

BLACK PINE		Fine Bottle Roll						Coarse Bottle Roll						Column Tests		
Phase 4B and 4C Variability Composites		Feed Target P80 (75µm)						Feed Target P80 (1,700µm)								
		Direct Leach			CIL Leach			Direct Leach			CIL Leach					
Composite ID	Deposit Area	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 (%)
Phase 4B																
BP429CA-114	DZ2	43	0.206	76.4	81	0.190	76.2	1,700	0.200	84.8	1,130	0.191	74.6	24.2	0.198	69.9
BP429CA-115	DZ2	46	0.317	71.2	70	0.291	71.7	1,590	0.293	75.4	1,310	0.296	66.8	25.9	0.268	56.9
BP429CA-116	DZ2	29	0.475	81.0	72	0.442	84.7	1,650	0.435	85.0	1,450	0.435	84.0	22.9	0.425	83.1
BP429CA-117	DZ2	73	0.290	87.2	96	0.228	89.0	1,750	0.217	88.2	1,210	0.261	91.2	25.8	0.216	89.1
BP429CA-118	DZ2	61	0.306	30.8	83	0.291	45.8	2,070	0.291	38.6	1,170	0.306	49.1	25.4	0.299	43.6
BP429CA-119	DZ2	41	0.276	69.9	75	0.254	71.2	1,950	0.274	78.7	1,460	0.266	72.1	25.0	0.268	75.3
BP429CA-120	DZ2	19	1.900	84.5	80	1.856	85.8	1,300	2.036	84.4	810	1.890	85.0	13.8	1.895	82.8
BP429CA-121	DZ2	24	0.199	83.3	85	0.195	84.2	2,030	0.186	37.7	1,220	0.176	85.7	13.9	0.180	84.5
BP485-122	E Pit	94	0.201	77.8	84	0.153	77.5	1,650	0.163	87.0	1,220	0.163	81.7	28.2	0.162	78.6
BP485-123	E Pit	72	0.376	78.7	77	0.324	86.3	1,490	0.354	88.1	970	0.362	86.4	22.8	0.342	86.1
BP485-124	E Pit	77	0.315	68.8	72	0.297	80.4	1,660	0.219	70.8	1,280	0.264	75.8	24.9	0.258	71.8
BP508-125	F Zone	70	0.363	78.9	84	0.399	84.3	1,750	0.346	80.9	1,640	0.326	72.7	25.6	0.359	75.3
BP508-126	F Zone	65	0.202	77.4	58	0.201	82.1	2,000	0.171	83.2	1,700	0.157	77.4	24.5	0.174	67.7
BP508-127	F Zone	126	0.836	85.7	143	0.809	88.0	1,460	0.823	83.3	1,430	0.821	85.5	13.2	0.747	85.8
BP508-128	F Zone	80	7.682	94.0	72	7.889	95.5	1,760	8.101	91.4	1,450	7.499	94.3	24.5	7.995	94.2
BP499-129	Tallman (DZ)	63	0.557	74.8	90	0.520	82.0	2,120	0.507	74.2	1,590	0.480	79.7	28.7	0.500	75.5
BP499-130	Tallman (DZ)	85	0.278	54.4	74	0.280	62.0	1,900	0.256	53.6	1,590	0.228	54.3	12.6	0.243	57.0
BP499-131	Tallman (DZ)	71	4.259	88.2	80	4.260	88.9	1,930	4.261	86.0	1,660	4.411	87.4	25.6	3.893	87.6
BP499-132	Tallman (DZ)	76	0.131	79.0	81	0.146	74.1	2,010	0.132	79.1	1,540	0.120	67.7	13.1	0.140	61.4
BP573-133	M Zone	67	0.362	85.8	78	0.342	81.0	1,850	0.364	82.1	1,600	0.301	76.4	28.6	0.316	71.9
BP525-134	I Pit Saddle	66	0.526	79.8	69	0.470	78.6	1,730	0.542	72.4	1,640	0.473	70.4	25.2	0.487	63.3
BP525-135	I Pit Saddle	77	0.587	86.6	81	0.534	84.9	1,820	0.590	81.0	1,660	0.541	75.9	25.7	0.531	73.9
BP525-136	I Pit Saddle	70	0.214	71.7	75	0.145	63.7	1,950	0.189	65.4	1,660	0.144	58.6	13.4	0.190	64.0
BP530-137	M Zone	66	0.647	79.1	1,910	0.628	82.0	70	0.214	71.7	75	0.145	63.7	13.8	0.641	77.0
BP530-138	M Zone	104	1.224	83.1	66	0.647	79.1	1,660	0.144	58.6	1,910	0.628	82.0	26.0	1.130	81.0
Phase 4C																
BP251C-139	C/D Pit So	63	0.334	77.0	65	0.286	76.9	1,700	0.275	69.8	1,630	0.265	64.5	12.4	0.255	64.7
BP489C-140	C/D Pit West	53	0.210	86.9	59	0.190	86.8	1,640	0.212	89.5	1,600	0.198	85.4	24.9	0.182	86.5
BP489C-141	C/D Pit West	51	0.149	72.2	46	0.132	68.2	1,750	0.160	69.4	1,540	0.129	58.9	27.4	0.111	60.3
BP489C-142	C/D Pit West	56	0.412	79.9	56	0.387	82.2	1,920	0.395	78.6	1,590	0.412	79.9	24.7	0.353	69.5
BP489C-143	C/D Pit West	99	0.623	77.5	63	0.585	79.8	1,690	0.633	74.0	1,610	0.572	72.2	24.3	0.550	72.9
BP489C-144	C/D Pit West	59	0.289	67.0	62	0.243	69.5	1,900	0.285	70.3	1,630	0.252	61.1	24.8	0.224	52.7
BP516C-#145	C/D Pit East	62	0.253	63.1	66	0.207	66.2	1,830	0.248	63.5	1,710	0.210	54.8	14.1	0.179	54.8
BP516C-146	C/D Pit East	44	0.445	79.6	58	0.347	81.0	1,640	0.386	78.4	1,610	0.370	72.7	27.6	0.336	73.9
BP516C-147	C/D Pit East	62	0.312	69.9	64	0.258	72.5	1,800	0.276	66.4	1,690	0.271	62.4	29.0	0.240	57.1
BP516C-148	C/D Pit East	61	1.061	91.4	61	1.082	90.9	2,080	1.115	88.0	2,020	1.093	87.6	13.2	1.120	89.8
BP516C-149	C/D Pit East	54	0.274	74.1	59	0.114	51.8	1,710	0.236	70.5	1,840	0.227	70.9	25.4	0.204	60.6

OXIDE: AuCN/AuFA>65%, TR-Hi:<65,>50%, TR-Low<50%,>25%