

Table 2. Summary of principal assessment results

Tract no. ¹	Host-rock age ²	Ages of dated deposits and prospects, Ma	Estimated number of undiscovered deposits ³ and calculated statistics						No. of discovered deposits	Total deposits ⁷	Area of tract in km ²	Total deposits/100,000 km ²	Total discovered Cu reserves and resources in 1,000t	Mean estimated undiscovered Cu in 1,000t	Cu endowment = discovered + undiscovered in 1,000t	Mean estimated undiscovered Cu in t/km ²	Mean estimated undiscovered Mo in 1,000t	Mean estimated undiscovered Mo in t/km ²	Mean estimated undiscovered Au in t	Mean estimated undiscovered Au in t/km ²	Mean estimated undiscovered Ag in t	Mean estimated undiscovered Ag in t/km ²	Mean estimated mineralized rock, million t ⁸	% undiscovered Cu ⁹
			90	50	10	m ⁴	s ⁵	Cv% ⁶																
01	Paleocene–Eocene	38-55	3	8	19	9.6	5.9	61	2	12	51,613	23	10,000	33,000	43,000	640	810	16	790	0.015	11,000	0.21	6,400	77%
02	Jurassic	144	1	3	5	2.9	1.5	52	0	2.9	26,631	11	0	9,700	9,700	360	240	9	230	0.0086	3,100	0.12	1,900	100%
03	Jurassic	141-166	6	11	20	12	5.3	44	5	17	67,709	25	9,000	40,000	49,000	590	980	14	970	0.014	13,000	0.19	7,800	82%
04	Cretaceous	131	1	2	4	2.2	1.2	55	0	2.2	10,968	20	0	7,700	7,700	700	190	17	180	0.016	2,600	0.24	1,500	100%
05	Miocene	7-20	6	11	19	12	4.9	41	4	16	58,797	27	4,100	39,000	43,000	660	970	16	950	0.016	13,000	0.22	7,700	91%
06	middle–late Miocene	7-20	8	13	25	15	6.5	43	12	27	53,186	51	47,000	49,000	96,000	920	1,200	23	1,200	0.023	16,000	0.30	9,700	51%
07	Cretaceous		1	3	8	3.8	2.6	68	2	5.8	107,297	5	600	14,000	15,000	130	340	3	320	0.0030	4,200	0.039	2,700	93%
08	Paleocene–Eocene	51-64	6	11	22	12	6.0	50	12	24	69,087	35	55,000	43,000	98,000	620	1,100	16	1,000	0.014	14,000	0.20	8,400	44%
09	Eocene–Oligocene	31-38	3	5	9	5.4	2.4	44	6	11	30,154	36	13,000	19,000	32,000	630	470	16	440	0.015	6,200	0.21	3,700	59%
10a,b	Eocene–Oligocene	31-44	3	5	11	6.0	3.1	52	10	16	25,690	62	250,000	210,000	460,000	8,200	6,300	250	1,300	0.051	70,000	2.7	27,000	46%
11	Eocene–Oligocene	29-31	0	1	3	1.3	1.2	92	1	2.3	2,429	95	3,000	4,200	7,200	1,700	100	41	100	0.041	1,400	0.58	810	58%
12	Eocene–Oligocene	34	2	4	8	4.5	2.3	51	1	5.5	6,913	80	3,000	15,000	18,000	2,200	360	52	360	0.052	4,700	0.68	2,900	83%
13a	Miocene–Pliocene	14-15	4	8	24	11	7.5	68	1	12	70,587	17	2,900	38,000	41,000	540	950	13	910	0.013	13,000	0.18	7,500	93%
13b	Miocene–Pliocene	10-13	3	6	11	6.4	3.0	47	2	8.4	41,799	20	26,000	22,000	48,000	530	560	13	520	0.012	7,000	0.17	4,300	46%
13c	Miocene–Pliocene		1	2	4	2.2	1.2	55	0	2.2	5,767	38	0	7,700	7,700	1,300	190	33	190	0.033	2,500	0.43	1,500	100%
13d	Miocene		0	1	3	1.3	1.2	92	0	1.3	63,233	2	0	4,500	4,500	71	110	2	110	0.0017	1,400	0.022	880	100%
14a	late Miocene–early Pliocene	14	2	4	13	6.0	4.2	70	2	8.0	21,721	37	2,100	21,000	23,000	970	520	24	480	0.022	6,500	0.30	4,000	91%
14b	late Miocene–early Pliocene	5-6	1	2	3	1.9	0.84	44	2	3.9	9,284	42	150,000	69,000	220,000	7,400	2,000	220	440	0.047	24,000	2.6	8,900	31%
14c	late Miocene–early Pliocene	6-9	3	5	8	5.1	2.0	39	3	8.1	24,048	34	12,000	17,000	29,000	710	440	18	390	0.016	5,400	0.22	3,400	59%
14d	late Miocene–early Pliocene	4	1	3	7	3.5	2.3	66	1	4.5	5,770	78	1,100	12,000	13,000	2,100	320	55	290	0.050	4,100	0.71	2,400	92%
15	Late Cretaceous–middle Eocene	45-61	1	2	11	4.3	3.9	91	1	5.3	83,204	6	950	15,000	16,000	180	360	4	340	0.0041	4,700	0.056	2,900	94%
16a,b	Permian	252-292	2	3	6	3.5	1.6	46	2	5.5	29,080	19	1,900	12,000	14,000	410	290	10	280	0.0096	3,800	0.13	2,300	86%
17	Cretaceous	118-137	3	6	12	6.7	3.4	51	0	6.7	77,511	9	0	23,000	23,000	300	560	7	550	0.0071	7,200	0.093	4,400	100%
18	Permian	252-292	1	2	4	2.2	1.2	55	0	2.2	17,765	12	0	7,500	7,500	420	190	11	170	0.0096	2,500	0.14	1,500	100%
19	Late Triassic–Middle Jurassic	200	0	1	4	1.6	1.5	94	0	1.6	45,642	4	0	5,900	5,900	130	150	3	140	0.0031	2,100	0.046	1,100	100%
20	Cretaceous		0	2	5	2.3	1.8	78	0	2.3	223,011	1	0	7,800	7,800	35	180	1	190	0.00085	2,500	0.011	1,500	100%
TOTALS						145			69	214	1,228,896		590,000	750,000	1,300,000		20,000		13,000		250,000		130,000	

¹SA prefixes and PC suffixes have been removed from tract identification numbers to save space. ²Age of the magmatic arc rocks hosting, or potentially hosting, porphyry copper deposits, and whose spatial distribution, projected to 1 km depth, defines the tract boundary. IUGS epochs and periods are from International Commission on Stratigraphy (2000). ³Consensus estimates of numbers of undiscovered deposits at the 90th, 50th, and 10th percentiles. ⁴Calculated mean of consensus estimates of number of undiscovered deposits. ⁵Calculated standard deviation. ⁶Calculated coefficient of variation, in percent. ⁷Sum of the number of discovered deposits and of the calculated mean of the consensus estimates of undiscovered deposits. ⁸Mean estimated mineralized rock containing the undiscovered metals. ⁹Mean estimated undiscovered Cu as a percentage of the Cu endowment. Two significant digits are reported where appropriate. t=metric tons. **Results shown in bold are for tracts in which the giant porphyry copper deposit model was used.**