15	85.5	0.97	4.31	3.0	6.5	30.0	20	585	2,471	323	147	177	211	2
18J	100	BG	79V072R	11.9	16.7	4.8	9.64	4.03	5.60	58.4	0.77	4.00	4.8	15.0	29.0	72	2,088	8,185	788	330	458	478	6
18K	80	BG	88V-18	12.3	14.9	2.6	10.21	4.11	6.10	59.0	0.72	3.93	2.6	18.0	60.0	47	2,808	10,815	1,104	444	660	638	8
18L	100	BG	88V-18	6.7	12.3	5.6	10.82	5.56	5.26	71.7	1.49	3.86	5.6	18.0	60.0	101	6,048	22,878	2,475	1,272	1,203	1,640	34
18M	100	BG	P55V109	7.0	12.1	5.1	9.75	2.58	7.17	-1.0	-1.00	3.85	5.1	15.5	43.0	79	3,399	12,825	1,250	331	920	0	0
18N	100	BG	P55V109	15.2	21.3	6.1	15.59	5.76	9.83	-1.0	-1.00	4.21	6.1	15.5	43.0	95	4,066	16,774	2,615	966	1,649	0	0
18O	30	BG	88V-52	16.7	22.0	5.3	7.07	3.71	3.35	43.1	1.15	3.49	5.3	10.0	37.0	53	1,961	6,707	474	249	225	289	8
18Oii	0	BG	88V-52	16.7	22.0	5.3	7.07	3.71	3.35	43.1	1.15	3.49	5.3	6.0	17.0	32	541	1,849	131	69	62	80	2
18P	100	BG	88V-53	9.8	11.7	1.9	6.93	3.76	3.17	56.7	0.97	3.69	2.0	15.0	60.0	30	1,800	6,509	451	245	206	369	6

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.03%	4.07%	5.96%	42.87	0.57	39,702	153,937	15,442	6,260	9,182	6,600	87

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 19+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
19Ai	100	BG	87V-16	3.7	8.4	4.7	10.04	4.76	5.29	68.5	0.73	3.81	4.7	7.0	25.0	33	823	3,071	309	146	162	210	2
19Aii	100	BG	87V-16	3.7	8.4	4.7	10.04	4.76	5.29	68.5	0.73	3.81	4.7	32.0	30.0	150	4,512	16,847	1,693	802	891	1,154	12
19Bi	100	BG	87V-16	27.7	33.3	5.6	13.54	6.12	7.41	76.5	1.22	4.32	5.6	7.0	25.0	39	980	4,149	561	254	307	317	5
19Bii	100	BG	87V-16	27.7	33.3	5.6	13.54	6.12	7.41	76.5	1.22	4.32	5.6	32.0	30.0	179	5,376	22,760	3,079	1,393	1,687	1,741	28
19C	100	BG	88V-20	8.1	12.2	4.1	7.38	2.37	5.02	34.0	0.44	3.25	4.1	27.0	30.0	111	3,321	10,577	782	251	531	360	5

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.19%	4.96%	6.23%	65.89	0.91	15,012	57,404	6,424	2,846	3,579	3,783	52

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 20+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
20A	0	BG	P53V008	32.6	35.8	3.2	7.85	3.17	4.68	49.2	-1.00	2.97	2.5	15.0	17.5	38	0	0	0	0	0	0	0
20B	100	BG	88V-60	6.0	8.2	2.2	14.89	6.53	8.36	98.0	1.37	4.10	2.2	12.5	30.0	28	825	3,315	494	216	277	325	5
20C	0	A	88V-60	24.0	27.4	3.4	9.53	3.82	5.71	59.7	0.54	3.17	3.4	9.0	17.5	31	0	0	0	0	0	0	0
20D	100	BG	88V-54	9.9	12.3	2.4	7.42	3.11	4.31	42.9	0.82	4.20	2.4	20.0	49.0	48	2,352	9,681	718	301	417	415	8
20E	80	A	88V-54	21.5	24.6	3.1	12.17	4.45	7.73	69.4	0.53	3.11	3.1	22.5	47.0	70	2,623	7,993	974	356	618	555	4
20F	100	BG	P53V005	8.5	12.1	3.6	9.01	3.58	5.42	71.9	-1.00	4.21	2.4	16.0	33.0	38	1,267	5,228	471	187	283	376	0
20G	100	BG	P53V005	15.5	20.4	4.9	14.28	4.60	9.68	76.7	-1.00	4.21	3.1	14.0	18.0	43	781	3,223	460	148	312	247	0
20H	100	A	88V-29	7.3	16.0	8.7	10.62	4.14	6.48	60.0	0.73	3.64	8.7	16.5	31.0	144	4,450	15,874	1,686	657	1,029	952	12
20I	100	BG	P53V005	43.2	51.9	8.7	11.52	3.83	7.69	78.9	-1.00	4.21	6.1	16.0	45.0	98	4,392	18,121	2,087	694	1,393	1,430	0
20J	100	BG	88V-30	22.0	29.7	7.7	15.90	5.97	9.93	83.9	1.52	4.10	7.7	13.0	32.0	100	3,203	12,870	2,046	768	1,278	1,080	20
20Ki	80	BG	B0V075RH	18.0	22.3	4.3	8.37	3.21	5.16	54.5	-1.00	4.04	4.3	17.5	30.0	75	1,806	7,150	598	230	369	390	0
20Kii	100	BG	B0V075RH	18.0	22.3	4.3	8.37	3.21	5.16	54.5	-1.00	4.04	4.3	8.0	2.0	34	69	272	23	9	14	15	0
20L	0	BG	P53V008	63.0	64.6	1.6	11.77	3.47	8.30	74.1	-1.00	3.91	2.0	30.0	49.0	60	0	0	0	0	0	0	0
20M	100	BG	88V-30	32.8	35.1	2.3	7.50	3.87	3.63	68.0	1.35	3.52	2.3	13.0	32.0	30	957	3,301	248	128	120	224	4
20N	100	BG	88V-32	11.1	13.4	2.3	7.95	3.60	4.35	34.3	1.23	4.30	2.3	24.0	30.0	55	1,656	6,978	555	251	304	239	9

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.02%	4.20%	6.82%	66.47	0.65	24,381	94,007	10,360	3,945	6,414	6,248	61

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 20+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
20A	0	BG	P53V008	32.6	35.8	3.2	7.85	3.17	4.68	49.2	-1.00	2.97	2.5	15.0	17.5	38	656	1,910	150	61	89	94	0
20B	100	BG	88V-60	6.0	8.2	2.2	14.89	6.53	8.36	98.0	1.37	4.10	2.2	12.5	30.0	28	825	3,315	494	216	277	325	5
20C	0	A	88V-60	24.0	27.4	3.4	9.53	3.82	5.71	59.7	0.54	3.17	3.4	9.0	17.5	31	536	1,664	159	64	95	99	1
20D	100	BG	88V-54	9.9	12.3	2.4	7.42	3.11	4.31	42.9	0.82	4.20	2.4	20.0	49.0	48	2,352	9,681	718	301	417	415	8
20E	80	A	88V-54	21.5	24.6	3.1	12.17	4.45	7.73	69.4	0.53	3.11	3.1	22.5	47.0	70	3,278	9,991	1,217	445	772	693	5
20F	100	BG	P53V005	8.5	12.1	3.6	9.01	3.58	5.42	71.9	-1.00	4.21	2.4	16.0	33.0	38	1,267	5,228	471	187	283	376	0
20G	100	BG	P53V005	15.5	20.4	4.9	14.28	4.60	9.68	76.7	-1.00	4.21	3.1	14.0	18.0	43	781	3,223	460	148	312	247	0
20H	100	A	88V-29	7.3	16.0	8.7	10.62	4.14	6.48	60.0	0.73	3.64	8.7	16.5	31.0	144	4,450	15,874	1,686	657	1,029	952	12
20I	100	BG	P53V005	43.2	51.9	8.7	11.52	3.83	7.69	78.9	-1.00	4.21	6.1	16.0	45.0	98	4,392	18,121	2,087	694	1,393	1,430	0
20J	100	BG	88V-30	22.0	29.7	7.7	15.90	5.97	9.93	83.9	1.52	4.10	7.7	13.0	32.0	100	3,203	12,870	2,046	768	1,278	1,080	20
20Ki	80	BG	80V075RH	18.0	22.3	4.3	8.37	3.21	5.16	54.5	-1.00	4.04	4.3	17.5	30.0	75	2,258	8,938	748	287	461	487	0
20Kii	100	BG	80V075RH	18.0	22.3	4.3	8.37	3.21	5.16	54.5	-1.00	4.04	4.3	8.0	2.0	34	69	272	23	9	14	15	0
20L	0	BG	P53V008	63.0	64.6	1.6	11.77	3.47	8.30	74.1	-1.00	3.91	2.0	30.0	49.0	60	2,940	11,265	1,326	391	935	835	0
20M	100	BG	88V-30	32.8	35.1	2.3	7.50	3.87	3.63	68.0	1.35	3.52	2.3	13.0	32.0	30	957	3,301	248	128	120	224	4
20N	100	BG	88V-32	11.1	13.4	2.3	7.95	3.60	4.35	34.3	1.23	4.30	2.3	24.0	30.0	55	1,656	6,978	555	251	304	239	9

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.00%	4.09%	6.91%	66.70	0.56	29,620	112,632	12,387	4,607	7,780	7,513	63

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 21+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
21A	100	A	88V-27	12.0	15.5	3.5	9.64	3.38	6.27	47.7	0.46	3.20	3.5	3.5	18.5	12	227	711	69	24	45	34	0
21B	100	BG	87V-18	10.9	13.9	3.0	12.43	5.04	7.40	74.0	0.82	3.99	3.0	30.0	34.0	90	3,060	11,965	1,488	603	885	885	10
21C	60	BG	87V-18	21.8	24.2	2.4	6.23	3.54	2.70	60.7	1.38	4.29	2.4	30.0	34.0	72	1,469	6,175	385	219	167	375	9

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
10.30%	4.49%	5.82%	68.65	0.99	4,755	18,851	1,942	846	1,097	1,294	19

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 21+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
21A	100	A	88V-27	12.0	15.5	3.5	9.64	3.38	6.27	47.7	0.46	3.20	3.5	3.5	18.5	12	227	711	69	24	45	34	0
21B	100	BG	87V-18	10.9	13.9	3.0	12.43	5.04	7.40	74.0	0.82	3.99	3.0	30.0	34.0	90	3,060	11,965	1,488	603	885	885	10
21C	60	BG	87V-18	21.8	24.2	2.4	6.23	3.54	2.70	60.7	1.38	4.29	2.4	30.0	34.0	72	2,448	10,292	642	364	278	625	14

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.58%	4.32%	5.26%	67.23	1.06	5,735	22,968	2,199	991	1,208	1,544	24

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 22+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
22A	100	BG	88V-24	9.8	19.0	9.2	10.41	5.19	5.22	75.4	0.89	4.02	9.2	31.0	62.0	285	17,682	69,662	7,252	3,615	3,636	5,252	62
22B	100	BG	88V-23	18.1	21.3	3.2	9.35	4.37	4.97	26.8	0.65	4.25	3.2	18.5	30.0	59	1,776	7,397	691	323	368	198	5
22C	100	A	88V-23	25.6	30.4	4.8	7.69	2.81	4.88	18.5	0.45	2.96	4.8	20.5	25.0	98	2,460	7,136	549	201	348	132	3
22D	100	BG	P53V009	21.0	23.7	2.7	8.63	3.26	5.37	-1.0	-1.00	4.21	2.1	15.0	12.5	32	394	1,625	140	53	87	0	0
22E	100	A	P53V009	28.6	31.6	3.0	13.15	3.96	9.19	68.9	-1.00	2.97	2.5	14.5	30.0	36	1,088	3,165	416	125	291	218	0
22F	100	BG	P53V009	41.4	44.8	3.4	11.14	4.30	6.84	73.4	-1.00	4.21	2.5	13.0	30.0	33	975	4,023	448	173	275	295	0
22Bi	100	BG	88V-22	7.0	14.6	6.8	11.20	4.52	6.68	67.4	0.66	4.20	7.6	28.5	29.0	217	6,281	25,854	2,896	1,169	1,727	1,743	17
22Bii	100	BG	88V-22	7.0	14.6	6.8	11.20	4.52	6.68	67.4	0.66	4.20	7.6	15.5	17.0	118	2,003	8,243	923	373	551	556	5
22H	100	BG	87V-23	5.1	8.4	3.3	13.54	5.43	8.10	82.0	0.83	4.14	3.3	29.0	30.0	96	2,871	11,648	1,576	632	944	955	10
22I	100	BG	87V-23	17.1	23.2	6.1	8.33	4.21	4.12	51.9	1.10	3.90	6.1	29.0	43.5	177	7,695	29,411	2,450	1,238	1,212	1,526	32
22J	100	BG	88V-24	20.8	23.7	2.9	8.28	3.01	5.27	50.1	0.79	3.54	2.9	31.0	62.0	90	5,574	19,337	1,601	582	1,019	969	15
22K	100	BG	88V-22	28.0	32.5	4.5	5.42	2.19	3.23	33.8	0.96	3.56	4.5	22.0	29.0	99	2,871	10,016	543	219	324	339	10
22L	100	BG	88V-21	14.7	17.5	2.8	7.08	2.76	4.33	56.5	1.30	3.85	2.8	30.0	31.0	84	2,604	9,825	697	271	425	555	13
22Lii	100	BG	88V-21	14.7	17.5	2.8	7.08	2.76	4.33	56.5	1.30	3.85	2.8	15.0	17.0	42	714	2,694	191	74	117	152	4
22M	100	BG	88V-21	20.1	22.3	2.2	6.78	3.56	3.22	37.4	0.98	4.35	2.2	30.0	31.0	66	2,046	8,722	591	311	281	326	9
22Mii	100	BG	88V-21	20.1	22.3	2.2	6.78	3.56	3.22	37.4	0.98	4.35	2.2	15.0	17.0	33	561	2,392	162	85	77	89	2

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.55%	4.27%	5.28%	60.17	0.84	57,595	221,149	21,126	9,445	11,681	13,306	187

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 23+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
23A	100	BG	88V-26	11.2	14.8	3.6	8.80	4.61	4.19	55.3	0.87	3.57	3.6	30.0	30.0	108	3,240	11,335	998	523	475	627	10
23B	100	BG	88V-26	21.9	24.4	2.5	10.55	3.63	6.92	53.4	0.98	4.05	2.5	30.0	30.0	75	2,250	8,930	942	324	618	477	9
23C	100	BG	88V-56	10.2	14.6	4.4	10.15	6.30	3.86	61.8	0.36	3.85	4.4	30.0	29.0	132	3,828	14,443	1,467	910	558	893	5

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.82%	5.06%	4.76%	57.52	0.69	9,318	34,709	3,407	1,757	1,650	1,996	24

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 24+00E

APRIL 30, 1990

POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
							ORE BLOCK AND DRILLHOLE DATA					COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
24A	0	BG	P54V054	31.3	34.7	3.4	8.65	4.00	4.65	-1.0	-1.00	4.21	3.4	30.0	30.0	102	0	0	0	0	0	0	0
24B	50	BG	B8V-47	18.9	21.3	2.4	8.69	3.43	5.26	48.1	0.46	4.05	2.4	31.0	15.0	74	558	2,215	192	76	116	107	1
24C	100	BG	B7V-22	7.4	19.8	12.4	13.07	6.43	6.63	77.7	0.42	4.28	12.4	31.5	43.0	391	16,796	70,448	9,201	4,530	4,671	5,474	30
24D	100	BG	B7V-21	18.5	20.8	2.3	12.52	5.45	7.08	86.8	1.13	4.16	2.3	30.0	42.0	69	2,898	11,815	1,480	644	836	1,026	13
24Ei	100	BG	B7V-20	16.3	19.7	3.4	11.06	4.76	6.30	74.7	1.09	4.39	3.4	15.5	10.5	53	553	2,381	263	113	150	178	3
24Eii	100	BG	B7V-20	16.3	19.7	3.4	11.06	4.76	6.30	74.7	1.09	4.39	3.4	23.0	31.5	78	2,463	10,598	1,172	504	668	792	12
24Eiii	100	BG	B7V-20	16.3	19.7	3.4	11.06	4.76	6.30	74.7	1.09	4.39	3.4	18.0	14.5	61	887	3,818	422	182	241	285	4
24Fi	100	A	B7V-20	23.1	25.4	2.3	8.37	3.05	5.32	47.4	0.21	2.99	2.3	15.5	10.5	36	374	1,097	92	33	58	52	0
24Fii	100	A	B7V-20	23.1	25.4	2.3	8.37	3.05	5.32	47.4	0.21	2.99	2.3	23.0	31.5	53	1,666	4,883	409	149	260	231	1
24Fiii	100	A	B7V-20	23.1	25.4	2.3	8.37	3.05	5.32	47.4	0.21	2.99	2.3	18.0	14.5	41	600	1,759	147	54	94	83	0
24G	100	A	P54V081	18.5	21.3	2.8	6.90	2.37	4.53	-1.0	-1.00	2.98	2.8	15.0	31.0	42	1,302	3,802	262	90	172	0	0
24H	100	BG	P54V081	28.3	37.4	9.1	12.92	4.63	8.28	-1.0	-1.00	4.21	8.1	15.0	31.0	122	3,767	15,540	2,006	719	1,287	0	0
24Ii	100	BG	B8V-33	27.9	33.8	5.9	15.74	6.94	8.80	100.5	1.25	4.41	5.9	13.3	11.0	78	863	3,730	587	259	328	375	5
24Iii	100	BG	B8V-33	27.9	33.8	5.9	15.74	6.94	8.80	100.5	1.25	4.41	5.9	22.0	31.5	130	4,089	17,671	2,781	1,226	1,555	1,776	22
24Iiii	100	BG	B8V-33	27.9	33.8	5.9	15.74	6.94	8.80	100.5	1.25	4.41	5.9	12.0	15.0	71	1,062	4,590	722	319	404	461	6
24J	100	BG	B7V-19	18.7	25.5	6.8	6.98	2.61	4.37	27.7	0.24	3.76	6.8	23.5	45.0	160	7,191	26,497	1,850	692	1,158	734	6
24K	75	BG	B7V-19	28.3	31.8	3.5	12.64	5.46	7.18	66.9	0.25	3.82	3.5	23.5	45.0	82	2,776	10,392	1,314	567	746	695	3
24L	100	BG	P54V080	12.4	19.2	5.3	10.42	3.02	7.40	-1.0	-1.00	4.21	6.8	15.5	30.0	105	3,162	13,046	1,359	394	965	0	0
24Lii	100	BG	P54V080	12.4	19.2	5.3	10.42	3.02	7.40	-1.0	-1.00	4.21	6.8	10.0	15.0	68	1,020	4,208	439	127	311	0	0
24M	0	BG	P54V080	81.9	86.5	4.6	7.91	2.55	5.36	-1.0	-1.00	2.97	4.6	15.5	30.0	71	0	0	0	0	0	0	0
24Mii	0	A	P54V080	81.9	86.5	4.6	7.91	2.55	5.36	-1.0	-1.00	2.97	4.6	10.0	15.0	46	0	0	0	0	0	0	0
24N	80	BG	B8V-39	10.5	13.7	3.2	7.36	4.55	2.80	78.1	0.94	4.42	3.2	15.0	30.0	48	1,152	4,990	367	227	140	390	5
24O	100	BG	P54V081	15.5	18.5	3.0	13.03	4.16	8.87	-1.0	-1.00	4.21	3.0	15.0	31.0	45	1,395	5,755	750	239	511	0	0
24P	0	A	P54V080	62.1	65.2	3.1	6.23	1.73	4.50	-1.0	-1.00	2.97	3.1	30.0	30.0	93	0	0	0	0	0	0	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.78%	5.08%	6.69%	57.74	0.50	54,575	219,234	25,816	11,145	14,671	12,658	110

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 24+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
24A	0	BG	P54V054	31.3	34.7	3.4	8.65	4.00	4.65	-1.0	-1.00	4.21	3.4	30.0	30.0	102	3,060	12,625	1,092	505	587	0	0
24B	50	BG	88V-47	18.9	21.3	2.4	8.69	3.43	5.26	48.1	0.46	4.05	2.4	31.0	15.0	74	1,116	4,429	385	152	233	213	2
24C	100	BG	87V-22	7.4	19.8	12.4	13.07	6.43	6.63	77.7	0.42	4.28	12.4	31.5	43.0	391	16,796	70,448	9,201	4,530	4,671	5,474	30
24D	100	BG	87V-21	18.5	20.8	2.3	12.52	5.45	7.08	86.8	1.13	4.16	2.3	30.0	42.0	69	2,898	11,815	1,480	644	836	1,026	13
24Ei	100	BG	87V-20	16.3	19.7	3.4	11.06	4.76	6.30	74.7	1.09	4.39	3.4	15.5	10.5	53	553	2,381	263	113	150	178	3
24Eii	100	BG	87V-20	16.3	19.7	3.4	11.06	4.76	6.30	74.7	1.09	4.39	3.4	23.0	31.5	78	2,463	10,598	1,172	504	668	792	12
24Eiii	100	BG	87V-20	16.3	19.7	3.4	11.06	4.76	6.30	74.7	1.09	4.39	3.4	18.0	14.5	61	887	3,818	422	182	241	285	4
24Fi	100	A	87V-20	23.1	25.4	2.3	8.37	3.05	5.32	47.4	0.21	2.99	2.3	15.5	10.5	36	374	1,097	92	33	58	52	0
24Fii	100	A	87V-20	23.1	25.4	2.3	8.37	3.05	5.32	47.4	0.21	2.99	2.3	23.0	31.5	53	1,666	4,883	409	149	260	231	1
24Fiii	100	A	87V-20	23.1	25.4	2.3	8.37	3.05	5.32	47.4	0.21	2.99	2.3	18.0	14.5	41	600	1,759	147	54	94	83	0
24G	100	A	P54V081	18.5	21.3	2.8	6.90	2.37	4.53	-1.0	-1.00	2.98	2.8	15.0	31.0	42	1,302	3,802	262	90	172	0	0
24H	100	BG	P54V081	28.3	37.4	9.1	12.92	4.63	8.28	-1.0	-1.00	4.21	8.1	15.0	31.0	122	3,767	15,540	2,006	719	1,287	0	0
24Ii	100	BG	88V-33	27.9	33.8	5.9	15.74	6.94	8.80	100.5	1.25	4.41	5.9	13.3	11.0	78	863	3,730	587	259	328	375	5
24Iii	100	BG	88V-33	27.9	33.8	5.9	15.74	6.94	8.80	100.5	1.25	4.41	5.9	22.0	31.5	130	4,089	17,671	2,781	1,226	1,555	1,776	22
24Iiii	100	BG	88V-33	27.9	33.8	5.9	15.74	6.94	8.80	100.5	1.25	4.41	5.9	12.0	15.0	71	1,062	4,590	722	319	404	461	6
24J	100	BG	87V-19	18.7	25.5	6.8	6.98	2.61	4.37	27.7	0.24	3.76	6.8	23.5	45.0	160	7,191	26,497	1,850	692	1,158	734	6
24K	75	BG	87V-19	28.3	31.8	3.5	12.64	5.46	7.18	66.9	0.25	3.82	3.5	23.5	45.0	82	3,701	13,856	1,751	757	995	927	3
24L	100	BG	P54V080	12.4	19.2	5.3	10.42	3.02	7.40	-1.0	-1.00	4.21	6.8	15.5	30.0	105	3,162	13,046	1,359	394	965	0	0
24Lii	100	BG	P54V080	12.4	19.2	5.3	10.42	3.02	7.40	-1.0	-1.00	4.21	6.8	10.0	15.0	68	1,020	4,208	439	127	311	0	0
24M	0	BG	P54V080	81.9	86.5	4.6	7.91	2.55	5.36	-1.0	-1.00	2.97	4.6	15.5	30.0	71	2,139	6,226	492	159	334	0	0
24Mii	0	A	P54V080	81.9	86.5	4.6	7.91	2.55	5.36	-1.0	-1.00	2.97	4.6	10.0	15.0	46	690	2,008	159	51	108	0	0
24N	80	BG	88V-39	10.5	13.7	3.2	7.36	4.55	2.80	78.1	0.94	4.42	3.2	15.0	30.0	48	1,440	6,238	458	284	175	487	6
24O	100	BG	P54V081	15.5	18.5	3.0	13.03	4.16	8.87	-1.0	-1.00	4.21	3.0	15.0	31.0	45	1,395	5,755	750	239	511	0	0
24P	0	A	P54V080	62.1	65.2	3.1	6.23	1.73	4.50	-1.0	-1.00	2.97	3.1	30.0	30.0	93	2,790	8,121	506	140	365	0	0

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.28%	4.83%	6.45%	51.32	0.44	65,025	255,140	28,787	12,322	16,465	13,094	113

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 25+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)						SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
25Ai	100	BG	88V-61	9.5	11.8	2.3	18.41	13.90	4.51	113.0	1.99	4.60	2.3	31.5	31.0	72	2,246	10,125	1,864	1,407	457	1,144	20
25Aii	100	BG	88V-61	9.5	11.8	2.3	18.41	13.90	4.51	113.0	1.99	4.60	2.3	2.5	16.5	6	95	428	79	59	19	48	1
25B	100	BG	88V-34	31.9	33.9	2.0	14.49	5.72	8.77	102.7	1.01	4.08	2.0	30.0	28.0	60	1,680	6,717	973	384	589	690	7

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
16.89%	10.72%	6.17%	108.99	1.61	4,021	17,270	2,916	1,851	1,065	1,882	28

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 26+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
26A	100	BG	79V084R	16.1	23.4	7.3	12.31	6.20	6.11	78.0	2.06	4.46	7.4	17.0	30.0	126	3,774	16,495	2,031	1,023	1,008	1,287	34
26Bi	95	BG	88V-35	9.8	13.6	3.8	8.92	3.85	5.07	69.9	1.25	4.10	3.8	13.0	4.0	49	188	754	67	29	38	53	1
26Bii	95	BG	88V-35	9.8	13.6	3.8	8.92	3.85	5.07	69.9	1.25	4.10	3.8	18.5	30.0	70	2,004	8,050	718	310	408	563	10
26Biii	95	BG	88V-35	9.8	13.6	3.8	8.92	3.85	5.07	69.9	1.25	4.10	3.8	11.0	14.5	42	576	2,314	206	89	117	162	3
26C	100	BG	80V055RH	13.2	18.3	5.1	14.18	6.63	7.56	81.4	-1.00	4.06	5.1	13.0	30.0	66	1,989	7,914	1,123	525	598	644	0
26D	0	A	79V055R	68.1	74.3	6.2	6.93	2.49	4.43	36.5	0.01	3.17	6.2	30.0	30.0	186	0	0	0	0	0	0	0
26E	0	BG	79V084R	71.4	75.3	3.9	7.06	2.74	4.33	42.4	0.26	3.46	5.8	17.0	30.0	99	0	0	0	0	0	0	0
26F	0	A	79V055R	76.5	79.6	3.1	7.16	2.49	4.68	33.1	0.01	3.26	3.1	30.0	30.0	93	0	0	0	0	0	0	0

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
11.67%	5.56%	6.11%	76.22	1.35	8,530	35,527	4,145	1,975	2,170	2,708	48

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 26+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
26A	100	BG	79V084R	16.1	23.4	7.3	12.31	6.20	6.11	78.0	2.06	4.46	7.4	17.0	30.0	126	3,774	16,495	2,031	1,023	1,008	1,287	34
26Bi	95	BG	88V-35	9.8	13.6	3.8	8.92	3.85	5.07	69.9	1.25	4.10	3.8	13.0	4.0	49	198	794	71	31	40	55	1
26Bii	95	BG	88V-35	9.8	13.6	3.8	8.92	3.85	5.07	69.9	1.25	4.10	3.8	18.5	30.0	70	2,109	8,474	756	326	430	592	11
26Biii	95	BG	88V-35	9.8	13.6	3.8	8.92	3.85	5.07	69.9	1.25	4.10	3.8	11.0	14.5	42	606	2,435	217	94	123	170	3
26C	100	BG	80V055RH	13.2	18.3	5.1	14.18	6.63	7.56	81.4	-1.00	4.06	5.1	13.0	30.0	66	1,989	7,914	1,123	525	598	644	0
26D	0	A	79V055R	68.1	74.3	6.2	6.93	2.49	4.43	36.5	0.01	3.17	6.2	30.0	30.0	186	5,580	17,335	1,200	432	768	633	0
26E	0	BG	79V084R	71.4	75.3	3.9	7.06	2.74	4.33	42.4	0.26	3.46	5.8	17.0	30.0	99	2,958	10,030	709	275	434	425	3
26F	0	A	79V055R	76.5	79.6	3.1	7.16	2.49	4.68	33.1	0.01	3.26	3.1	30.0	30.0	93	2,790	8,913	639	222	417	295	0

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
9.32%	4.04%	5.28%	56.66	0.71	20,004	72,391	6,745	2,926	3,819	4,102	51

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 27+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)						SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
27A	100	BG	BBV-40	17.1	22.6	5.5	13.84	5.43	8.41	93.7	1.31	4.22	5.5	30.0	30.0	165	4,950	20,471	2,833	1,112	1,722	1,918	27

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
13.84%	5.43%	8.41%	93.70	1.31	4,950	20,471	2,833	1,112	1,722	1,918	27

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 28+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)						METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
28A	100	BG	P54V086	16.2	19.5	3.3	11.07	2.08	8.99	-1.0	-1.00	4.21	2.4	16.0	29.0	38	1,114	4,594	509	96	413	0	0
28B	5	BG	P54V086	28.4	32.0	3.6	8.17	2.31	5.87	-1.0	-1.00	4.21	3.6	16.0	30.0	58	86	356	29	8	21	0	0
28Ci	95	BG	88V-42	9.6	15.2	5.6	14.35	7.29	7.06	91.1	1.60	4.54	5.6	16.5	19.0	92	1,668	7,420	1,065	541	524	676	12
28Cii	95	BG	88V-42	9.6	15.2	5.6	14.35	7.29	7.06	91.1	1.60	4.54	5.6	23.5	27.0	132	3,376	15,018	2,155	1,095	1,060	1,368	24
28Ciii	95	BG	88V-42	9.6	15.2	5.6	14.35	7.29	7.06	91.1	1.60	4.54	5.6	17.0	15.0	95	1,357	6,036	866	440	426	550	10

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
13.83%	6.52%	7.31%	77.61	1.36	7,600	33,426	4,624	2,180	2,444	2,594	46

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 28+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
28A	100	BG	P54V086	16.2	19.5	3.3	11.07	2.08	8.99	-1.0	-1.00	4.21	2.4	16.0	29.0	38	1,114	4,594	509	96	413	0	0
28B	5	BG	P54V086	28.4	32.0	3.6	8.17	2.31	5.87	-1.0	-1.00	4.21	3.6	16.0	30.0	58	1,728	7,129	583	165	418	0	0
28Ci	95	BG	88V-42	9.6	15.2	5.6	14.35	7.29	7.06	91.1	1.60	4.54	5.6	16.5	19.0	92	1,756	7,811	1,121	569	551	712	12
28Cii	95	BG	88V-42	9.6	15.2	5.6	14.35	7.29	7.06	91.1	1.60	4.54	5.6	23.5	27.0	132	3,553	15,809	2,269	1,152	1,116	1,440	25
28Ciii	95	BG	88V-42	9.6	15.2	5.6	14.35	7.29	7.06	91.1	1.60	4.54	5.6	17.0	15.0	95	1,428	6,353	912	463	449	579	10

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.93%	5.86%	7.07%	65.49	1.15	9,578	41,697	5,393	2,445	2,948	2,731	48

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 29+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
29A	55	BG	88V-43	16.5	18.9	2.4	17.09	6.08	11.02	80.8	1.49	4.83	2.4	30.0	30.0	72	1,188	5,623	962	342	620	454	8

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
17.10%	6.08%	11.02%	80.80	1.49	1,188	5,623	962	342	620	454	8

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 29+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag‡ (g/t)	Au‡ (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
29A	55	BG	88V-43	16.5	18.9	2.4	17.09	6.08	11.02	80.8	1.49	4.83	2.4	30.0	30.0	72	2,160	10,224	1,748	622	1,127	826	15

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
17.10%	6.08%	11.02%	80.80	1.49	2,160	10,224	1,748	622	1,127	826	15

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.
‡ All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA UNDILUTED RESERVES WITHIN PIT LIMITS

CROSS SECTION: 30+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA								COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (WITHIN PIT LIMITS) (density reduced 2% for porosity)							METAL CONTENT WITHIN PIT LIMITS				
POLYGON NUMBER	PERCENTAGE OF POLYGON WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)		Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	POLYGON VOLUME (m^3)	POLYGON TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
30Ai	60	BG	B8V-45	22.7	25.2	2.5		8.23	3.51	4.71	57.9	1.11	4.16	2.5	13.5	44.0	34	891	3,632	299	127	171	210	4
30Aii	60	BG	B8V-45	22.7	25.2	2.5		8.23	3.51	4.71	57.9	1.11	4.16	2.5	8.0	14.0	20	168	685	56	24	32	40	1
30B	95	BG	B8V-57	8.2	16.9	8.7		15.74	10.46	5.28	122.1	5.58	4.41	8.7	15.0	30.0	131	3,719	16,074	2,530	1,681	849	1,963	90
30C	100	BG	B8V-57	19.6	22.0	2.4		8.92	4.51	4.41	63.0	1.32	4.11	2.4	15.0	15.0	36	540	2,175	194	98	96	137	3
30D	75	BG	B8V-45	5.0	7.5	2.5		7.84	7.72	0.13	123.3	2.36	2.70	2.5	15.0	16.0	38	450	1,191	93	92	2	147	3
30E	90	BG	B8V-58	17.4	19.8	2.4		7.81	5.62	2.19	24.1	2.09	3.75	2.4	15.0	30.0	36	972	3,572	279	201	78	86	7

S.G. & LENGTH WEIGHTED COMPOSITES					VOLUME & TONNAGE WITHIN PIT LIMITS		METAL CONTENT WITHIN PIT LIMITS				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.63%	8.14%	4.49%	94.50	3.94	6,740	27,329	3,451	2,224	1,228	2,583	108

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.

VANGORDA TOTAL UNDILUTED RESERVES

CROSS SECTION: 30+00E

APRIL 30, 1990

ORE BLOCK AND DRILLHOLE DATA							COMPOSITED GRADES FOR POLYGONS					VOLUMETRIC DATA (density reduced 2% for porosity)							SECTIONAL METAL CONTENT				
POLYGON NUMBER	PERCENTAGE OF POLY'N WITHIN PIT	ORE TYPE	HOLE-ID	FROM (m)	TO (m)	INTERVAL (m)	Pb+Zn (%)	Pb (%)	Zn (%)	Ag* (g/t)	Au* (g/t)	S.G.	THICKNESS (m)	WIDTH (m)	LENGTH (m)	AREA (m^2)	VOLUME (m^3)	TONNAGE (tonnes)	Pb+Zn (tonnes)	Pb (tonnes)	Zn (tonnes)	Ag (Kg)	Au (Kg)
30Ai	60	BG	88V-45	22.7	25.2	2.5	8.23	3.51	4.71	57.9	1.11	4.16	2.5	13.5	44.0	34	1,485	6,054	498	212	285	351	7
30Aii	60	BG	88V-45	22.7	25.2	2.5	8.23	3.51	4.71	57.9	1.11	4.16	2.5	8.0	14.0	20	280	1,142	94	40	54	66	1
30B	95	BG	88V-57	8.2	16.9	8.7	15.74	10.46	5.28	122.1	5.58	4.41	8.7	15.0	30.0	131	3,915	16,920	2,663	1,770	893	2,066	94
30C	100	BG	88V-57	19.6	22.0	2.4	8.92	4.51	4.41	63.0	1.32	4.11	2.4	15.0	15.0	36	540	2,175	194	98	96	137	3
30D	75	BG	88V-45	5.0	7.5	2.5	7.84	7.72	0.13	123.3	2.36	2.70	2.5	15.0	16.0	38	600	1,588	125	123	2	196	4
30E	90	BG	88V-58	17.4	19.8	2.4	7.81	5.62	2.19	24.1	2.09	3.75	2.4	15.0	30.0	36	1,080	3,969	310	223	87	96	8

AVERAGE S.G. & LENGTH WEIGHTED COMPOSITES					SECTIONAL VOLUME & TONNAGE		TOTAL METAL CONTENT				
Pb+Zn	Pb	Zn	Ag(g/t)	Au(g/t)	VOLUME (m^3)	TONNAGE (Tonnes)	Pb+Zn(tn)	Pb(tn)	Zn(tn)	Ag(kg)	Au(kg)
12.19%	7.74%	4.45%	91.40	3.68	7,900	31,847	3,883	2,466	1,417	2,911	117

Ore type "A" represents carbonaceous ore; "BG" represents ore types with 0-trace carbonaceous material.

* All "-1" values indicate no analysis; "-1" values omitted from all calculations.