

GRUM - AEX JOINT VENTURE

Vangorda Creek Y.T. (105K-6)

METALLURGICAL SAMPLES FROM 1/2 SPLIT D.D. CORE

(A)

D.D. HOLE No	SAMPLE No	FOOTAGE		RECOVERED FEET	ASSAY			Pb-Zn Comb.	Pb-Zn X Ft.	
		FROM	TO		Pb	Zn	Ag			
5-A-88	2058	382	- 387.5	5.0	5.70	9.55	2.32	15.3	76.5	
	2090	669.5	- 672.0	1.0	4.28	6.55	1.68	10.8	10.8	
	2088	687	- 689	1.5	5.64	6.24	1.97	10.4	15.6	
	2085	672	- 675	2.5	5.68	8.77	2.35	14.5	36.3	
5A-87	1737	536.8	- 541.5	4.7	5.37	9.26	2.38	14.6	68.6	
	1770	778.5	- 785	6.3	7.33	14.54	3.28	21.9	137.9	<u>CAN A-1</u> Total footage = 72.5 GRADE = 13.8% Estimated Wt. = 906.165
	1778	1042.2	- 1048	5.7	4.13	6.15	2.41	10.3	58.7	
	1783	1063.2	- 1072.6							
	1788	1084.5	- 1089	4.1	4.58	7.68	2.12	12.2	53.7	
	1789	1089	- 1099	9.7	4.73	8.48	2.50	13.1	127.1	
5A-85	1985	1109.2	- 1118.3	9.1	4.43	6.75	1.91	11.2	101.9	
	1989	1142	- 1152	10.0	5.98	9.03	2.35	15	150.0	
	1990	1152	- 1156	4.0	4.54	7.68	1.62	12.2	48.8	
5A-78	1703	169.5	- 174.5	5.0	5.40	9.22	2.65	14.6	73.0	
	1712	861.9	- 865.8	3.9	5.10	5.40	1.88	10.5	40.9	
				72.5					999.8	$\frac{99.8}{72.5} = 13.79$
75-A-87	1738	541.5	- 543.6	2.1	4.35	5.60	2.06	9.9	20.8	
	1754	653.6	- 663.4	9.4	3.00	4.26	1.21	7.3	68.6	
	1763	721.4	- 731	9.4	3.90	3.48	2.21	7.4	69.6	
	1783	1063.2	- 1072.6	9.1	4.28	5.28	2.09	9.5	86.5	
5-A-85	1953	712.5	- 718	5.0	2.48	5.82	1.00	8.3	41.5	
	1969	873.3	- 881.1	7.8	4.73	5.40	1.91	10.1	78.8	
	1980	960.8	- 971	10	4.13	3.96	1.32	8.1	81.0	<u>CAN A-2</u> Total Footage = 94.7 GRADE = 9.0 ESTIMATED WEIGHT = 118.4
5-A-78	1706	244.7	- 249.6	4.9	5.03	4.80	1.91	9.8		
	1716	932.2	- 938.5	6.3	5.25	7.20	2.62	12.6	79.4	
75A-76	1584	457.8	- 461	3.2	6.70	10.65	1.82	17.40	55.7	
	1585	461	- 466.2	4.3	4.65	7.20	1.94	11.9	51.2	
	1586	466.2	- 471	4.8	3.75	5.28	1.53	9.0	43.2	
	1593	933.4	- 936.3	2.9	6.94	7.68	2.68	14.6	42.4	
	1600	1197	- 1202.3	5.0	4.35	4.44	1.53	8.8	44.0	
	1903	1216	- 1221	5.0	4.73	3.60	1.41	8.3	41.5	
	1907	1232.5	- 1238	5.5	5.03	3.66	1.47	8.7	47.9	
				94.7					852.1	$\frac{852.1}{94.7} = 8.99$

GRUM - AEX JOINT VENTURE

VANGORDA CREEK Y.T. (105K-6)

METALLURGICAL SAMPLES FROM 1/2 SPLIT D.D. CORE

(B)

DD HOLE No	SAMPLE No	FOOTAGE		RECOVERED FEET	ASSAY			Pb-Zn Comb.	Pb-Zn X Ft.	
		From	To		Pb	Zn	Ag			
75 A-88	2087	682.5	685.0	2.0	5.03	5.40	1.68	11.9	23.8	
	2086	675	682.5	7.5	7.87	10.83	3.03	18.7	140.3	
75 A-87	1767	753.5	761.0	7.5	4.20	8.36	2.21	12.5	93.8	
	1769	770.3	774.2	3.7	3.15	7.61	1.12	10.8	39.9	
	1779	1048	1052.8	4.7	4.80	7.70	3.24	12.5	58.8	
	~~1780~~	~~1052.8~~	~~1058.6~~	~~5.6~~	~~3.15~~	~~5.16~~	~~1.53~~	~~8.3~~		
	1787	1078.9	1084.5	5.6	5.71	6.48	2.50	11.2	62.7	CAN B1
	1790	1099	1105.5	6.3	4.65	10.07	2.79	14.7	92.6	
75 A-85	1986	1118.3	1120.9	9.7	5.25	6.96	1.91	12.2	118.3	Total footage = 79.8
	1987	1120.8	1136	8.0	5.23	11.53	2.35	16.8	134.4	
	1988	1136	1140	4.0	4.85	7.48	1.88	12.3	49.2	Grade = 13.7%
	1994	1171.2	1174	2.0	6.35	9.97	2.65	16.3	32.6	
75 A-78	1705	186.5	190.3	3.0	3.90	8.04	1.74	11.9	35.7	Estimated Weight = 99.7
	1707	258	265	6.8	8.72	14.83	3.68	23.5	159.8	
	1711	280	282	2.0	1.83	3.00	0.79	4.8	9.6	
	1715	875	878	3.0	3.75	6.36	2.21	10.1	30.3	
	1720	952	956	4.0	1.15	1.18	0.59	2.3	9.2	
				79.8					1091.0	$\frac{1091.0}{79.8} = 13.67$
75 A 87	1747	586.3	589.4	3.1	3.45	5.64	1.62	9.1	28.2	
	1756	666.0	676.0	10.0	3.08	3.90	1.27	7.0	70.0	
	1764	731.0	740.5	9.4	2.38	6.66	1.24	9.0	84.6	
	1768	761	766	5.0	2.08	7.29	1.32	9.4	47.0	CAN B 2
	1780	1052.8	1058.6	5.6	3.15	5.16	1.53	8.3	46.5	
75 A 85	1967	862	868.2	6.2	3.83	3.96	1.38	7.8	48.4	Total footage = 75.6
	1996	1183	1186.5	3.5	3.87	4.62	1.79	8.5	29.8	
	2000	1284.6	1287.5	2.9	5.12	3.96	1.48	9.1	26.4	Grade = 8.5
	2302	1290.9	1296.5	6.2	4.65	3.66	1.50	8.3	51.5	
75 A 78	1709	271.0	275.5	4.5	3.09	6.84	1.59	9.9	44.5	Estimated Weight = 94.5
	1594	937.7	943	5.3	5.18	4.92	1.85	10.1	53.5	
	1905	1225	1229.5	3.5	5.37	4.20	1.41	9.6	33.6	
	1908	1238	1242.5	4.5	4.05	3.42	1.15	7.5	33.8	
SA-75	1646	86	91	2.5	2.28	5.48	1.18	7.7	19.3	
	1660	165.5	168.9	3.4	2.93	5.88	1.32	8.8	29.7	
				75.6					646.8	$\frac{646.8}{75.6} = 8.55$

Sheet ~~Blank~~

D.D. Hole No.	SAMPLE No.	Footage From - To	Recon. Depth ft.	Pb Zn Combined Grade %	ASSAY			GRADE CATEGORY for MAT. TEST			REMARKS
					Pb	Zn	Ag	Low 4-7%	Med 7-10%	High 10+%	
								A-3-1	A-3-2	A-3-3	
5-A84	2046	707 - 711	4	7.9%	3.08	4.86	1.32		✓31.6		a-s Barite, 58 Py
78" / a.l. 40	2047	- 719	8	14.5	5.63	8.88	2.68			✓11.6	as above
	2048-9	831.0 - 839.4	8.4	6.5	3.07	3.43	1.08	✓54.6			a-6 w/ barite macro sulphs - 100 Py
5-A83	1810	454 - 462	8	8.9	5.20	3.66	2.12		✓11.0		M.S. 4 barite a-s 65 Py
72" / 25	1811	463.5 - 473.5	10	8.7	3.53	3.12	1.29	~~31.0~~	87		M.S. 70 Py
5-A82	2023	389.5 - 398.0	6	16.5	6.15	10.37	2.68			✓39	M.S. + a-s - 6 sulphs 20 Py
76" / 8"	2028	958.7 - 963.7	5	7.9	3.53	4.44	1.59		✓39.5		a-s - 6 sulphs 12 Py
	2029	- 968.5	4.8	6.8	2.23	4.44	0.97	32.64 ✓			as above
	2031	1052 - 1057	5	11.3	4.92	6.35	2.12			✓56.5	a-Barite - sulphs 4 mag. 50 Py
	2032	1073.5 - 1078.5	5	7.4	4.28	3.18	1.32	37 ✓			as above
	2033	- 1083.5	5	5.3	3.98	1.34	1.18	26.5 ✓			as above
5-A79	1917	2930 - 2980	5 "	8.8%	3.30	5.46	1.32		44 ✓		a-s 5 Py
50"	1918	- 303.5	5.5	8.3	2.93	5.40	1.09		45 ✓		a-6 4 Py
	1922	326.0 - 331.0	5	6.8	2.50	4.26	1.03	34 ✓			a-6 5 Py
	1926	387.6 - 392.0	4.4	9.3	2.78	6.48	1.44		40.9 ✓		a-s 3 Py
	1929	- 399.2	7.2	17.1	6.17	10.92	2.94			123.1 ✓	a-s 40 Py
	1931	443.5 - 449.8	6	6.5	2.23	4.26	1.15	39 ✓			a-s 4.8. Sulphs 25 Py
	1934	1130.7 - 1136	5.3	11.2	5.84	5.40	1.79	34.2 (223.7) w/ 6.5%	41.9 (359.9) 8.6%	59.36 61.5 (394) 12.5 Py	M.S. 4 mag.
NOTE: Samples from D.D. Holes 75-84, 83, 82, and A79 are 1/2 of half core											

CAN A-A							
75-A75	1664	193.5~201	5.5	13	3.90	9.08	1.88
✓	1676	264~269.3	5.3	11.1	4.05	7.08	1.65
✓	1681	292.4~298	5.6	13.8	4.99	8.76	2.06
✓	1688	329~339	2	20.5	6.09	14.43	2.35
✓	1697	830.2~832	1.8	15	4.13	10.89	1.74
✓	1699	851~857.6	6.6	15.8	5.40	10.50	2.38
							$\frac{26.8}{14.2\%}$
75-A73	1573	303~309	5.8	18.5	5.93	12.58	2.65
75-A87	1823	731.4~734.4	2.8	20.2	5.74	14.43	3.09
✓	1615	1025~1034.5	6 ^(9.5)	15.15	5.95	9.13	2.44
75-A68	1316	673.3~678.6	5.3	23.5	8.15	15.38	3.53
✓	1324	713.4~719.4	6	29.2	10.23	19.0	4.12
✓	1325	~721.5	2.1	22.5	10.06	12.46	3.53
✓		811.6~818.6	7	16.1	5.63	10.47	2.21
							$\frac{61.8}{17.7\%}$
TOTALS : 206.2 + 61.8 = 268 ⁴							$\frac{3390.7}{12.65\%}$
							$\frac{258.3}{92.7}$ 351.0 lbs

③

CAN B-3

Sheet ~~A/E/C~~

[illegible]

75-A75	1667	213 ~ 222	5	10.7	4.35	6.36	1.68	✓ 53.5
	1673	249 ~ 254	5	14.4	3.60	10.82	1.47	✓ 72.0
	1674	254 ~ 259	5	13.7	3.60	7.08	1.76	✓ 68.5
	1678	275.8 ~ 281.4	5.6	12.1	4.43	7.68	1.76	✓ 67.6
	1694	803.9 ~ 808.9	5.0	22	12.75	9.23	5.00	✓ 110.8
								262 $\frac{371.8}{17.61\%}$
75-A73	1578	330.2 ~ 339.7	9.5	16.3	5.84	10.45	2.59	✓ 154.9
75-A70	1426	212.5 ~ 218.5	6	21.3	6.59	14.70	3.29	✓ 127.8
75-A69	1601	722.5 ~ 726.3	2.9	32.7	8.58	24.07	3.24	✓ 94.8
	1605	758.8 ~ 761.9	3.1	28.9	9.25	19.6	4.24	✓ 89.6
75-A68	1185	421.5 ~ 425.7	4.2	20.3	7.71	12.62	3.09	✓ 85.3
	1315	667.7 ~ 673.3	5.6	15.8	8.00	7.8	3.21	✓ 88.5
	1323	706.3 ~ 713.4	7.1	17.4	7.63	9.81	3.00	✓ 123.5
								64 $\frac{1136.2}{17.8\%}$
Totals : 202.5' + 64' = 266.5'								3419.0
								12.83%

(B)

CAN
B-4

64' x 1.5' = 96'