

Black Pine Phase 4A - Rangefront Variability Composite Testing

Phase 4A Rangefront Variability Composites		Fine Bottle Roll						Coarse Bottle Roll						Column Tests		
		Feed Target P80 (75µm)						Feed Target P80 (1,700µm)								
		Direct Leach			CIL Leach			Direct Leach			CIL Leach					
Composite ID	Rock Formation	Feed P80 (µm)	Calc Hd Au (ppm)	Gold Extracted (%)	Feed P80 (µm)	Calc Hd Au (ppm)	Gold Extracted (%)	Feed P80 (µm)	Calc Hd Au (ppm)	Gold Extracted (%)	Feed P80 (µm)	Calc Hd Au (ppm)	Gold Extracted (%)	Feed P80 (mm)	Calc Hd Au (ppm)	Gold Extracted (%)
BP533-90	RF-Pola	54	0.260	82.7	54	0.264	95.8	1,460	0.246	85.0	1,260	0.252	91.7	24.2	0.239	90.8
BP533-91	RF-Pola	36	0.825	79.5	54	0.798	88.3	1,580	0.804	80.5	1,570	0.823	83.4	23.3	0.782	86.7
B511CA-92	RF-Ppos	71	0.379	75.2	69	0.368	82.6	1,430	0.370	70.0	1,350	0.390	71.8	11.3	0.368	80.4
B511CA-93	RF-Ppos	64	0.173	71.1	69	0.172	90.7	1,560	0.147	67.3	1,430	0.170	80.6	25.2	0.150	82.7
B511CA-94	RF-Ppos	72	0.142	69.7	70	0.236	93.2	1,450	0.202	74.8	1,600	0.140	75.0	24.0	0.137	79.6
B511CA-95	RF-Pola	84	0.223	78.0	77	0.146	85.6	1,520	0.183	75.4	1,460	0.217	88.0	24.3	0.209	88.5
B511CA-96	RF-Pola	87	1.360	86.8	84	1.250	93.7	1,370	1.238	89.9	1,400	1.292	91.3	24.7	1.322	92.4
B511CA-97	RF-Pola	182	1.673	87.7	112	1.802	95.1	1,300	1.768	92.5	1,490	1.729	93.9	22.4	1.966	95.8
B511CA-98	RF-Pola	35	0.994	84.4	88	0.930	91.3	1,450	1.054	86.4	1,390	1.012	87.1	25.0	0.938	88.7
B511CA-99	RF-Pola	190	0.270	73.7	150	0.251	83.3	2,190	0.268	72.8	2,100	0.266	78.9	28.8	0.352	84.1
BP541-100	RF-Ppos	65	0.274	73.0	53	0.265	82.6	1,490	0.298	73.2	1,570	0.278	72.3	27.8	0.261	78.5
BP541-101	RF-Ppos	64	0.502	79.3	64	0.504	86.5	1,320	0.522	77.4	1,590	0.491	77.8	10.9	0.459	81.3
BP541-102	RF-Ppos	73	0.169	81.7	69	0.165	91.5	1,720	0.142	83.8	1,320	0.158	85.4	22.2	0.148	91.2
BP541-103	RF-Ppos	79	0.230	80.4	75	0.247	87.9	1,430	0.239	86.6	1,340	0.230	81.7	25.3	0.239	89.1
BP541-104	RF-Ppos	83	0.246	67.5	67	0.230	75.7	1,390	0.264	74.6	1,410	0.223	67.7	24.3	0.214	70.6
BP541-105	RF-Pola	92	0.252	80.2	105	0.252	87.7	890	0.261	83.5	1,510	0.248	86.7	12.4	0.224	87.5
BP541-106	RF-Pola	64	0.568	80.3	42	0.592	89.0	1,270	0.620	84.5	1,360	0.573	84.5	13.7	0.597	88.6
BP541-107	RF-Pola	47	0.226	71.7	69	0.216	82.9	2,540	0.289	80.6	1,290	0.197	74.6	12.5	0.200	76.5
BP556-108	RF-Ppos	52	0.199	63.3	56	0.167	71.9	1,680	0.185	62.7	1,170	0.160	60.6	13.5	0.144	59.0
BP556-109	RF-Pola	62	0.310	61.0	65	0.317	71.9	1,500	0.340	60.3	1,520	0.296	56.1	24.6	0.281	54.1
BP556-110	RF-Pola	42	0.236	80.9	62	0.154	75.3	1,440	0.250	77.2	1,490	0.134	63.4	24.5	0.123	66.7
BP556-111	RF-Pola	81	1.025	84.5	68	1.028	89.2	1,350	1.073	84.4	1,320	1.035	84.6	24.6	0.948	86.6
BP556-112	RF-Pola	57	0.742	82.6	62	0.764	89.1	1,330	0.822	86.4	1,390	0.790	85.2	12.3	0.738	90.0
BP556-113	RF-Pola	66	0.263	80.6	57	0.256	82.8	1,440	0.278	78.8	1,400	0.257	80.9	24.1	0.234	81.6