LA SORPRESA AND PARIO PAULA GOLD PROSPECTS, NORTHERN PERU

1. Introduction

These prospects are briefly described in undated but recent reports titled 'Diseminado La Sorpresa' and 'Brecha y diseminado Pario Paula', provided by the owner Guillermo Montori. They are about 8 km apart, and are situated in a prospective Andean-trending (NW) corridor in northern Peru which includes important Miocene high sulfidation gold deposits and districts (Yanacocha, Alto Chicama), sandstone-hosted gold deposits (La Arena, Santa Rosa) and porphyry copper-gold deposits (Michiquillay, Conga, Cerro Corona, among others) - see Figure 1). Perhaps equally significantly, drainages (especially the Río Chicama-Río Santa Ana) and structural trends (trans-Andean faults shown on Figure 1) appear to define a cross-cutting northeasterly trend which has been termed the *Corredor Estructural Chicama-Yanacocha* (Quiroz, 1987). This cross-cutting trend contains Yanacocha, Cerro Corona, Michiquillay, Sipán, Tantahuatay, and others. La Sorpresa and Pario Paula lie near the SE boundary of the cross-cutting trend and the SW boundary of the main Andean-trending corridor.

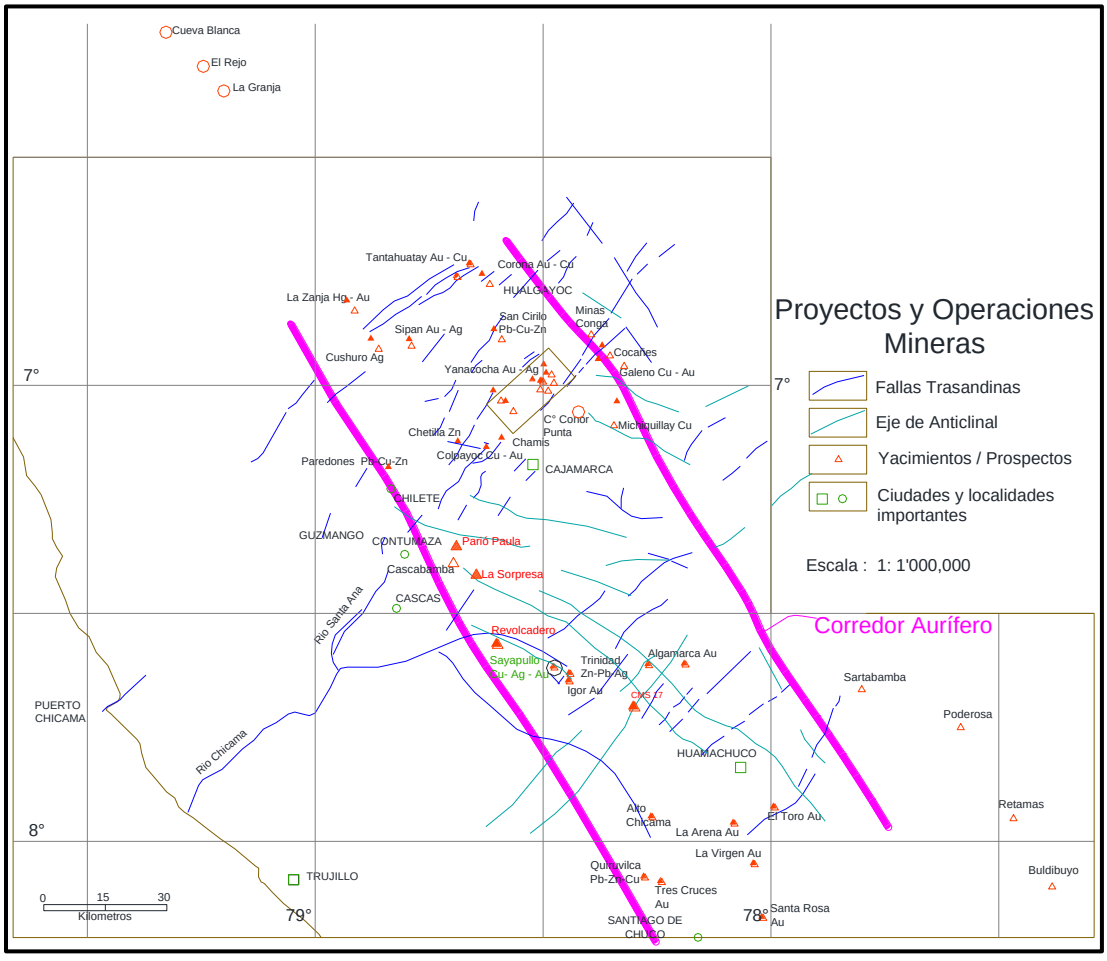

Figure 1. Location of La Sorpresa and Pario Paula in relation to other deposits and prospects in northern Perú

Relative positions of the two prospects are shown on Figure 2. Coordinates are UTM, and although the datum is not stated, it is believed to be WGS 56. The La Sorpresa property is a rectangular area measuring 3 km N-S by 2 km E-W, or 600 hectares, identified as 01-00133-08. Pario Paula is described as 796 hectares, code 010013208. The coordinates of the vertices in the Pario Paula report are obviously wrong since they give an area of only 100 hectares and do not cover the sampled area, however the owners later supplied a second set of coordinates for six vertices which give the correct area and cover the area sampled. It is not clear whether the coordinates in the report are a mistake, or whether they refer to an additional, smaller claim which adjoins the main one to the south. Figure 2 shows the two prospects, with the Pario Paula claim boundaries according to the original and amended coordinates shown in blue and red respectively.

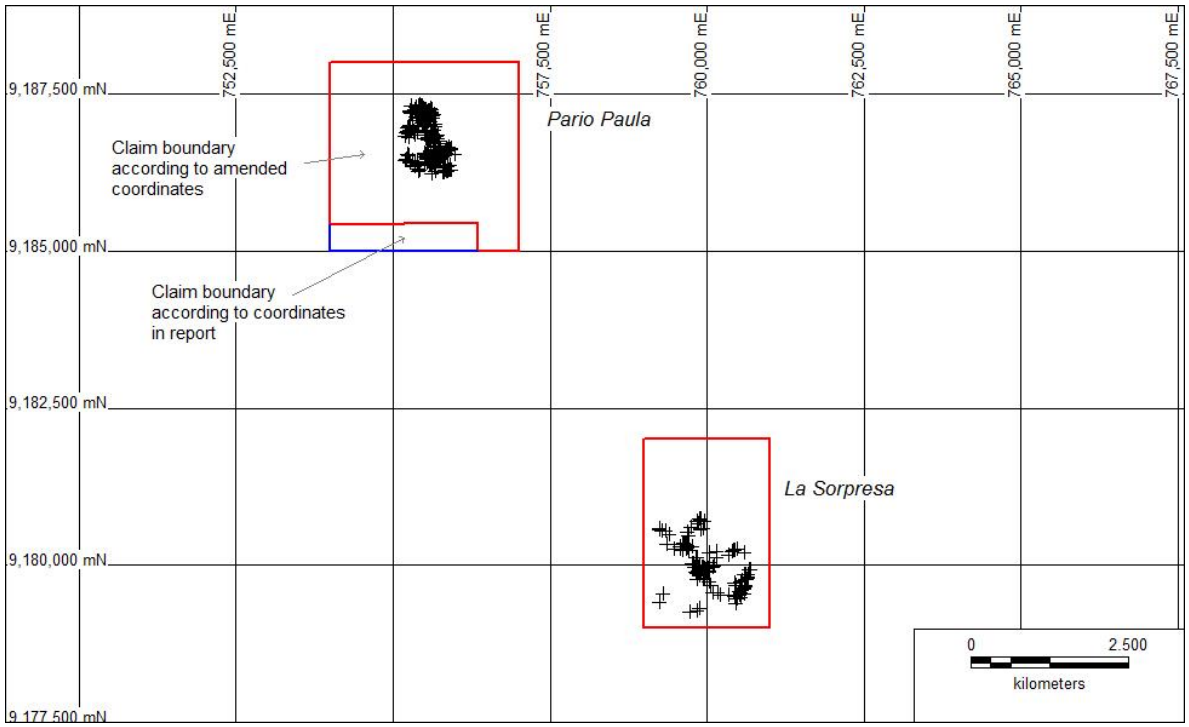

Figure 2. La Sorpresa and Pario Paula sample coverage (black crosses) and claim boundaries. (See text for explanation of Pario Paula boundaries)

2. La Sorpresa

The La Sorpresa prospect is hosted in sandstones of the Chimu Group, and associated with faults which trend N 40° E, however the overall trend of the anomalies is north westerly (Figure 3), perhaps supporting the importance of these two trends. Unfortunately the geological maps in the report are reduced to an illegible scale, however, many photos show vuggy silica and iron oxides associated with anomalous gold values (e.g. Figure 4).

The report contains tables showing assays for Au, Ag and pathfinder elements and another table showing their coordinates and elevations. These tables have been combined to show Au, Ag, As

and Cu (Appendix 1), and Figure 3 is a thematic map showing distribution of anomalous gold values. Thirty three samples assayed above 0.1 ppm Au, and ten were above 1 ppm, with a peak of 8.16 ppm gold (see Figure 4). Anomalous gold correlates strongly with arsenic, but silver and copper are generally low. There are three groupings of anomalous gold assays spread over a distance of about 1.5 km, with the largest group comprising a central triangular area measuring about 500 by 300m (Figure 3). Samples in the prospect are spread over a vertical range of over 400m, between 3650 and 4075m.

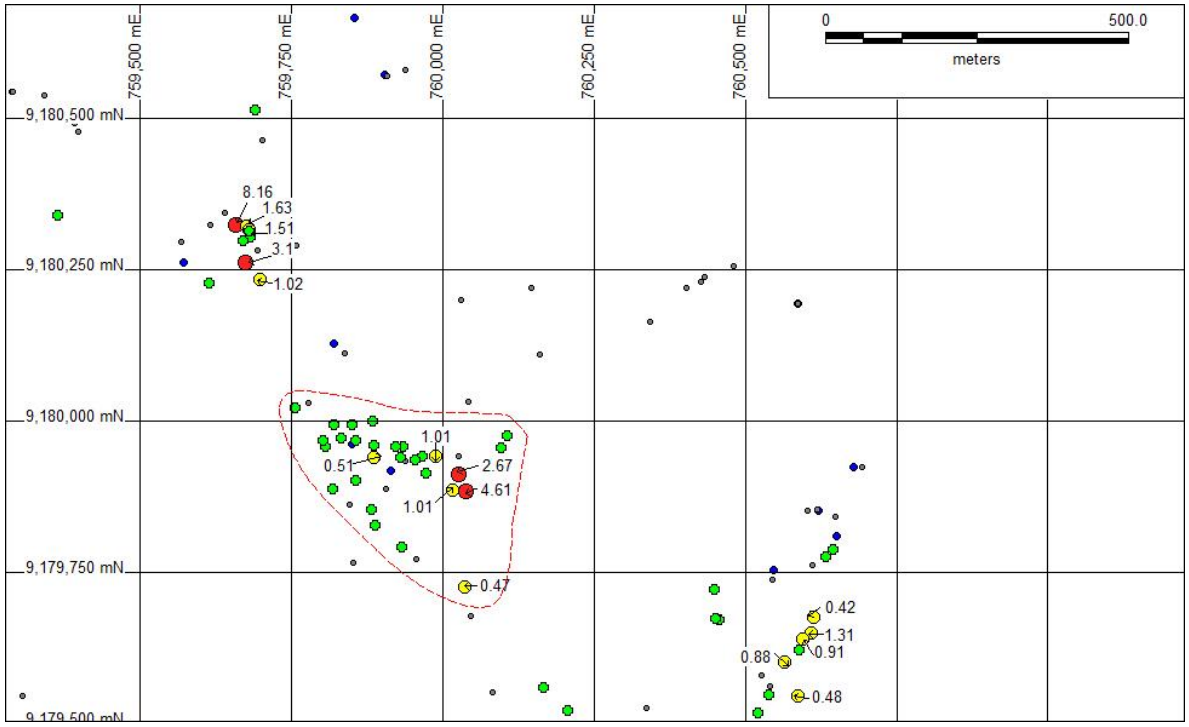

Figure 3. La Sorpresa anomalous gold in surface samples. (red = >2.67, yellow = 0.42-2.67, Green = 0.03-0.42, blue = 0.02-0.03, grey = <0.02 ppm Au)

Figure 4. La Sorpresa, vuggy silica and Fe oxide: sample 81-10 reported at 8.6 ppm Au, 1790 ppm As (see Appendix 1)

3. Pario Paula

Pario Paula is described as a diatreme breccia, measuring 700 by 500m, emplaced in and brecciating sandstone and shale of the Chimu Group. The dominant alteration is quartz-sericite, but jarosite, kaolinite, pyrophyllite and diaspore suggest a high sulfidation system.

The sample and assay database comprises 249 samples of which 35 assayed above 0.1 ppm Au and five above 1 ppm, with a top value of 3.17 ppm. Arsenic and copper correlate with gold, although the Au/As correlation is not as marked as at La Sorpresa. The anomaly is aligned NNW (Figure 5), with the best values reportedly on the margins of the breccia. The samples were taken at elevations ranging between 3250 and 3640m, i.e. several hundred meters lower than La Sorpresa. The anomalous area is bounded by a perimeter of about 700 by 200m. Results for Au, Ag, As and Cu are shown in Appendix 2.

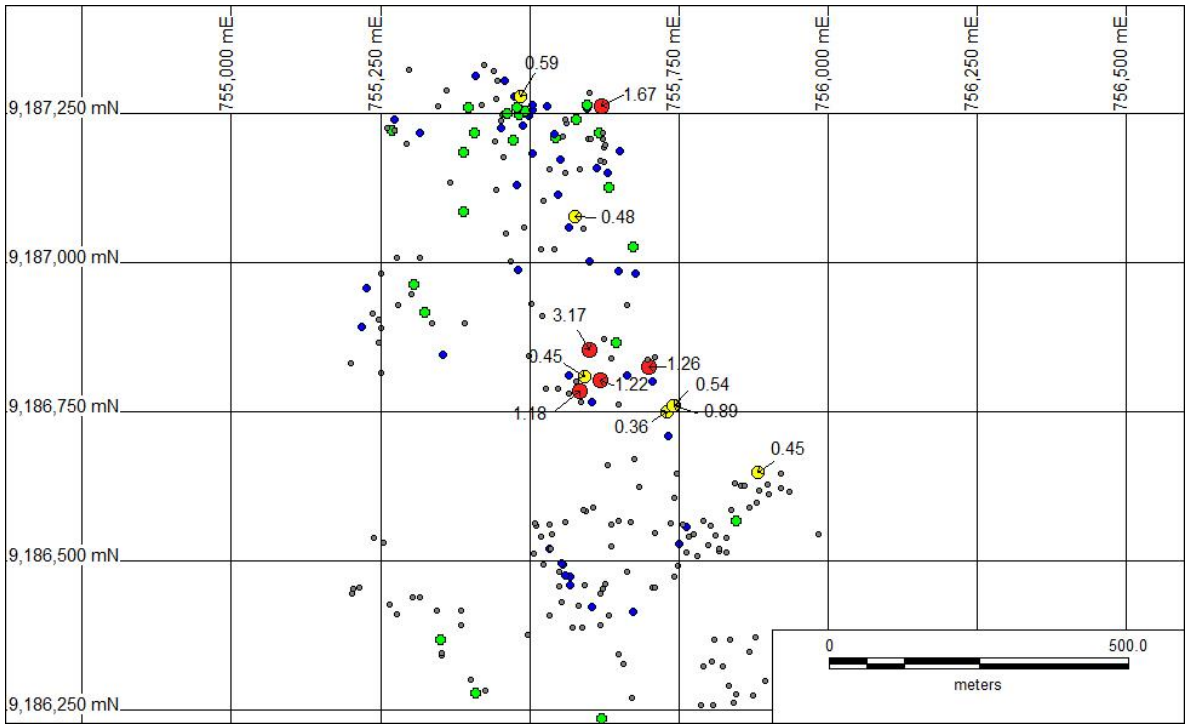

Figure 5. Pario Paula anomalous gold in surface samples (red = > 1.18, yellow = 0.36-1.18, green = 0.1-0.36, blue = 0.03-0.1, grey = <0.03 ppm Au).

Figure 6. Pario Paula sandstone breccia: sample 974-12 (1.67 ppm Au)

4. Comments

La Sorpresa and Pario Paula are located in a part of Perú which contains important high sulfidation epithermal gold as well as major porphyry copper-gold systems. La Sorpresa is a high sulfidation prospect displaying vuggy silica derived from extreme acid leaching which is typical of this type of deposit. Pario Paula is a diatreme breccia 8 km north west, which also has a high sulfidation signature, though possibly deeper and higher temperature than La Sorpresa as suggested by pyrophyllite and diaspore, and by the lower elevation. Both prospects have anomalous to scattered 'commercial' gold values. On the basis of the information provided, both appear to be well worth further investigation, with priority given to La Sorpresa.

D Shatwell

Lima, September 12, 2014

Appendix 1. La Sorpresa rock chip values, sorted according to Au grade.

Sample	E	N	RL	Au ppm	As ppm	Cu ppm	Ag ppm
78 – 10	759568	9180296	3942	0	18	15	<0.2
124	759850	9179262	3647	0.005	0	0.12	2
122	759735	9179254	3661	0.005	0	0.12	2
126	760083	9179552	3675	0.005	0	0.15	2
933	760603	9179852	3692	0.005	40	4	0.1
200	760587	9180194	3694	0.005	0	1	2
202	760481	9180256	3695	0.005	30	1	2
909	760481	9179466	3703	0.005	6	1	0.1
198	760433	9180238	3717	0.005	15	1	2
140	760030	9180200	3718	0.005	0	0.15	2
194	760403	9180220	3720	0.005	25	1	2
195	760403	9180220	3720	0.005	28	1	2
196	760427	9180230	3723	0.005	20	1	2
910	760544	9179482	3726	0.005	24	24	0.1
206	760147	9180220	3744	0.005	15	1	2
205	760160	9180110	3750	0.005	15	1	2
193	760343	9180164	3754	0.005	30	1	2
148	759902	9180736	3765	0.005	0	0.12	2
139	759837	9180112	3773	0.005	0	0.18	2
211	759837	9180112	3773	0.005	32	1	2
209	760046	9179678	3774	0.005	28	1	33
149	759894	9180708	3781	0.005	0	0.12	2
150	759878	9180736	3781	0.005	0	0.15	2
138	759819	9180128	3783	0.005	0	0.14	2
138 A	759819	9180128	3783	0.005	0	0.1	2
913	760541	9179562	3784	0.005	201	16	0.1
131	759851	9179766	3791	0.005	0	0.1	2
151	759839	9180694	3805	0.005	0	0.1	2
146	759937	9180580	3811	0.005	0	0.1	2
924	760544	9179738	3811	0.005	18	2	0.1
207	760025	9179942	3817	0.005	30	1	2
208	759956	9179772	3817	0.005	20	1	2
145	759908	9180570	3830	0.005	0	0.12	2
192	759905	9179888	3845	0.005	30	1	2
153	759740	9180598	3848	0.005	0	0.12	2
120	759253	9179404	3871	0.005	0	0.1	2
156	759694	9180282	3877	0.005	0	0.12	2
119	759305	9179546	3896	0.005	0	0.1	2
155	759701	9180464	3899	0.005	0	0.12	2
218	759289	9180544	4040	0.005	32	1	2

217	759287	9180544	4043	0.005	20	1	2
219	759239	9180582	4043	0.005	20	1	2
215	759342	9180538	4065	0.005	28	1	9
213	759398	9180478	4068	0.005	28	1	2
214	759392	9180492	4076	0.005	28	1	56.48
935	760693	9179924	3698	0.006	45	5	0.1
932	760618	9179854	3706	0.007	202	139	0.1
39 – 10	760526	9179580	3792	0.007	287	122	<0.2
930	760648	9179842	3702	0.008	55	10	0.1
907	760449	9179492	3700	0.009	185	34	0.1
801 – 11	759777	9180030	3773	0.01	27	3	0.3
220	759252	9180560	4040	0.01	30	1	<10
41 – 10	759758	9180290	3856	0.011	190	16	0.2
79 – 10	759616	9180324	3938	0.012	103	5	<0.2
953	760041	9180032	3791	0.013	144	8	0.1
789 – 11	759937	9179934	3833	0.013	75	26	<0.2
80 – 10	759639	9180344	3932	0.013	29	4	<0.2
925	760611	9179762	3766	0.015	66	21	0.1
908	760336	9179526	3705	0.016	126	14	0.1
938	759845	9179862	3837	0.019	16	5	0.1
794 – 11	759849	9179962	3827	0.02	376	14	0.6
144	759903	9180572	3842	0.02	0	0.1	2
210	759819	9180128	3783	0.02249	120	1	2
125	759885	9179302		0.02249	0	0.1	2
201	760587	9180194	3694	0.0228	28	1	2
931	760620	9179852	3699	0.023	234	116	0.1
929	760651	9179810	3712	0.024	671	22	0.1
152	759853	9180666	3812	0.02498	0	0.12	2
934	760678	9179924	3686	0.025	19	127	0.1
44 – 10	759572	9180262	3914	0.025	26	4	0.2
923	760546	9179754	3900	0.026	130	15	0.1
943	759913	9179918	3836	0.029	488	12	0.1
46 – 10	759363	9180340	3937	0.032	142	27	0.4
940	759855	9179902	3827	0.037	236	9	0.1
85 – 10	759680	9180314	3898	0.039	329	36	0.3
45 – 10	759466	9180252	3924	0.043	201	26	1.8
191	759882	9179854	3834	0.045	33	1	2
926	760632	9179776	3731	0.049	211	30	3.2
800 – 11	759756	9180022	3776	0.051	127	13	0.6
43 – 10	759613	9180228	3900	0.051	169	9	<0.2
919	760457	9179672	3848	0.053	230	18	0.1
911	760520	9179518	3756	0.055	1380	20	0.2
921	760449	9179722	3865	0.056	252	25	0.3

916	760589	9179622	3776	0.057	227	6	0.1
948	759972	9179914	3827	0.06	281	72	0.1
793 – 11	759886	9179960	3810	0.062	262	176	0.2
912	760539	9179548	3764	0.064	314	27	0.4
951	760097	9179956	3812	0.064	474	28	0.1
790 – 11	759930	9179940	3819	0.064	325	23	0.3
791 – 11	759953	9179936	3821	0.077	582	67	0.5
939	759887	9179828	3831	0.087	476	29	0.1
86 – 10	759670	9180298	3895	0.09	94	16	0.2
945	759934	9179958	3815	0.092	627	56	0.1
154	759690	9180514	3898	0.09492	0	0.15	2
127	760167	9179560	3678	0.09495	0	0.1	2
798 – 11	759801	9179968	3793	0.099	343	11	0.5
797 – 11	759805	9179958	3801	0.132	589	44	0.4
941	759931	9179792	3810	0.136	603	28	0.1
129	760467	9179390	3660	0.15498	0	0.12	2
147	759948	9180702	3780	0.1624	0	0.22	2
944	759922	9179958	3810	0.167	616	96	0.1
937	759818	9179888	3836	0.169	135	11	0.2
128	760206	9179522	3644	0.16997	0	0.1	2
795 – 11	759855	9179968	3798	0.194	1265	118	1.2
796 – 11	759832	9179972	3783	0.196	863	39	0.5
952	760107	9179976	3805	0.206	605	53	0.6
802 – 11	759884	9180000	3776	0.207	1230	119	0.3
920	760450	9179674	3847	0.208	666	27	1.2
799 – 11	759820	9179994	3779	0.219	726	142	0.5
927	760644	9179788	3721	0.267	1110	80	0.3
84 – 10	759682	9180304	3895	0.27	2780	82	2.6
946	759966	9179942	3821	0.294	1520	197	0.1
804 – 11	759850	9179994	3772	0.297	877	75	1.6
936	760613	9179676	3794	0.42	869	21	0.1
942	760035	9179726	3802	0.471	562	7	1.4
914	760587	9179546	3771	0.48	997	30	1.1
792 – 11	759886	9179940	3807	0.509	1255	110	0.2
915	760564	9179602	3807	0.875	5290	82	9.8
918	760595	9179640	3805	0.91	1220	42	0.1
954	759987	9179942	3813	1.01	1210	568	178
949	760016	9179886	3832	1.01	1070	119	2.3
42 – 10	759698	9180234	3858	1.02	2810	297	14.6
917	760608	9179650	3803	1.31	1050	245	1.5
83 – 10	759679	9180316	3904	1.505	3580	311	11.1
82 – 10	759676	9180322	3912	1.625	2930	330	3.7
950	760026	9179912	3824	2.67	1330	132	2.9

87 – 10	759673	9180262	3876	3.1	6040	320	4.6
947	760038	9179884	3833	4.61	3530	264	2.9
81 – 10	759657	9180324	3912	8.16	1790	276	1.3

Appendix 2. Pario Paula rock chip values, sorted according to Au grade

Sample	E	N	RL	Au ppm	Ag ppm	As ppm	Cu ppm
165	755672	9186270	3371	0	0	14	0.1
166	755657	9186328	3385	0	0	14	0.18
167	755649	9186344	3391	0	0	14	0.12
168	755633	9186408	3399	0	0	14	0.15
169	755619	9186446	3416	0	0	14	0.1
171	755535	9186520	3433	0	0	14	0.18
315	755425	9186284	3326	0.003	0.1	30	0.5
316	755353	9186346	3333	0.003	0.1	30	0.5
320	755277	9186410	3335	0.003	0.1	28	0.5
322	755204	9186454	3341	0.003	0.1	30	0.5
319	755345	9186418	3345	0.003	0.1	30	0.5
267	755315	9186440	3347	0.003	0.1	35	0.5
323	755238	9186538	3351	0.003	0.1	32	0.5
879	755315	9186440	3360	0.003	0.2	80	15
265	755386	9186418	3363	0.003	0.1	32	0.5
268	755214	9186456	3367	0.003	0.1	30	0.5
269	755256	9186530	3376	0.003	0.1	30	0.5
349	755709	9186456	3382	0.003	0.1	31	0.5
785	755933	9186294	3263	0.004	0.1	48	9
787	755895	9186300	3271	0.004	0.1	5	43
786	755910	9186292	3275	0.004	0.1	67	18
781	755911	9186362	3275	0.004	0.1	80	30
788	755874	9186274	3281	0.004	0.4	12	21
782	755878	9186372	3282	0.004	0.2	20	14
767	755936	9186616	3285	0.004	0.1	779	36
780	755869	9186348	3290	0.004	0.5	139	47
778	755834	9186292	3298	0.004	0.5	47	37
775	755808	9186258	3306	0.004	0.1	11	32
774	755788	9186258	3316	0.004	0.1	20	66
748	755868	9186590	3317	0.004	0.1	54	6
734	755743	9186606	3341	0.004	0.1	21	22
758	755749	9186492	3351	0.004	0.4	34	14
720	755669	9186566	3397	0.004	0.2	114	8
348	755591	9186586	3420	0.004	0.1	30	0.5
276	755251	9186816	3477	0.004	0.1	27	0.5
161-12	755599	9187206	3478	0.004	0	53	13

277	755201	9186832	3480	0.004	0.1	25	0.5
344	755522	9186910	3483	0.004	0.1	29	0.5
343	755502	9186930	3495	0.004	26.48	30	0.5
342	755468	9187002	3530	0.004	43.64	29	0.5
341	755491	9187058	3536	0.004	0.1	30	0.5
291	755280	9186928	3549	0.004	0.1	25	0.5
311	755297	9187322	3560	0.004	0.1	30	0.5
290	755460	9187048	3574	0.004	0.1	32	0.5
310	755360	9187288	3580	0.004	0.1	15	0.5
340	755446	9187304	3588	0.004	0.1	25	0.5
338	755452	9187238	3592	0.004	0.1	15	0.5
335	755456	9187176	3597	0.004	0.1	32	0.5
336	755441	9187202	3600	0.004	0.1	30	0.5
334	755443	9187122	3601	0.004	0.1	35	0.5
339	755443	9187274	3603	0.004	0.1	18	0.5
307	755419	9187264	3616	0.004	0.1	28	0.5
294	755367	9187134	3625	0.004	0.1	28	0.5
306	755294	9187198	3636	0.004	0.1	15	0.5
304	755273	9187222	3636	0.004	0.1	32	0.5
771	755809	9186368	3293	0.005	0.5	103	17
763	755901	9186612	3302	0.005	0.1	82	11
777	755846	9186276	3305	0.005	0.1	56	31
197-12	755518	9187022	3525	0.005	0	70	10
756	755881	9186598	3323	0.006	0.1	475	20
769	755829	9186514	3329	0.006	0.4	201	16
732	755710	9186548	3346	0.006	0.1	93	11
725	755676	9186670	3387	0.006	0.2	108	40
133-12	755710	9186841	3403	0.006	0	11	7
317	755528	9186788	3434	0.006	0	25	12
165-12	755560	9187149	3502	0.006	0	31	32
960	755554	9186432	3414	0.007	0.1	48	10
975	755537	9186544	3430	0.007	0.1	5	10
975-12	755622	9187206	3434	0.007	0	80	33
137-10	755247	9186866	3497	0.007	0.1	15	22
784	755983	9186544	3252	0.008	0.2	62	18
772	755805	9186332	3301	0.008	0.1	82	33
761	755898	9186628	3304	0.008	0.3	205	36
866	755353	9186342	3334	0.008	0.2	10	35
865	755385	9186392	3352	0.008	0.2	47	16
739	755766	9186540	3353	0.008	0.2	54	11
159-12	755602	9187206	3472	0.008	0	12	68
185-12	755423	9187330	3585	0.008	0	86	33
766	755922	9186646	3288	0.009	0.2	75	18

755	755855	9186626	3325	0.009	0.1	46	13
742	755799	9186526	3347	0.009	0.4	117	12
738	755775	9186544	3360	0.009	0.1	768	18
724	755683	9186624	3389	0.009	0.1	48	8
728	755649	9186568	3393	0.009	0.4	75	19
319	755565	9186780	3424	0.009	0	110	14
776	755841	9186262	3298	0.01	0.1	10	18
745	755860	9186626	3325	0.01	0.1	84	45
131-10	755247	9186904	3507	0.01	0.1	11	20
198-12	755542	9187022	3516	0.01	0	105	15
779	755824	9186324	3304	0.011	0.1	110	24
743	755811	9186542	3333	0.011	0.1	143	29
770	755817	9186516	3340	0.011	0.1	169	16
741	755762	9186514	3350	0.011	0.8	157	16
876	755304	9186440	3351	0.011	0.2	31	18
877	755266	9186428	3353	0.011	0.2	18	12
757	755742	9186474	3367	0.011	0.1	72	13
318	755585	9186767	3412	0.011	0	158	14
128-12	755577	9186800	3417	0.011	0	112	24
760	755885	9186618	3310	0.012	0.1	174	21
733	755804	9186560	3335	0.012	0.6	194	18
716	755636	9186524	3408	0.012	0.3	157	20
126-12	755547	9186788	3426	0.012	0.2	823	184
150-12	755623	9187216	3445	0.012	0	17	18
111-10	755262	9187226	3637	0.012	0.1	57	27
783	755835	9186368	3288	0.013	0.5	316	33
746	755843	9186630	3301	0.013	0.1	152	32
130-12	755648	9186762	3402	0.013	0	54	19
723	755630	9186660	3410	0.013	0.3	85	26
152-12	755600	9187283	3447	0.013	0	35	32
160-12	755618	9187170	3467	0.013	0	258	31
119-10	755251	9186982	3551	0.013	0.1	143	54
765	755920	9186622	3297	0.014	0.3	39	16
181-12	755590	9187056	3493	0.014	0	278	38
122-10	755301	9186946	3551	0.014	0.1	67	15
735	755757	9186562	3346	0.015	0.1	106	17
990	755623	9186454	3418	0.015	0.4	112	21
321	755636	9186840	3419	0.015	0	63	15
974	755509	9186564	3438	0.015	0.1	32	12
158-12	755624	9187192	3453	0.015	0	113	27
191-12	755455	9187247	3599	0.015	0	77	26
749	755838	9186586	3332	0.016	0.4	362	28
867	755401	9186302	3341	0.016	0.5	30	31

721	755637	9186562	3400	0.016	0.1	56	11
134-12	755663	9186929	3431	0.016	0	17	22
163-12	755584	9187157	3487	0.016	0	48	6
132-10	755392	9186898	3500	0.016	0.1	110	15
174-12	755534	9187156	3525	0.016	0	21	35
773	755791	9186324	3308	0.017	0.1	142	84
737	755791	9186568	3335	0.017	0.1	35	11
984	755533	9186562	3425	0.017	0.1	62	15
162-12	755559	9187240	3508	0.017	0	17	34
722	755606	9186590	3422	0.018	0.1	119	25
973	755519	9186540	3434	0.018	0.1	21	11
731	755747	9186646	3355	0.019	0.1	94	30
715	755627	9186462	3390	0.019	0.1	163	19
729	755664	9186482	3392	0.019	0.1	149	12
959	755581	9186426	3411	0.019	0.3	233	24
961	755549	9186458	3422	0.019	0.1	65	16
759	755780	9186508	3348	0.02	0.3	72	20
968	755550	9186482	3432	0.02	0.1	13	13
172	755511	9186560	3435	0.02	0	14	0.12
151-12	755626	9187197	3443	0.02	0	24	16
125-12	755499	9186844	3459	0.02	0	89	26
157-12	755624	9187168	3464	0.02	0	42	11
957	755572	9186388	3402	0.021	0.5	52	14
962	755534	9186408	3405	0.021	0.1	27	11
324	755625	9186872	3415	0.021	0	14	12
969	755524	9186494	3421	0.021	0.5	43	39
970	755507	9186512	3424	0.021	0.1	31	22
123-10	755236	9186914	3513	0.021	0.1	98	30
127-10	755251	9186890	3521	0.021	0.1	26	33
964	755496	9186376	3388	0.022	0.2	8	9
166-12	755556	9187211	3513	0.022	0	233	75
193-12	755523	9187103	3559	0.022	0	70	19
117-10	755278	9187008	3560	0.022	0.1	114	28
118-10	755315	9187008	3567	0.022	0.1	134	28
309	755346	9187262	3601	0.022	0.1	15	0.5
750	755830	9186538	3327	0.023	1.2	50	12
751	755818	9186520	3337	0.023	1.8	458	21
878	755203	9186446	3350	0.023	0.2	40	7
714	755705	9186456	3397	0.023	0.2	60	28
972-12	755561	9187234	3449	0.023	0.3	31	60
128-10	755336	9186898	3529	0.023	0.1	96	37
323	755698	9186837	3401	0.024	0	379	56
736	755736	9186564	3332	0.025	0.1	58	16

987	755559	9186566	3421	0.025	0.1	55	30
989	755594	9186584	3421	0.025	0.1	91	27
186-12	755440	9187320	3582	0.025	0	51	44
955	755618	9186392	3402	0.027	0.5	75	25
956	755589	9186388	3408	0.027	0.1	82	22
965	755593	9186460	3430	0.029	0.1	112	21
149-12	755650	9187186	3442	0.031	0.2	60	40
963	755567	9186460	3423	0.032	0.1	118	20
170	755556	9186494	3431	0.032	0	14	0.12
971	755554	9186496	3431	0.033	1	165	24
965-12	755678	9186982	3449	0.034	0	36	18
195-12	755566	9187058	3529	0.034	0	70	74
168-12	755541	9187215	3532	0.034	0	154	67
131-12	755706	9186800	3395	0.035	0	24	31
320	755664	9186810	3413	0.035	0	62	144
194-12	755547	9187114	3544	0.035	0	76	35
970-12	755630	9187149	3467	0.036	0	124	10
179-12	755479	9187130	3573	0.036	0	20	44
192-12	755451	9187225	3606	0.036	0	95	41
171-12	755505	9187256	3550	0.038	0	128	30
971-12	755613	9187158	3472	0.039	0	156	50
113-10	755273	9187240	3627	0.04	0.1	62	45
129-12	755605	9186766	3408	0.041	0	24	27
169-12	755529	9187261	3536	0.041	0	315	69
135-10	755219	9186892	3510	0.042	0.1	84	5
967	755560	9186476	3429	0.045	0.1	158	30
114-10	755316	9187216	3630	0.045	0.1	5	39
164-12	755552	9187173	3500	0.046	0	283	60
712	755674	9186416	3393	0.048	0.1	13	20
958	755604	9186424	3414	0.049	0.1	27	26
966	755568	9186474	3422	0.049	0.1	67	32
727	755732	9186710	3358	0.052	0.4	191	137
170-12	755504	9187263	3545	0.052	0	55	17
199-12	755600	9187001	3485	0.055	0	84	11
972	755534	9186520	3433	0.057	0.1	84	85
196-12	755480	9186987	3533	0.058	0	363	76
316	755566	9186810	3423	0.061	0.2	618	36
136-10	755354	9186846	3473	0.062	0.2	299	19
155-12	755597	9187257	3477	0.063	0	27	54
188-12	755459	9187304	3570	0.063	0	27	10
173-12	755505	9187183	3546	0.065	0	116	38
740	755750	9186528	3352	0.066	0.7	54	33
180-12	755648	9186985	3459	0.067	0	64	40

184-12	755474	9187277	3570	0.072	0	12	66
187-12	755410	9187312	3572	0.073	0	12	39
175-12	755489	9187229	3564	0.074	0	31	106
744	755762	9186558	3335	0.077	0.1	118	15
172-12	755499	9187246	3553	0.085	0	150	22
121-10	755226	9186958	3529	0.095	0.1	143	46
189-12	755473	9187204	3552	0.103	0	11	63
966-12	755674	9187027	3445	0.104	0.2	315	59
154-12	755597	9187263	3469	0.11	0	33	38
156-12	755616	9187216	3474	0.113	0.4	2470	172
167-12	755543	9187208	3521	0.113	0.2	172	26
317	755350	9186368	3337	0.12	0.1	32	0.5
190-12	755462	9187250	3579	0.124	0	65	43
967-12	755632	9187126	3469	0.147	0	157	60
178-12	755493	9187254	3561	0.153	0	36	65
120-10	755306	9186964	3557	0.154	0.1	201	33
176-12	755483	9187247	3572	0.158	0	18	61
327	755644	9186866	3409	0.16	0	132	52
868	755410	9186280	3351	0.166	0.2	49	51
183-12	755479	9187259	3567	0.19	0	86	43
109-10	755390	9187184	3636	0.198	0.1	63	106
163	755621	9186236	3363	0.205	0	14	0.1
292	755390	9187086	3600	0.207	0.1	15	0.5
106-10	755408	9187216	3629	0.212	0.1	159	88
308	755397	9187260	3614	0.222	0.1	15	0.5
973-12	755578	9187240	3492	0.256	0	34	5
730	755846	9186568	3333	0.269	0.4	89	35
112-10	755270	9187222	3637	0.281	0.6	1050	76
124-10	755324	9186916	3525	0.297	0.1	496	132
990-12	755731	9186750	3361	0.363	0	86	104
322	755592	9186808	3413	0.451	0	102	9
747	755883	9186648	3323	0.452	0.1	88	79
182-12	755575	9187077	3520	0.478	0	42	10
962-12	755741	9186761	3351	0.538	0	150	177
177-12	755484	9187277	3562	0.594	0.2	95	35
726	755742	9186760	3364	0.893	0.1	184	173
127-12	755584	9186784	3414	1.18	0.3	4120	187
326	755619	9186802	3405	1.22	0.3	424	78
132-12	755700	9186825	3401	1.26	0.2	19	63
974-12	755621	9187262	3438	1.665	0	51	109
325	755600	9186854	3415	3.17	0.6	28	282