

INVALID UNNAMED MINERALS, UPDATE 2012-01

IMA Subcommittee on Unnamed Minerals: Jim Ferraiolo*, Jeffrey de Fourestier**, Dorian Smith*** (Chairman)

*jferr@erols.com **jeffrey.defourestier@forces.gc.ca ***Dorian.Smith@ualberta.ca

Users making reference to this compilation should refer to the primary source (D.G.W. Smith & E.H. Nickel, "A system of codification for unnamed minerals: Report of the Subcommittee for Unnamed Minerals of the IMA Commission on New Minerals, Nomenclature and Classification": Canadian Mineralogist (2007), v. 45, p. 983-1055) and to this website. Additions and changes to the original publication are shown in blue print. Alphabetic symbols in the Reject Category column represent the following: a - the mineral has been subsequently named; b - the data given for the mineral are considered to be inadequate for a match with another unrelated sample to be made with any confidence; c - on the basis of the reported data, the unnamed mineral is not distinct from a previously described, named or unnamed mineral; d - the material examined was probably a mixture; e - the unnamed mineral has been discredited; f - the unnamed substance does not meet IMA-accepted definitions of a mineral.

<u>IMA Designation</u>	<u>Primary Reference</u>	<u>Secondary Reference</u>	<u>Comments</u>	<u>Reject Category</u>
UM1839-//SeO:Pb	*Ann. Phys. 46, 265	Eur. J. Mineral. 6, 337	Inadequate data; later named kerstenite	b
UM1889-//SO:FeH[1]	*Am. J. Sci. 38, 243, 245	Dana (7th) 2, 570	Mineral "A"; this is almost certainly metahohmannite (described in 1838)	c
UM1889-//SO:FeH[2]	*Am. J. Sci. 38, 243, 245	Dana (7th) 2, 570	Mineral "B"; this is almost certainly amaranthite (described in 1888)	c
UM1889-//SO:FeH[3]	*Am. J. Sci. 38, 243, 245	Dana (7th) 2, 570	Mineral "C"; could be szomolnokite or a mixture of other hydrated Fe-sulphates	d
UM1889-//SO:FeH[4]	*Am. J. Sci. 38, 243, 245	Dana (7th) 2, 570	Mineral "D"; could be szomolnokite or a mixture of other hydrated Fe-sulphates	d
UM1896-//TeO:FeH	*Proc. Colorado Sci. Soc. 5, 66 (1894-1896)	Am. Mineral. 29, 211	Identical to UM1944-//TeO:FeH; later described under the name poughite: Am. Mineral. 53 (1968), 1075	c
UM1900-//CO:CuHU	*Vh. Mineral. Ges. 38, 38	Dana (7th) 2, 237	Analysis of a mixture	d
UM1910-//O:MgTi	*Z. Krist. 47, 246	Dana(7th) 1, 542	Inadequate data; qualitative chemical test	b
UM1910-//PO:FeHMn	US Geol. Surv. Bull. 419, 1	Am. Mineral. 34, 513	(Fe,Mn) ₅ (PO ₄) ₃ (OH) ₇ - probably rockbridgeite	c
UM1919-//S:AsPb	Mineral. Mag. 18, 360	Dana (7th) 1, 456	Later described under the name baumhauerite-2a: Am. Mineral. 75 (1990), 915	a
UM1920-//	Mineral. Mag. 19, 40	Dana (7th) 1, 488	No chemical information	b
UM1921-//AsO:Pb	*Geol. Fören. Förh. 43, 188	Am. Mineral. 64, 352	Fiink #305 and #49; later described under the name paulmooreite	a
UM1924-//O:BaCuV	*Am. J. Sci. 8, 201	Dana (7th) 2, 818	Probably vésigniéite; see Am. Mineral. 40, 942 (Abst.)	c
UM1930-//O:CaNbTaTiYU	Am. J. Sci. 19, 17	Dana (7th) 1, 800	Not samarskite but compositionally indistinguishable from euxenite-(Y)	c
UM1931-//O:CaHfTaTiU	*Norsk. Geol. Tidsskr. 12, 73	Dana (7th) 1, 804	Probably a mixture of several phases - see Am. Mineral. 62, 403; name "tangenite" used	d
UM1931-//O:PbU	Am. Mineral. 16, 213	Am. Mineral. 41, 539	Inadequate data; same as UM1956-01-O:HPbU; mineral "C"	b
UM1934-//PO:CaFMg	*Comm. Serv. Geol. Portugal 19, 65	Mineral. Abst. 6, 440	Analysis no. XIV; white earthy crusts; compared to cryolithiolite (itself probably a mixture)	d
UM1934-//SO:FeH	Ann. R. Osserv. Vesuv. 1934, Ser. 4, 3, 83	Hey (1955), 25.10.3	Later described under the name ferroxahydroite: Zap. Vses. Mineral. Ob. 91 (1962), 490	a
UM1936-//F:K	*Acad. Sci. Lett. Arti, Att. Modena [5], 1, 33	Dana (7th) 2, 28	Later described under the name carobbiite: Rend. Soc. Ital. Mineral. Petrol. 12 (1956), 212	a
UM1936-//SO:NaH	*Acad. Sci. Lett. Arti, Att. Modena [5], 1, 33	Mineral. Abst. 6, 444	NaHSO ₄ . Inadequate data	b
UM1937-//O:Zr	*Goldsmiths J. 37, 193	Mineral. Abst. 7, 131	Inadequate data; a synthetic product and thus not a mineral; may possibly be equivalent to tazheranite	b,f
UM1938-//SO:FeHNa	Am. Mineral. 23, 722		Mineral "42"; inadequate data	b
UM1940-//CH	*Mem. Inst. Geol. Univ. Padova 14 (4), 1	Mineral. Abst. 11, 214	Inadequate data	b
UM1940-//S:BiPb[1]	Univ. Toronto Studies, Geol. Ser. 44 (1940), 47	Mineral. Abst. 8, 7	Inadequate data but cell dimensions and space group similar to Nordstromite; monoclinic	b,c
UM1940-//S:BiPb[2]	Univ. Toronto Studies, Geol. Ser. 44 (1940), 47	Mineral. Abst. 8, 7	Inadequate data; hexagonal	b,c
UM1941-//	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral M"; yellow, isotropic; no chemical data	b
UM1941-//BO:AlFeMg	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral B"; black prismatic; inadequate data	b
UM1941-//CO:AlCaCuSi	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral F"; later described under the name stringhamite: Am. Mineral. 61 (1976), 189	a
UM1941-//CO:AlCaSi	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral K"; vitreous, unstable; inadequate data	b

UM1941--//SiO:AlCa	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral C"; white fibrous; inadequate data	b
UM1941--//SiO:AlCaFMg	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral P"; colourless; inadequate data	b
UM1941--//SiO:AlCaFeHMg	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral G"; brownish-black; inadequate data	b
UM1941--//SiO:Ca	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral Q"; white silky; inadequate data	b
UM1941--//SiO:CaFMg	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral O"; yellow, vitreous lustre; inadequate data - probably a humite group mineral	b
UM1941--//SiO:CaH	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral J"; white, silky; inadequate data	b
UM1941--//SiO:CaHMg	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral D"; white, radiating; inadequate data	b
UM1941--//SiO:CaTh	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral L"; chalky white; inadequate data	b
UM1941--//VO:CaCuPb	Amer. Min. 26, 333	Calif. J. Mines & Geology 39, 333	Crestmore "mineral N"; yellow-green film; inadequate data	b
UM1942--//SiO:AlCaNa	Am. Mineral. 27, 143	Mineral. Abst. 8, 287	Inadequate data; impurity in tridymite of composition NaCaAl ₃ Si ₁₅ O ₃₆	b
UM1944--//CH:Fe	*Wiener Chem.-Zeitung 47, 80	Mineral. Abst. 10, 319	Inadequate data	b
UM1944--//CH:Ga	*Wiener Chem.-Zeitung 47, 80	Mineral. Abst. 10, 319	Inadequate data	b
UM1944--//SiO:HMgNi	*Trans. Geol. Soc. S. Africa 46, 119	Mineral. Abst. 9, 189	Later described under the name willemseite: Nat. Inst. Metall. Rept. 352 (1968), 1	a
UM1944--//TeO:FeH	Am. Mineral. 29, 211		Analytical data obtained from HCl-soluble portion only; later described under the name poughite: Am. Mineral. 53 (1968), 1075	b
UM1945--//O:MnTa	Mineral. Mag. 27, 157	Dana (7th) 2, 1072	Indistinguishable from wodginite. Read in 1945, published in 1946	c
UM1945--//SiO:Fe	*Trans. Geol. Soc. S. Africa 47, 157	Mineral. Abst. 10, 233	Data are inadequate to distinguish the mineral from fayalite or laihunite	b,c
UM1946--//S:AgPbSb	*Mineria Boliviana 3, 11	Mineral. Abst. 10, 147	Indistinguishable from owyheeite	c
UM1947--//O:ClSb	*Atti Accad. Naz. Lincei, Cl. Sci. Fis. Mat. Nat., Rendiconti, Ser. 8, 3, 365	Mineral. Abst. 10, 445	Later described under the name onoratoite: Mineral. Mag. 36 (1968), 1037	a
UM1949--//O:FeU	*US Atomic Energy Comm. RMO-563	Mineral. Mag. 30, 736	Iron uranite; inadequate data	b
UM1949--//PO:CaFeMg	Am. Mineral. 34, 513		(Ca,Fe,Mg)Fe ³⁺ ₂ (PO ₄) ₂ (OH) ₂ ·2H ₂ O; same as UM1910-01-PO:CaFeMg	c
UM1949--//PO:FeHMn	Am. Mineral. 34, 513		(Fe,Mn) ₅ (PO ₄) ₃ (OH) ₇ ; same as UM1910--//PO:FeHMn; probably rockbridgeite	c
UM1949--//PO:FeMn[1]	Am. Mineral. 34, 513	ICDD 15-0442	"Dufrenite-like mineral"; no chemical analysis; perhaps kidwellite; X-ray powder diffraction pattern later reported as mixture	d
UM1949--//PO:FeMn[2]	Am. Mineral. 34, 513		Referred to as a "dufrenite-like mineral" but with minimal data; later described more fully as UM1982-08-PO:FeHMn; formerly coded as UM1949-02-PO:FeMn	c
UM1950--//PO:AlHY	Trudy Min. Mus. Acad. Sci. USSR (1950) 2, 135	Zap. Vses. Mineral. Ob. 80, 238	Later named "koivinite" but inadequate data; perhaps a Y-dominant florencite	b,a
UM1950--//SiO:AlFeHMg	Mineral. Mag. 29, 72		(Mg,Fe ²⁺ ,Al) ₃ (Si,Al) ₄ O ₁₀ [OH] ₂ ·?H ₂ O; later given the unapproved name cardenite: Clay Minerals Bull. 2, 120; possibly a mixture	a,d
UM1951--//CH:[1]	*Mikrochem. Mikrochim. Acta 36-37, 1048	Mineral. Abst. 11, 518	Inadequate data	b
UM1951--//CH:[2]	*Mikrochem. Mikrochim. Acta 36-37, 1048	Mineral. Abst. 11, 518	Red; inadequate data	b
UM1951--//CH:[3]	*Mikrochem. Mikrochim. Acta 36-37, 1048	Mineral. Abst. 11, 518	Rod-shaped crystals; inadequate data	b
UM1951--//PO:AlFNaSr	*Medd. Dansk Geol. For. 12, 109	Mineral. Abst. 12, 14	Later described under the name boggildite: Acta Chem. Scand. 8 (1954), 136	a
UM1952--//AsO:CuHPb	Bull. Soc. fr. Minéral. Crist. 75, 70		Probably impure bayldonite	d
UM1952--//BO:Mg	Acta Cryst. 5, 574	Mineral. Abst. 12, 14	Later described under the name suanite: Mineral. J. 1 (1953), 54	a
UM1952--//Se:CuCoNi	Am. Mineral. 37, 542		Later described under the name tyrrellite: Am. Mineral. 37 (1952), 542	a
UM1952--//VO:Fe	Am. Mineral. 37, 407		Later described under the name nolanite: Am. Mineral. 42 (1957), 619	a
UM1953--//CO:Pb	Tscherm. Mineral. Petrog. Mitt. 3, 298	Mineral. Abst. 12, 329	Hexagonal; a = 5.23Å, c = 29.4Å; associated with hydrocerussite	b
UM1953--//S:AgCuFePb	Am. Mineral. 38, 506	Mineral. Abst. 12, 204	Mineral "Q"; later described under the name dadsonite: Mineral. Mag. 37 (1969), 437	a
UM1953--//SeO:Pb	Bull. Soc. fr. Minéral. Crist. 76, 422	Eur. J. Mineral. 6, 337	Same as kerstenite (see UM1839--//SeO:Pb)	a
UM1954--//BO:FeMgSn	Am. Mineral. 39, 522		Later described under the name hulsite: Am. Mineral. 50 (1955), 249	a
UM1954--//MoO:MgU	Unavailable	Hey (1963), 27.2.6g	Inadequate data	b
UM1954--//O:HV[1]	US Geol. Surv. Bull. 1009B, 54	Am. Mineral. 39, 1037	Later described under the name doloresite: Am. Mineral. 42 (1957), 587	a
UM1954--//O:HV[2]	US Geol. Surv. Bull. 1009B, 54	Am. Mineral. 39, 1037	V ₄ O ₇ ·H ₂ O(?); inadequate data; perhaps montroseite	b
UM1954--//SiO:AlHK	Mineral. Mag. 30, 400		Inadequate data; mixed layer illite-montmorillonite	b
UM1954--//SiO:HU	US Geol. Surv. Bull. 1009B, 31	Am. Mineral. 39, 1037	USiO ₄ (?) later described under the name coffinite: Econ. Geol. 49, (1954) 356; Am. Mineral. 41, (1956), 675	a
UM1954--//VO:HNa	US Geol. Surv. Bull. 1009B, 57	Am. Mineral. 39, 1038	Later described under the name barnesite: Am. Mineral. 48 (1963), 1187	a

UM1955-/-CH:OU	South Dakota Geol. Surv. Rept. Inv. 79, 102	Mineral. Abst. 14, 182	Inadequate data	b
UM1955-/-O:FeHMn	Am. Mineral. 40, 50		Mineral "G"; inadequate data	b
UM1955-/-PO:Fe	Am. Mineral. 40, 50		Mineral "C"; inadequate data	b
UM1955-/-PO:FeMn[1]	Am. Mineral. 40, 50		Mineral "H"; inadequate data	b
UM1955-/-PO:FeMn[2]	Am. Mineral. 40, 50		Minerals "D", "E" & "F" = mitridatite-robertsite series: Am. Mineral. 59 (1974), 48	b
UM1955-/-S:BiPbSb	*Trudy Mineral. Muz. Akad. Nauk SSSR 7, 112	Am. Mineral. 41, 814	"bismuth jamesonite"; later described under the name sakharovite: Trudy Mineral. Muz. Akad. Nauk SSSR 10 (1950), 148	a
UM1955-/-Se:Co	Neues Jb. Mineral. Mh. (1955), 133	Am. Mineral. 41, 164	Later named freboldite: Am. Mineral. 44 (1959), 907 (Abst.)	a
UM1955-/-SiO:FeHKMnNbTi	*Dokl. Akad. Nauk SSSR 100,1159	Can. Mineral. 40, 1629	Later described under the name gjerdingenite-Fe: Can. Mineral. 40 (2002), 1629	a
UM1956-/[1]	Mineral. Mag. 31, 96		Only partial optical data; perhaps related to serpentine group	b
UM1956-/[2]	Mineral. Mag. 31, 96		Only optical data; perhaps related to tualualite	b,c
UM1956-/-O:BaCaKNaPbU	Am. Mineral. 41, 539		Mineral "A"; X-ray powder diffraction and optical data; later shown to be a mixture: Can. Mineral. 35 (1997), 145	d
UM1956-/-PO:HPb	Trans. Roy. Soc. Edinburgh 63, 85	Mineral. Abst. 14, 283	Probably hydroxyl-dominant analogue of pyromorphite (hydroxylpyromorphite)	c
UM1956-/-SO:Cr	Trans. Roy. Soc. Edinburgh 63, 85	Mineral. Abst. 14, 283	Inadequate data; X-ray powder diffraction pattern similar to lanarkite	b,c
UM1957-/-Cl:HNI	J. Sci. Res. Inst. Tokyo 51, 1	Hey (1963): 8.11.8	Later described under the name nickelbischofite: Can. Mineral. 17 (1979), 107	a
UM1957-/-O:FeV	Am. Mineral. 42, 619		FeV ₄ O ₉ (?); chemically extracted from a mineral mixture	b
UM1957-/-PO:BiHU	*Soboleva & Pudovkina (1957), 201	Am. Mineral. 43, 383	Inadequate data; called "phosphate-walpurkite" (Strunz, 1970)	b
UM1957-/-S:Mn	C.R. Séances Acad. Sci. (Paris) 245, 1146	Am. Mineral. 43, 795.	Later described under the name rambergite: Am. Mineral. 83 (1998), 1117	a
UM1957-/-SO:CrPb	Trans. Roy. Soc. Edinburgh 65, 114	Am. Mineral. 45, 909.	Probably phenicochroite	c
UM1957-/-SO:GeHPb	Am. Mineral. 42, 743	Mineral. Abst. 13, 524	Later described under the name fleischerite: Neues Jb. Mineral. Mh (1960), 132	a
UM1958-/-AsO:HU	Jahr. geol. Landes. Baden-Wurtemberg 31, 17	Aufschluss 9, 279	A U-arsenate; mineral "E"; equated with chadwickite on the basis of the X-ray powder pattern: BRGM Index Alphabétique de Nomenclature Minéralogique (1968) p.234	c
UM1958-/-Cl:FeH	*Periodico Mineral. 27, 211	Am. Mineral. 44, 908	Inadequate data; mixture	c,d
UM1958-/-MoO:CaHU	2nd Int. Conf. Peaceful Uses Atom. Energy, Proc. (1958), [2], 286	Am. Mineral. 44, 468	Later named calcurmolite: Am. Mineral. 49 (1964), 1152	a
UM1958-/-O:FeMn	Nature 182, 472		Inadequate data	b
UM1958-/-O:V	Acta Cryst. 11, 56		"Phase B" = "protodoloresite" (?)	b,c
UM1958-/-S:BiPbSe	Calif. Div. Mines Spec. Rept. 51	Mineral. Abst. 14, 188	Inadequate data	b
UM1958-/-S:CuGa	Neues Jb. Mineral. Mh. (1958), 85	Am. Mineral. 43, 1006	Later described under the name gallite: Neues Jb. Mineral. Mh. (1958), 241	a
UM1958-/-SO:HNaU	US Geol. Surv. Bull. 1046H	Aufschluss 28, 177	A zippeite-like mineral; later described under the name sodium zippeite: Can. Min. 14, 429; later renamed natrozippite	c
UM1958-/-SiO:AlCaFeKNa	*Akad. Nauk SSSR, Kola Filial 1 (1958), 146	Am. Mineral. 44, 909.	(K,Na) ₄ Ca ₂ (Al,Fe)(Si,Al) ₆ (O,OH,F) ₁₈ •0.6NaCl; designated "mineral no. 3"; later named delhayelite: Vopr. Geol. Mineral. Kol'sk. P-va, #1 (1959), 146; transferred from Valid list	a
UM1958-/-SiO:AlFeHMnREE	*Sci. Rept. Tohoku Univ., ser.3, 6, 39	Eur. J. Mineral. 18, 569	Mn ²⁺ REE AlAlFe ²⁺ SiO ₄ Si ₂ O ₇ (OH); same mineral as UM1957-01-SiO:AlFeHMnREE	a
UM1958-/-SiO:AlFePU	US Geol. Surv. Bull. 1046H, 178		massive yellow mineral with minor Ca; inadequate data	b
UM1958-/-SiO:AlHMg	J. Mineral. Soc. Japan 3, 468		Appears to be montmorillonite	c
UM1958-/-SiO:AlU	US Geol. Surv. Bull. 1046H, 178		Fibrous yellow mineral with minor Ba,P,K,Fe,Ca & Mg; inadequate data	b
UM1958-/-SiO:CCaPFREEY	*Izv. Akad. Nauk Karel. Kol'sk Fil. SSSR 2, 90	Mineral. Abst. 15, 360	Clearly fluorbritholite-(Ce)	c
UM1958-/-SiO:CaHNaZr	*Akad. Nauk SSSR, Kola Filial 1, 146	Am. Mineral. 44, 909	Mineral "2"; probably eudialyte	c
UM1958-/-SiO:U	US Geol. Surv. Bull. 1046H, 491		Inadequate data	b
UM1959-/-As:PtRu	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "6"; Inadequate data; later re-examination showed major Rh and identity with hollingworthite (see CIM Sp. Vol. 23, 192)	c
UM1959-/-As:PtSn	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "4"; inadequate data	b
UM1959-/-AsO:CuZn	Fortsch. Mineral. 37, 87	Am. Mineral. 44, 1323	Mineral "R"; later described under the name chudobaite: Neues Jb. Mineral. Mh. (1960), 1	a
UM1959-/-BO:Mn	Schweiz. Mineral. Petrog. Mitt. 39, 85	Am. Mineral. 45, 254	Mineral "X"; inadequate data	b
UM1959-/-CO:CaCeF	*Trudy IMGRE 2, 181	Bull. Soc. fr. Minéral. Crist. 84, 25	Mineral "X"; inadequate data; possibly Y-bearing synchysite-(Ce) or Y-bearing parisite-(Ce)	b,c
UM1959-/-CO:HNa	*Zap. Vses. Mineral. Ob. 90, 440	Am. Mineral. 47, 418	Appears to be thermonatrite: Am. Mineral. 49 (1964), 1154 (Abst.)	c
UM1959-/-E:FeIRNiPt	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "3"; inadequate data	b
UM1959-/-E:IrPtSn	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "1"; inadequate data	b
UM1959-/-E:PbPd	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "5"; = zvyagintsevite: Am. Mineral. 52, 299 (Abst.)	a

UM1959-//E: PdPtSn	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "2"; inadequate data; perhaps related to stannopalladinite	b
UM1959-//O: CaHSrU	Bull. Soc. fr. Minéral. Crist. 82, 239	Am. Mineral. 45, 254	Probably agrinierite (Mineral. Mag. 38, 781)	c
UM1959-//O: CaTi	*Zap. Vses. Mineral. Ob. 88, 444	Am. Mineral. 45, 479	Later described under the name kassite: Am. Mineral. 52 (1967), 559 (Abst.)	a
UM1959-//O: Re	Econ. Geol. 54, 254	Mineral. Mag. 35, 871	Inadequate, qualitative compositional data only; possibly Re ₂ O ₇	b
UM1959-//S: CoFeNi	Geologi (Helsinki) 1959, 3-4, 32	Am. Mineral. 47, 173	Later described under the name mackinawite: Am. Mineral. 48 (1963), 215 (Abst.)	a
UM1959-//S: Fe	Am. Mineral. 44, 974		Probably mackinawite	c
UM1959-//S: Pd	*Geol. Rudn. Mest. (1959), 68	Am. Mineral. 46, 464	Mineral "8"; inadequate data	b
UM1959-//SO: CaHNa	Science 129, 1227	Am. Mineral. 44, 1103	Inadequate data; similar to eugsterite	b,c
UM1959-//SiO: AIBaCaHS	Schweiz. Mineral. Petrog. Mitt. 39, 333	Am. Mineral. 45, 255	Later described under the name wenkite: Schweiz. Mineral. Petrog. Mitt. 42 (1962), 274	a
UM1959-//VO: CaH	Am. Mineral. 44, 322		Later described under the name hendersonite: Am. Mineral. 47, (1962), 1252	a
UM1960-//E: SbBi	Neues Jb. Mineral. Abh. 90, 140		Appears Bi-bearing antimony	c
UM1960-//O: FeNbTaUY	*J. Chem. Soc. Japan 81, 1049	Mineral. Abst. 15, 212	Probably ishkawaite	c
UM1960-//O: HU[1]	Am. Mineral. 45, 1026		"Dehydrated schoepite"; unique X-ray powder data but probably an artifact	f
UM1960-//O: HU[2]	CSIRO Minerag. Invest. Tech. Paper 2, 39	ICDD 15-0569	Mineral "B"; X-ray powder data; minor Ca and trace Al, Cu, Fe, Si & Th; identified later under the name heisenbergite: Neues Jb. Mineral. Abh. 189 (2) (2012), 117; transferred from Valid list	a
UM1960-//O: Mn	Econ. Geol. 55, 278	Am. Mineral. 47, 246	Later described under the name nsutite: Am. Mineral. 47 (1962), 246	a
UM1960-//O: NbTa	21st IGC Rept. (1960) 17, 53	Mineral. Abst. 15, 211	Mineral "B"; inadequate data; possibly tantalite-columbite group	b
UM1960-//O: Ta	21st IGC Rept. (1960) 17, 53	Mineral. Abst. 15, 211	Mineral "A"; inadequate data; possibly aeschynite group	b
UM1960-//OH: Al	Neues Jb. Mineral. Abh. 95, 1	Am. Mineral. 45, 1317	Inadequate data; possibly nordstrandite or doyleite set differently	b,c
UM1960-//OH: Ni	Am. Mineral. 45, 1109		Later described under the name theophrastite: Am. Mineral. 66 (1981), 1020	a
UM1960-//PO:	*Estudos, Notas Trabalhos Serv. Fomento Mineiro (Portugal) 14, 257	Mineral. Abst. 15, 541	Mineral "A"; inadequate data; possibly ehrlite	b,c
UM1960-//SiO: CaSn	Am. Mineral. 46, 768.		Later described under the name malayaite: Mineral. Mag. 35 (1965), 622	a
UM1960-//VO: PbU	CSIRO Minerag. Invest. Tech. Paper 2, 46	ICDD 15-0496	Mineral "E"; X-ray and chemical data correspond to those of curiéinite	c
UM1961-//As: IrPt	Mineral. Mag. 32, 833	Mineral. Abst. 15, 290	Appears to be Ir-bearing sperrylite	c
UM1961-//CO: CaH	*Zap. Vses. Mineral. Ob. 90, 97	Hey (1963) 11.4.10	Inadequate data.	b
UM1961-//SO: FeHZn	Am. Mineral. 46, 1517.		Later described under the name zincobotryogen: Am. Mineral. 49 (1964), 1776 (Abst.)	a
UM1961-//Sb: BiPd	Mineral. Mag. 32, 833		Appears to be equivalent to sudburyite; formerly coded as UM1961-08-Sb:BiPd	c
UM1961-//Sb: BiPt	Mineral. Mag. 32, 833	Mineral. Abst. 15, 290	Appears to be Bi-bearing stumpflite	c
UM1961-//Sb: Pt	Mineral. Mag. 32, 833	Mineral. Abst. 15, 290	Later described under the name stumpflite: Bull. Soc. fr. Minéral. Crist. 95 (1972), 610	a
UM1961-//SiO: AIH	Neues Jb. Mineral. Mh. (1961), 112	Mineral. Abst. 15, 292	Probably cookeite (with Li having been missed)	c
UM1961-//Te: Cu	Am. Mineral. 46, 258		Microchemical tests showed Cu & Te; data inadequate; oxygen could be present	b
UM1961-//Te: Pt	*Geol. Rudn. Mest. (1961), 64	Am. Mineral. 47, 809	Later described under the name moncheite: Zap. Vses. Mineral. Ob. 92 (1963), 33	a
UM1961-//TeO: Fe	Science 133, 2017.		Inadequate data; similarities to zemannite	b,c
UM1961-//TeO: Mn	Science 133, 2017.		Later described under the name denningite: Can. Mineral. 7 (1961), 340 (Abst.)	a
UM1961-//TeO: MnZn	Science 133, 2017.		Later described under the name spiroffite: Am. Mineral. 47 (1962), 196 (Abst.)	a
UM1961-//TeO: Zn	Science 133, 2017.		Probably keystoneite (X-ray powder diffraction, optical data) Ni misidentified as Zn?	c
UM1962-//Bi: Pd	Can. Mineral. 7, 30	CIM Sp. Vol. 23, 177	Mineral "C"; (see Can. Mineral. 7, 95, and CIM Sp. Vol. 23, 189); inadequate data	b
UM1962-//PO: NaF	*Akad. Nauk SSSR, Kola Filial (1962), 74	Am. Mineral. 48, 1418	Probably natrophosphate	c
UM1962-//S: AgBiCuPb	Can. Mineral. 7, 338		Later described under the name neyite: Can. Mineral. 10 (1969), 90	a
UM1962-//S: AsPbSb	Can. Mineral. 7, 339	Am. Mineral. 48, 1485	Later described under the name veenite: Can. Mineral. 9 (1967), 7	a
UM1962-//S: BiTe	Proc. Australasian Inst. Min. Metall. #203, 67	Austral. J. Mineral. 10, 7	Bi ₁₀ Te ₂ S ₅ ; not compositionally distinct from joséite-A & joséite-C	c
UM1962-//S: Mg	Geochim. Cosmochim. Acta 26, 251	Am. Mineral. 47, 1219	Later described under the name niningerite: Science 155 (1967), 451	a
UM1962-//SO: AlFeZn	Mineral. Sbornik L'vov. Ob. 16, 253		Not distinct from halotrichite	c
UM1962-//SO: CuFeH	Can. Mineral. 7, 245	Am. Mineral. 47, 1219	Later described under the name poitevinite: Can. Mineral. 8 (1964), 109	a
UM1962-//SiO: CeFeTi	Trudy IMGRE 9, 3	Zap. Vses. Mineral. Ob. 102, 456	X-ray amorphous with only qualitative compositional data	b
UM1962-//Se: Cu	Geol. Soc. Am. Mem. 85, 118	ICDD 14-0479	Later described under the name athascaite: Can. Mineral. 10 (1970), 206	a
UM1963-//AsO: MgU	Bull. Soc. fr. Minéral. Crist. 86, 17	Mineral. Abst. 16, 457	U,Mg-arsenate with distinctive X-ray powder pattern; later described under the name seelite: Mineral. Record 24 (1993), 463; previously coded as UM1963-01-AsO:MgU	a
UM1963-//C: FeS	J. Geophys. Res. 68, 2011	Am. Mineral. 44, 1419	Inadequate data	b
UM1963-//CO: CaH	*Biol. Bull. 125, 441	Mineral. Abst. 18, 206	Very probably monohydrocalcite	c

UM1963-//O:CrFeMnV	Am. Mineral. 48, 33		Later described under the name vuorelainenite: Can. Mineral. 20 (1982), 281	a
UM1963-//S:AsCoFeNi	*Dokl. Akad. Nauk SSSR 153, 1420	Am. Mineral. 49, 818	(Co,Ni,Fe)AsS; probably Ni-bearing glaucodot	c
UM1963-//S:CaFeMgMn	J. Geophys. Res. 68, 2011	Am. Mineral. 44, 1419	Inadequate data; could be niningerite	b,c
UM1963-//S:CuFe	*Dokl. Akad. Nauk SSSR 152, 408	Am. Mineral. 55, 2135	Originally considered a cubic polymorph of CuFeS ₂ ; later named talnakhite: Zap. Vses. Mineral. Ob. 97 (1968), 63	a
UM1963-//S:CuFeZn	J. Geophys. Res. 68, 2011		"Mineral K"; (Fe,Cu,Zn)S; inadequate data; likely rudashevskyite: Am. Mineral. 93 (2008), 902	b,a
UM1963-//S:CuGe	*Dokl. Akad. Nauk SSSR 149, 675	Mineral. Abst. 18, 283	Inadequate data	b
UM1963-//S:FeNi	Am. Mineral. 48, 511	Mineral. Abst. 16, 546	Appears to be mackinawite	c
UM1963-//Si:FeNi	J. Geophys. Res. 68, 2011	Am. Mineral. 44, 1419	Inadequate data; similarities to suessite and perryite	b,c
UM1963-//SiO:BBeCaHREEY	*Kristallografiya 8, 677	Am. Mineral. 49, 443	Appears to be calcybeborosilite-(Y) (a mineral presently of uncertain status)	c
UM1963-//SiO:CaH[1]	Am. Mineral. 48, 924		Inadequate data; similarities to jennite	b,c
UM1963-//SiO:CaH[2]	*Ann. Rept. Univ. Leeds Res. Inst. African Geol. (1963), 33	Mineral. Abst. 16, 548	Very probably jennite: see Am. Mineral. 51 (1966), 56	c
UM1963-//Te:AgBi	*Trudy IMGRE 18, 70	Am. Mineral. 49, 818	Later described under the name volynskite: Am. Mineral. 51 (1966), 531 (Abst.)	a
UM1964-//AsO:CaFeH	*Trudy Mineral. Muz. Akad. Nauk SSSR 15, 176	Am. Mineral. 52, 300	Later described under the name lazarenkoite: Mineral. Zhurn. 3 (1981) (3), 92	a
UM1964-//COPO:MnNa	*Kristallografiya 9, 109	Mineral. Abst. 16, 648	Later described under the name sidorenkite: Zap. Vses. Mineral. Ob. 108 (1979), 56	a
UM1964-//OH:AlH	*Acad. Yugoslav. Sci. Arts., Bauxite Symposium	ICDD 31-0018	Later reported to be a mixture	d
UM1964-//OH:Be	US Dept. Mines Rept. Invest. 6408, 1	Am. Mineral. 49, 1497	Later described under the name behoite: Am. Mineral. 55 (1970), 1	a
UM1964-//OH:Ni	Can. Mineral. 8, 116	Am. Mineral. 50, 266	Perhaps jamborite (Am. Mineral. 58 (1973), 835), or may be a solid solution of hydrotralcite group minerals	c
UM1964-//PO:CaCeLaNd	*Dokl. Akad. Nauk SSSR 155, 349	Mineral. Abst. 18, 204	Inadequate data; only partial chemical analysis	b
UM1964-//PO:FePbSrW	*Bull. Acad. Roy. Sci. Outre-Mer, (1964), 904	Mineral. Abst. 18, 207	Qualitative chemistry; attributed to goyazite-gorceixite group; may be lusungite	b,c
UM1964-//S:Co	Neues Jb. Mineral. Mh. (1964), 94	Am. Mineral. 50, 2107	Appears to be cobaltpentlandite	c
UM1964-//S:Sn[1]	Neues Jb. Mineral. Mh. (1964), 94	Am. Mineral. 50, 2107	Later described under the name ottemannite: Fortsch. Mineral. 42 (1966), 211	a
UM1964-//S:Sn[2]	Neues Jb. Mineral. Mh. (1964), 94	Am. Mineral. 50, 2107	Appears to be berndtite polytype; formula SnS ₂	c
UM1964-//Se:Ni[1]	Geologi (Helsinki) 5, 53	Am. Mineral. 50, 519	Later described under the name sederholmite: C.R. Soc. Geol. Finland 36 (1964), 113	a
UM1964-//Se:Ni[2]	Geologi (Helsinki) 5, 53	Am. Mineral. 50, 519	Later described under the name sederholmite: C.R. Soc. Geol. Finland 36 (1964), 113	a
UM1964-//Se:Ni[3]	Geologi (Helsinki) 5, 53	Am. Mineral. 50, 519	Later described under the name sederholmite: C.R. Soc. Geol. Finland 36 (1964), 113	a
UM1964-//Se:Ni[4]	Geologi (Helsinki) 5, 53	Am. Mineral. 50, 519	Later described under the name sederholmite: C.R. Soc. Geol. Finland 36 (1964), 113	a
UM1964-//Se:Ni[5]	Geologi (Helsinki) 5, 53	Am. Mineral. 50, 519	Later described under the name sederholmite: C.R. Soc. Geol. Finland 36 (1964), 113	a
UM1964-//SeTe:Ni	Geologi (Helsinki) 5, 53	Am. Mineral. 50, 265	Later described under the name kitkaite: Am. Mineral. 50 (1965), 581	a
UM1964-//SiO:Fe	Nature, Phys. Sci. 201, 596	ICDD 16-0376	Qualitative chemistry with X-ray powder diffraction data; card later withdrawn by ICDD. Formerly coded as UM1964-05-SiO:Fe	b
UM1965-//AsO:FeHPb	Tscherm. Mineral. Petrog. Mitt. 11, 121	Am. Mineral. 52, 1585	Later described under the name segnitite: Am. Mineral. 77 (1992), 656	a
UM1965-//CO:CaCeLaSr	Can. Mineral. 8, 398	Am. Mineral. 51, 533	Appears to be calcio-ancylite-(Ce)	c
UM1965-//CO:CaFeMgMnY	*Rev. Roum. Géol. Geophys. Géogr. Ser. géol. 9, 59	Mineral. Abst. 19, 128	Ankerite containing some yttrium	c
UM1965-//E:AuCu	Trans. Inst. Mining Metall. 74, 933		AuCu; same composition later described under the name tetra-auricupride: Sci. Geol. Sinica 11 (1982), 111	a
UM1965-//O:NbU	*Southeastern Geol. 6, 79	Mineral. Abst. 17, 637	Later described under the name liandratite: Am. Mineral. 63 (1978), 941	a
UM1965-//PO:AlCaHLiMnNa	*Rept. Rwandaise Ministeri Econ., Bull. Serv. Géol. 2, 11	Am. Mineral. 51, 1819	Later described under the name bertossaite: Can. Mineral. 8 (1966), 668	a
UM1965-//S:AsIrPtRh	Am. Mineral. 50, 1068	CIM Sp. Vol. 23, 177	Later described under the name platarsite: Can. Mineral. 15 (1977), 385 & CIM Sp. Vol. 23, 189	a
UM1965-//S:Cr	Geochim. Cosmochim. Acta 29, 1131		CrS? Inadequate data	b
UM1965-//S:CrFe	Geochim. Cosmochim. Acta 29, 1131		(Fe,Mn,Mg)xCr ₃ S ₂ ; probably daubrélite	b,c
UM1965-//S:IrOsRu	Trans. Inst. Mining Metall. 74, 933	Am. Mineral. 51, 1551	An Os- and Ir-bearing variety of laurite	c
UM1965-//Se:CuTe	Can. Mineral. 8, 397	Am. Mineral. 51, 533	Later described under the name bambollaite: Can. Mineral. 11 (1972), 738	a
UM1965-//SiO:CaNaZr	Can. Mineral. 8, 398	Am. Mineral. 51, 533	Later described under the name hilairite: Can. Mineral. 12 (1974), 237. Original report of K was in error	a
UM1965-//SiOPO:AlCaFeH	*Zap. Vses. Mineral. Ob. 94, 465	Mineral. Abst. 17, 697	Amorphous and inadequately characterised; could be a mixture	b,d

UM1966-/-AsO:FeHPb	Tscherm. Mineral. Petrog. Mitt. 11, 121	Am. Mineral. 52, 1585	Later described under the name segnitite: Am. Mineral. 77 (1992), 656	a
UM1966-/-E:AgSb	Can. Mineral. 8, 610	Mineral. Abst. 20, 69-	Not distinguishable from allargentum	c
UM1966-/-E:BiPbPd	Can. Mineral. 8, 541	Am. Mineral. 52, 1579	Later described under the name polarite: Zap. Vses. Mineral. Ob. 98 (1969), 708	a
UM1966-/-E:BiPdTe	Mineral. Mag. 35, 815	Mineral. Abst. 17, 696	Mineral "C"; compositional data suggest this is a Bi-bearing kotulskite	c
UM1966-/-E:PbPd	Can. Mineral. 8, 541		Pd ₃ Pb; later described under the name zvyagintsevite: Geol. Rud. Mest. 8 (1966), 94	a
UM1966-/-O:FeHTi	Can. Mineral. 8, 674	Am. Mineral. 52, 1580	Inadequate data; strong similarities to pseudorutile and some to pseudobrookite	b,c
UM1966-/-O:Re	Mineral. Mag. 35, 871		Inadequate, qualitative compositional data only; possibly Re ₂ O ₇	b
UM1966-/-S:CuGe	*Dokl. Akad. Nauk Azerb. SSR 22, 29	Mineral. Abst. 19, 225	Only qualitative chemistry	b
UM1966-/-S:PbSb	Can. Mineral. 8, 667	Am. Mineral. 52, 1580	Later described under the name tintinaite: Can. Mineral. 9 (1968), 371	a
UM1966-/-Se:Pb	*C.R. Acad. Sci. Paris, Ser. D, 263, 465	Mineral. Abst. 20, 69-559	Inadequate data; might be demesmaekerite	b,c
UM1966-/-SiO:AlBeFe	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#12"; later equated with cordylite-(Ce), but the compositional data do not agree	a,b
UM1966-/-SiO:AlBeMgMn	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#4"; later described under the name steacyite: Can. Mineral. 20 (1982), 59; but the compositional data do not agree	a
UM1966-/-SiO:AlBeMgMnNbTi	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#17"; later described under the name perraultite: Can. Mineral. 29 (1991), 355	a
UM1966-/-SiO:AlMnYYb	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#6"; later described under the name monteregionite-(Y): Can. Mineral. 16 (1978), 561; but compositional data do not agree	a
UM1966-/-SiO:BeMgMnNbTi	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#18"; later described under the name tundrite-(Ce): Am. Mineral. 50 (1965), 2097; but the compositional data do not agree	a
UM1966-/-SiO:CaFeMgMnNa	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#5"; later described under the name labuntsovite: Mineral. Record 21 (1990), 363; but the compositional data do not agree	a
UM1966-/-SiO:CaKNa	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#15"; later described under the name carletonite: Am. Mineral. 56 (1971), 1855	a
UM1966-/-SiO:CaNaZr	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#20"; later described under the name hilairite: Can. Mineral. 12 (1974), 237. Original report of K was in error	a
UM1966-/-SiO:MgMnNaTi	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#19"; later equated with nenadkevichite: Mineral. Record 21 (1990), 363; but the compositional data do not agree	a
UM1966-/-SiO:NaZr	Can. Mineral. 8, 662	Can. Mineral. 9, 109	"UK#13"; later described under the name lemoynite: Can. Mineral. 9 (1969), 585	a
UM1966-/-SiO:CaFeHMnNaPREEY	*Zap. Vses. Mineral. Ob. 95, 339	Mineral. Abst. 18, 125	Later described under the name proshchenkoite-(Y): Mineral. Mag. 72 (2008), 1071; transferred from Valid list	a
UM1966-/-Te:HgPd	Mineral. Mag. 35, 815	Mineral. Abst. 17, 696	Mineral "A"; inadequate compositional data and little else; might be temagamite or Hg-bearing kotulskite	b,c
UM1967-/-As:NiPd	*Zap. Vses. Mineral. Ob. 96, 432	CIM Sp. Vol. 23, 177	Compositionally indistinguishable from majakite (CIM Sp. Vol. 23, 185)	c
UM1967-/-BO:CaHNaREE	USGS Prof. Paper 575-C, c.38	Am. Mineral. 53, 1081	REE-borate mineral later described under the name braitschite-(Ce): Am. Mineral. 53 (1968), 1081	a
UM1967-/-E:PbPd	*Zap. Vses. Mineral. Ob. 96, 432	CIM Sp. Vol. 23, 177	Compositionally indistinguishable from plumbopalladinite but discrepancies in VHN and reflectance values; (CIM Sp. Vol. 23, 184)	c
UM1967-/-O:CaFeMnTaTi	*C.R. Soc. Géol. Finlande 39, 95	Mineral. Abst. 19, 312	Inadequate data; an alteration product of columbite	b
UM1967-/-PO:CaCl	Can. Mineral. 9, 286		Ca ₅ (PO ₄) ₃ Cl; a monoclinic polymorph of chlorapatite; later named chlorapatite-M: Eur. J. Mineral. 22 (2010), 163	a
UM1967-/-S:AsCuTe	*Mem. Bur. Rech. Géol. Minières, Paris 54, 1	Mineral. Abst. 21, 70-3397	Appears to be goldfieldite on the basis of X-ray powder diffraction lines and composition	c
UM1967-/-S:CoFeNiPd	Mineralium Deposita 1, 269	Mineral. Abst. 20, 69-1527	Mineral "b"; inadequate data	b
UM1967-/-S:CuFe	Econ. Geol. 62, 910		Later described under the name talnakhite: Zap. Vses. Mineral. Ob. 97 (1968), 63	a
UM1967-/-S:FeMg	Science 155, 451	Can. Mineral. 40, 1687	(Fe,Mg)S; originally included with niningerite but later described under the name keilite: Can. Mineral. 40, 1687	a
UM1967-/-S:FeNiPdRh	Mineralium Deposita 1, 269	Mineral. Abst. 20, 69-1527	Mineral "a"; inadequate data	b
UM1967-/-S:PbSb	Can. Mineral. 9, 191	Mineral. Abst. 20, 69-2384	Mineral "QM"; Later described under the name dadsonite: Mineral. Mag. 37 (1969), 437	a
UM1967-/-S:PdPtRh	Mineralium Deposita 1, 269	Mineral. Abst. 20, 69-1527	Mineral "c"; inadequate data	b
UM1967-/-SiO:BaFeNaREETi	Am. Mineral. 52, 1762		Later described under the name bario-orthojoaquinite: Am. Mineral. 67 (1982), 809	a
UM1967-/-SiO:BaKNbTaTi	*C.R. Soc. Géol. Finlande 39, 95	Mineral. Abst. 19, 312	Inadequate data	b
UM1967-/-SiO:YYb	*Dokl. Earth Sci. 176, 136		Later described under the name keiviite-(Y): Mineral. Zhurn. 7 (6) (1985), 79	a
UM1967-/-Te:BiPb	Can. Mineral. 9, 305	Am. Mineral. 53, 1421	Later described under the name ruckidgeite: Zap. Vses. Mineral. Ob. 106 (1977), 62; identical with UM1969-/-Te:BiPb	a
UM1968-/-As:Ni	Neues Jb. Mineral. Mh. (1968), 420	Am. Mineral. 54, 990	Inadequate data	b
UM1968-/-As:NiPd	*Genkin (1968), 1	CIM Sp. Vol. 23, 177	Probably Ni-bearing vincentite (CIM Sp. Vol. 23, 189)	c
UM1968-/-As:PbPd	*Genkin (1968), 1	CIM Sp. Vol. 23, 177	Probably Pb-bearing vincentite (CIM Sp. Vol. 23, 188)	c
UM1968-/-E:C	Science 161, 363	Am. Mineral. 54, 326	Later described under the name chaoite: Naturwissenschaften 56, 493	a

UM1968-//E:PbPdPtSn	*Genkin (1968), 1	CIM Sp. Vol. 23, 177	Mixture of atokite + rustenburgite (CIM Sp. Vol. 23, 182)	d
UM1968-//S:AgBiCuPb	Neues Jb. Mineral. Mh. (1968), 236	Am. Mineral. 54, 990	Later described under the name hodrushite: Mineral. Mag. 37 (1970), 641	a
UM1968-//Se:BiS	*Izv. Akad. Nauk Kaz. SSR (1968) (5), 42	Zap. Vses. Mineral. Ob. 104, 618	Bi(Se,S); later described under the name nevskite: Zap. Vses. Mineral. Ob. 113 (1984), 351	a
UM1968-//TeO:FeHZn	Tscherm. Mineral. Petrog. Mitt. 12, 108	Mineral. Abst. 19, 180	Later described under the name zemannite: Can. Mineral. 10 (1969), 139 (Abst.)	a
UM1969-//AsO:BaCu	Aufschluss 20, 85		Inadequate data; pale green Ba,Cu-arsenate (with CO ₃ ?). Diffraction pattern said to differ from known Cu-arsenates	b
UM1969-//AsO:Bi	*Actas Jornadas Geol. Argentina (4th) 1, 67	Am. Mineral. 56, 1489	Said to contain > Bi and < As than rooseveltite, but X-ray powder pattern essentially same; see also Econ. Geol. 64, 271	b,c
UM1969-//ClO:BiCdPb	*Dokl. Akad. Nauk UzbSSR (1969) (10), 41	Zap. Vses. Mineral. Ob. 102, 445	Qualitative spectrographic analysis only; suggests formula (Cd,Pb)BiClO ₂	b
UM1969-//IO:CIPb	*Deut. Mineral. Ges. Semml. Berne 1969, 35	Am. Mineral. 55, 1814; 56, 359	Later described under the name seeligerite: Neues Jb. Mineral. Mh. (1971), 210	a
UM1969-//OHS:FeMg	Am. Mineral. 54, 437		Later described under the name tochilinite: Zap. Vses. Mineral. Ob. 100 (1971), 477	a
UM1969-//S:AgBiCuPb[1]	Can. Mineral. 10, 90	Am. Mineral. 55, 1445	Later described under the name ourayite: Neues Jb. Mineral. Abh. 131 (1971), 56	a
UM1969-//S:AgBiCuPb[2]	Can. Mineral. 10, 90	Am. Mineral. 55, 1445	Appears to be wittite (on the basis of X-ray powder diffraction pattern)	c
UM1969-//S:AgPbSb	Geol. Soc. Am. Mem. 109, 107	Am. Mineral. 55, 1067	Data inadequate, but probably fizelyite	b,c
UM1969-//S:BiPb	Tscherm. Mineral. Petrog. Mitt. 13, 149	Mineral. Abst. 21, 70-2608	Appears to be lillianite (on basis of composition and cell dimensions)	c
UM1969-//S:CoSb	Can. Mineral. 10, 128	Am. Mineral. 55, 1444	Later described under the name paracostibite: Can. Mineral. 10 (1970), 232	a
UM1969-//Sb:Ni	Can. Mineral. 10, 128	Am. Mineral. 55, 1444	Later described under the name nisbite: Can. Mineral. 10 (1970), 232	a
UM1969-//Se:Cu	Can. Mineral. 10, 135	Mineral. Abst. 21, 70-1646	Later described under the name athascaite: Can. Mineral. 10 (1970), 207	a
UM1969-//SiO:AIHNa	*Medd. Grønland Unders. 181, 10	Am. Mineral. 55, 534	Later described under the name tetranatrolite, which latter was abandoned in favour of gonnardite	a
UM1969-//SiO:CaFHNbTi	*Semenov (1969), 55	Am. Mineral. 55, 2137	A silicified pyrochlore: Dokl. Earth Sci. 248 (1979), 127	b
UM1969-//SiO:CaHKNaNbTi	Can. Mineral. 10, 143	Mineral. Abst. 21, 70-1652	Mont Saint-Hilaire "UK#19-1"; later described under the name gjerdingenite-Na: Can. Mineral. 45, 529	a
UM1969-//SiO:HNbTi	Can. Mineral. 10, 143	Mineral. Abst. 21, 70-1652	Appears to be nenadkevichite; Mont St. Hilaire "UK#19-2"	c
UM1969-//SiO:NaZr	*Dokl. Akad. Nauk SSSR 189, 166	Am. Mineral. 55, 1072	Later described under the name parakeldyshite: Tr. Mineral. Muz. Akad. Nauk SSSR 22 (1975), 120	a
UM1969-//Te:BiPb	Can. Mineral. 9, 709	Mineral. Abst. 21, 70-1605	Later described under the name rucklidgeite: Zap. Vses. Mineral. Ob. 106 (1977), 62; same as 1967-//Te:BiPb	a
UM1970-//As:NiPd	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	(Pd,Ni,Cu,Rh) ₃ As; not distinguishable from Ni-rich vincentite or Ni-rich guanglinite	c
UM1970-//Bi:PbPd[1]	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Pd ₃ Pb ₃ Bi; same as UM1967-03-Bi:PbPd	c
UM1970-//Bi:PbPd[2]	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Pd(Bi,Pb); appears to be polarite	c
UM1970-//Bi:Pd	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	PdBi ₃ ; same as UM1968-01-Bi:Pd	c
UM1970-//CO:CaTe	Mineral. Record 1, 40		Later described under the name mroseite: Can. Mineral. 13 (1975), 286	a
UM1970-//E:CuPdSbSn	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	(Pd,Cu,Pt) ₄ 77(Sn,Sb); identical to UM1967-04-E:CuPdSbSn	c
UM1970-//E:CuPdPtSn	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Pd ₂ PtSnCu (reported) but close to (Pd,Cu,Pt) ₃ Sn and hence probably taimyrite or a Pt-rich cabriite	c
UM1970-//E:CuPdSn	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	(Pd,Cu) ₃ Sn (CIM Sp. Vol. 23, 187); later described under the name cabriite: Can. Mineral. 21 (1983), 481	a
UM1970-//E:PbPd[1]	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Pd ₃ Pb; appears to be zvyagintsevite	c
UM1970-//E:PbPd[2]	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Pd ₄ Pb ₃ ; same as UM1967-05-E:PbPd	c
UM1970-//E:PbPdPtSn	Geokhimiya (10), 1155	Geochem. Internat. 7, 788	(Pd,Pt) ₃ (Pb,Sn,Cu,Fe,Ni) _{0.92} ; probably very Sn-rich zvyagintsevite	c
UM1970-//E:PdPtSn	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Appears to be rustenburgite (CIM Sp. Vol. 23, 193)	c
UM1970-//O-V	*Dokl. Akad. Nauk SSSR 193, 683.	Am. Mineral. 56, 1487	Later described under the name shcherbinaite: Zap. Vses. Mineral. Ob. 101 (1972), 464	a
UM1970-//OH:FeGeZn	Neues Jb. Mineral. Abh. 114, 89	Am. Mineral. 56, 1488	Mineral "A"; appears to be Zn-bearing stottite	c

UM1970-//OH:FeSn	Neues Jb. Mineral. Abh. 114, 89	Am. Mineral. 56, 1488	Mineral "D"; later described under the name natanite: Zap. Vses. Mineral. Ob. 110 (1981), 492	a
UM1970-//OH:MnSn	Neues Jb. Mineral. Abh. 114, 89	Am. Mineral. 56, 1488	(Fe,Mn)(Sn,Ge)(OH) ₆ ; mineral "C"; Ge-bearing wickmanite	c
UM1970-//OH:Sn	Neues Jb. Mineral. Abh. 114, 89	Zap. Vses. Mineral. Ob. 101, 281	Mineral "E"; an incomplete analysis; may be varlamoffite	b,c
UM1970-//OHS:FeMg	Am. Mineral. 55, 283		Appears to be same as UM1969-//OHS:FeMg; see also UM1972-//OHS:FeMg	c
UM1970-//PO:Fe	Am. Mineral. 55, 135		A basic iron phosphate; later described under the name kidwellite: Mineral. Mag. 42 (1978), 137	a
UM1970-//S:AgBiPb	Can. Mineral. 10, 173	Am. Mineral. 56, 634	Phase "X"; Later described under the name vikingite: Neues Jb. Mineral. Abh. 131, 56	a
UM1970-//S:BiTe	Geol. Geofiz. 11, 123	Am. Mineral. 56, 1839	Mineral "L"; indistinguishable from protojoséite on the basis of reported data	c
UM1970-//S:CuFe	Am. Mineral. 55, 913	Mineral. Abst. 21, 70-3391	Appears to be nukundamite (see Am. Mineral. 65, 407)	c
UM1970-//S:CuFeSn	Mineralium Deposita 5, 29	Am. Mineral. 55, 1811	Described initially under the working name "LU", it is identical to petrukite described later: Can. Mineral. 27 (1989), 673	a,c
UM1970-//S:IrOsRu	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	(Ru,Os,Ir) ₃ S ₄ ; identical to UM1965-10-S:IrOsRu	c
UM1970-//Se:Pd	Bull. Soc. fr. Minéral. Crist. 93, 476		PdSe ₂ ; later described under the name verbeekite: Mineral. Mag. 66, 173	a
UM1970-//SiO:AlIi	Carnegie Inst. Wash. Year Book 68, 339	Am. Mineral. 55, 1815	Later described under the name virgilite: Am. Mineral. 63 (1978), 461	a
UM1970-//SiO:CaFeTiYZr	*Naturwissen. 57, 98	Mineral. Abst. 21, 70-3643	Inadequate data	b
UM1970-//SiO:FeTiYZr	*Proc. Apollo 11 Lunar Sci. Conf. 1, 221	Mineral. Abst. 22, 71-2115	Inadequate data	b
UM1970-//S:CuSb	*Zap. Vses. Mineral. Ob. 99, 68	Am. Mineral. 56, 358	Cu(Sn,Sb); later described under the name sorosite: Am. Mineral. 83 (1998), 901	a
UM1970-//Te:BiPd	*Geokhimiya (10), 1155	Geochem. Internat. 7, 788	Pd ₂ Bi ₂ Te ₃ ; same as UM1970-27-Te:BiPd	c
UM1970-//TeO:Fe	Mineral. Record 1, 40		Inadequate data; possibly kinichilite	b
UM1970-//TeO:U	Mineral. Record 1, 40		Later described under the name schmitterite: Am. Mineral. 56 (1971), 411	a
UM1971-//[1]	Am. Mineral. 56, 395		"UN-3"; yellow or pink powder; no chemical data	b
UM1971-//[2]	Am. Mineral. 56, 395		"UN-4"; ochre-yellow powder; no chemical data	b
UM1971-//[3]	Am. Mineral. 56, 395		"UN-10"; a light yellow stain; no chemical data	b
UM1971-//[4]	Am. Mineral. 56, 395		"UN-11"; later described under the name caysichite: Can. Mineral. 12 (1974), 293	a
UM1971-//[5]	Am. Mineral. 56, 395		"UN-12"; a canary-yellow stain; no chemical data	b
UM1971-//[6]	Am. Mineral. 56, 395		"UN-13"; a yellowish white powder; no chemical data	b
UM1971-//[7]	Am. Mineral. 56, 395		"UN-16"; later described under the name caysichite: Can. Mineral. 12 (1974), 293	a
UM1971-//[8]	Am. Mineral. 56, 395		"UN-17"; Greenish yellow prismatic crystals; no chemical data	b
UM1971-//[9]	Am. Mineral. 56, 395		"UN-18"; reddish brown, waxy; no chemical data	b
UM1971-//AsO:CuFeS	Mineral. Record 2, 214	Am. Mineral. 57, 1004	Mineral "6b"; inadequate data	b
UM1971-//AsO:Fe	*Ann. Rept. Univ. Leeds Res. Inst. African Geol. 15, 63	Am. Mineral. 57, 1315	An iron arsenate later described under the name karibibite: Lithos 6 (1973), 265; transferred from Valid list	a
UM1971-//E:PbPdPtSn	*Zap. Vses. Mineral. Ob. 100, 171	Am. Mineral. 57, 596	Later described under the name atokite: Can. Mineral. 13 (1975), 146	a
UM1971-//E:PdPtSn	*Zap. Vses. Mineral. Ob. 100, 171	Am. Mineral. 57, 595	Later described under the name rustenburgite: Can. Mineral. 13 (1975), 146	a
UM1971-//PO:HMgU	*Bol. Inst. Geosci. Astron. Univ. Sao Paulo, 2, 83	Am. Mineral. 59, 212	Mineral "X"; later described under the name phurcalite: Can. Mineral. 29 (1991), 95	a
UM1971-//S:AgBiCu	Soc. Mining Geol. Japan Spec. Issue 2, 35	Am. Mineral. 57, 1316	(Ag,Cu,Pb) ₃ Bi ₇ S ₁₂ ; "Phase II"; formerly coded as UM1971-05-S:AgBiCu but not compositionally distinct from benjaminite	c
UM1971-//S:AgBiCuPb[1]	Soc. Mining Geol. Japan Spec. Issue 2, 35	Am. Mineral. 57, 1316	Phase "VII"; (Ag _{0.9} Cu _{0.1})PbBi ₃ S ₆ ; appears to be gustavite with minor Cu	c
UM1971-//S:AgBiCuPb[2]	Soc. Mining Geol. Japan Spec. Issue 2, 35	Am. Mineral. 57, 1316	Ag ₅ Cu ₂ PbBi ₁₃ S ₂₄ ; phase "V"; not compositionally distinct from dantopaite described later	a
UM1971-//S:AgPbSb	*Dokl. Akad. Nauk SSSR 199, 1138	Zap. Vses. Mineral. Ob. 102, 441	AgPb ₂ Sb ₃ S ₇ ; probably fizelyite	c
UM1971-//S:BiTe	*Godovikov <i>et al.</i> (1971), 84	Zap. Vses. Mineral. Ob. 102, 443	Indistinguishable from sulphotsumoite (described 1982), on the basis of data reported	c
UM1971-//S:Hg	*Zap. Vses. Mineral. Ob. 100, 731	Mineral. Abst. 23, 72-2291	Gamma-HgS; later described under the name hypercinnabar: Am. Mineral. 63 (1978), 1143	a
UM1971-//SO:AlCu	Mineral. Record 2, 214	Am. Mineral. 57, 1004	Some similarities to cyanotrichite; later described under the name grandviewite: Austral. J. Mineral. 14 (2) (2008), 3	a
UM1971-//SiO:AlBaKNaTi	Mineral. Record 2, 191	Mineral. Abst. 23, 72-1407	Later described under the name jonesite: Mineral. Record 8, 453	a
UM1971-//SiO:AlCaCeFeTh	Meliksetyan (1971), 117	Zap. Vses. Mineral. Ob. 102, 451	Metamict; semi-quantitative analysis only	b
UM1971-//SiO:FHREETIY	*Materialy. Mineral. Kol'sk Poluostr. 8, 176	Mineral. Abst. 25, 74-1453	Partial chemical analysis; X-ray powder diffraction data; identical to yftisite	c

UM1971-//SiO:KZr	*Izv. Akad. Nauk SSSR Neorg. Mater. 7, 180	Zap. Vses. Mineral. Ob. 101, 286	Later described under the name khibinskite: Zap. Vses. Mineral. Ob. 103 (1974), 110	a
UM1971-//TaO:Mg	Am. Mineral. 56, 395		"UN-17"; perhaps $Mg_{1.5}Ta_2O_{5+y}$; inadequate data	b
UM1971-//Te:AgAu	Trudy Inst. Geol. Nauk AN KazSSR 31, 16	Zap. Vses. Mineral. Ob. 102, 444	Approximate formula: $Ag_{1.1}AuTe_{3.8}$; probably sylvanite	c
UM1971-//Te:BiPb	*Geol. Rudn. Mest. 13, 99	Zap. Vses. Mineral. Ob. 102, 444	Varies between $Bi_{2.51}Pb_{0.44}Te_3$ & $Bi_{2.45}Pb_{2.50}Te_{3.42}$; compositional latitude does not permit unequivocal identification	b
UM1971-//VO:BiCu	*Ann. Rept. Univ. Leeds Res. Inst. African Geol. 15, 63	Am. Mineral. 57, 1315	Appears to be namibite	c
UM1972-//As:PdTe	Izv. Akad. Nauk SSSR, Ser. Geol. No. 11, 85	CIM Sp. Vol. 23, 177	Later described under the name vincentite: Mineral. Mag. 39 (1974), 525	a
UM1972-//AsO:CaH	Aufschluss 23, 279	Am. Mineral. 58, 561	Later described under the name ferrarisite: Bull. Minéral. 103 (1980), 533	a
UM1972-//AsO:CaHMg	Aufschluss 23, 279	Am. Mineral. 58, 561	Later described under the name camgasite: Aufschluss 40 (1989), 369	a
UM1972-//AsO:U	Aufschluss 9, 279		An amorphous U-arsenate; inadequate data	b
UM1972-//AsSO:Ca	Aufschluss 23, 279	Am. Mineral. 58, 561	Later described under the name machatschkiite: Tschemm. Mineral. Petrog. Mitt. 24 (1977), 125	a
UM1972-//Bi:PbPdTe	*Yushko-Zakharova <i>et al.</i> (1972), 58	Zap. Vses. Mineral. Ob. 103, 613	Indistinguishable from Pb- and Te-bearing sobolevskite	c
UM1972-//Bi:Pd[1]	*Yushko-Zakharova <i>et al.</i> (1972), 58	Zap. Vses. Mineral. Ob. 103, 613	Probably sobolevskite	c
UM1972-//Bi:Pd[2]	*Yushko-Zakharova <i>et al.</i> (1972), 58	Zap. Vses. Mineral. Ob. 103, 613	Pd ₂ Bi; indistinguishable from UM1970-03-Bi:Pd	c
UM1972-//CO:HKMg	Schweiz. Mineral. Petrog. Mitt. 52, 93	Am. Mineral. 58, 139	Later described under the name baylissite: Schweiz. Mineral. Petrog. Mitt. 56, (1976) 187	a
UM1972-//COCl:HPb	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. 6, 82	Am. Mineral. 59, 211	Later described under the name barstowite: Mineral. Mag. 55 (1991), 121	a
UM1972-//E:CuSn	Neues Jb. Mineral. Mh. (1972), 108	Am. Mineral. 58, 347	Same as UM1965-06-E:CuSn	c
UM1972-//E:PdPt	*Horvath <i>et al.</i> (1972)	Zap. Vses. Mineral. Ob. 102, 436	Qualitative analysis only; minor Au, Bi, Sb, Pb & As	b
UM1972-//O:CaFeTiZr	Nature, Phys. Sci. 236, 215	Am. Mineral. 58, 141	Mineral "X"; later described under the name lovingite: Am. Mineral. 63 (1978), 28	a
UM1972-//OH:ClCuZn	Neues Jb. Mineral. Mh. (1972), 335	Mineral. Abst. 24, 73-1934	Given working name "anarakite" but subsequently shown to be a Zn-bearing paratacamite (see Embrey & Fuller, 1980)	c
UM1972-//OHS:FeMg	Am. Mineral. 57, 1037		Appears to be tochilinite: Zap. Vses. Mineral. Ob. 100 (1971), 477; see also UM1970-//OHS:FeMg & UM1969-//OHS:FeMg	c
UM1972-//PO:[1]	*Ann. Rept. Univ. Leeds Res. Inst. African Geol. 16, 56	Am. Mineral. 59, 1140	White rosettes; data are inadequate for recognition	b
UM1972-//PO:[2]	*Ann. Rept. Univ. Leeds Res. Inst. African Geol. 16, 56	Am. Mineral. 59, 1140	Greenish yellow mineral; data are inadequate for recognition	b
UM1972-//PO:CaFeMnNa	24 th IGC, Rept. 14, 183	Mineral. Abst. 24, 73-4070	Metamict; probably ferroalluaudite or arrojadite	b,c
UM1972-//S:AsPb	Neues Jb. Mineral. Mh. (1972), 433	Am. Mineral. 58, 967	Identical to UM1966-04-S:AsPb	c
UM1972-//S:BiCuPb	*Borodaev & Mozgova (1972)	Zap. Vses. Mineral. Ob. 102, 441	(Cu) _{0.4-1.8} (Pb) _{0.4-1.8} (Bi) _{6.2-7.6} S ₁₂ ; several minerals lie within these ranges	b
UM1972-//S:Cu	Nature, Phys. Sci. 238, 123	Am. Mineral. 58, 561	Later described under the name roxbyite: Mineral. Mag. 53 (1989), 323	a
UM1972-//S:CuFe	*J. Geol. Soc. India 13, 185	Mineral. Abst. 24, 73-1878	Appears to be identical to UM1970-24-S:CuFe.	c
UM1972-//S:FeMnZn	Meteoritics 7, 429	Am. Mineral. 58, 806	(Fe _{0.54} Zn _{0.25} Mn _{0.16})S. The Fe-dominant end-member later described as rudashevskyite; formerly coded as UM1972-12-S:FeMnZn	c
UM1972-//S:Rh	*Sci. Repts. Kagoshima-Kokkaido Univ. 21, 119	Am. Mineral. 67, 1080	Approximate formula RhS; inadequate data; not known synthetically; perhaps the same as UM1976-18-S:RhRu	b
UM1972-//Sb:Pt	Minerals Sci. Eng. 4, 3	Mineralium Deposita 10, 71	"PtSb"; very low total; probably same as UM1975-17-Sb:PtPd with Pd having been missed	c
UM1972-//SiO:AlCaFeNa	*Semenov (1972)	Zap. Vses. Mineral. Ob. 102, 456	Inadequate data	b
UM1972-//SiO:AlHKNa	*Semenov (1972)	Zap. Vses. Mineral. Ob. 102, 456	$KNaAl_2Si_4O_{12} \cdot 2H_2O$; appears to be indistinguishable from UM1967-09-SiO:AlHKNa	c
UM1972-//SiO:FeTi	*Semenov (1972)	Zap. Vses. Mineral. Ob. 102, 456	Inadequate data	b
UM1972-//SiO:HNaZr	Semenov (1972)	Khomyakov (1995)	Formula given as $H_3NaZrSi_6O_{16} \cdot nH_2O$; said by Khomyakov (1995) to be the same as UKI-1969-(SiO:HNaZr)	c
UM1972-//Te:AgPd	*Izv. Akad. Nauk SSSR, Ser. Geol. #11, 85	CIM Sp. Vol. 23, 177	Later described under the name telargpalite: Zap. Vses. Mineral. Ob. 103 (1974), 595; (CIM Sp. Vol. 23, 184)	a

UM1972-//VO:CuPPb	*Ann. Rept. Univ. Leeds Res. Inst. African Geol. 16, 53	Mineral. Abst. 24, 73-1946	The mineral is probably mottramite	c
UM1973-//As:NiPd	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Later described under the name majakite: Zap. Vses. Mineral. Ob. 105 (1976), 698; (see also UM1967-//As:NiPd)	a
UM1973-//As:PbPd	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Later described under the name borishanskiite: Zap. Vses. Mineral. Ob. 104 (1975), 57	a
UM1973-//Bi:Pd	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	(Pd) _{1±x} Bi; later described under the name sobolevskite: Zap. Vses. Mineral. Ob. 104 (1975), 568	a
UM1973-//CO:BaFREE	*Geochimica 1, 31	Am. Mineral. 60, 738	Later described under the name cebaite-(Ce): Sci. Geol. Sinica 4 (1975), 409	a
UM1973-//E:AuCu	*Geol. Rudn. Mest. 15, 32	Zap. Vses. Mineral. Ob. 104, 617	Semiquantitative analysis gives Cu ₃ Au ₂ -CuAu; possibly = cuproauride or tetraauricupride	b,c
UM1973-//E:AuCuPd	*Geol. Rudn. Mest. 15, 32	Zap. Vses. Mineral. Ob. 104, 617	A Pd-bearing auricupride later given the unnecessary name rozhkovite: Trudy Mineral. Muz. Akad. Nauk SSSR 24, 93	c
UM1973-//E:CuPdPtSn	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Later described under the name taimyrite: Zap. Vses. Mineral. Ob. 111 (1982), 78	a
UM1973-//E:PdSn	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Later described under the name paolovite: Geol. Rudn. Mest. 16 (1974), 98	a
UM1973-//E:PdPtSn[1]	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Pt ₇ Pd _{4.5} Sn ₄ - the mineral is not distinguishable from rustenburgite	c
UM1973-//E:PdPtSn[2]	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Disordered form of (Pd,Pt) ₃ Sn, a mineral later described under the name rustenburgite	a
UM1973-//E:PdPtSn[3]	*Trudy TsNIGRI 108, 96	Am. Mineral. 61, 179	Disordered form of (Pd,Pt) ₃ Sn, a mineral later described under the name atokite; same as UM1971-//E:PbPdPtSn	a
UM1973-//O:Ti	Geochim. Cosmochim. Acta 37, 761		Main component TiO ₂ ; minor Al, Mg, Te, P (or Zr); may be armalcolite	b,c
UM1973-//S:AgBiPb	*Sci. Rept. Tohoku Univ., Ser.3, 12, 69	Am. Mineral. 59, 1139	Probably same as UM1972-09-S:AgBiPbSb; similarities to vikingite	c
UM1973-//S:BiPb	*Sci. Rept. Tohoku Univ., Ser.3, 12, 69	Am. Mineral. 59, 1139	Appears to be bursaite	c
UM1973-//S:CrFeTi	Meteoritics 8, 48	Am. Mineral. 58, 1115	Later described under the name heideite: Am. Mineral. 59 (1974), 463	a
UM1973-//S:CuFeSnZn	Can. Mineral. 12, 46		Later described under the name petrukite: Can. Mineral. 27 (1989), 673	a
UM1973-//S:CuMo	*Spraw. Pos. Komis. Nauk PAN Krakowie 16, 248	Zap. Vses. Mineral. Ob. 104, 618	X-ray powder diffraction pattern similar to that of molybdenite; may be a mixture	d
UM1973-//SO:FeNi	*Smithsonian Contr. Earth Sci. 10, 1	Nature 306, 354	Inadequate data	b
UM1973-//SiO:	Mineral. Record 4, 205		X-ray powder diffraction pattern, but no compositional data; may be a zeolite	b
UM1973-//SiO:CaZr	Can. Mineral. 12, 211	Am. Mineral. 61, 178	Later described under the name gittinsite: Can. Mineral. 18 (1980), 201	a
UM1973-//SiO:HSrTi	*Mineral. J. 7, 298	Am. Mineral. 59, 1140	Later described under the name ohmilite: Mineral J. (Japan) 7 (1973), 298	a
UM1973-//SiO:KZr	*Trudy Mineral. Muz. Akad. Nauk SSSR 22, 215	Am. Mineral. 59, 1140	Later described under the name khibinskite: Zap. Vses. Mineral. Ob. 103 (1974), 110; same as UM1971-//SiO:KZr	a
UM1973-//SiO:NaZr	*Trudy Mineral. Muz. Akad. Nauk SSSR 22, 215	Am. Mineral. 59, 1140	Later described under the name parakeldyshite: Can. Mineral. 15 (1977), 102	a
UM1973-//Te:AgPbPd	Internat. Geol. Rev. 15, 1284		(Pd,Ag) ₃ (Ag,Pb)(Te,Se); same as UM1972-16-Te:AgPbPd	c
UM1973-//Te:BiPdPt	*Geochimica 1, 23	Zap. Vses. Mineral. Ob. 106, 86	(Pd,Pt)(Te,Bi) ₂ ; apparently merenskyite	c
UM1973-//Te:BiPdSb	Can. Mineral. 11, 903		Inadequate data; could be Sb- and Bi-bearing kotulskite	b,c
UM1973-//VO:Bi	*Contr. Mineral. Petrol. 41, 325	Mineral. Abst. 25, 74-507	Later described under the name clinobisvanite: Mineral. Mag. 39 (1973), 847	a
UM1974-//E:AuCu	Neues Jb. Mineral. Mh. (1974), 1	Eur. J. Mineral. 3, 451	CuAu _{2.6} ; not distinct from Cu-bearing gold	c
UM1974-//O:TiYZn	Am. Mineral. 59, 172.		Mineral "Y"; later shown to be a Zn,REEY-bearing variety of senaite: Mineral. Mag. 48 (1984), 97	c
UM1974-//S:BiCuPb[1]	*Kolkovski & Borodaev (1974), 419	Am. Mineral. 63, 427	Appears to be identical to friedrichite described later (see Can. Mineral. 16, 127)	c
UM1974-//S:BiCuPb[2]	*Kolkovski & Borodaev (1974), 419	Am. Mineral. 63, 427	Appears to be identical to the previously described mineral lindströmite	c
UM1974-//S:CuFeNi[1]	*Geol. Rudn. Mest. 16 (5), 36	Zap. Vses. Mineral. Ob. 104, 617	Cu ₁₆ (Fe,Ni) ₁₉ S ₃₂ ; later described under the name putoranite: Zap. Vses. Mineral. Ob. 109 (1980), 335	a
UM1974-//S:CuFeNi[2]	*Geol. Rudn. Mest. 16 (5), 36	Zap. Vses. Mineral. Ob. 104, 617	Cu ₁₇ (Fe,Ni) ₁₇ S ₃₂ ; later described under the name putoranite: Zap. Vses. Mineral. Ob. 109 (1980), 335	a
UM1974-//Sb:Pd	*Geochimica 3, 169	Am. Mineral. 61, 182	Pd ₂ Sb; later described under the name naldrettite: Mineral. Mag. 69 (2005), 89	a
UM1974-//SiO:BaFeHNaSrTi	Mineral. J. (Japan) 7, 395		Appears to be same as bario-orthojoaquinite described later (see Am. Mineral. 67, 809)	a,c
UM1974-//SiO:BaSrV	*Mineral. J. 7, 421	Am. Mineral. 61, 178	(Ba,Sr)VSi ₂ O ₇ ; the Ba-analogue of haradaite; later described under the name suzukiite: Mineral. J. 11 (1982), 15	a
UM1974-//SiO:U	Am. Mineral. 59, 166		Later described under the name uranosilite: Neues Jb. Mineral. Mh. (1983), 259	a
UM1974-//Te:BiPd	Econ. Geol. 69, 263	Am. Mineral. 61, 179	Analysis is from a 2-phase intergrowth	d
UM1974-//Te:NiSb	*Geochimica 3, 169	Am. Mineral. 61, 182	Ni ₂ SbTe ₂ ; later described under the name vavřinite: Can. Mineral. 45 (2007), 1213; formerly coded as UM1974-22-Te:NiSb	c
UM1974-//Te:Pd	*Geochimica 3, 169	Am. Mineral. 61, 182	PdTe; appears to be kotulskite	c
UM1975-//As:CuPd	Can. Mineral. 13, 321	Am. Mineral. 62, 1061	Inadequate data	b

UM1975-/-As:NiPd[1]	Can. Mineral. 13, 321	Am. Mineral. 62, 1261	Later described under the name menshikovite: Mineral. Mag. 64 (2000), 847	a
UM1975-/-As:NiPd[2]	*Internat. Geol. Rev. 17, 6	Am. Mineral. 61, 179	Approximate formula: (Ni,Pd) ₇ As ₃ ; a second report of UM1973-01-As:NiPd	c
UM1975-/-As:RuS	Minerals Sci. Eng. 7, 189		Ru(As,S) ₂ ; indaequate data; perhaps the same as anduoite or possibly ruarsite	b,c
UM1975-/-AsSO:Cu	Aufschluss 26, 369	Am. Mineral. 62, 175	Same as UM1972-03-AsOSO:Cu	c
UM1975-/-Bi:PtSb	Mineralium Deposita 10, 71		(Pt,Pd)(Bi,Sb,As); same as UM1974-02-Bi:AsPdPtSb	c
UM1975-/-CO:CuZn	Aufschluss 26, 369	Am. Mineral. 62, 175	Later described under the name claraite: Chem. Erde 41 (1982), 97	a
UM1975-/-E:CuFePdPt	*Dokl. Earth Sci. 224, 97	CIM Sp. Vol. 23, 177	(Cu,Pd,Fe,Pt); 3.2 wt.% Te may be extraneous (CIM Sp. Vol. 23, 186); indistinguishable from skaergaardite described in 2004: Mineral. Mag. 68, 615	c
UM1975-/-E:HgPd	*Dokl. Earth Sci. 224, 97	CIM Sp. Vol. 23, 177	Hg ₃ Pd ₂ (?); low analytical total and uncertain stoichiometry (CIM Sp. Vol. 23, 182)	b
UM1975-/-E:PbPdPtSn	*Internat. Geol. Rev. 17, 6	Am. Mineral. 61, 179	Appears to be UM1973-13-E:PbPdPtSn; second report of same mineral	c
UM1975-/-S:AgPbSb	*Norsk Geol. Tidsskr. 55, 185	Am. Mineral. 61, 1055	Indistinguishable from zoubekite on available data	c
UM1975-/-S:CuFe	*Neues Jb. Mineral. Abh. 125, 107	Mineral. Abst. 27, 76-1500	(Cu,Fe) ₂ S ₃ ; no data	b
UM1975-/-S:CuIrRh	*Dokl. Akad. Nauk SSSR 225, 1408	Am. Mineral. 62, 175	Later described under the name kashinite: Zap. Vses. Mineral. Ob. 105 (1985), 698	a
UM1975-/-S:IrRh	*Dokl. Akad. Nauk SSSR 225, 1408	Am. Mineral. 62, 175	(Rh,Ir) ₂ S ₃ ; later described under the name bowieite: Can. Mineral. 22 (1984), 543	a
UM1975-/-S:NiSb	Minerals Sci. Eng. 7, 189		Ni ₉ Sb ₂ S ₈ ; later described under the name tucekte: Mineral. Mag. 42 (1978), 278	a
UM1975-/-S:Rh	Minerals Sci. Eng. 7, 189		RhS ₂ ; indaequate data; perhaps the same as UM1978-14-S:CuFePtRh	b,c
UM1975-/-Sb:Pd	Can. Mineral. 13, 321	Am. Mineral. 62, 1061	Pd ₈ Sb ₃ ; indistinguishable from stibiopalladinite or merteite-II on available data	c
UM1975-/-SiO:AlFeHMgNi	Mineral. Mag. 40, 200	ICDD 29-0862	Probably Fe- and Ni-bearing clinocllore	c
UM1975-/-WO:Cu	Aufschluss 26, 369	Am. Mineral. 62, 175	Some, but not all, diffraction lines fit well with cuprotungstite	b
UM1976-/-As:CuFePt	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-As:PdSn	Econ. Geol. 71, 249	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-AsO:FeHS	Neues Jb. Mineral. Mh. (1976), 426	Zap. Vses. Mineral. Ob. 107, 343	Later described under the name zykaite: Neues Jb. Mineral. Mh. (1978), 134	a
UM1976-/-BO:HMg	*Mitteilungsbl. Landesmuseums "Joanneum", Abt. Mineral. 44, 35	Am. Mineral. 62, 1261	Later described under the name admontite: Tscherm. Mineral. Petrog. Mitt. 26 (1981), 69	a
UM1976-/-Bi:PdSbTe	Econ. Geol. 71, 1451	Am. Mineral. 62, 598	Pd(Bi,Sb,Te); probably sobolevskite with partial ss towards sudburyite and kotulskite; formerly coded as UM1976-08-Bi:PdSbTe	c
UM1976-/-CO:LaNd	Geol. Surv. Canada, Pap. 76-1B, 353	Zap. Vses. Mineral. Ob. 107, 342	Later named lanthanite-(Nd): Geol. Surv. Canada, Pap. 80-1C (1980), 141	a
UM1976-/-E:CuPdPtSn	*Zap. Vses. Mineral. Ob. 105, 206	Mineral. Abst. 28, 77-890	(Pd ₂ .09Pt _{0.25} Cu _{0.72})Sn _{0.94} ; appears to be same as UM1970-06-E:CuPdPtSn	c
UM1976-/-E:FePdPtSn	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-E:HgPd	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-E:PdSbSn	*Trudy TsNIGRI 122, 107	Zap. Vses. Mineral. Ob. 107, 340	Pd ₂ (Sn,Sb); probably Sb-bearing paolovite; formerly coded as UM1976-27-Sn:PdSb	c
UM1976-/-E:PtRhRu	Econ. Geol. 71, 1399	Mineral. Petrol. 60, 185	Dubiously identified on the basis of a list of constituent elements	b
UM1976-/-NbO:REE	*Geol. Geofiz. (1976) (4), 141	Am. Mineral. 62, 397	REENbO ₄ ; appears to be beta-fergusonite-(Nd)	c
UM1976-/-O:NbU	*Rev. Asoc. Geol. Argentina 31, 232	Am. Mineral. 63, 1284	Distinctive X-ray powder pattern and qualitative composition; not distinct from carlosbarboasite: Mineral. Mag. 76 (2012), 75; transferred from Valid list	c
UM1976-/-S:AgAsCuFe	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	Qualitative compositional data only	b
UM1976-/-S:AsCoCu	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	Qualitative compositional plus reflectance data	b
UM1976-/-S:AsCoNi	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	Qualitative compositional plus reflectance data	b
UM1976-/-S:AsFeNi	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	(Ni,Fe)AsS; intermediate between gersdorffite and arsenopyrite	b
UM1976-/-S:AsPdSbSn	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-S:BiPtSn	Econ. Geol. 71, 1244	Mineral. Petrol. 60, 185	Only qualitative compositional data	b
UM1976-/-S:Co	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	CoS; quantitative microprobe analysis and reflectivity data; probably jaipurite	c
UM1976-/-S:CoCuFeNi	Econ. Geol. 71, 1429	Am. Mineral. 62, 596	(Cu,Ni,Fe,Co) ₃ S ₄ ; only qualitative compositional data; probably fletcherite	b,c
UM1976-/-S:CoCuIrNiPtRh	Econ. Geol. 71, 1244	Mineral. Petrol. 60, 185	Only qualitative compositional data	b
UM1976-/-S:CuInSe	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	Qualitative data only; in myrmekitic intergrowth with bornite	b
UM1976-/-S:CuNiPtRh	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-S:CuPtRh	Econ. Geol. 71, 1244	Mineral. Petrol. 60, 185	Only qualitative compositional data	b
UM1976-/-S:CuSeSnW	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	Qualitative compositional plus reflectance data	b
UM1976-/-S:PtSn	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b

UM1976-/-SO:FeHN	Am. Mineral. 61, 1		NH ₄ Fe(SO ₄) ₂ •12H ₂ O; later described under the name loncreekite: Annal. Geol. Surv. S. Africa 17 (1983), 29	a
UM1976-/-Sb:AsPd	Econ. Geol. 71, 249	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-Sb:BiPdTe	Econ. Geol. 71, 1451	Am. Mineral. 62, 598	Probably identical to UM1976-23-Sb:BiPdTe	c
UM1976-/-Se:AgAu	Geol. Surv. Canada, Pap. 76-1, 311	Zap. Vses. Mineral. Ob. 107, 342	Qualitative compositional data only; perhaps fischesserite	b,c
UM1976-/-SiO:CaKTI	*Mineral. J. 8, 110	Zap. Vses. Mineral. Ob. 109, 82	Qualitative chemistry; inadequate data	b
UM1976-/-SiO:H	*Z. Krist. 143, 156	Mineral. Abst. 28, 77-2190	SiO ₂ •nH ₂ O; designated "SiO ₂ -G"; later described under the name mogánite: Neues Jb. Mineral. Abh. 149 (1978), 325	a
UM1976-/-SiO:HNaZr	*Trudy Mineral. Muz. Akad. Nauk SSSR 25, 90	Khomyakov (1995)	(Na,Ca) ₂ Zr ₂ Si ₄ O ₁₂ (OH,O)•3H ₂ O; mineral "M34" of Khomyakov (1995); same as UM1975-22-SiO:HNaZr	c
UM1976-/-SiO:Th	Mineral. Mag. 40, 737		Probably altered thorite	b
UM1976-/-Te:AgBiPb	*Geol. Rudn. Mest. (1976) 111	Am. Mineral. 62, 597	Later described under the name ruckledgeite: Zap. Vses. Mineral. Ob. 106 (1977), 62	a
UM1976-/-Te:AgPd	Econ. Geol. 71, 1159	Am. Mineral. 62, 596	Later described under the name sopcheite: Zap. Vses. Mineral. Ob. 111 (1982), 114	a
UM1976-/-Te:BiFePd	Econ. Geol. 71, 1377	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1976-/-Te:BiPbS	*Geol. Rudn. Mest. (1976) 111	Am. Mineral. 62, 597	Mineral "D"; later described under the name aleksite: Zap. Vses. Mineral. Ob. 107 (1978), 315	a
UM1976-/-Te:BiPd	Econ. Geol. 71, 1429	Mineral. Petrol. 60, 185	"Phase D"; of indeterminate stoichiometry	b
UM1976-/-Te:HgPd	Econ. Geol. 71, 1244	Mineral. Petrol. 60, 185	(Pd,Hg)Te; mineral "M"; apparently the same as mineral "A" - UM1966-/-Te:HgPd	c
UM1977-/-E:CuFeNiPtSb	Can. Mineral. 15, 380	CIM Sp. v.30, p.177	"Alloy 1"; probably a Ni- & Cu-bearing variety of tetraferroplatinum	c
UM1977-/-E:FePt	Can. Mineral. 15, 380	Mineral. Petrol. 60, 185	Grain nos. 9 & 10; probably Fe-bearing platinum	c
UM1977-/-O:AlCa	*Geol. Surv. Israel Bull. 70, 1	Am. Mineral. 63, 425	Later described under the name grossite: Eur. J. Mineral. 6 (1994), 591	a
UM1977-/-O:BaKTI	*Austral. J. Chem. 30, 1195	Am. Mineral. 63, 795	Later described under the name jeppeite: Mineral. Mag. 48 (1984), 263	a
UM1977-/-PO:AlHU[1]	Bull. Soc. belge Géol. 86, 183		A hydrated U,Al-phosphate: mineral "A"; later described under the name phuralumite: Bull. Minéral. 102 (1979), 333	c
UM1977-/-PO:AlHU[2]	Bull. Soc. belge Géol. 86, 183		A hydrated U,Al-phosphate; mineral "B"; later described under the name upalite: Bull. Minéral. 102 (1979), 333	c
UM1977-/-PO:AlHU[3]	Bull. Soc. belge Géol. 86, 183		A hydrated U,Al-phosphate; minerals "C" & "D"; later described under the name mundite: Bull. Minéral. 104 (1981), 669	c
UM1977-/-PO:AlHU[4]	Bull. Soc. belge Géol. 86, 183		A hydrated U,Al-phosphate; mineral "E"; later named ranunculite: Mineral. Mag. 43 (1979), 321	c
UM1977-/-PO:AlHU[5]	Bull. Soc. belge Géol. 86, 183		A hydrated U,Al-phosphate; mineral "F"; later identified as furongite: Ann. Soc. Géol. Belg. 108 (1985), 365	c
UM1977-/-PO:AlHU[6]	Bull. Soc. belge Géol. 86, 183		A hydrated U,Al-phosphate; mineral "G"; later described under the name moreauite: Bull. Minéral. 108 (1985), 9	c
UM1977-/-PO:CrFeMg	Mineral. Mag. 41, 91		Analysis of possibly heterogenous decomposition products, with very low total	b,d
UM1977-/-SO:AlHN	Am. Mineral. 62, 316		Product of a burning coal seam; later described under the name godovikovite: Zap. Vses. Mineral. Ob. 117 (1988), 211	a
UM1977-/-SO:CaHU	Aufschluss 28, 177		Only qualitative compositional data; X-ray pattern not distinct from rabejacite	c
UM1977-/-SiO:AlCaHKNa	Sci. Repts. Niigata Univ. Ser. E., Geol. No.4, 49	Am. Mineral. 64, 244	A Na-analogue of dachiardite later named sodium dachiardite: Sci. Rep. Niigata Univ. Ser. E Geol. 4 (1977), 49; subsequently renamed dachiardite-Na	a
UM1977-/-SiO:BaFeMgTi	*Geochem. J. 11, 137	Am. Mineral. 63, 795	Inadequate data; >40% impurities may be included in analysis	b,d
UM1977-/-SiO:HNaZr	Can. Mineral. 15, 102	Khomyakov (1995)	(Na,Ca) ₂ Zr ₂ Si ₄ O ₁₂ (OH,O)•3H ₂ O; mineral "M34" of Khomyakov (1995); same as UM1975-22-SiO:HNaZr	c
UM1978-/-CH:O	*Mineral. Slov. 10, 539	Mineral. Abst. 30, 79-4068	Mineral "X"; an inadequately characterised organic mineral	b
UM1978-/-CO:BaCa	Geol. Surv. Canada Pap. 78-1C, 49	Am. Mineral. 64, 1332	Later described under the name paralstonite: Geol. Surv. Canada Pap. 79-1C (1978), 99	a
UM1978-/-CO:CuHSb	Grønlands Geol. Undersøgelse Bull. No.126, 1		probably a mixture	d
UM1978-/-OH:CuFeSnZn	*Novye Dannye Mineral. 27, 89	Am. Mineral. 65, 1069	Later described under the name mushistonite: Zap. Vses. Mineral. Ob. 113 (1984), 612	a
UM1978-/-E:FePdPt	*Genkin (1968)	CIM Sp. Vol. 23, 177	(Pt,Pd)Fe; later described under the name tetraferroplatinum: Can. Mineral. 13 (1975), 117	a
UM1978-/-E:IrOsPtRu[1]	Can. Mineral. 16, 641	CIM Sp. Vol. 23, 177	(Ru,Os,Ir,Pt); not distinguishable from UM1978-06-E:IrOsPtRu; (CIM Sp. Vol. 23, 190); perhaps simply impure ruthenium	c
UM1978-/-E:IrOsPtRu[2]	Can. Mineral. 16, 641	CIM Sp. Vol. 23, 177	(Ir,Pt,Os,Ru); (CIM Sp. Vol. 23, 191); not distinguishable from UM1978-07-E:IrOsPtRu; perhaps simply impure iridium	c
UM1978-/-E:IrOsPtRu[3]	Can. Mineral. 16, 641	Mineral. Petrol. 60, 185	(Os,Ir,Pt,Ru); probably impure osmium	c
UM1978-/-O:CrFeMgTi	Am. Mineral. 63, 37		Probably loveringite or possibly a Cr- and Fe-bearing pseudobrookite	c

UM1978-//PO:AlH	Rocks & Minerals 53, 214		Qualitative chemistry; X-ray powder diffraction pattern similar to planerite	c
UM1978-//PO:Fe	Mineral. Mag. 42, 137		Mineral "B"; inadequate data but X-ray diffraction pattern similar to kidwellite	b,c
UM1978-//S:BiCuPbSe	*Neues Jb. Mineral. Mh. (1978), 9	Am. Mineral. 63, 1283	Mineral "S"; later described under the name soucekite: Neues Jb. Mineral. Mh. (1979), 289	a
UM1978-//S:BiCuPbSeTe[1]	*Neues Jb. Mineral. Mh. (1978), 9	Am. Mineral. 63, 1283	(Bi,Pb,Cu) ₄ (S,Se,Te) ₅ ; no data	b
UM1978-//S:BiCuPbSeTe[2]	*Neues Jb. Mineral. Mh. (1978), 9	Am. Mineral. 63, 1283	(Bi,Pb,Cu) ₆ (S,Se,Te) ₅ ; no data	b
UM1978-//S:BiTe[1]	*Przeglad Geol. 26, 337	Am. Mineral. 64, 1332	Bi ₂ TeS; apparently identical to ingodite, described in 1981	c,a
UM1978-//S:BiTe[2]	*Geol. Razved. (1978) (10), 91	Zap. Vses. Mineral. Ob. 110, 239	Bi ₂ TeS; later named ingodite	a
UM1978-//S:BiTe[3]	*Geol. Razved. (1978) (10), 91	Zap. Vses. Mineral. Ob. 110, 239	Bi ₃ Te ₂ S; later named sulphotsumite	a
UM1978-//S:CuFePdSnTe	*Dokl. Akad. Nauk SSSR, 243, 1265	Am. Mineral. 66, 1102	Later described under the name oulankaite: Eur. J. Mineral. 8 (1996), 311	a
UM1978-//S:CuHg	*Trudy Inst. Geol. Geofiz. SO Akad. Nauk SSSR 404, 19	Zap. Vses. Mineral. Ob. 110, 238	Cu ₆ HgS ₄ ; apparently the same bayankhanite, described in 1984 (which, however may be a mixture of 2 or more components)	c
UM1978-//S:CuZn	Contr. Mineral. Petrol. 68, 85		Qualitative chemistry; inadequate data	b
UM1978-//S:FeHNa	Earth Planet. Sci. Lett. 40,107	Am. Mineral. 64, 241	NaFeS ₂ (OH) but no other data; Later described under the name erdite: Am. Mineral. 65 (1980), 509	a
UM1978-//Se:BiCuPbSTe	Neues Jb. Mineral. Mh. (1978), 9	Am. Mineral. 63, 1283	(Pb,Cu)Bi(Se,Te,S) ₂ with Te=16-21%; no other data	b
UM1978-//Se:BiPbSTe[1]	Neues Jb. Mineral. Mh. (1978), 9	Am. Mineral. 63, 1283	(Pb,Bi) ₄ (Se,Te,S) ₃ ; no other data	b
UM1978-//Se:BiPbSTe[2]	Neues Jb. Mineral. Mh. (1978), 9	Am. Mineral. 63, 1283	(Pb,Bi) ₇ (Se,S,Te) ₆ ; no other data	b
UM1978-//SiO:AlFeHMgZn	Amdel Bull. 23, 25	Am. Mineral. 65, 1070	Later described under the name baileychlore: Am. Mineral. 73 (1988), 135	a
UM1978-//SiO:CaFeMg	*Litol. Polezn. Iskop. (1978) (3), 3	Zap. Vses. Mineral. Ob. 110, 241	Qualitative chemistry; inadequate data	b
UM1978-//SiO:CaHMn	Geol. Soc. Am. Abst. with Programs, 10, 465	Am. Mineral. 64, 244	Later described under the name santaclaraitite: Am. Mineral. 69 (1984), 200	a
UM1978-//SiO:PbSZn	*Fortsch. Mineral. 56, 59	Zap. Vses. Mineral. Ob. 111, 708	Pb ₄ Zn ₂ (SO ₄)(SiO ₄)(Si ₂ O ₇); later described as queitite: Neues Jb. Mineral. Mh. (1979), 203	a
UM1978-//VO:Bi	*Fortsch. Mineral. 56, 18	Zap. Vses. Mineral. Ob. 111, 707	BiVO ₄ ; later named dreyerite: Neues Jb. Mineral. Mh. (1981), 151	a
UM1979-//[1]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK24"; subsequently shown to be a mixture of götzenite and another phase: Mineral. Record 21 (1990), 363	d
UM1979-//[2]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK26"; subsequently shown to be a mixture of parisite and albite: Mineral. Record 21 (1990), 363	d
UM1979-//[3]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK27"; subsequently recognised as thomasite: Can. Mineral. 25 (1987), 181	c
UM1979-//[4]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK31"; subsequently recognised as yofortierite: Mineral. Record 21 (1990), 363	c
UM1979-//[5]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK34"; subsequently recognised as a member of the rhabdophane group: Mineral. Record 21 (1990), 363	c
UM1979-//[6]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK35"; subsequently recognised as a mixture of chabazite and another phase: Mineral. Record 21 (1990), 363	d
UM1979-//[7]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK36"; subsequently recognised as miserite: Mineral. Record 21 (1990), 363	c
UM1979-//[8]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK39"; subsequently recognised as tadjikite-(Ce), a name at that time not formally approved by the IMA: Mineral. Record 21 (1990), 363	c
UM1979-//[9]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK40"; subsequently recognised as carbocernaite: Mineral. Record 21 (1990), 363	c
UM1979-//[10]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK41"; subsequently recognised as penkviksite: Mineral. Record 21 (1990), 363	c
UM1979-//[11]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK42"; subsequently named petarsite: Can. Mineral. 18 (1980), 497	a
UM1979-//[12]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK43"; subsequently described under the name franconite: Can. Mineral. 22 (1984), 239	a
UM1979-//[13]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK44"; subsequently described under the name daqingshanite-(Ce): Geochem. 2 (1983), 180	a
UM1979-//[14]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK45"; subsequently described under the name doyleite: Can. Mineral. 23 (1985), 21	a
UM1979-//[15]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK46"; subsequently identified as murmanite; then as epistolite: Mineral. Record 21 (1990), 363	c
UM1979-//[16]	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK47"; subsequently found to be a chabazite + natrolite mixture: Mineral. Record 21 (1990), 363	d
UM1979-//AsO:Al	Aufschluss 30, 213	Am. Mineral. 65, 210	Later described under the name bulachite: Aufschluss 34 (1983), 445	a
UM1979-//AsO:AlBaCaCuFe	Aufschluss 30, 213	Am. Mineral. 65, 210	Later described under the name arsenogorceixite: Aufschluss, 44 (1993), 250	a
UM1979-//AsO:Mn	Mineral. Record 10, 215		Qualitative analysis only; minor Cu and B	b
UM1979-//AsSO:Cu	Aufschluss 30, 213		Same as UM1972-03-AsOSO:Cu	c
UM1979-//BiO:	Aufschluss 30, 213	Am. Mineral. 65, 209	Minor amounts of As, Ca, Cu, Fe & Sb reported; later described under the name sphaerobismoite: Aufschluss 46 (1995), 245	a
UM1979-//Bi:AsPdTe	CIM Sp. Vol.30, 175		Pd(Bi,Te,As); probably a Te- and As-bearing sobolevskite	b,c

UM1979-//CO:AlCaHY	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK32"; hydrous carbonate of Ca-Y-Al; later named micheelsenite: Neues Jb. Mineral Mh (2001), 337	a
UM1979-//CO:BaCaHNaUY	Mineral. Record 10, 99	Mineral. Record 21, 363	Recognised as mckelveyite before publication of Mont St. Hilaire unnamed mineral code "UK30": Mineral. Record 10 (1979), 99	c
UM1979-//CO:BaCaKNaY	Mineral. Record 10, 99	Mineral. Record 21, 363	Recognised as ewaldite before publication of Mont St. Hilaire unnamed mineral code "UK37": Can. Mineral. 16 (1978), 335	c
UM1979-//CO:CaHNaSrY	Mineral. Record 10, 99	Mineral. Record 21, 363	Named donnayite before publication of Mont St. Hilaire unnamed mineral code "UK33": Can. Mineral. 16 (1978), 335	c
UM1979-//I:Hg	*Dopov. Nat. Akad. Nauk Ukrainy, Ser. B, 9, 701	Am. Mineral. 66, 1102	Known synthetically (Nat. Bur. Stds. Mono. 25, 7) and apparently identical to coccinite (Am. Mineral. 83 (1998), 911)	c
UM1979-//PO:HNa[1]	*Dokl. Akad. Nauk SSSR 248, 1207	Am. Mineral. 65, 1070	Later described under the name nahpoite: Can. Mineral. 19 (1981), 373	a
UM1979-//PO:HNa[2]	*Dokl. Akad. Nauk SSSR 248, 1207	Am. Mineral. 65, 1070	Later described under the name dorffmanite: Zap. Vses. Mineral. Ob. 109 (1980), 211	a
UM1979-//S:AgBiCuPb	*Medd. Grønland, Greenland Geoscience 2, 1	Am. Mineral. 66, 1280	Mineral "D"; inadequate compositional data only but probably berryite (known from same locality)	b,c
UM1979-//S:AgTe	*Medd. Grønland, Greenland Geoscience 2, 1	Am. Mineral. 66, 1280	Mineral "B"; later described under the name cervelleite: Eur. J. Mineral. 1, (1989), 371	a
UM1979-//S:AsPbSbTI	*Z. Krist. 150, 85	Nowacki <i>et al.</i> (1982), 689	Tl ₈ Pb ₄ Sb ₂ As ₁₉ S ₆₈ ; not distinct from chabournéite	c
UM1979-//S:CuFe[1]	*Izv. Akad. Nauk SSSR, Ser. Geol. (1979) (6), 152	Zap. Vses. Mineral. Ob. 111, 242	Qualitative chemistry, Cu:Fe = 2:1; inadequate data; may be the same as UM1983-12-S:CuFe	b,c
UM1979-//S:CuFe[2]	Am. Mineral. 64, 776		A Cu-Fe sulphide; inadequate data; perhaps same as UM1979-//S:CuFe[1]	b,c
UM1979-//S:CuFeSnZn	Can. Mineral. 17, 125		Cu ₂ (Fe,Zn)SnS ₄ ; later named ferrokésterite: Can. Mineral. 27 (1989), 673	a
UM1979-//S:FeMnZn	Meteoritics 14, 561		(Fe,Zn,Mn)S; cf UM1972-//S:FeMnS; later described under the name rudashevskyite: Am. Mineral. 93 (2008), 902	a
UM1979-//Se:Ag	*Zap. Uzb. Otd. VMO 32, 26	Zap. Vses. Mineral. Ob. 111, 707	Qualitative composition only	b
UM1979-//SiO:AlCaFeHKMgMnNaTi	Mineral. Record 10, 99	Mineral. Record 21, 363	(Na,Ca,K) _{0.35-0.45} (Fe ²⁺ ,Mg,Al,Mn,Ti) _{3.10-3.23} (Si,Al) ₄ O ₁₀ ·nH ₂ O;"UK29"; later identified as nontronite: Rocks & Minerals 70 (1995), 90; formerly coded as UM1979-20-SiO:AlCaFeHKMgMnNaTi	c
UM1979-//SiO:AlCaHKNaTi	Mineral. Record 10, 99	Mineral. Record 21, 363	Recognised as vinogradovite before publication of Mont St. Hilaire unnamed mineral code "UK28": Mineral. Record 10 (1979), 99	c
UM1979-//SiO:CaCeLa	Mineral. Record 10, 99	Mineral. Record 21, 363	"UK22"; subsequently recognised as britholite-(Ce): Mineral. Record 21 (1990), 363	c
UM1979-//SiO:CaHK	*Rend. Soc. Ital. Mineral. Petrol. 35, 847	Am. Mineral. 66, 220	K ₂ Ca ₄ Si ₁₆ O ₃₆ (OH) ₂ ·10.5H ₂ O; described as a K-analogue of macdonaldite but later recognised as rhodseite	c
UM1979-//SiO:CaZr	Geol. Surv. Canada Pap. 79-1A, 391	Am. Mineral. 64, 1332	Later described under the name gittinsite: Can. Mineral. 18 (1980), 201	a
UM1979-//SiO:HMn	Mineral. Record 10, 99	Mineral. Record 21, 363	Named yofortierite before publication of Mont St. Hilaire unnamed mineral code "UK25": Can. Mineral. 13 (1975), 68	c
UM1979-//SiO:HMnNaV	Rend. Soc. Ital. Mineral. Petrol. 35, 151	Zap. Vses. Mineral. Ob. 111, 243	Na ₂ Mn ₁₀ (Si ₁₁ V)O ₃₄ (OH) ₄ ; later named saneroite: Neues Jb. Mineral. Abh. 138 (1980), 333	a
UM1979-//SiO:HNaZr	Mineral. Record 10, 99	Mineral. Record 21, 363	Named gaidonnayite before publication of Mont St. Hilaire unnamed mineral code "UK23": Can. Mineral. 12 (1974), 316	c
UM1979-//SiO:Mn	*Rend. Soc. Ital. Mineral. Petrol. 35, 145	Am. Mineral. 65, 812	Appears to be tiragalloite	c
UM1979-//SiO:NaNbPTi	Neues Jb. Mineral. Abh. 137, 42	Zap. Vses. Mineral. Ob. 111, 243	Na ₈ (Nb,Ti) ₃ (PO ₄) ₂ (SiO ₄) ₄ ; not distinct from Vuonnemite on the basis of data reported	c
UM1980-//AsO:CuMgNaZn	*Fortsch. Mineral. (1980) Beihefte 58, 68	Am. Mineral. 66, 218	Later described under the name johillerite: Tscherm. Mineral. Petrogr. Mitt. 29 (1982), 169	a
UM1980-//BO:Mn	J. Mineral. Soc. Japan 14, 86	Zap. Vses. Mineral. Ob. 112, 705	Only qualitative chemical information	b
UM1980-//F:AlK	*Penn. Topogr. Geol. Surv. Mineral Resour. Rept. 78, 1	Am. Mineral. 66, 1279	KAlF ₄ ; associated with burning anthracite deposits, therefore not now considered a mineral	f
UM1980-//O:CIPbW	Mineral. Record 11, 155	Am. Mineral. 66, 220	Later described under the name pinalite: Am. Mineral. 74 (1989), 934	a
UM1980-//S:AgIn	*Bull. Geol. Surv. Japan 31, 585	Am. Mineral. 68, 851	Later described under the name laforêtite: Eur. J. Mineral. 11 (1999), 891	a
UM1980-//S:BiPbTe	11 th IMA Sulfosalt Volume, 127	Am. Mineral. 70, 881	Mineral "M"; identical to UM1970-21-S:BiPbTe	c
UM1980-//S:BiTe[1]	11 th IMA Sulfosalt Volume, 127	Am. Mineral. 70, 881	Mineral "K"; identical to UM1970-22-S:BiTe	c
UM1980-//S:BiTe[2]	11 th IMA Sulfosalt Volume, 127	Am. Mineral. 70, 881	Mineral "L"; no analysis given but apparently compositionally indistinguishable from the discredited mineral csiklovaite	e
UM1980-//S:BiTe[3]	11 th IMA Sulfosalt Volume, 127	Am. Mineral. 70, 881	Mineral "P"; identical to UM1970-23-S:BiTe	c
UM1980-//S:BiTe[4]	11 th IMA Sulfosalt Volume, 127	Am. Mineral. 70, 881	Mineral "E"; indistinguishable from sulphotsumoite (described 1982), on the basis of data reported	c
UM1980-//S:CrFeKTI	Mineral. Zhurn. 2 (6), 3		(K,Ti) ₂ Cu ₃ FeS ₄ ; probably a thallium-bearing murunskite	c
UM1980-//S:CuFeInZn	Bull. Geol. Surv. Japan 31, 585	Am. Mineral. 68, 851	Later shown to be equivalent to sakuraiite: Can. Mineral. 24 (1986), 405	c

UM1980-//S:CuFeK	Mineral. Zhurn. 2 (6), 3		K ₂ Cu ₃ FeS ₄ ; later described under the name murunskite: Zap. Vses. Mineral. Ob. 110 (1981), 468	a
UM1980-//S:FeK	Am. Mineral. 65, 509		Later named bartonite: Am. Mineral. 66 (1981), 369	a
UM1980-//S:Ge	*Penn. Topogr. Geol. Surv. Mineral Resour. Rept. 78, 1	Am. Mineral. 66, 1279	GeS ₂ ; associated with burning anthracite deposits, therefore not now considered a mineral species	f
UM1980-//SO:AlK	*Penn. Topogr. Geol. Surv. Mineral Resour. Rept. 78, 1	Am. Mineral. 66, 1279	KAl(SO ₄) ₂ ; associated with burning anthracite deposits, therefore not considered a mineral species; later found occurring naturally and described under the name steklite: IMA No. 2011-041	f,a
UM1980-//SO:AlK	*Penn. Topogr. Geol. Surv. Mineral Resour. Rept. 78, 1	Am. Mineral. 66, 1279	KAl(SO ₄) ₂ ; associated with burning anthracite deposits, therefore not now considered a mineral species	f
UM1980-//SO:AlNH	*Penn. Topogr. Geol. Surv. Mineral Resour. Rept. 78, 1	Am. Mineral. 66, 1279	Associated with burning anthracite deposits; later named godovikovite: Zap. Vses. Mineral. Ob. 117 (1988), 208	a
UM1980-//SO:ClCuHPbSb	Mineral. Record 11, 155	Am. Mineral. 66, 220	Later described under the name mammothite: Am. Mineral. 71 (1986), 230	a
UM1980-//SO:CuHMnZn	*Rend. Soc. Ital. Mineral. Petrol. 36, 295	Am. Mineral. 66, 1280	Later described under the name campigliaite: Am. Mineral. 67 (1982), 385	a
UM1980-//Se:As	*Penn. Topogr. Geol. Surv. Mineral Resour. Rept. 78, 1	Am. Mineral. 66, 1279	As ₂ Se ₃ ; associated with burning anthracite deposits, therefore not now considered a mineral species	a
UM1980-//SiO:AsHMnV	*Rend. Soc. Ital. Mineral. Petrol. 36, 159	Am. Mineral. 66, 1279	Later described under the name medaite: Am. Mineral. 67 (1982), 85	a
UM1980-//SiO:BaV	Mineral. J. 10, 122	Am. Mineral. 66, 638	BaV ₄ Si ₂ O ₇ ; the Ba-analogue of haradaite; no data reported	b
UM1980-//SiO:HMnNa	Zap. Vses. Mineral. Ob. 109, 476		Appears to be shafranovskite: Zap. Vses. Mineral. Ob. 111 (1982), 475	c
UM1980-//SiO:Pb	Mineral. Record 11, 155	Am. Mineral. 66, 220	Inadequate data	b
UM1980-//TeO:CuPb	*Dokl. Akad. Nauk SSSR 253, 1448	Am. Mineral. 66, 436	PbCu(TeO ₃) ₂ ; later described under the name chololite: Mineral. Mag. 44 (1981), 55	a
UM1980-//VO:Cu	Am. Mineral. 65, 1146		Cu ₃ V ₂ O ₈ ; later named mcbirneyite: J. Volcan. Geotherm Res. 33 (1987), 83	a
UM1981-//As:Cu	*Akad. Nauk GruzSSR 97, 133	Zap. Vses. Mineral. Ob. 111, 707	Cu ₆ As; indistinguishable from algonite on the basis of composition alone	c
UM1981-//As:FePtS	*Izv. Akad. Nauk SSSR, Ser. Geol. 1981, (2), 103	Zap. Vses. Mineral. Ob. 112, 704	(Pt,Fe)(As,S) ₂ ; probably Fe-bearing sperrylite	c
UM1981-//AsS:IrRu	Calif. Geol. 34 (5), 91	Zap. Vses. Mineral. Ob. 112, 704	Unknown mineral "#6"; inadequate data	b
UM1981-//BO:CaClH	*Rentgen. Mineral. Syr'ya (1981), 41	Am. Mineral. 68, 850	Identical to ekaterinite: Am. Mineral. 66 (1976), 437	c
UM1981-//Bi:PtTe	CIM Sp. Vol. 23, 175		Pd(Bi,Te) (CIM Sp. Vol. 23, 184); indistinguishable from a Te-bearing sobolovskite on basis of available data	c
UM1981-//CO:CaZn	*Rend. Soc. Ital. Mineral. Petrol. 37, 415	Am. Mineral. 67, 1078	Later described under the name minrecordite: Mineral. Record 13 (1982), 131	a
UM1981-//E:AlCuMg	*Zap. Vses. Mineral. Ob. 110, 186	Am. Mineral. 67, 416	Inadequate data; possibly sample contaminants	b,d
UM1981-//E:CuZn[1]	*Zap. Vses. Mineral. Ob. 110, 186	Am. Mineral. 67, 416	Alpha-brass; inadequate data; possibly sample contaminants	b,d
UM1981-//E:CuZn[2]	*Zap. Vses. Mineral. Ob. 110, 186	Am. Mineral. 67, 416	Beta-brass; inadequate data; possibly sample contaminants	b,d
UM1981-//E:CuZn[3]	*Kexue Tongbao 26, 959	Am. Mineral. 67, 854	Later described under the name danbaite; Kexue Tongbao 22 (1983), 959	a
UM1981-//E:CuZn[4]	*Akad. Nauk GruzSSR 97, 133	Zap. Vses. Mineral. Ob. 111, 707	CuZn; not distinguishable from zhanghengite described in 1986, or from alpha or beta brass on the basis of composition alone	c
UM1981-//O:FePbReSrTiY	Neues Jb. Mineral. Mh. (1981), 433	Am. Mineral. 68, 473	(Pb,Sr,Y) ₂ (Ti,Fe,Re,Mn) ₂ O ₃ ; later shown to be gramacciolite-(Y): Eur. J. Mineral. 16 (2004), 171	c
UM1981-//S:BiCuPb	*Changchun Dizhi Xueyuan Xuebao no.4, 20	Am. Mineral. 69, 410	PbCuBi ₇ S ₁₂ ; compositionally indistinguishable from UM1974-09-S:BiCuPb	c
UM1981-//S:BiPb	*Flerov <i>et al.</i> (1981), 5	Am. Mineral. 68, 1041	Compositionally not distinct from UM1980-06-S:BiPb; some discrepancies in powder data	c
UM1981-//S:IrOsRu	Calif. Geol. 34 (5), 91	Zap. Vses. Mineral. Ob. 112, 704	Probably the same as UM1965-10-S:IrOsRu	c
UM1981-//S:IrRh[1]	Kexue Tongbao 26, 728	Am. Mineral. 67, 1079	Rh ₂ S ₃ ; later described under the name bowieite: Can. Mineral. 22 (1984), 543	a
UM1981-//S:IrRh[2]	Bull. Minéral. 104, 508	Am. Mineral. 67, 1079	(Rh,Ir) ₂ S ₃ ; later described under the name bowieite: Can. Mineral. 22 (1984), 543	a
UM1981-//S:IrRhSb	Bull. Minéral. 104, 508	Am. Mineral. 67, 1080	Same as UM1976-16-S:IrRhSb	c
UM1981-//S:Rh[1]	Calif. Geol. 34 (5), 91	Zap. Vses. Mineral. Ob. 112, 704	Inadequate data; perhaps RhS	b,c
UM1981-//S:Rh[2]	Kexue Tongbao 26, 278	Mineral. Petrol. 60, 185	Later named sulrhodite, which was subsequently discredited as equivalent to bowieite	e
UM1981-//S:Rh[3]	Bull. Minéral. 104, 508	Mineral. Petrol. 60, 185	Later named sulrhodite, which was subsequently discredited as equivalent to bowieite	e
UM1981-//SO:HMg	Earth Planet. Sci. Lett. 53, 363	Mineral. Abst. 33, 82M/0199	Later named caminite: Am. Mineral. 71 (1986), 819	a
UM1981-//SOCO:CuZn	*Lapis 6, 9	Zap. Vses. Mineral. Ob. 112, 705	Only qualitative chemical information; probably schulenbergite	b,c
UM1981-//Se:BiTe	Can. Mineral. 19, 341	Am. Mineral. 71, 847	Bi ₂ Se ₂ Te; mineral "B"; not distinct from later-named skippenite on basis of available data; transferred from Valid list	c
UM1981-//Se:Ni	Can. Mineral. 19, 341		Cubic NiSe ₂ ; probably penroseite	c
UM1981-//Si:CrFe	*Dokl. Akad. Nauk SSSR 256, 958	Zap. Vses. Mineral. Ob. 112, 704	(Fe,Cr) ₂ Si; not distinct on the information available from the mineral later named hapkeite	a

UM1981-/-Si:Mg	*Zap. Vses. Mineral. Ob. 110, 186	Am. Mineral. 67, 416	Inadequate data; possibly sample contaminants	b,d
UM1981-/-SiO:AlBeCaHMn	*Rend. Soc. Ital. Mineral. Petrol. 37, 669	Zap. Vses. Mineral. Ob. 113, 381	(Mn,Ca) ₂ Be ₂ (Si,Al) ₅ O ₁₃ (OH) _{1.35} ·2H ₂ O; later described under the name chiavennite: Am. Mineral. 68 (1983), 623	a
UM1981-/-SiO:ClHNaZr	*Dokl. Akad. Nauk SSSR 257, 608	Am. Mineral. 67, 416	Previously described under the name petarasite: Can. Mineral. 18 (1980), 497	a
UM1981-/-SiO:HKZr	*Dokl. Akad. Nauk SSSR 257, 608	Am. Mineral. 67, 416	K ₂ ZrSi ₃ O ₉ ·H ₂ O; later described under the name umbite: Zap. Vses. Mineral. Ob. 112 (1983), 461	a
UM1981-/-SiO:HU	*Dokl. Bolg. Akad. Nauk, 34, 1693	Am. Mineral. 68, 1040	"Group #3"; identical to coffinite	c
UM1982-/-As:CuPtSb	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-As:FePdPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-As:NiPd	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-As:Pd[1]	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-As:Pd[2]	Econ. Geol. 77, 1348	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-As:PdPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-As:PdPtSb	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-AsO:HMnZn	Am. Mineral. 67, 1043		(Mn,Zn) ₃ Zn ₂ AsO ₄ (OH,O) ₆ ; same as UM1982-03-AsO:HMnZn; formerly coded as UM1982-04-AsO:HMnZn	c
UM1982-/-AsS:CuFeNiPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-AsS:CuIrOsPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-AsS:IrPdPtRhRu	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-AsS:IrPtRh	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-AsS:PbSb	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-AsS:PdSb	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-Bi:PtSb	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-Cl:Cu	*Zap. Vses. Mineral. Ob. 111, 562	Am. Mineral. 68, 852	CuCl ₂ ; later described under the name tolbachite: Dokl. Akad. Nauk SSSR 270 (1983), 415	a
UM1982-/-ClF:Ca	*Izv. Vyssh. Uchebn. Zaved. Geol. Razved. 25, 120	Am. Mineral. 68, 645.	CaFCl; later described under the name rorisite: Zap. Vses. Mineral. Ob. 119 (1990), 73	a
UM1982-/-E:AuPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:CuNiPt	Econ. Geol. 77, 1385	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:CuPd[1]	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:CuPd[2]	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:CuPd[3]	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:FePt	Econ. Geol. 77, 1348	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:HgPd	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:IrNi	Econ. Geol. 77, 1328		Probably Ni-bearing iridium	b
UM1982-/-E:PbPd	Econ. Geol. 77, 1348	Mineral. Petrol. 60, 185	A PbPd alloy; only a list of constituent elements reported	c
UM1982-/-E:PdPt	Econ. Geol. 77, 1385	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:PdTI	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-E:PdTI	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Pd-Tl ; Only a list of constituent elements reported	b
UM1982-/-E:PtSn	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-/-NO:HHg	Mineral. Record 13, 233	Am. Mineral. 68, 473	Compound is believed to be of anthropogenic origin, probably being formed from the decomposition of explosives	f
UM1982-/-O:AlCa	Earth Planet. Sci. Lett. 61, 13	Am. Mineral. 68, 850	Later described under the name grossite: Eur. J. Mineral. 6 (1994), 591	a
UM1982-/-O:HU	*Voultsidis <i>et al.</i> (1982), 469	Am. Mineral. 73, 444	Alpha-U ₃ O ₇ ; apparently identical to UM1978-10-O:U	c
UM1982-/-O:MgTi	Mineral. Mag. 45, 135	Am. Mineral. 68, 645	Mg ₂ TiO ₄ ; later described under the name qandilite: Mineral. Mag. 49 (1985) 739	a
UM1982-/-O:Mn	*Izv. Akad. Nauk SSSR Ser. Geol. 1, 56	Am. Mineral. 68, 473	Later described under the name akhtenskite: Izv. Akad. Nauk SSSR Ser. Geol. 9 (1989), 75	a
UM1982-/-O:MnNbTaW	*Mineral. Zhurn. 4 (1), 65	Am. Mineral. 69, 213	Formula inconsistent with columbite-group; probably a mixture of columbite + wolframite	d
UM1982-/-OH:CaSn	*Marshukova (1982), 189	Zap. Vses. Mineral. Ob. 114, 485	CaSn(OH) ₆ ; appears to be burtite	c
UM1982-/-OH:CuFeSnZn	*Marshukova (1982), 189	Zap. Vses. Mineral. Ob. 114, 485	Cu _{0.5} (Zn,Fe) _{0.5} Sn(OH) ₆ ; appears to be mushistonite	c
UM1982-/-OH:FeSnZn	*Marshukova (1982), 189	Zap. Vses. Mineral. Ob. 114, 485	(Zn,Fe)Sn(OH) ₆ ; appears to be vismirnovite	c
UM1982-/-S:AgBiPbTe	*Sztroky & Nagy (1982), 118	Zap. Vses. Mineral. Ob. 113, 381	15Bi ₂ S ₃ ·5Ag ₂ S·PbS; later described under the name kitaibelite: Foldtani Kozlony Bull. Geol. Soc. 113 (1983), 247	a
UM1982-/-S:As	*Tufar (1982), 131	Am. Mineral. 69, 213	As ₂ S ₃ ; indistinguishable from orpiment on basis of data reported	c
UM1982-/-S:AsHgTI	Fortsch. Mineral. 60, 68	Am. Mineral. 68, 1040	Later described under the name simonite: Z. Krist. 161 (1982), 159	a
UM1982-/-S:BiTe	*Sztroky & Nagy (1982), 118	Zap. Vses. Mineral. Ob. 113, 381	Bi ₃ TeS ₂ ; later described under the name sztrokayite: Foldtani Kozlony Bull. Geol. Soc. 113 (1983), 247	a
UM1982-/-S:CuFeIrNiOsPdPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b

UM1982-//S:CuFeIrNiOsPdRh	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuHgSn	Neues Jb. Mineral. Abh. 144, 307	Am. Mineral. 68, 851	Later described under the name veikite: Dokl. Akad. Nauk SSSR 300 (1988), 432	a
UM1982-//S:CuIrPt[1]	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuIrPt[2]	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuIrPtRh[1]	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuIrPtRh[2]	Econ. Geol. 77, 1348	Am. Mineral. 69, 410	Inadequate data	b
UM1982-//S:CuMoRe	Neues Jb. Mineral. Mh. (1982), 6	Am. Mineral. 67, 1078	CuRe ₃ MoS ₈ or (Re,Mo,Fe,Cu,Os) ₂ S ₃ ; later named tarkianite: Can. Mineral. 42 (2004), 539	a
UM1982-//S:CuNiPbPd	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuNiPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuPbPt	Econ. Geol. 77, 1348	Am. Mineral. 69, 410	Inadequate data	b
UM1982-//S:CuPd	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:CuPtRh	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:IrNiPbPdPt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:IrOsPdPt	Econ. Geol. 77, 1348	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:IrOsRu	*Dokl. Akad. Nauk SSSR 267, 1211	Zap. Vses. Mineral. Ob. 113, 381	Only qualitative chemical information	b
UM1982-//S:IrRh	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:PtSn	Econ. Geol. 77, 1385	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//S:PtSn	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//SO:CrHNa	Am. Mineral. 67, 132		Partial analysis; later named schöllhornite (Na _{0.3} (H ₂ O)[CrS ₂]): Am. Mineral. 70, (1985), 638	a
UM1982-//SiO:AlCaFeMgTi	Bull. Minéral. 105, 364	Am. Mineral. 68, 1040	Later described under the name dorrite: Am. Mineral. 73 (1988), 1440	a
UM1982-//SiO:CoMgNiU	Can. Mineral. 20, 231		A Co-Mg-Ni uranyl silicate (p. 234, col. 1); inadequate data; the mineral was later named oursinite: Bull. Minéral. 106 (1983), 305	b,a
UM1982-//Te:AsPdSb	Econ. Geol. 77, 1432	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//Te:Bi	Int. Geol. Rev. 24, 451	Can. Min. 45, 665	Bi ₂ Te; same as UM1980-16-Te:Bi	c
UM1982-//Te:BiNiPd	Neues Jb. Mineral. Mh. (1982), 6	Am. Mineral. 67, 1078	Reported as (Ni,Pd) ₅ (Te,Bi) ₈ but no other data given; appears to be the same as UM1976-29-Te:BiNi	c
UM1982-//Te:FePdPtSbSn	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//Te:Pd	Econ. Geol. 77, 1348	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//Te:Pt	Econ. Geol. 77, 1328	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1982-//Te:Pt	Econ. Geol. 77, 1348	Mineral. Petrol. 60, 185	Only a list of constituent elements reported	b
UM1983-//As:NiRh	*Zap. Vses. Mineral. Ob. 112, 554	Am. Mineral. 69, 1195	RhNiAs; later named zaccariniite: Mineral. Mag. 76 (2012), 154; transferred from Valid list	a
UM1983-//As:PdRh	Zap. Vses. Mineral. Ob. 112, 3		(Pd,Rh) ₂ As; probably Rh-bearing palladoarsenide	c
UM1983-//As:Rh[1]	Zap. Vses. Mineral. Ob. 112, 3	Am. Mineral. 69, 1195	RhAs; later described under the name cherepanovite: Zap. Vses. Mineral. Ob. 114 (1986), 464	a
UM1983-//As:Rh[2]	Zap. Vses. Mineral. Ob. 112, 3		Rh ₃ As; compositionally indistinguishable from polkanovite described in 1998	a,c
UM1983-//AsO:FeHMgMnZn	Mineral. Mag. 47, 381	Am. Mineral. 69, 814	(Mn,Mg,Fe ³⁺ Al) ₁₅ (AsO ₃)(AsO ₄) ₂ (OH) ₂₃ ; said to be distinct from arakiite (Mineral. Record 31, 253); transferred to Valid list	
UM1983-//Bi:PtSb	Zap. Vses. Mineral. Ob. 112, 3		(Pt,Pd)(BiSb); probably the same as UM1974-02-Bi:AsPdPtSb	c
UM1983-//CO:HLaNdPb	Schweiz. Mineral. Petrog. Mitt. 63, 1	Zap. Vses. Mineral. Ob. 114, 485	Pb(Nd,La)(CO ₃) ₂ (OH)·H ₂ O; later named gysinite-(Nd): Am. Mineral. 70 (1985), 1314	a
UM1983-//E:AuFe	Can. Mineral. 21, 137		Incomplete analysis with very low analytical total; identification probably not possible	b
UM1983-//E:CuPd	Zap. Vses. Mineral. Ob. 112, 3		PdCu; probably the same as UM1975-//E:CuFePdPt	c
UM1983-//E:FeNiPt	Zap. Vses. Mineral. Ob. 112, 3		Pt ₂ FeNi; probably the same as UM1977-04-E:CuFeNiPtSb	c
UM1983-//E:HgPd	Zap. Vses. Mineral. Ob. 112, 3		Only qualitative compositional information	b
UM1983-//PO:HU	*Dokl. Akad. Nauk SSSR 273, 1460	Am. Mineral. 69, 1195	Later described under the name vyacheslavite: Zap. Vses. Mineral. Ob. 113 (1984), 360	a
UM1983-//S:AsPbSb[1]	Bull. Geol. Soc. Finland 55, 3	Am. Mineral. 69, 1195	Pb ₂ Sb ₂₀ As ₈ S ₁₉ ; mineral "Y" same as UM1981-09-S:AsPbSb	c
UM1983-//S:AsPbSb[2]	Bull. Geol. Soc. Finland 55, 3	Am. Mineral. 69, 1195	PbSb ₆ As ₂ S ₆ ; mineral "Z"; same as UM1981-10-S:AsPbSb	c
UM1983-//S:BiCuFePb	*Aufschluss 34, 41	Zap. Vses. Mineral. Ob. 113, 381	(Cu,Fe)Pb ₉ Sb ₁₂ S ₂₈ ; later named eclairite: Tschemm. Mineral. Petrog. Mitt. 32 (1983), 103-110	a
UM1983-//S:CuFe[1]	*Mineral. Rudn. Mest. (1983), 109	Am. Mineral. 75, 435	"Cu ₂ Fe ₃ S ₃ "; space group F-43m(?) a=5.406Å; inadequate data	b
UM1983-//S:CuFe[2]	Am. Mineral. 88, 245		A Cu-Fe sulphide; inadequate data; probably same as UM1979-//S:CuFe[1]; close to hypothetical hydroxycubanite (CuFeS ₃ (OH) ₂)	b,c
UM1983-//S:CuIrPbPt	Zap. Vses. Mineral. Ob. 112, 3		Cu ₃ Pb(Ir,Pt) ₈ S ₁₆ ; later named inaglyite: Zap. Vses. Mineral. Ob. 113 (1984), 712	a
UM1983-//S:CuPbRhPt	Zap. Vses. Mineral. Ob. 112, 3		Cu ₃ Pb(Rh,Pt) ₈ S ₁₆ ; later named konderite: Zap. Vses. Mineral. Ob. 113 (1984), 703	a
UM1983-//S:CuRh	Zap. Vses. Mineral. Ob. 112, 3		CuRh ₂ S ₄ ; later named cuprorhodsite: Zap. Vses. Mineral. Ob. 114 (1985), 187	a

UM1983-//S:FeRh	Zap. Vses. Mineral. Ob. 112, 3		FeRh ₂ S ₄ ; later named ferrorhodsite: Zap. Vser. Mineral. Ob. 127 (1998), 37	a
UM1983-//S:IrPtRh	Mineral. Zhurn. 5 (2), 87	Zap. Vses. Mineral. Ob. 114, 485	(Rh, Ir, Pt) ₃ S ₄ ; this composition later described under the name kingstonite: Mineral. Mag. 69 (2005), 447	a
UM1983-//S:IrRh[1]	Zap. Vses. Mineral. Ob. 112, 3		(Ir, Rh) ₂ S ₃ ; later named kashinite: Zap. Vses. Mineral. Ob. 114 (1985), 617	a
UM1983-//S:IrRh[2]	Zap. Vses. Mineral. Ob. 112, 3	Zap. Vses. Mineral. Ob. 114, 485	(Rh, Ir) ₂ S ₃ ; probably the same as bowieite	c
UM1983-//S:Rh	Zap. Vses. Mineral. Ob. 112, 3		Rh _{1.13} S; compositionally indistinguishable from miassite described in 2001	c
UM1983-//S:RhSb	Zap. Vses. Mineral. Ob. 112, 3		RhSbS; probably the same as UM1976-16-S:IrRhSb	c
UM1983-//SiO:AlFeHMg	Mem. Sci. Geol. (Strasbourg) 73, 123	Am. Mineral. 73, 197	Intergradient vermiculite-kaolinite mineral; inadequate data	b
UM1983-//Te:Au	Can. Mineral. 21, 137		Incomplete analysis with very low analytical total; probably montbrayite	b,c
UM1983-//Te:Pd	Zap. Vses. Mineral. Ob. 112, 3		PdTe (?); probably kotulskite	c
UM1983-//VO:BiH	Mineral. Zhurn. 5 (2), 82	Am. Mineral. 69, 407	Bi ₅ V ₂ O ₁₁ (OH) ₃ (?); inadequate data	b
UM1984-//As:AgCoNiPd	Chem. Erde 43, 27	Am. Mineral. 74, 1218	(Pd _{2.36} Ni _{0.24} Co _{0.19} Ag _{0.14}) ₃ As; probably vincentine or guanglinit	c
UM1984-//As:AgPd	Chem. Erde 43, 27		(Pd, Ag, Co, Ni, Cu, Au) _x As _y ; compositionally very variable with low analytical totals; perhaps hydrides and perhaps mixtures	b,d
UM1984-//As:AgSb	*J. Japan. Assoc. Mineral. Petrol. Econ. Geol. 79, 405	Zap. Vses. Mineral. Ob. 115, 616	Only qualitative compositional information reported	b,d
UM1984-//As:CoNiPd	Chem. Erde 43, 27	Am. Mineral. 74, 1218	Pd(Co, Ni)As; only formula given; apparently the Co-analogue of majakite and perhaps the same as UM1975-01-As:AgCoNiPdS	b,c
UM1984-//As:Pd	Chem. Erde 43, 27	Am. Mineral. 74, 1218	PdAs ₂ ; previously reported as UM1975-06-As:Pd	c
UM1984-//Cl:BrHN	Rend. Soc. Ital. Mineral. Petrol. 39, 705		NH ₄ (Cl, Br); appears to be Br-bearing sal-ammoniac	c
UM1984-//CO:Ni	*Mintek Rep. M145, 1	Am. Mineral. 72, 228	Inadequate data with only partial analysis	b
UM1984-//E:FeOs	Econ. Geol. 79, 491	Am. Mineral. 74, 1217	Os ₂ Fe ₃ ; previously coded as UM1984-19-E:FeOs, an inadvertent duplication of UM1984-17-E:FeIrOsPtRu; transferred from Valid list	c
UM1984-//OH:Zn	Aufschluss 36, 73	Zap. Vses. Mineral. Ob. 115, 616	Later described under the name wulfingite: Neues Jb. Mineral. Mh. (1985), 145	a
UM1984-//OS:Cu	Fortsch. Mineral. 62, Beiheft. 1, 231		Inadequate data	b
UM1984-//PO:CuFeH	Fortsch. Mineral. 62, Beiheft. 1, 231	Am. Mineral. 70, 880	Later described under the name hentschelite: Am. Mineral. 72 (1987), 404	a
UM1984-//PO:CuH	Fortsch. Mineral. 62, Beiheft. 1, 231	Am. Mineral. 70, 880	Later described under the name reichenbachite: Am. Mineral. 72 (1987), 404	a
UM1984-//PO:HZn	Aufschluss 36, 73	Zap. Vses. Mineral. Ob. 115, 616	Zn ₃ (PO ₄) ₂ •4H ₂ O; appears to be identical to parahopeite	c
UM1984-//S:AgBiFePbSb	Can. Mineral. 22, 481		Pb ₅₁ Sb ₂₀ Bi ₁₉ Cu ₃ AgFeS ₁₁₄ ; mineral "S"; later named izoklakeite: Can. Mineral. 24 (1986), 1	a
UM1984-//S:AgH	Fortsch. Mineral. 62, Beiheft. 1, 256	Zap. Vses. Mineral. Ob. 115, 616	Later described under the name imiterite: Bull. Minéral. 108 (1985), 404	a
UM1984-//S:AsCuMo	Chem. Erde 43, 27	Am. Mineral. 74, 1218	Cu ₃ Mo ₂ AsS ₅ ; only chemical formula given	b
UM1984-//S:Cr	*Geol. Geofiz. (1984) (4), 38	Am. Mineral. 73, 442	CrS; same as UM1965-09-S:Cr; formerly coded as UM1984-28-S:Cr	c
UM1984-//S:CuIrPt[1]	Econ. Geol. 79, 491	Am. Mineral. 74, 1217	Later described under the name cuproiridsite: Zap. Vses. Mineral. Ob. 114 (1985), 187	a
UM1984-//S:CuIrPt[2]	*Zap. Vses. Mineral. Ob. 113, 712	Am. Mineral. 71, 231	Later described under the name cuproiridsite: Zap. Vses. Mineral. Ob. 114 (1985), 187	a
UM1984-//S:CuMo[1]	Chem. Erde 43, 27	Am. Mineral. 74, 1218	CuMo ₂ S ₅ ; only chemical formula given; corresponds to the discredited mineral castaingite	e,b
UM1984-//S:CuMo[2]	Chem. Erde 43, 27	Am. Mineral. 74, 1218	CuMoS ₃ ; only chemical formula given	b
UM1984-//S:CuMo[3]	Chem. Erde 43, 27	Am. Mineral. 74, 1218	Cu ₈ MoS ₉ ; only chemical formula given	b
UM1984-//S:CuSbV	*Mineral. Zhurn. 6 (2), 88	Am. Mineral. 70, 439	Later described under the name stibicolusite: Dokl. Akad. Nauk SSSR 324 (1992), 411	a
UM1984-//SiO:AlCaHKNa	Soviet Phys. Cryst. 29, 256		Later described under the name gmelinite-K: Zap. Vser. Mineral. Ob. 130 (2001) (3), 65	a
UM1984-//SiO:CrHKMg	*Zap. Vses. Mineral. Ob. 113, 68	Am. Mineral. 70, 219	Later described under the name chromceladonite: Zap. Vser. Mineral. Ob. 129 (2000) (1), 38	a
UM1984-//Te:Bi	*Dokl. Akad. Nauk SSSR 275, 717	Can. Min. 45, 665	Bi ₂ Te; same as UM1980-16-Te:Bi	c
UM1985-//AsO:CaCuHY	Acta Cryst. C41, 161-163.	Am. Mineral. 70, 1333	Appears to be agardite-(Y); although Ca>Y, Ca<sum(Y+REE), with Y dominant	b,c
UM1985-//Bi:PdSb	*Dokl. Akad. Nauk SSSR 284, 438	Zap. Vses. Mineral. Ob. 117, 727	Pd(Bi, Sb); probably the same as UM1961-08-Sb:BiPd	c
UM1985-//E:CuSn	*Dokl. Akad. Nauk SSSR 285, 203	Am. Mineral. 72, 227	Probably the same as UM1965-07-E:CuSn	c
UM1985-//E:FeIr	*Zap. Vses. Mineral. Ob. 114, 544	Am. Mineral. 73, 197	Only inadequate compositional data with low totals	b
UM1985-//E:FeIrRh	*Zap. Vses. Mineral. Ob. 114, 544	Am. Mineral. 73, 197	Only inadequate compositional data with low totals	b
UM1985-//E:FeOs	*Zap. Vses. Mineral. Ob. 114, 544	Am. Mineral. 73, 197	Only inadequate compositional data with low totals	b
UM1985-//E:FeRu	*Zap. Vses. Mineral. Ob. 114, 544	Am. Mineral. 73, 197	Only inadequate compositional data with low totals	b
UM1985-//E:NiIr	*Zap. Vses. Mineral. Ob. 114, 544	Am. Mineral. 73, 197	Only inadequate compositional data with low totals	b

UM1985-/-E:NiRu	*Zap. Vses. Mineral. Ob. 114, 544	Am. Mineral. 73, 197	Only inadequate compositional data with low totals	b
UM1985-/-I:Hg	Aufschluss 36, 73	Am. Mineral. 71, 1548	Hg2I2: later described under the name moschelite: Neues Jb. Mineral. Mh. (1989), 343	a
UM1985-/-S:AgBiPb	*Izv. Akad. Nauk SSSR, Ser. Geol. 1985 (9), 65	Zap. Vses. Mineral. Ob. 118 (4), 102	Ag-Pb-Bi sulphosalts; no additional information	b
UM1985-/-S:AgBrClHgI	Austral. J. Earth Sci. 32, 311		Later described under the name perroudite: Am. Mineral. 72 (1987), 1251	a
UM1985-/-S:AgCuFe	*Ann. Soc. Geol. Pol. 53, 143	Zap. Vses. Mineral. Ob. 118 (4), 102	Four phases; no additional information	d
UM1985-/-S:AgCuHg	Austral. J. Earth Sci. 32, 311		Later described under the name danielsite: Am. Mineral. 72 (1987), 401	a
UM1985-/-S:AgCuTe	*C. R. Acad. Bulgare Sci. 38, 211	Am. Mineral. 71, 1281	Appears to be the same mineral as UM1976-12-S:AgTe	c
UM1985-/-S:AgIn	Bull. Minéral. 108, 245	Am. Mineral. 71, 846	Identical to UM1980-/-S:AgIn; later described under the name laforêtite: Eur. J. Mineral. 11 (1999), 891	a,c
UM1985-/-S:CrCuSbZn	*Zap. Vses. Mineral. Ob. 114, 622	Am. Mineral. 72, 227	Appears to be identical to florensovite: Zap. Vses. Mineral. Ob. 118 (1989) (1), 57	a,c
UM1985-/-S:CuPd	*Zap. Vses. Mineral. Ob. 114, 187	Mineral. Petrol. 42, 287	Appears to be identical to vasilite: Can. Mineral. 28 (1990), 687	a,c
UM1985-/-SO:AlCHMg	*Dokl. Akad. Nauk SSSR 284, 443	Am. Mineral. 71, 1548	(Mg,Al) ₆ (SO ₄ ,CO ₃)(OH)12·nH ₂ O; inadequate data; apparently a mixture of two polytypes	d,b
UM1985-/-Se:Ni	*Naturwissen. 72, 655	Am. Mineral. 73, 442	Inadequate data; possibly same as UM1990-/-Se:Ni	b
UM1985-/-SiO:AlCaFeH	*Contr. Mineral. Petrol. 91, 283	Am. Mineral. 73, 445	Fe-analogue of saponite; later described under the name ferrosaponite: Zap. Vses. Mineral. Ob. 132 (2003) (2), 68	a
UM1985-/-SiO:AlFeHMg	*Oil & Gas Geol. 6, 138	Am. Mineral. 73, 445	Referred to as Fe saponite, the mineral is actually Mg-dominant and hence a ferrous variety of saponite	c
UM1985-/-SiO:FREEY	Mineral. Zhurn. 7 (6), 79	Am. Mineral. 75, 436	Later described under the name fluorthalénite-(Y): Dokl. Akad. Nauk 354 (1997), 77	a
UM1985-/-SiO:NaTi	*Dokl. Akad. Nauk SSSR 284, 1136	Am. Mineral. 73, 445	Later described under the name paranatisite: Zap. Vses. Mineral. Ob. 121 (1992) (6), 133	a
UM1985-/-SiO:REEY	*Mineral. Zhurn. 7, (6) 79	Am. Mineral. 73, 197	Some discrepancies in X-ray powder pattern but insufficiently distinguished from thalénite-(Y)	b,c
UM1985-/-Te:PdSb	Can. Mineral. 23, 301		Pd ₃ Sb ₂ Te ₂ ; no data	b
UM1986-/[1]	Rocks & Minerals 61,182		"UK49"; now recognised as a mixture of terskite and "UK38": Mineral. Record 21 (1990), 363	d
UM1986-/[2]	Neues Jb. Mineral. Abh. 155, 289	Am. Mineral. 73, 933	No compositional information; a=5.42Å, b=7.13Å, c=13.02Å, alpha=94.04°, beta=96.44°, gamma=89.32°; intergrown with epistolite	b,d
UM1986-/-As:NiPd[1]	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₂ Ni ₆ As ₃ ; tabulated formula but no analytical data	b
UM1986-/-As:NiPd[2]	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	(Pd,Ni) ₅ As ₂ ; tabulated formula but no analytical data	b
UM1986-/-As:Pd	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₅ As ₂ ; tabulated formula but no analytical data; probably same as UM1975-05-As:Pd	b,c
UM1986-/-As:PdPtSb	Econ. Geol. 81, 1067		Only element association given	b
UM1986-/-As:PdPtSnSb	Econ. Geol. 81, 1067		Only element association given	b
UM1986-/-As:PdSn	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₆ Sn ₂ As; tabulated formula but no analytical data	b
UM1986-/-As:PdTe	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd(As _{0.6} Te _{0.4}); tabulated formula but no analytical data	b
UM1986-/-AsO:HMnZn	Mineral. Record 17, 126	Am. Mineral. 72, 228	Same mineral as UM1982-04-AsO:HMnZn	c
UM1986-/-AsO:Mn	Am. Mineral. 71, 1034		Said to be Mn-arsenite but only qualitative compositional data	b
UM1986-/-AsS:PdPt	Econ. Geol. 81, 1067		Only element association given	b
UM1986-/-Cl:Bi	Nature 320, 518		BiCl ₂ ; inadequate data	b
UM1986-/-Cl:BiPd	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₄ Bi ₅ Cl ₃ ; photomicrographs but no analytical data; probably same as UM1981-03-Cl:BiPd	b,c
UM1986-/-E:AuPb[1]	*Zap. Vses. Mineral. Ob. 115, 301	Am. Mineral. 73, 197	Possibly AuPb ₂ ; inadequate data	b
UM1986-/-E:AuPb[2]	*Zap. Vses. Mineral. Ob. 115, 301	Am. Mineral. 73, 197	Possibly AuPb ₃ ; inadequate data	b
UM1986-/-E:CuFeSnZn	Can. Mineral. 24, 329		(Cu,Zn,Fe,Sn): an alloy of copper	b
UM1986-/-E:FeIr	US Geol. Surv. Bull. 1660	Am. Mineral. 73, 442	Mineral "A"; inadequate data	b
UM1986-/-E:FePt	Can. Mineral. 24, 329		Pt ₃ Fe; probably isoferroplatinum	b,c
UM1986-/-F:AlHN	Mineral. Mag. 50, 279		X-ray powder diffraction pattern matches that of NH ₄ AlF ₄ ; a product of burning coal	f
UM1986-/-F:Li	Rocks & Minerals 61,182		Mont St. Hilaire mineral "UK54"; subsequently named griceite: Can. Mineral. 27 (1989), 125	a
UM1986-/-NbO:CaHNaSr	Rocks & Minerals 61,182	Mineral. Record 21, 363	Recognised as hochelagaite before publication of Mont St. Hilaire unnamed mineral code "UK50": Can. Mineral. 24 (1986), 449	c
UM1986-/-O:BaCrFeMgTi	Nature 319, 761		Later named hawthorneite: Am. Mineral. 74 (1989), 668	a
UM1986-/-O:U[1]	Uranium 3, 69	Am. Mineral. 73, 444	Tetragonal alpha-U ₃ O ₇ ; same as UM1978-10-O:U	c
UM1986-/-O:U[2]	CIM Sp. Vol. 32, 27	Am. Mineral. 73, 444	Possibly a mixture or same as UM1978-10-O:U	d,c
UM1986-/-O:UZn	Mineral. Record 17, 126	Am. Mineral. 72, 228	Inadequate data from sample of doubtful purity	b,d
UM1986-/-OH:Al	Rocks & Minerals 61,182	Mineral. Record 21, 363	Mont St. Hilaire mineral "UK51"; not distinguishable from nordstrandite or gibbsite on available data	c

UM1986-//PO:Fe	J. Geol. Soc. Japan 92, 243	Zap. Vses. Mineral. Ob. 117, 727	Only qualitative compositional information	b
UM1986-//PO:HMg	Neues Jb. Mineral. Mh. 1986, 343	Am. Mineral. 73, 444	Later described under the name phosphoellenbergerite: Mineral. Petrol. 62 (1998), 89	a
UM1986-//PO:Mn	Can. Mineral. 24, 599		Only qualitative compositional information	b
UM1986-//S:AgAu	*Zap. Uzb. Otd. VMO 39, 5	Zap. Vses. Mineral. Ob. 117, 727	Ag ₃ AuS ₂ ; probably uytenbogaardtite	c
UM1986-//S:AgBiCuPb[1]	Geol. Geofiz. 27 (10), 53	Zap. Vses. Mineral. Ob. 117, 727	Ag _{1.25} Cu _{1.62} Pb _{1.25} Bi ₁₀ S _{17.1} ; probably makovickyite	c
UM1986-//S:AgBiCuPb[2]	Geol. Geofiz. 27 (10), 53	Zap. Vses. Mineral. Ob. 117, 727	Ag _{2.46} Cu _{1.4} Pb _{0.6} Bi ₁₀ S _{17.3} ; appears to be same as UM1971-05-S:AgBiCu	c
UM1986-//S:AgBiPb[1]	Geol. Geofiz. 27 (10), 53	Zap. Vses. Mineral. Ob. 117, 727	AgPb _{1.3} Bi ₄ S _{7.84} ; appears to be same as UM1971-//S:AgBiCuPb	c
UM1986-//S:AgBiPb[2]	*Mem. Fac. Lib. Arts Educ. Pt.2 (Yammanaski U.) 37, 74	Am. Mineral. 74, 950	Within the compositional ranges reported for lillianite	c
UM1986-//S:AgPt	Econ. Geol. 81, 1067		Only element association given	b
UM1986-//S:AsCuGeV	Vest. Mosk. Univ. Geol. Ser. 4, 41 (3), 59		Later named germanocolusite: Vest. Mosk. Univ. Geol. Ser. 4, 47 (1992) (6), 50	a
UM1986-//S:AsFeIrPtRh	US Geol. Surv. Bull. 1660	Am. Mineral. 73, 442	Mineral "B"; inadequate data	b
UM1986-//S:AsHgSb	*Dokl. Akad. Nauk SSSR 290, 1208	Am. Mineral. 74, 949	Hg ₁₂ (As,Sb) ₈ S ₁₂ ; As:Sb very close to 1:1; not sufficiently distinct from tvalchrelidzeite to warrant an entry as an unnamed mineral	c
UM1986-//S:AsNiPdRh	US Geol. Surv. Bull. 1660	Am. Mineral. 73, 442	Mineral "C"; inadequate data	b
UM1986-//S:AuBiPb	Neues Jb. Mineral. Mh. 1986, 416	Am. Mineral. 75, 434	Au(Bi,Pb) ₅ S ₄ ; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM1986-//S:AuBiPbTe	*Vest. Ústred. Ústavu Geol. 61, 217	Zap. Vses. Mineral. Ob. 119 (5), 71	Pb-Au-Bi sulphotellurides; no additional information	b
UM1986-//S:BiCuFePbTe	*Geol. Geofiz. (1986) (10), 60	Zap. Vses. Mineral. Ob. 117, 727	Only qualitative compositional data.	b
UM1986-//S:BiPb	*Novye Dannye Mineral. 33, 86	Am. Mineral. 75, 435	Indistinguishable from galenobismutite	c
UM1986-//S:BiTe	*Novye Dannye Mineral. 33, 86	Am. Mineral. 75, 435	Inadequate data; perhaps joséite-A or protojoséite	b,c
UM1986-//S:Cu	Rocks & Minerals 61, 182	Mineral. Record 21, 363	Cu ₂ ·xS (x=0.12-0.37); Mineral "UK55"; indistinguishable from digenite, anilite, roxbyte or djurite on available data	c
UM1986-//S:CuFeSn	*Geol. Rudn. Mest. 1986 (2) 67	Am. Mineral. 73, 443	Mineral "II"; indistinguishable from vincennite	c
UM1986-//S:CuIrNiRhRu	Legendre & Augé (1986), 361	Am. Mineral. 74, 1216	(Ir,Cu,Ni,Rh,Ru) ₂ S ₃ ; indistinguishable from UM1975-15-S:CuIrRh	c
UM1986-//S:FeGaZn	Meteoritics 21, 23		(Fe,Zn,Ga) ₃ S; later described under the name rudashevskyite: Am. Mineral. 93 (2008), 902	a
UM1986-//S:FeIrPbRh	US Geol. Surv. Bull. 1660	Am. Mineral. 73, 442	Mineral "D"; inadequate data	b
UM1986-//S:FeIrRu	Econ. Geol. 81, 1067	Mineral. Petrol. 60, 185	Only element association given	b
UM1986-//S:FeZn	Meteoritics 21, 417		(Fe,Zn) ₃ S; later described under the name rudashevskyite: Am. Mineral. 93 (2008), 902	a
UM1986-//S:IrOsPt	Econ. Geol. 81, 1067		Only element association given	b
UM1986-//S:PdPtSb	Econ. Geol. 81, 1067	Mineral. Petrol. 60, 185	Only element association given (perhaps genkinite)	b,c
UM1986-//S:PdSb	Econ. Geol. 81, 1067	Mineral. Petrol. 60, 185	Only element association given	b
UM1986-//S:PtRh	Econ. Geol. 81, 1067		Only element association given	b
UM1986-//Sb:AsPd	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₅ (Sb,As) ₂ ; tabulated but no analytical data; close to stillwaterite	b,c
UM1986-//Sb:PdSn	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₂ (Sb,Sn); photomicrographs but no analytical data	b
UM1986-//Se:BiS	*Kovalenker (1986), 111	Am. Mineral. 74, 949	Not compositionally distinct from laitakarite	c
UM1986-//Si:Fe[1]	Science 234, 189	Am. Mineral. 73, 197	Fe ₃ Si ₇ ; inadequate data; close to ferdasilicite	b,c
UM1986-//Si:Fe[2]	Acta Mineral. Sinica 6, 63		Fe ₂ Si ₅ ; same as luobusaite described later: Acta Geol. Sinica 80 (2006), 656. Formerly coded as UM1986-58-SiFe	a
UM1986-//SiO:AlCa	Am. Mineral. 71, 1372		K-poor, Ca-rich mineral with the nepheline-structure; may be yoshiokaite	b,c
UM1986-//SiO:AlCaFeHKMnNaTi	Rocks & Minerals 61, 182	Mineral. Record 21, 363	(Na,K) ₂ (Mn,Fe,Ca,Ti,Al) ₃ (Si,Al) ₈ O ₂₀ ·8H ₂ O; Mont St. Hilaire "UK38"; later equated with zakharovite by original authors: Rocks & Minerals 70 (1995), 90. Formerly coded as UM1986-SiO:AlCaFeHKMnNaTi	a
UM1986-//SiO:AlHNaTi	Neues Jb. Mineral. Mh. 1986, 67	Am. Mineral. 73, 445	Clearly identical to vinogradovite	c
UM1986-//SiO:CaClFHKNa	Rocks & Minerals 61, 182	Mineral. Record 21, 363	Mont St. Hilaire mineral "UK57"; indistinguishable from fedorite on available data	b,c
UM1986-//SiO:HMn	14 th IMA, Proc., 117		Inadequate data and X-ray amorphous	b
UM1986-//Sn:PdPtSb	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	(Pd,Pt) ₅ (Sn,Sb) ₂ ; tabulated but no analytical data	b
UM1986-//Sn:PdSb	Econ. Geol. 81, 1203	Am. Mineral. 74, 1218	Pd ₂ (Sn,Sb); Apparently the same as UM1976-27-Sn:PdSb	c
UM1987-//As:NiRh	*Dokl. Akad. Nauk SSSR 295, 190	Zap. Vses. Mineral. Ob. 118 (4), 102	RhNiAs; no data other than formula; apparently the same as UM1983-//As:NiRh	b,c
UM1987-//As:PdRh	*Dokl. Akad. Nauk SSSR 295, 190	Zap. Vses. Mineral. Ob. 118 (4), 102	RhPdAs; no data other than formula; could be related to palladodymite	b,c
UM1987-//As:Rh	*Dokl. Akad. Nauk SSSR 295, 190	Zap. Vses. Mineral. Ob. 118 (4), 102	Rh ₂ As; no data other than formula; probably rhodarsenide	b,c

UM1987-//Bi:Pd	*Novye Dannye Mineral. 34, 108	Zap. Vses. Mineral Ob. 118 (4), 102	PdBi ₂ ; no data other than formula; probably froodite	b,c
UM1987-//Bi:PdTe	Mineral. Petrol. 36, 169		Pd(Bi,Te); not distinguishable from Te-bearing sobolevskite	c
UM1987-//C:Ti	*Mineral. Zhurn. 9 (4), 71	Zap. Vses. Mineral Ob. 118 (4), 102	TiC; probably khamrabaevite	c
UM1987-//CO:AlCaCrH	Izv. Akad. Nauk SSSR, Ser. Geol. 5, 127	Am. Mineral. 74, 951	Possibly a Cr-bearing alumohydrocalcite, but data are inadequate	b,c
UM1987-//E:AuHg	Ann. Acad. Bras. Cienc. 58, 457	Am. Mineral. 74, 504	Au ₃ Hg; probably anthropogenic and may be related to weishanite	f,c
UM1987-//E:CuFeNiPt	*Dokl. Akad. Nauk SSSR 295, 190	Zap. Vses. Mineral Ob. 118 (4), 102	Pt(Cu,Ni,Fe) ₃ ; no data other than formula	b
UM1987-//E:CuPbSn	*Novye Dannye Mineral. 34, 108	Zap. Vses. Mineral Ob. 118 (4), 102	Pb ₂ SnCu; no data other than formula	b
UM1987-//OH:AlCMgS[1]	Clays Clay Minerals 35, 401		16.5Å phase given unapproved name CO ₃ -SO ₄ -hydrotalcite: Dokl. Akad. Nauk SSSR 284 (1985), 443	c
UM1987-//OH:AlCMgS[2]	Clays Clay Minerals 35, 401		18.5Å phase given unapproved name CO ₃ -SO ₄ -hydrotalcite-3R: Dokl. Akad. Nauk SSSR 284 (1985), 443	c
UM1987-//OH:AlMgS[1]	Clays Clay Minerals 35, 401		8.8Å phase given unapproved name SO ₄ -hydrotalcite: Dokl. Akad. Nauk SSSR 284 (1985), 443	c
UM1987-//OH:AlMgS[2]	Clays Clay Minerals 35, 401		11Å phase given unapproved name SO ₄ -hydrotalcite-1H: Dokl. Akad. Nauk SSSR 284 (1985), 443	c
UM1987-//O:AlMgTi	*Contr. Mineral. Petrol. 96, 35	Am. Mineral. 75, 1434	Phase "A"; compositionally indistinguishable from UM1978-08-O:AlCaCrFeMgTi	c
UM1987-//O:AlTi	*Contr. Mineral. Petrol. 96, 35	Am. Mineral. 75, 1434	Phase "B"; Perhaps AlTi ³⁺ Ti ⁴⁺ 2O ₇ but data inadequate	b
UM1987-//O:BaCrFeMgTi	Am. Mineral. 72, 633		Later described under the name hawthorneite: Am. Mineral. 74 (1989), 668	a
UM1987-//O:HMnNa	Mineral. Mag. 51, 463		NaMn ₁₄ O ₂₇ •27H ₂ O; "Marine 10A manganate"; probably buserite	c
UM1987-//OH:AlCMg	Clays Clay Minerals 35, 401		Mg ₄ Al ₂ (OH) ₁₂ (CO ₃ ,SO ₄)•3H ₂ O; probably same as UM1985-38-SO:AlCHMg	c
UM1987-//PO:BiH	*Hallesches Jahrb. Geowiss, 12, 123	ICDD 42-1325	Bi ₃ (PO ₄) ₂ O(OH); later described under the name petitjeanite: Neues Jb. Mineral. Mh. (1993), 487	a
UM1987-//PO:FeHKMgMnTi	*Rev. Asoc. Argentina Mineral. Petrol. Sedimentol. 18, 27	Am. Mineral. 75, 245	No data other than possible formula: KTi(Mn,Fe,Mg)Fe ₂ (PO ₄) ₄ (OH) ₃ •nH ₂ O	b
UM1987-//PO:SiO:CaFMgMnNaNbTiZr[1]	*Dokl. Akad. Nauk SSSR 294, 357	Am. Mineral. 75, 245	Mineral "X5"; later described under the name polyphite: Zap. Vses. Mineral. Ob. 121 (1992) (1), 105	a
UM1987-//PO:SiO:CaFMgMnNaNbTiZr[2]	*Mineral. Zhurn. 9 (3), 28	Am. Mineral. 75, 245	Na ₁₄ CaMgTi ₄ [Si ₂ O ₇] ₂ [PO ₄] ₄ O ₄ F ₂ ; Mineral "T"; later described under the name quadruphite: Zap. Vses. Mineral. Ob. 121 (1992) (1), 105	a
UM1987-//S:AgBiPb	*Dokl. Akad. Nauk SSSR 292, 1235	Am. Mineral. 73, 444	Indistinguishable from UM1985-10-S:AgBiPb	c
UM1987-//S:AgBiPbSb	Zap. Vses. Mineral. Ob. 116, 614	Zap. Vses. Mineral Ob. 118 (4), 102	AgPb(Sb,Bi) ₃ S ₆ ; no data other than formula	b
UM1987-//S:AgCu	*Mineral. Zhurn. 9 (6), 5	Am. Mineral. 75, 435	Cu ₂ AgS; no data other than formula	b
UM1987-//S:AgFe[1]	Proc. Yorks. Geol. Soc. 461, 133	Am. Mineral. 73, 1497	AgFeS ₂ ; indistinguishable from lenaite: Zap. Vses. Mineral. Ob. 124 (1995) (5), 85	a,c
UM1987-//S:AgFe[2]	*Mineral. Zhurn. 9 (6), 5	Am. Mineral. 75, 435	Mineral "X"; AgFeS ₂ ; apparently the same mineral as UM1987-//S:AgFe[1]	c
UM1987-//S:AgHg	*Mineral. Zhurn. 9 (6), 5	Am. Mineral. 75, 435	Ag ₂ HgS ₂ ; indistinguishable from imiterite	c
UM1987-//S:AsPbTI	Schweiz. Mineral. Petrog. Mitt. 75, 277		Pb ₃ (As,Sb) ₅ S ₁₁ ; apparently the same as baumhauerite-2a	c
UM1987-//S:BiCuPbSb[1]	*Izv. Akad. Nauk SSSR, Ser. Geol. (1), 86	Zap. Vses. Mineral Ob. 118 (4), 102	Cu ₂ Pb ₆ (Sb,Bi) ₁₆ S ₃₁ ; no data other than formula; appears to be compositionally very similar to UM1987-11-S:BiCuPbSb	b,c
UM1987-//S:BiCuPbSb[2]	*Izv. Akad. Nauk SSSR, Ser. Geol. (1), 86	Zap. Vses. Mineral Ob. 118 (4), 102	Cu ₂ Pb ₆ (Sb,Bi) ₁₅ S ₂₈ ; no data other than formula; appears to be compositionally very similar to UM1987-11-S:BiCuPbSb	b,c
UM1987-//S:CuFeSn	*Geol. Rudn. Mest. 1987 (2), 67	Zap. Vses. Mineral. Ob. 118 (4), 102	PdBi ₂ ; seven phases; no additional information	b
UM1987-//S:FeMnZn	Meteoritics 22, 370		(Fe,Zn,Mn)S; cf UM1972-//S:FeMnS; later described under the name rudashevskyite: Am. Mineral. 93 (2008), 902	a
UM1987-//S:FeNiRu	*Dokl. Akad. Nauk SSSR 295, 190	Zap. Vses. Mineral Ob. 118 (4), 102	(Ni,Fe,Ru) ₉ •xS ₈ ; probably ruthenium-bearing pentlandite or godlevskite	c
UM1987-//S:Ir	*Dokl. Akad. Nauk SSSR 295, 190	Zap. Vses. Mineral Ob. 118 (4), 102	Ir ₂ S ₃ ; no data other than formula; probably kashinite	b,c
UM1987-//S:IrSb	Mineralium Deposita 22, 178	Am. Mineral. 74, 1216	IrSbS - only qualitative data; similar to tolovkite & UM1976-17-S:IrRhSb	b,c
UM1987-//S:RhSb	Mineralium Deposita 22, 178	Am. Mineral. 74, 1216	RhSbS - only qualitative data; similar to UM1976-16-S:IrRhSb	b,c
UM1987-//Sb:NiRh	Mineralium Deposita 22, 178	Am. Mineral. 74, 1216	Only qualitative data - metal ratios not known	b
UM1987-//SiO:AlCaCeCrHLaMg	Can. Mineral. 25, 413	Can. Mineral. 40, 1411	CaLaMg(Al,Cr) ₂ (Si ₂ O ₇)(SiO ₄)O(OH); equivalent to chromium-bearing dissakisite-(La) in the IMA-approved nomenclature for epidote group	a
UM1987-//SiO:AlCrHK	J. Petrol 28, 867	Mineral. Mag. 51, 593	Later described under the name chromphyllite: Zap. Vser. Mineral. Ob. 126 (1997) (2), 110	a
UM1988-//AsO:CIPbSi	Am. Mineral. 73, 643	Mineral. Mag. 76, 883	~Pb ₃₄ [(As,Si)O ₄] ₃ Cl ₁₀ •3H ₂ O; probably the same as hereroite described later: Mineral. Mag. 76 (2012), 883	a
UM1988-//AsO:FeHMgMnZn	Geol. Föreh. Förh. 110, 181	Am. Mineral. 74, 1402	Compositionally indistinguishable from UK1983-(AsO:FeHMgMnZn)	c

UM1988-//AsO:HMn	Z. Krist. 185, 611		Mn ₅ (AsO ₄) ₂ (AsO ₃ OH) ₂ ·10H ₂ O; later described under the name geigerite: Am. Mineral. 74 (1989), 676	a
UM1988-//BO:MgMnSb	Neues Jb. Mineral. Mh. 1988, 231	Am. Mineral. 74, 1402	(Mg ₇ Mn ²⁺)(Mn ³⁺ ₃ Sb ³⁺)(BO ₆) ₄ ; not distinct from pinakiolite	c
UM1988-//Cl:Ca	*Akad. Nauk SSSR, Ural. Otdel (1988), 5	Am. Mineral. 78, 1112	CaCl ₂ ; product of a burning coal dump; equivalent to hydrophilite	f
UM1988-//Cl:FeHO	*Akad. Nauk SSSR, Ural. Otdel (1988), 5	Am. Mineral. 78, 1112	FeCl ₃ ·2.5H ₂ O (?); product of a burning coal dump	f
UM1988-//E:AgAuHg[1]	*Godishnik. Vissh. Minno-Geol. Inst. Sofia 34, 227	Am. Mineral. 75, 1212	(Au,Ag) ₂ Hg; considered to result from contamination during almagamation procedures associated with mining	f
UM1988-//E:AgAuHg[2]	*Godishnik. Vissh. Minno-Geol. Inst. Sofia 34, 227	Am. Mineral. 75, 1212	AgAuHg; considered to result from contamination during almagamation procedures associated with mining	f
UM1988-//E:AgAuHg[3]	*Godishnik. Vissh. Minno-Geol. Inst. Sofia 34, 227	Am. Mineral. 75, 1212	(Au,Ag) ₃ Hg; considered to result from contamination during almagamation procedures associated with mining	f
UM1988-//E:AgAuHg[4]	*Godishnik. Vissh. Minno-Geol. Inst. Sofia 34, 227	Am. Mineral. 75, 1212	(Au,Ag) ₃ Hg; considered to result from contamination during almagamation procedures associated with mining	f
UM1988-//E:AgAuHg[5]	*Godishnik. Vissh. Minno-Geol. Inst. Sofia 34, 227	Am. Mineral. 75, 1212	(Au,Ag) ₃ Hg ₂ ; considered to result from contamination during almagamation procedures associated with mining	f
UM1988-//E:AuNi	*Dokl. Akad. Nauk SSSR 303, 1209	Am. Mineral. 75, 1934	Inadequately defined Au-Ni alloys	b
UM1988-//E:AuPb	*Dokl. Akad. Nauk SSSR 303, 1209	Am. Mineral. 75, 1934	Later described under the name anyuuite: Mineral. Zhurn. 11 (4) (1989), 88	a
UM1988-//E:FeIrOsRu	Mineral. Zhurn. 10 (1), 15	Zap. Vses. Mineral. Ob. 119 (5), 70	(Os, Ir, Fe, Ru); evidently Fe-bearing iridosmine	c
UM1988-//F:Al	Am. Mineral. 73, 855		AlF ₃ ; Identified in mixtures but not characterised.	b
UM1988-//F:AlHO	Am. Mineral. 73, 861		AlF ₃ ·3H ₂ O; later described under the name rosenbergite: Eur. J. Mineral. 5 (1993), 1167	a
UM1988-//O:Pb	*Akad. Nauk SSSR, Ural. Otdel (1988), 5	Am. Mineral. 78, 1112	PbO ₂ ; a cubic polymorph of plattnerite; product of a burning coal dump	f
UM1988-//S:AgAsCu	*Mineral. Zhurn. 10, 25	Am. Mineral. 75, 711	AgCu ₈ As ₄ S ₁₃ ; typographical error makes reported analysis unreliable	b
UM1988-//S:AgAu	*Dokl. Akad. Nauk SSSR 303, 944	Zap. Vses. Mineral. Ob. 119 (5), 70	AgAuS; probably petrovskaita	c
UM1988-//S:AgBiCuPbSe	*Sofisk. Univ. Geol.-Geogr. Fak. Geol., Sophia, 26	Zap. Vses. Mineral. Ob. 119 (5), 71	(Ag,Cu) ₁₀ Pb ₂ Bi ₈ (S,Se) ₁₉ ; only chemical formula given; very similar to UM1985-10-S:AgBiPb	b,c
UM1988-//S:AsTI	*Naturwissen. 75, 37	Am. Mineral. 74, 1401	Tl ₃ AsS ₄ ; later described under the name fangite: Am. Mineral. 78 (1993), 1096	a
UM1988-//S:AuBi[1]	Dokl. Earth Sci. 299, 185	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986-//S:AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM1988-//S:AuBi[2]	Izv. Akad. Nauk Kaz. SSR, Ser. Geol., 2, 13	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986-//S:AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM1988-//S:Bi	*Zap. Vses. Mineral. Ob. 117, 691	Am. Mineral. 75, 935	Bi ₃ S ₅ ; analyses and other properties not distinct from bismuthinite	c
UM1988-//S:CuIrRh	Can. Mineral. 26, 177	Mineral. Petrol. 60, 185	(Ir,Cu,Rh) ₂ S ₃ ; not distinct from UM1975-15-S:CuIrRh	c
UM1988-//S:FeZn	Can. Mineral. 26, 567		(Fe,Zn) ₅ ; later described under the name rudashevskyite: Am. Mineral. 93 (2008), 902	a
UM1988-//S:PbSb	Can. Mineral. 26, 655		Not compositionally distinct from boulangerite	c
UM1988-//SO:AlHN[1]	Neues Jb. Mineral. Mh. (1988), 476	Zap. Vses. Mineral. Ob. 120 (4), 112	NH ₄ Al(SO ₄) ₂ ; later named godovikovite: Zap. Vses. Mineral. Ob. 117 (1988), 208	a
UM1988-//SO:AlHN[2]	Neues Jb. Mineral. Mh. (1988), 476	Zap. Vses. Mineral. Ob. 120 (4), 112	NH ₄ Al ₃ (SO ₄) ₂ (OH) ₆ ; later named ammonioalunite: Am. Mineral. 73 (1988), 145	a
UM1988-//SO:HMgN[1]	Neues Jb. Mineral. Mh. (1988), 476	Zap. Vses. Mineral. Ob. 120 (4), 112	(NH ₄) ₂ Mg(SO ₄) ₂ ·4H ₂ O; (NH ₄)-analogue of leonite; product of a burning coal dump	f
UM1988-//SO:HMgN[2]	*Akad. Nauk SSSR, Ural. Otdel (1988), 5	Am. Mineral. 78, 1112	(NH ₄) ₂ Mg(SO ₄) ₂ ·4H ₂ O; (NH ₄)-analogue of leonite; product of a burning coal dump; same as UM1988-//SO:HMgN[1]	f,c
UM1988-//SO:HMgN[3]	Neues Jb. Mineral. Mh. (1988), 476	Zap. Vses. Mineral. Ob. 120 (4), 112	(NH ₄) ₂ Mg ₂ (SO ₄) ₃ ; later named efremovite: Zap. Vses. Mineral. Ob. 118 (1989) (4), 84	a
UM1988-//SiO:AlCaFeHMgMnTeZn	*Mineral. Zhurn. 10 (5), 11	Am. Mineral. 76, 1440	Phase III; inadequate data; probably a smectite contaminated by submicroscopic tellurates	b,d
UM1988-//SiO:AlCaFeHMgPbTeZn	*Mineral. Zhurn. 10 (5), 11	Am. Mineral. 76, 1440	Phase II; inadequate data; probably a smectite contaminated by submicroscopic lead tellurates	b,d
UM1988-//SiO:AlCaFeHMgZn	*Mineral. Zhurn. 10 (5), 11	Am. Mineral. 76, 1440	Phase I; inadequate data; probably a smectite intermediate between saponite and sauconite	b
UM1988-//SiO:AsFeHMgMn	Am. Mineral. 73, 1182		(Mn,Mg,Fe) ₂ 7 ₃ As ₄ Si ₄ O ₃₄ (OH) ₂₅ 2; falls within the possible compositional range for mcgovernite	c
UM1988-//SiO:BaMn	Neues Jb. Mineral. Mh. (1988), 377		Qualitative analysis; later described under the name cerchiaraita: Neues Jb. Mineral. Mh. (2000), 373	a
UM1988-//SiO:CaFNaZr	*Vest. Mosk. Univ. Geol. Ser. (1), 87	Zap. Vses. Mineral. Ob. 119 (5), 71	Na ₂ CaZr(Si ₂ O ₇)F ₂ ; later described under the name burpalite: Eur. J. Mineral. 2 (1990), 177	a
UM1988-//SiO:HMgPb	Medd. Stockh. Univ. Geol. Inst. 273 (4), 1	Zap. Ross. Mineral. Ob. 136 (6), 18	Pb ₃ Mg ₂ Si ₂ O ₈ (OH) ₂ ·3.5H ₂ O; "18A molybdophyllite"; later described under the name britvinite: Zap. Ross. Mineral. Ob. 136 (6) (2007), 18	a

UM1989-//E:FeSi	*Bol. Geol. Miner. 100 (3), 158	Zap. Vses. Mineral. Ob. 120 (4), 111	Si51.7Fe46.9Al1.2; probably fersilicite	c
UM1989-//O:Bi	Meteoritics 24, 43	Am. Mineral. 75, 1213	Bi2O3; inadequate data from sub-micron grains; perhaps bismite	b,c
UM1989-//O:FeRu	*Acta Mineral. Sinica 9, 257	Zap. Vses. Mineral. Ob. 120 (4), 112	(Ru,Fe)2O3; inadequate data	b
UM1989-//O:HMn	ICDD 42-1316		MnO2·nH2O; apparently a hydrated form of ramsdellite.	b
UM1989-//O:Sn[1]	Meteoritics 24, 43	Am. Mineral. 75, 1213	Sn2O3; inadequate data from sub-micron grains	b
UM1989-//O:Sn[2]	Meteoritics 24, 43	Am. Mineral. 75, 1213	Sn3O4; inadequate data from sub-micron grains	b
UM1989-//O:Ti	Meteoritics 24, 43	Am. Mineral. 75, 1213	Ti2O3; inadequate data from sub-micron grains	b
UM1989-//OH:Be	*Dokl. Akad. Nauk SSSR 305, 95	Am. Mineral. 75, 1213	Later described under the name clinobehoite: Mineral. Zhurn. 11 (1989) (5), 88	a
UM1989-//OH:ClFe	Can. Mineral. 27, 311		Described later under the name hibbingite: Am. Mineral. 79 (1994), 555	a
UM1989-//PO:BiH [1]	*Acta Mineral. Sinica 9 (1), 15	Am. Mineral. 76, 1436	Bi2(PO4)(OH)3?; inadequate data	b
UM1989-//PO:BiH [2]	*Geochem. 8, 385	Zap. Vses. Mineral. Ob. 120 (4), 112	Appears to be identical UM1989-//PO:BiH[1]	c
UM1989-//S:AgCuPbSb	BRGM Doc. 167, 35		(Ag,Cu)2Pb8Sb10S24; not compositionally distinguishable from owyheeite	c
UM1989-//S:AgIn	Mining Geol. 39, 355	Am. Mineral. 80, 406	Identical to UM1980-//S:AgIn; later described under the name lafor��te: Eur. J. Mineral. 11 (1999), 891	a,c
UM1989-//S:AgPbSb	BRGM Doc. 167, 32		AgPb2Sb3S7; the same as UM1971-//S:AgPbSb	c
UM1989-//S:AgSbTe	Neues Jb. Mineral. Abh. 160, 299	Am. Mineral. 76, 670	Ag9SbTe2S4; very likely benleonardite	c
UM1989-//S:AsPb	*C.R. Acad. Sci. Paris, Ser. II, 308, 927	Am. Mineral. 75, 435	Mineral "A"; Pb5As8S17; later named baumhauerite-2a: Am. Mineral. 75 (1990), 915	a
UM1989-//S:AsPbSbTi	*Geol. Surv. Canada Econ. Geol. Rept. 38	Am. Mineral. 75, 935	Inadequate data; strong compositional similarities to chabourn��ite	b,c
UM1989-//S:AuBi[1]	*Izv. Akad. Nauk Kaz. SSR Ser. Geol., (1989), 13	Am. Mineral. 75, 434	AuBi5S4; same mineral as UM1986-38-S:AuBi	c
UM1989-//S:AuBi[2]	Neues Jb. Mineral. Mh. (1989), 8	Am. Mineral. 75, 434	AuBi5S4; same mineral as UM1986-38-S:AuBi	c
UM1989-//S:CuFeInZn	*Mining Geol. 39, 355-372	Am. Mineral. 80, 407	(Zn,Fe)2CuInS4; probably not distinct from sakuraiite	c
UM1989-//S:CuFeMoRe	Mineral. Mag. 53, 635	Am. Mineral. 75, 1212	(Re,Mo,Cu,Fe)2S3; compositionally indistinguishable from tarkianite & UM1982-//S:CuMoRe	c
UM1989-//S:MnSb	*Geol. Surv. Canada Econ. Geol. Rept. 38	Am. Mineral. 75, 935	Later described under the name clerite: Zap. Vser. Mineral. Ob. 125 (1996) (3), 95	a
UM1989-//SO:BiH[1]	*Acta Mineral. Sinica 9 (1), 15	Am. Mineral. 76, 1436	Bi2SO4(OH)4; later described under the name cannonite: Mineral. Mag. 56 (1992), 605	a
UM1989-//SO:BiH[2]	*Geochem. 8, 385	Zap. Vses. Mineral. Ob. 120 (4), 112	Appears to be identical UM1989-//SO:BiH[1]	c
UM1989-//SO:HMg	*Vest. Mosk. Univ. Geol. Ser. 44 (5), 73	Am. Mineral. 76, 2025	Mg3(SO4)2(OH)2; apparently caminite	c
UM1989-//Sb:Pd	Mineral. Petrol. 40, 289	Am. Mineral. 76, 1438	Pd2Sb; appears to be same mineral as UM1974-15-Sb:Pd	c
UM1989-//Si:Fe	*Dokl. Akad. Nauk SSSR 305, 704	Am. Mineral. 76, 301	FeSi2.3; apparently the same as UM1986-//Si:Fe	c
UM1989-//SiO:AlBaMgTi	Am. Mineral. 74, 439		BaMg2TiSi2Al2O12; not distinct from Ti-bearing kinoshitalite	c
UM1989-//SiO:AlCaKMgMnNaSr	Bull. Geol. Surv. S. Africa 93, 1		(K,Na,Sr)(Na,Ca)1.3(Mg,Na,Mn)2(Mg,Fe,Al)3(Si,Al)12O30; unit cell dimensions are similar to those of roedderite	c
UM1989-//SiO:CaH	*J. Japan. Assoc. Mineral. Petrol. Econ. Geol. 84, 374	Am. Mineral. 77, 451	Ca5Si6O18·4H2O; later described under the name clinotobermorite: Mineral. Mag. 56 (1992), 353	a
UM1989-//SiO:HKNaTi	*Dokl. Akad. Nauk SSSR 307, 114	Am. Mineral. 76, 302	Later described under the name sitinakite: Zap. Vser. Mineral. Ob. 121 (1) (1992), 94	a
UM1989-//Te:AsSb	*Geol. Surv. Canada Econ. Geol. Rept. 38	Am. Mineral. 75, 935	Inadequate data; probably the same as UM1973-24-Te:AgSb	b,c
UM1989-//Te:Pd	*Dokl. Akad. Nauk USSR 306, 430	Am. Mineral. 76, 1438	Pd8Te3; not distinguishable from UM1981-31-Te:Pd	c
UM1990-//As:FeIrNiPt	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//As:FeIrNiPtRh	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//As:FeNiSb	Can. Mineral. 28, 503	Am. Mineral. 76, 1436	Ni7As3; not distinct from UM1973-01-As:NiPd	c
UM1990-//As:FeOsReRhYTc	Econ. Geol. 85, 921	Mineral. Petrol. 60, 185	No analytical data or formula	b
UM1990-//As:NiPd	Can. Mineral. 28, 489		Pd1.6As1.5Ni; probably menshikovite	c
UM1990-//As:NiRh[1]	Mineral. Petrol. 42, 265	Am. Mineral. 76, 1438	RhNiAs; same as UM1983-//As:NiRh	a,c
UM1990-//As:NiRh[2]	Can. Mineral. 28, 579	Am. Mineral. 76, 1437	RhNiAs; same as UM1983-//As:NiRh	a,c
UM1990-//As:Os	Econ. Geol. 85, 921		OsAs3; inadequate data	b
UM1990-//As:OsRu	Econ. Geol. 85, 921		OsRuAs; inadequate data	b
UM1990-//As:RuTe	Econ. Geol. 85, 921		RuTeAs; inadequate data	b
UM1990-//AsO:CuFeHPPbSZn	Austral. Mineral. 5, 125		"UK5" - approximate formula Pb3(Fe,Cu)8(AsO4,SO4,PO4)4·20H2O?; inadequate data	b
UM1990-//AsO:CuFeHPbZn[1]	Austral. Mineral. 5, 125		"UK3a" - Pb(Fe0.7Zn0.6Cu0.5Al0.1)(AsO4)2·2H2O; inadequate data; perhaps a Cu-bearing mawbyite	b,c
UM1990-//AsO:CuFeHPbZn[2]	Austral. Mineral. 5, 125		"UK3c" - Pb(Fe1.0Zn0.6Cu0.2)(AsO4)2·2H2O; inadequate data; also perhaps related to mawbyite	b,c
UM1990-//AsO:CuPb	Austral. Mineral. 5, 125		"UK6" - inadequate data	b
UM1990-//AsO:FeHPbZn	Austral. Mineral. 5, 125		"UK3b" - Pb(Fe1.3Zn0.8Cu0.1)(AsO4)2·2H2O; inadequate data; perhaps intermediate between mawbyite and helmutwinklerite	b

UM1990-//AsS:Ir	Econ. Geol. 85, 765		IrAsS; probably irarsite	c
UM1990-//AsS:OsRh	Econ. Geol. 85, 921		OsRhAsS; inadequate data	b
UM1990-//BO:AIREE	*Rend. Fisiche Accad. Lincei, Ser. 9, 1 159	Am. Mineral. 77, 672	(Ce,La)Al ₂ B ₃ O ₉ ; later described under the name peprossiite-(Ce); Eur. J. Mineral. 5 (1993), 53	a
UM1990-//Bi:Pd[1]	*Dokl. Akad. Nauk SSSR 315, 700	Dokl. Earth Sci. 312, 217	Pd ₂ Bi ₅ ; inadequately characterised end of compositional range to Pd ₅ Bi ₄	b
UM1990-//Bi:Pd[2]	*Dokl. Akad. Nauk SSSR 315, 700	Dokl. Earth Sci. 312, 217	Pd ₅ Bi ₄ ; inadequately characterised end of compositional range to Pd ₂ Bi ₅	b
UM1990-//Bi:PdSbTe	Can. Mineral. 28, 409	Mineral. Petrol. 60, 185	Pd(Bi,Sb,Te); indistinguishable from UM1976-08-Bi:PdSbTe	c
UM1990-//C:Si	Am. Mineral. 75, 1110		β-SiC; the cubic polymorph of moissanite; same as UM1990-09-C:Si	c
UM1990-//CH:Na	*Khomyakov (1990)	Khomyakov (1995)	Na ₂ [C ₂ O ₄]; mineral "M76"; later described under the name natroxalate: Zap. Ross. Mineral. Ob. 125(1) (1996, 126	a
UM1990-//CO:AlCaHY	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK32"; same as UM1979-//CO:AlCaHY; later named micheelsenite: Neues Jb. Mineral Mh (2001), 337	c
UM1990-//CO:BaCaHNAREESrY	*Khomyakov (1990)	Khomyakov (1995)	(Na,Ca,Y,Ce,La)Sr(CO ₃) ₂ ·H ₂ O; mineral "M5"; same as UM1992-05-CO:CaCeLaNaSr	c
UM1990-//CO:BaCaNaREESr[1]	*Khomyakov (1990)	Khomyakov (1995)	(Na,Ca) ₃ (Sr,Ba,REE) ₃ [CO ₃] ₅ ; mineral "M3" not clearly distinct from burbankite	c
UM1990-//CO:BaCaNaREESr[2]	*Khomyakov (1990)	Khomyakov (1995)	(Na,Ca) ₃ (Sr,Ba,REE) ₃ [CO ₃] ₅ ; mineral "M4"; very low analytical total; perhaps related to burbankite but data are inadequate for future recognition elsewhere	b
UM1990-//CO:BaCeF	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK65"; same as the later-described mineral kukharenkoite-(Ce): Can. Mineral. 34 (1996), 107	a
UM1990-//CO:CaHNaSrY	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK37A"; same as UM1986-09-CO:CaHNaSrY	c
UM1990-//CO:Na[1]	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK73"; one of three Na-Carbonates; no X-ray powder data given but said to be distinctive	b
UM1990-//CO:Na[2]	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK73"; a second of three Na-Carbonates; no X-ray powder data given but said to be distinctive	b
UM1990-//CO:Pb	Mineral. Mag. 54, 647	Am. Mineral. 77, 211	PbCO ₃ ·PbO; considered a product of mine fires but later described from another paragenesis as shannonite: Mineral. Mag. 59 (1995), 305	a
UM1990-//CO:PbREE	Austral. Mineral. 5, 125		"UK12" - inadequate data	b
UM1990-//COF:CaHMnNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK62"; later described under the name rouvilleite: Can. Mineral. 29 (1991), 107	a
UM1990-//COOH:AlFeMgMn	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK58"; probably solid solutions or one or more of caresite-3T, quintinite-3T and chararaite-3T	b,c
UM1990-//COHSO:AlCuFeNi	Mineral. Mag. 54, 649	Am. Mineral. 77, 211	Insufficient data; perhaps related to mountkeithite	b,c
UM1990-//E:AlFeMnSi	Dokl. Akad. Nauk UzbSSR (1990) (3), 47	Am. Mineral. 79, 187	(Al,Fe,Si,Mn); X-ray data to show that these intermetallic compounds are distinct from native aluminium, are lacking	b
UM1990-//E:AuPd	Can. Mineral. 28, 687		Au ₃ Pd; inadequate data	b
UM1990-//E:CuFePt	Econ. Geol. 85, 765		Inadequate data; perhaps tulameenite.	b,c
UM1990-//E:CuPd	Can. Mineral. 28, 537	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1990-//E:FeNiOsPdPt	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//E:FeNiOsRu	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//E:FeNiPt[1]	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//E:FeNiPt[2]	Econ. Geol. 85, 765		Pt ₂ FeNi; probably ferronickelplatinum	c
UM1990-//E:FeNiPtRh	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//E:FePt[1]	Am. Mineral. 75, 881	Mineral. Petrol. 60, 185	Pt ₃ Fe; not distinct from isoferroplatinum or perhaps Fe-bearing platinum	c
UM1990-//E:FePt[2]	Econ. Geol. 85, 765		Inadequate data; perhaps tetraferroplatinum	b,c
UM1990-//NbO:CaH	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK56"; same as UM1986-21-NbO:CaH	c
UM1990-//PO:AlCaFeHMgMnNa	Geol. Fören. Förh. 112, 9	Am. Mineral. 75, 1435	Same as UM1985-09-PO:CaFeHMn	c
UM1990-//PO:BaNaSr	*Khomyakov (1990)	Khomyakov (1995)	Ba(Na,Sr) ₂ Na[PO ₄] ₂ ; mineral "M58"; well within compositional range for olgite	c
UM1990-//PO:Ca	Austral. Mineral. 5, 125		"UK10" - inadequate data; similarities to brushite	b,c
UM1990-//PO:CePb	Austral. Mineral. 5, 125		"UK11" - inadequate data; perhaps related to rhabdophane group	b,c
UM1990-//PO:Cu	Austral. Mineral. 5, 125		"UK9" - inadequate data	b
UM1990-//PO:FeHPb	Austral. Mineral. 5, 125		"UK2" - inadequate data; later described under the name kintoreite: Mineral. Mag. 59 (1995), 143	a,b
UM1990-//PO:FeHZn	Austral. Mineral. 5, 125		"UK1b" inadequate data perhaps Zn-bearing whitmoreite	b,c
UM1990-//PO:LaNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK63"; later described under the name nalipoite: Can. Mineral. 29 (1991), 565	a
UM1990-//POSiO:CaCeFSr[1]	*Khomyakov (1990)	Khomyakov (1995)	(Ce,Ca,Sr) ₅ (SiO ₄ ,PO ₄) ₃ F; mineral "M59"; a high-Sr britholite-(Ce)	c
UM1990-//POSiO:CaCeFSr[2]	*Khomyakov (1990)	Khomyakov (1995)	(Ce,Sr,Ca) ₅ (PO ₄ ,SiO ₄) ₃ F; mineral "M60"; Sr-rich fluorapatite admixed with britholite	d
UM1990-//S:AgBiCu	Neues Jb. Mineral. Mh. (1990), 193	Am. Mineral. 76, 302	Later described under the name makovickyite: Neues Jb. Mineral. Abh. 168 (1990), 1329	a
UM1990-//S:AgBiCuPb	Neues Jb. Mineral. Mh. (1990), 193	Am. Mineral. 76, 669	Later described under the name mummeite: Neues Jb. Mineral. Mh. (1992), 555	a

UM1990-//S:AgBiPbTe	*Geol. Rudn. Mest. (1990) (3), 65	Am. Mineral. 76, 1436	AuPb ₂ BiTe ₂ S ₃ ; later described under the name buckhornite: Can. Mineral. 30 (1992), 1039	a
UM1990-//S:AuBi[1]	*Geol. Bavarica 95, 133	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986-//S:AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM1990-//S:AuBi[2]	*Zpravodaj MEGA 14 (3), 146	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986-//S:AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM1990-//S:Cu	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK55"; not compositionally distinct from roxbyte or anilite	c
UM1990-//S:CuFeIrNiPdPtRh	Can. Mineral. 28, 579	Am. Mineral. 76, 1437	(Ni,Fe,Ir,Cu,Rh,Pt) ₃ S ₄ ; appears to be same mineral as UM1990-38-S:CuFeIrNiPtRh	c
UM1990-//S:CuIrPtRh	Can. Mineral. 28, 579	Am. Mineral. 76, 1437	Cu(Pt,Rh,Ir) ₂ S ₄ ; same as UM1981-17-S:CuIrPtRh	c
UM1990-//S:FeIrOs	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//S:FeNa	*Khomyakov (1990)	Khomyakov (1995)	Na ₃ Fe ₇ S ₅ ; mineral "M61" very low analytical total (74%); perhaps a sulphate	b
UM1990-//S:IrPtRh[1]	*Dokl. Akad. Nauk SSSR 312, 1433	Dokl. Earth Sci. 312, 217	(Rh,Ir,Pt) ₃ S ₄ ; probably not distinct from UM1983-//S:IrPtRh & kingstonite	c
UM1990-//S:IrPtRh[2]	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//S:IrRhSb	Mineral. Petrol. 42, 249	Am. Mineral. 76, 1439	Appears to be rhodian tolovkite	c
UM1990-//S:IrRu	Econ. Geol. 85, 765		Inadequate data	b
UM1990-//S:Re	Econ. Geol. 85, 921		ReS ₂ ; inadequate data	b
UM1990-//S:RhSb	Can. Mineral. 28, 503		RhSbS ₅ ; inadequate data; probably same mineral as UM1976-16-S:IrRhSb	b,c
UM1990-//SO:AICHMn	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mn ₆ Al ₃ (SO ₄) ₂ (CO ₃) ₂ (OH) _{17-2x-y} H ₂ O; mineral "UK76"; later equated with shigaite by original authors: Rocks & Minerals 70 (1995), 90; formerly UM1990-45-SO:AICHMn	a
UM1990-//SO:AlCa	*Mitteilungsbl. Landesmuseums "Joanneum", Abt. Mineral. 58, 15	Am. Mineral. 78, 674	Ca ₄ Al ₆ O ₁₂ (SO ₄); probably ye'elimite	c
UM1990-//SO:CuZn	Austral. Mineral. 5, 125		"UK4" - inadequate data; Cu-Zn sulphate with X-ray powder diffraction pattern like parnauite	b,c
UM1990-//Sb:AsBiPdPt	*Dokl. Akad. Nauk SSSR 315, 700	Dokl. Earth Sci. 315, 217	(Pd,Pt) ₃ (Sb,As,Bi); probably mertieite	c
UM1990-//Sb:AsPd	Can. Mineral. 28, 489		Pd ₃ (Sb,As) to Pd ₇ (Sb,As) ₃ ; not distinguishable from stibiopalladinite, mertieite-I or mertieite-II on available data	b,c
UM1990-//Sb:BiFeNiPdTe	Can. Mineral. 28, 409	Am. Mineral. 76, 1437	(Pd,Fe,Ni)(Sb,Te,Bi); not distinguishable from UM1976-23-Sb:BiPdTe	c
UM1990-//Sb:Pd	Dokl. Akad. Nauk SSSR 315, 700	Dokl. Earth Sci. 315, 217	Pd ₈ Sb ₃ ; probably mertieite II	c
UM1990-//Se:BiCu	Mineral. Record 21, 133		Cu ₁₁ (Ni,Co) _{0.4} Bi ₂ Se ₁₃ ; later described under the name eldragónite (Cu ₆ BiSe ₆): Can. Min. 50 (2012), 281; transferred from Valid list	a
UM1990-//Se:Ni	Mineral. Record 21, 133		NiSe ₂ ; not distinct from penroseite, the cubic polymorph of kullerudite	c
UM1990-//Se:PdBi	Dokl. Akad. Nauk SSSR 315, 700	Dokl. Earth Sci. 315, 217	PdBiSe; probably padmaite, described in 1991	c
UM1990-//Si:Fe	*Mineral. Zhurn. 12, (3), 17	Am. Mineral. 77, 212	Fe ₂ Si ₅ ; appears to be the same as UM1986-58-Si:Fe	c
UM1990-//Si:FeMn	Mineral. Zhurn. 12, (6), 35	Am. Mineral. 77, 1118	(Mn,Fe) ₅ Si ₃ ; described later under the name mavlyanovite: Mineral. Mag. 73 (2009), 43; transferred from the Valid list	a
UM1990-//SiO:AlCaFeHKMgMnNaTi	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK29"; same as UM1979-20-SiO:AlCaFeHKMgMnNaTi	c
UM1990-//SiO:AlCaFeHKMnNaTi	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK38"; same as UM1986-60-SiO:AlCaFeHKMnNaTi	c
UM1990-//SiO:AlCaHKNa	*Khomyakov (1990)	Khomyakov (1995)	(K,Ca,Na) ₂ [Al ₄ Si ₈ O ₂₄]*11H ₂ O mineral "M13"; later described under the name gmelinitite-K;	a
UM1990-//SiO:AlFeHNATi	*Khomyakov (1990)	Khomyakov (1995)	Na(Ti,Fe ³⁺) ₂ Si ₄ O ₁₂ (OH)*H ₂ O; mineral "M48"; later described under the name paravinoogradovite: Can. Mineral. 41 (2003), 989	a
UM1990-//SiO:AlHK	*Khomyakov (1990)	Khomyakov (1995)	K ₂ Al ₂ Si ₃ O ₁₀ *3H ₂ O; mineral "M12"; an anthropogenetically K-exchanged parnatrolite	f
UM1990-//SiO:BBeCaFeHREEY	*Rend. Fisiche Accad. Lincei, Ser. 9, 1 159	Am. Mineral. 77, 672	Ca ₂ Fe ³⁺ (Y,Ce,Nd) ₂ B ₂ BeSi ₄ O ₁₅ (OH) ₇ ; apparently the same as calcybeborosilite-(Y)	c
UM1990-//SiO:BBeCaHY	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK48"; same as UM1986-61-SiO:BBeCaHY	c
UM1990-//SiO:BNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK53A"; transferred to Valid list as a malinkoite polymorph	c
UM1990-//SiO:BNa	*Khomyakov (1990)	Khomyakov (1995)	NaBSiO ₄ ; mineral "M65"; described later under the name malinkoite: Zap. Vser. Mineral. Ob. 129 (6) (2000), 35	c
UM1990-//SiO:BNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK53A"; later described under the name malinkoite: Zap. Vser. Mineral. Ob. 129 (6) (2000) (6), 35	a
UM1990-//SiO:BaCaFFeHMnNaSrTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₂ (Ba,Sr,Ca) ₂ (Fe,Mn)TiSi ₂ O ₉ (F,OH) ₂ *2H ₂ O; mineral "M74"; later described under the name bussetite: Zap. Vses. Mineral. Ob. 130, 50	a
UM1990-//SiO:BaCaFHMnNaNbSrTi	*Khomyakov (1990)	Eur. J. Mineral. 21, 251	Ba-bearing titano-niobosilicate; mineral "M73"; later described under the name nechelyustovite: Eur. J. Mineral. 21 (2009), 251	a
UM1990-//SiO:BaCeFeHKNaTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₂ (Ba,K) ₆ Ce ₂ Fe ²⁺ Ti ₃ [Si ₃ O ₉] ₃ [SiO ₃ OH] ₃ (OH,H ₂ O) ₉ ; mineral "M30"; later described under the name diversilite-(Ce): Zap. Vser. Mineral. Ob. 132 (5) (2003), 34	a
UM1990-//SiO:BaFHMnNaNbTi	*Khomyakov (1990)	Khomyakov (1995)	Ba(Na,Ba)Na ₃ Ti ₃ Si ₄ O ₁₆ (OH,F) ₂ ; mineral "M54"; not distinct from nabalamprophyllite	c
UM1990-//SiO:BaFHKMnNaNbTi	*Khomyakov (1990)	Khomyakov (1995)	(Na,K) ₄ (Ba,Sr,Ti,Nb,Mn) ₃ Si ₄ O ₁₇ F*4H ₂ O; mineral "M72"; described later under the name bykovaite: Zap. Vser. Mineral. Ob. 134 (5), 40	a

UM1990-//SiO:BaNbTi	*Kristallografiya 35, 346	Am. Mineral. 76, 670	Ba ₃ TiNb ₄ Si ₄ O ₂₃ ; later described under the name belkovite : Neues Jb. Mineral. Mh. (1986), 67	a
UM1990-//SiO:CCeHNaThTi	*Khomyakov (1990)	Khomyakov (1995)	(Na,Ce,Th,Ti,Si,C)xOy·nH ₂ O; mineral "M32"; data do not meet the requirements for definition of a mineral	f
UM1990-//SiO:CaClFHKNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	"UK57"; UM1986-//SiO:CaClFHKNa (probably fedorite)	c
UM1990-//SiO:CaClHMnNaZr	*Khomyakov (1990)	Khomyakov (1995)	Na ₁₆ CasMn ₂ (Zr,Nb) ₃ Si ₂₄ O ₆₆ (OH) ₆ Cl; mineral "M38", a thesis analysis; not distinct from UM1998-21-SiO:CaCeClHMnNaZr or perhaps UM2006-28-SiO:CaHMnNaZr	c
UM1990-//SiO:CaFFeMnNaNbTiZr	Mineral. Record 21, 363	Am. Mineral. 76, 302	NaCa(Mn,Fe)(Ti,Nb,Zr)Si ₂ O ₇ (O,F) ₂ ; mineral "UK59"; later named normandite : Can. Mineral. 35 (1997), 1035. Formerly coded as UM1990-65-SiO:CaFFeMnNaNbTiZr	a
UM1990-//SiO:CaFeMnNaTiYZr[1]	*Khomyakov (1990)	Khomyakov (1995)	Na ₇ Ca(Mn,Fe,Zr,Ti,Y)Si ₆ O ₁₈ ; mineral "M44"; inadequate data - no analysis, unit cell or X-ray powder pattern	b
UM1990-//SiO:CaFeMnNaTiYZr[2]	*Khomyakov (1990)	Khomyakov (1995)	Na ₇ Ca(Fe,Mn,Zr,Ti,Y)Si ₆ O ₁₈ ; mineral "M45"; inadequate data - no analysis, unit cell or X-ray powder pattern	b
UM1990-//SiO:CaFeNaNbTi	Mineral. Record 21, 363	Am. Mineral. 76, 302	"UK74"; X-ray powder diffraction and cell data; later named lintisite : Zap. Vses. Mineral. Ob. 119 (1990) (3), 76. Formerly coded as UM1990-68-SiO:CaFeNaNbTi	a
UM1990-//SiO:CaHNaNbSrTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₂ (Ca,Sr)(Nb,Ti) ₂ Si ₄ O ₁₂ (O,OH) ₄ ·3H ₂ O; mineral "M70"; data presented do not allow distinction from nenadkevichite	c
UM1990-//SiO:CaHNaTi	Mineral. Record 21, 363	Am. Mineral. 76, 302	"UK61"; Na ₁₋₂ Ca ₂ Ti ₃ Si ₈ O ₂₄ (OH) ₁₋₂ ·5H ₂ O; later described under the name haineaultite : Can. Mineral. 42 (2004), 769	a
UM1990-//SiO:Ce	*Khomyakov (1990)	Khomyakov (1995)	Ce ₂ Si ₆ O ₁₅ ; mineral "M29"; the same as UM1979-22-SiO:CeLaNd	c
UM1990-//SiO:CeFHNaSrTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₄ SrCeTiSi ₈ (O,OH,F) ₂₄ ·4H ₂ O; mineral M31; later described under the name seidite -(Ce): Zap. Vser. Mineral. Ob. 127 (2000), 94	a
UM1990-//SiO:CuZn	Austral. Mineral. 5, 125		"UK8" - inadequate data	b
UM1990-//SiO:FHNaNbTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₁₀ MnTi ₃ Nb ₃ (Si ₂ O ₇) ₆ (OH) ₂ F·12H ₂ O mineral "M75"; described later under the name shkatulkaite : Zap. Vser. Mineral. Ob. 125 (1) (1996), 120	a
UM1990-//SiO:FHNaZr	Mineral. Record 21, 363	Am. Mineral. 76, 302	"UK69"; Na ₂ Zr ₂ Si ₇ O ₁₈ (OH,F) ₂ ·8H ₂ O; described later under the name bobtrillite : Can. Mineral. 43 (2005), 747	a
UM1990-//SiO:FeHKMnNa[1]	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK52"; same as UM1986-63-SiO:FeHKMnNa	c
UM1990-//SiO:FeHKMnNa[2]	*Khomyakov (1990)	Khomyakov (1995)	(Na,K) ₆ (Mn ²⁺ ,Fe ²⁺ ,Fe ³⁺) ₃ Si ₉ O ₂₄ ·6H ₂ O; mineral "M20"; not the Fe-analogue of shafaranovskite because Fe ²⁺ is not dominant	c
UM1990-//SiO:FeHNa	*Khomyakov (1990)	Khomyakov (1995)	NaH ₂ Fe ³⁺ Si ₃ O ₉ ·nH ₂ O; mineral "M21"; inadequate data; compositionally similar to tuperssuatsiaite	b
UM1990-//SiO:FeHNaTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₃ (Fe ²⁺ ,Fe ³⁺) ₆ Ti ₂ Si ₁₂ O ₃₅ (OH) ₂ ·6H ₂ O; mineral "M71"; described later under the name nafertisite : Zap. Vser. Mineral. Ob. 124 (6) (1995), 101	a
UM1990-//SiO:FeHNaZr	*Khomyakov (1990)	Khomyakov (1995)	Na ₅ FeZr ₂ Si ₆ O ₂₀ ·8H ₂ O; mineral "M36"; same as UM1967-13-SiO:FeHNaZr	c
UM1990-//SiO:HKMnNaNbTi	*Khomyakov (1990)	Khomyakov (1995)	(Na,H ₃ O,K) ₇ -xMn(Ti,Nb)Si ₁₀ O ₂₆ (OH) ₄ H ₂ O; mineral "M66"; described later under the name intersilite : Zap. Vser. Mineral. Ob. 125 (4) (1996), 79	a
UM1990-//SiO:HLiNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK81"; later described under the name silinaite : Can. Mineral. 29 (1991), 359	a
UM1990-//SiO:HMnNaZn	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK84"; later described under the name gaultite : Can. Mineral. 32 (1994), 855	a
UM1990-//SiO:HMnNaZr[1]	*Khomyakov (1990)	Khomyakov (1995)	Na ₂ MnZrSi ₄ O ₁₂ ·6H ₂ O; mineral "M35"; same as UK1-1967-(SiO:HMnNaZr)	c
UM1990-//SiO:HMnNaZr[2]	*Khomyakov (1990)	Khomyakov (1995)	Na<6(Mn ²⁺ ,Mn ⁴⁺ ,Ca)<1ZrSi ₆ (O,OH) ₁₈ ; mineral "M40"; compositionally and in most other respects. very similar to zirsinalite	c
UM1990-//SiO:HNAREETiY	*Khomyakov (1990)	Khomyakov (1995)	Na ₅ (Y,REE)(Ti,Nb)Si ₆ O ₁₈ ·6H ₂ O; mineral "M67"; described later under the name pyatenkoite -(Y): Zap. Vser. Mineral. Ob. 125 (4) (1996), 72	a
UM1990-//SiO:HNaTi	*Khomyakov (1990)	Khomyakov (1995)	Na ₄ Ti ₂ Si ₈ O ₂₂ ·5H ₂ O; mineral "M68"; described later under the name penkvilksite-1M : Am. Mineral. 79 (1994), 1185.	a
UM1990-//SiO:HNaZr	*Khomyakov (1990)	Khomyakov (1995)	(Na,Ca) ₂ Zr ₂ Si ₄ O ₁₂ (OH,O) ₃ H ₂ O; mineral "M34"; same as UK1-1975-(SiO:HNaZr)	c
UM1990-//SiO:NaZr	*Khomyakov (1990)	Khomyakov (1995)	Na ₈ ZrSi ₆ O ₁₈ ; mineral "M39"; later described under the name townendite : Am. Mineral. 95 (2010), 646	a
UM1990-//SiO:KNaNbTi	*Khomyakov (1990)	Khomyakov (1995)	(K,Na) ₃ TiNbSi ₄ O ₁₄ ; minerals "M51" & "M69"; not distinct from lemleinite-K	c
UM1990-//SiPO:CaCeFHNa	Mineral. Record 21, 363	Am. Mineral. 76, 302	Mont St. Hilaire mineral "UK64"; later described under the name phosinaite : Can. Mineral. 34 (1996), 107	a
UM1990-//Te:BiPd	Can. Mineral. 28, 489		Pd ₈ Bi ₆ Te ₃ ; probably the same as UM1982-05-Bi:PdTe	c
UM1991-//As:FePtS	Mineral. Petrol. 43, 181		(Fe,Pt)(As,S); inadequate data	b
UM1991-//As:IrPt	*Dokl. Akad. Nauk SSSR 320, 705	Am. Mineral. 78, 673	(Pt,Ir) ₂ (As,S) ₃ ; appears to be Ir-bearing variety of UM1991-03-As:PtRhS	c
UM1991-//As:OsRuTe	Mineral. Petrol. 43, 181		(Ru,Os)(As,Te); inadequate data - possibly Te-bearing anduoite	b,c
UM1991-//AsTe:Ru	Mineral. Petrol. 43, 181		RuAsTe; inadequate data - only formula	b
UM1991-//AsO:CaHMn	Aufschluss 42, 1	Am. Mineral. 78, 675	Later described under the name sailauffite : Eur. J. Mineral. 15 (2003), 555	a
UM1991-//AsO:HMgU	*Acta Cryst. C47, 2013	Am. Mineral. 78, 453	Same as UM1963-01-AsO:MgU; later described under the name seelite : Mineral. Record 24 (1993), 463	a

UM1991-/-CH:CaHO	*Casopis Mineral. Geol. 36, 77	Am. Mineral. 77, 450	C ₄ H ₆ CaO ₄ •H ₂ O; product of burning coal dump; (see also ICDD 30-221)	f
UM1991-/-CO:BaMn	*J. Mineral. Soc. Japan 18, 347	Zap. Vses. Mineral. Ob. 122 (5), 64	BaMn(CO ₃) ₂ ; appears to be the same as UM1988-01-CO:BaMn	c
UM1991-/-CO:CaREEY	*Dokl. Akad. Nauk SSSR 326, 883	Am. Mineral. 79, 188	Ca ₄ (Y _{0.8} REE _{0.2}) ₃ (CO ₃) ₈ (OH)•2H ₂ O; probably kamphaugite described later	c,a
UM1991-/-COF:BaCaCe	*Acta Petrol. Mineral. 10, 246	Am. Mineral. 77, 1118	(Ca _{0.5} CO _{0.5})BaCe ₂ (CO ₃) ₄ F; apparently identical to cordylite-(Ce)	c
UM1991-/-COF:CaCe	*Acta Mineral. Sinica 11, 193	Am. Mineral. 79, 188	10 mixed-layer basnåtsite/synchysisite polytypes; without any compositional data	b
UM1991-/-COF:CaMnNa[1]	*Moscow Univ. Geol. Bull. 46 (5), 74		Na ₃ Ca(Mn,Ca)(CO ₃) ₃ F; described the same year as rouvilleite: Can. Mineral. 29 (1991), 107	a,c
UM1991-/-COF:CaMnNa[2]	*Kristallografiya 36, 30	Am. Mineral. 77, 450	Na ₃ Ca(Mn,Ca)(CO ₃) ₃ F; same as UM1991-/-COF:CaMnNa[1]	c
UM1991-/-E:AuCu	Eur. J. Mineral. 3, 451		CuAu ₃ ; probably same as cuproaurite, transferred from Valid list	c
UM1991-/-E:FePt	*Dokl. Akad. Nauk SSSR 317, 1458	Zap. Vser. Mineral. Ob. 122 (5), 64	Fe ₃ Pt; not distinct from UM1984-18-E:FeNiPt; formerly coded as UM1991-07-E:FePt	c
UM1991-/-O:HMn	Dokl. Akad. Nauk SSSR 319, 722	Zap. Vser. Mineral. Ob. 122 (5), 64	A 9.8 Å manganese oxide; inadequate data, perhaps a variety of buserite	b,c
UM1991-/-OH:ClFe	Can. Mineral. 29, 239	Am. Mineral. 77, 672	FeCl(OH) ₃ ; apparent the same as UM1989-/-OH:ClFe (=hibbingite)	c
UM1991-/-S:AgBiCuPbSe	Mineral. Petrol. 44, 89		(Cu,Ag) ₃ (Bi,Pb) ₇ (S,Se) ₁₂ ; indistinguishable from UM1986-32-S:AgBiCuPbSe	c
UM1991-/-S:AgCuPd	Mineral. Petrol. 43, 181		Pd ₂ (Cu,Ag) ₂ S ₃ ; identical to UM1989-17-S:AgCuPd	c
UM1991-/-S:AsCoFeNi	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (4), 51	Am. Mineral. 79, 1213	(Co,Ni,Fe,Cu)AsS; not distinguishable from glaucodot; see also UM1963-/-S:AsCoNi	c
UM1991-/-S:AsCu	Novye Dannye Mineral. 37, 81	Am. Mineral. 80, 849	Cu ₃ AsS ₃ ?; inadequate data; perhaps mgriite	b,c
UM1991-/-S:AsPt	Mineral. Petrol. 43, 181		PtAs ₂ S ₄ ; identical to UM1989-20-S:AsPt	c
UM1991-/-S:AuBi	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (3), 63	Am. Mineral. 79, 1212	Bi ₅ AuS ₄ ; probably same as UM1986-38-S:AuBi	c
UM1991-/-S:AuBiPb[1]	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (3), 63	Am. Mineral. 79, 1212	(Bi,Pb) ₅ AuS ₄ ; probably same as UM1986-38-S:AuBi	c
UM1991-/-S:AuBiPb[2]	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (3), 63	Am. Mineral. 79, 1212	(Bi,Au,Pb) ₆ S ₄ ; probably same as UM1986-38-S:AuBi	c
UM1991-/-S:AuBiPb[3]	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (3), 63	Am. Mineral. 79, 1212	(Bi,Au,Pb) ₆ S ₃ ; probably same as UM1991-13-S:AuBiPb	c
UM1991-/-S:CuFeMoRe	Eur. J. Mineral. 3, 977	Am. Mineral. 77, 1117	(Cu,Fe)(Re,Mo) ₄ S ₈ ; same as UM1982-/-S:CuMoRe; later described under the name tarkianite: Can. Mineral. 42 (2004), 539	a,c
UM1991-/-S:CuFeZn	*Acta Mineral. Sinica 11 (1) 78	Am. Mineral. 78, 453	(Zn,Fe,Cu) ₃ S; anisotropic - probably same as UM1989-24-S:CuFeZn	c
UM1991-/-S:FeRh	*C. R. Acad. Sci. Paris, Ser. II, 312, 55	Am. Mineral. 76, 1733	FeRh ₂ S ₄ ; later described under the name ferorhodsite: Zap. Vser. Mineral. Ob. 127 (1998) (5), 37	a
UM1991-/-S:IrPtRh	Can. Mineral. 29, 419		(Rh,Ir,Pt) ₃ S ₄ ; appears to be the same mineral as UM1983-/-S:IrPtRh & kingstonite	c
UM1991-/-STE:CuFePdSn	Mineral. Petrol. 43, 181		Pd ₅ (Cu,Fe)SnTe ₂ S; inadequate data - formula only	b
UM1991-/-SO:HcZn	J. Russel Soc. 4 (1), 13	Am. Mineral. 78, 674	(Zn,Cu) ₅ (SO ₄) ₂ (OH) ₆ •6H ₂ O; the Zn-analogue of ktenasite and apparently the same mineral as UM1979-18-SO:CuHZn	c
UM1991-/-Sb:BiPtSn	Mineral. Zhurn. 13 (1), 31	Am. Mineral. 78, 233	Pt ₃ (Sb,Sn,Bi) ₄ ; inadequate data: heavy analytical contamination	b
UM1991-/-Se:BiCuPb	*Novye Dannye Mineral. 37, 81	Am. Mineral. 80, 848	Inadequate data from impure material; perhaps S-free soucekite	b,c
UM1991-/-SiO:AICHN	*Dokl. Akad. Nauk SSSR 317, 884	Am. Mineral. 77, 1118	[N(CH ₃) ₄][Si ₂ (Si _{0.5} Al _{0.5} O ₆) ₂]; later described under the name tsaregorodtsevite: Zap. Vser. Mineral. Ob. 122 (1993) (1), 128	a
UM1991-/-SiO:AICHNa	*Moscow Univ. Geol. Bull., 46 (5), 74	Am. Mineral. 78, 235	Na ₇ 2[Si ₇ 2Al ₄ 8O ₂₄](CO ₃) _{1.2} •3H ₂ O; later described under the name cancrisiliite: Zap. Vser. Mineral. Ob. 120 (1991) (6), 80	a
UM1991-/-SiO:BNa	*Dokl. Akad. Nauk SSSR 319, 879	Zap. Vses. Mineral. Ob. 122 (5), 64	NaBSiO ₄ ; appears to be the same as UM1990-64-SiO:BNa	c
UM1991-/-SiO:BaFeMnTi	*Soviet Phys. Cryst. 36 (2), 186	Am. Mineral. 77, 451	Ba(Mn,Fe) ₂ TiSi ₂ O ₇ (O,OH) ₂ ; later named hejtmantite: Eur. J. Mineral. 4 (1992), 35; intergrown and polymorphous with UM1989-33-SiO:BaHMnTi	a
UM1991-/-SiO:FeHKMnNaTi	*Kristallografiya 36, 892.	Am. Mineral. 77, 673	Na ₄ K ₃ (Fe,Mn,Ti) ₂ Si ₈ O ₂₀ (OH) ₄ •4H ₂ O; later described under the name ershovite: Zap. Vser. Mineral. Ob. 122 (1993) (1), 116	a
UM1991-/-SiO:HMnSr	*Ber. dtsh. Mineral. Gesell.	Zap. Vses. Mineral. Ob. 122 (5), 64	SrMn ₂ [Si ₂ O ₇](OH) ₂ •2H ₂ O; later described under the name hennomartinite: Schweiz. Mineral. Petrog. Mitt. 73 (1993), 349	a
UM1991-/-Te:Bi	*Acta Geol. Sinica 65, 127	Can. Min. 45, 665	Bi ₂ Te; presumably the same as UM1980-16-Te:Bi	c
UM1991-/-Te:BiPd	Mineral. Petrol. 43, 181		PdBiTe ₂ ; inadequate data - formula only	b
UM1991-/-Te:BiSse	*Geol. Surv. Finland. Sp. Paper 12, 81	Can. Min. 45, 665	Bi ₂ (Te,Se); probably not distinct from UM1980-16-Te:Bi	c
UM1991-/-Te:Pd	Mineral. Petrol. 43, 181		Pd ₈ Te ₃ ; apparently identical to UM1989-/-Te:Pd	c
UM1992-/-As:NiRh	Mineral. Petrol. 47, 37	Am. Mineral. 78, 1111	(Rh,Ru)(Ni,Fe)(As,Sb); probably the same as UM1983-03-As:NiRh	c
UM1992-/-As:Pd[1]	Can. Mineral. 30, 121	Am. Mineral. 77, 1307	Pd ₅ As ₂ ; same as UM1975-05-As:Pd	c
UM1992-/-As:Pd[2]	Dokl. Bolg. Akad. Nauk 45, 37	Am. Mineral. 79, 37	Pd ₄ As ₃ ; not distinguishable from UM1984-07-As:Pd	c
UM1992-/-CO:CaHREEY	*Dokl. Akad. Nauk SSSR 326, 883	Am. Mineral. 79, 188	Ca ₄ (Y _{0.8} REE _{0.2}) ₃ (CO ₃) ₈ (OH)•2H ₂ O; unsatisfactory data; perhaps kamphaugite-(Y)	b,c
UM1992-/-COPO:NaSr	*Dokl. Akad. Nauk SSSR 322, 531	Am. Mineral. 78, 235	Na ₃ Sr(PO ₄)(CO ₃); later described under the name crawfordite: Zap. Vser. Mineral. Ob. 123 (1994) (3), 41	a

UM1992-//COSO:BaCIFHNaREE	*Soviet Phys. Cryst. 37, 753	Am. Mineral. 79, 189	Na ₂₅ BaREE ₂ (CO ₃) ₁₁ (HCO ₃) ₄ (SO ₄) ₂ F ₂ Cl; described later under the name mineevite-(Y): Zap. Vser. Mineral. Ob. 121 (1992) (6), 138	a
UM1992-//E:AuCu	Eur. J. Mineral. 4, 683	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1992-//E:AuCuPd	Eur. J. Mineral. 4, 683	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1992-//E:AuCuPt	Eur. J. Mineral. 4, 683	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1992-//E:AuCuPdPt	Austral. J. Earth Sci. 39, 389		(Pd,Pt,Au) ₂ Cu; same as UM1992-07-E:AuCuPdPt	c
UM1992-//E:AuPbSn	Eur. J. Mineral. 4, 683	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1992-//E:AuPd	Eur. J. Mineral. 4, 683	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1992-//E:AuPdPtSn	Eur. J. Mineral. 4, 683	Mineral. Petrol. 60, 185	Only qualitative compositional information	b
UM1992-//E:CuPdSn	Mineral. Petrol. 46, 85	Mineral. Petrol. 60, 185	(Pd,Cu) ₃ Sn, same as UM1970-//E:CuPdSn	c
UM1992-//E:CuPtSb	Mineral. Zhurn. 14 (2), 12	Am. Mineral. 80, 406	Pt(Cu,Sb) ₃ ; probably a Sb-bearing variety of UM1986-17-E:CuPt	c
UM1992-//O:BaHTiV	*Soviet Phys. Cryst. 37, 311	Am. Mineral. 79, 188	Ba(Ti,V,Cr,Fe,Mg,Al) ₈ (O,OH) ₁₆ ; only c cell dimension (5x) differs significantly from ankangite	b
UM1992-//O:CaFe	*Chesnokov <i>et al.</i> (1992), 126	Eur. J. Mineral. 17, 623	CaFe ₄ O ₇ ; from burning coal dumps; not a legitimate mineral	f
UM1992-//O:FeIrPtRh	Explor. Mining Geol. 5, 73		(Ir,Fe,Rh,Pt) ₂ O ₂ ; not distinct from UM1992-13-O:IrPt	c
UM1992-//O:Ir	Austral. J. Earth Sci. 39, 389	Am. Mineral. 78, 1110	IrO ₂ ; same as UM1992-13-O:IrPt	c
UM1992-//PO:AlFe	Mineral. Record 23 (4), 4		Fe, Al & P present; weak diffraction pattern; inadequate data	b
UM1992-//S:AgCuPd[1]	*Geol. Rudn. Mest. (1992) (2), 32	Am. Mineral. 78, 673	(Pd,Ag,Cu) ₄ S ₃ ; same mineral as UM1989-17-S:AgCuPd	c
UM1992-//S:AgCuPd[2]	Internat. Geol. Rev. 34, 503	Mineral. Petrol. 60, 185	(Pd,Ag,Cu) ₄ S ₃ ; probably same as UM1989-17-S:AgCuPd	c
UM1992-//S:AuBi	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (1991) (3), 63	Am. Mineral. 79, 1212	Bi ₅ AuS ₄ ; appears to be the same mineral as UM1986-38-S:AuBi	c
UM1992-//S:AuBiPb[1]	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (1991) (3), 63	Am. Mineral. 79, 1212	(Bi,Pb) ₅ AuS ₄ ; appears to be a Pb-bearing variety of UM1986-38-S:AuBi	c
UM1992-//S:AuBiPb[2]	*Izv. Akad. Nauk Kaz. SSR, Ser. Geol. (1991) (3), 63	Am. Mineral. 79, 1212	(Bi,Au,Pb) ₆ S ₃ ; probably not distinct from UM1991-13-S:AuBiPb	c
UM1992-//S:AuCuOsPdPtRh	Austral. J. Earth Sci. 39, 389		(Pt,Cu,Pd,Rh,Os,Au,Ir,Ni) ₃ S ₂ ; same as UM1992-26-S:CuOsPdPtRh	c
UM1992-//S:BiFeRhSb	Mineral. Petrol. 47, 37	Am. Mineral. 78, 1111	(Rh,Fe)(Sb,Bi) ₃ S; probably same as UM1976-16-S:IrRhSb & UM1992-//S:IrPtRhSb	c
UM1992-//S:Cu	*Dokl. Akad. Nauk SSSR 323, 1170	Am. Mineral. 79, 187	Cu _{1.96} S; possibly a metastable tetragonal polymorph of djurite but phase disappeared after 6 years in storage	b,c
UM1992-//S:CuFeInZn	Mining Geol. 39, 355	Am. Mineral. 80, 407	Same as UM1980-//S:CuFeInZn (=sakuraiite)	c
UM1992-//S:CuFePdSnTe[1]	*Geol. Rudn. Mest. (1992) (2), 32	Am. Mineral. 78, 673	(Pd,Cu,Pt,Fe) ₉ Sn(Te,S) ₄ ; not compositionally distinct from oulankaite	c
UM1992-//S:CuFePdSnTe[2]	*Dokl. Akad. Nauk SSSR 323, 539	Am. Mineral. 79, 390	(Pd,Cu,Pt,Fe,Ag) ₉ Sn(Te,S) ₄ ; not compositionally distinct from oulankaite	c
UM1992-//S:CuGeW	Ann. Geol. Penins. Balk. 57, 301	Zap. Vser. Mineral. Ob. 125 (6), 88	Cu ₆ GeWS ₈ ; later described under the name catamarcaite: Can. Mineral. 44 (2006), 1481	a
UM1992-//S:CuNiPdPt	Austral. J. Earth Sci. 39, 389		(Pd,Pt) ₃ (Cu,Ni) ₂ S ₂ ; same as UM1992-27-S:CuPdPt & UM1992-//S:CuPdPt	c
UM1992-//S:CuNiPdPtRh	Austral. J. Earth Sci. 39, 389	Am. Mineral. 78, 1110	(Rh,Ir)(Pt,Pd)(Cu,Ni) ₄ S ₄ ; inadequate data - probably cuprorhodsite	b,c
UM1992-//S:CuOsPdPtRh	Austral. J. Earth Sci. 39, 389		(Pt,Pd,Rh) ₃ S ₂ ; same as UM1992-26-S:CuOsPdPtRh	c
UM1992-//S:CuPdPt	Austral. J. Earth Sci. 39, 389	Am. Mineral. 78, 1110	(Pd,Pt) ₃ (Cu,Ni) ₂ S ₂ ; same as UM1992-27-S:CuPdPt	c
UM1992-//S:CuPdPtRh	Austral. J. Earth Sci. 39, 389	Am. Mineral. 78, 1110	(Pd,Pt) ₂ RhCuS ₄ ; same as UM1992-28-S:CuPdPtRh	c
UM1992-//S:FeNiRh	*Mineral. Zhurn. 14, (1), 29	Am. Mineral. 79, 1211	(Ni,Fe,Rh) ₃ S; probably same mineral as UM1990-38-S:CuFeIrNiPtRh	c
UM1992-//S:IrPtRhSb	Mineral. Petrol. 47, 37	Am. Mineral. 78, 1111	(Rh,Pt,Ir,Fe)Sb ₃ ; probably same as UM1976-16-S:IrRhSb	c
UM1992-//S:IrRhSb	*Mineral. Zhurn. 14, (1), 29	Am. Mineral. 79, 1211	(Rh,Ir)Sb ₃ ; probably same mineral as UM1976-16-S:IrRhSb & UM1992-//S:BiFeRhSb	c
UM1992-//S:Pd	Austral. J. Earth Sci. 39, 389	Am. Mineral. 78, 1110	Pd ₄ S; same as UM1992-29-S:Pd	c
UM1992-//S:PdPt	Austral. J. Earth Sci. 39, 389		(Pd,Pt) ₂ S ₂ ; same as UM1992-30-S:PdPt	c
UM1992-//Sb:AsPd[1]	Can. Mineral. 30, 121	Am. Mineral. 78, 1111	Pd ₂ (Sb,As); appears to be an As-bearing variety of UM1974-15-Sb:Pd	c
UM1992-//Sb:AsPd[2]	*Russian Geol. Geophys. 33 (1), 87	Am. Mineral. 78, 1111	Pd ₂ (Sb,As); appears to be an As-bearing variety of UM1974-15-Sb:Pd	c
UM1992-//Sb:Pd[1]	*Geol. Rudn. Mest. (1992) (2), 32	Am. Mineral. 78, 673	Pd ₈ Sb ₃ ; not compositionally distinct from mertieite-II	c
UM1992-//Sb:Pd[2]	Internat. Geol. Rev. 34, 503	Mineral. Petrol. 60, 185	Pd ₈ Sb ₃ ; same as UM1975-//Sb:Pd	c
UM1992-//Sb:Pd[3]	*Mineral. Zhurn. 14, (1), 29	Am. Mineral. 79, 1211	(Pd,Cu) ₃ Sb; probably the same as UM1986-53-Sb:AsPdSn	c
UM1992-//Sb:PdPt	*Mineral. Zhurn. 14, (1), 29	Am. Mineral. 79, 1211	(Pd,Pt) ₄ Sb ₃ ; same as ungavaite described later: Can. Mineral. 43 (2005), 1735	a
UM1992-//Se:BiCu	Mineral. Polonica 23 (2), 35	Am. Mineral. 80, 186	(Bi,Cu) ₄ Se ₃ ; apparently a Cu-bearing and S-free laitakarite	c
UM1992-//SiO:BaFHMnNa	*Soviet Phys. Cryst. 37, 174	Am. Mineral. 78, 675	NaBa ₃ (Mn ²⁺ ,Mn ³⁺) ₄ [Si ₄ O ₁₀ (OH) ₂][Si ₂ O ₇]O ₂ F•H ₂ O; later described under the name strakhovite: Zap. Vser. Mineral. Ob. 123 (1994) (4), 94	a
UM1992-//SiO:HKNa	*Soviet Phys. Cryst. 37, 167	Am. Mineral. 78, 676	Na ₈ K[Si ₆ O ₁₈ (OH) ₉]•19H ₂ O; later described under the name megacyclite: Zap. Vser. Mineral. Ob. 122 (1993) (1), 125	a
UM1992-//SiO:HKNaNbREETiYzr	*Soviet Phys. Cryst. 37, 845	Am. Mineral. 79, 189	(Na,K) ₅ (Y,REE)(Zr,Ti,Nb)Si ₆ O ₁₈ •6H ₂ O; later described under the name sazykinaite-(Y): Zap. Vser. Mineral. Ob. 122 (1993) (5), 76	a
UM1992-//SiO:HMnSr	Eur. J. Mineral. 4, 17	Am. Mineral. 77, 1307	Later described under the name hennomartinite: Schweiz. Mineral. Petrog. Mitt. 73 (1993), 349	a
UM1992-//SiO:KTI	Can. Mineral. 30, 1153	Am. Mineral. 78, 1112	K ₂ TiSi ₃ O ₉ ; same as UM1989-35-SiO:KTI; probably the Ti-analogue of wadeite; formerly coded as UM1992-37-SiO:KTI	c
UM1992-//Sn:PdSb	Internat. Geol. Rev. 34, 503	Mineral. Petrol. 60, 185	Pd ₂ (Sn,Sb); same as UM1976-27-Sn:PdSb	c

UM1992-//Te:AgBiPd	*Geol. Rudn. Mest. (1992) (2), 32	Am. Mineral. 78, 673	(Pd,Ag) ₈ (Te,Bi) ₃ ; possibly a Bi-bearing variant of UM1981-31-Te:Pd	c
UM1992-//Te:AgPd	*Geol. Rudn. Mest. (1992) (2), 32	Am. Mineral. 78, 673	Pd ₆ AgTe ₄ ; same as UM1991-25-Te:AgPd	c
UM1992-//Te:AsPdPt	Austral. J. Earth Sci. 39, 389		(Pt,Pd) ₃ (Te,As); inadequate data	b
UM1992-//Te:AsPdPtS	Can. Mineral. 30, 983	Am. Mineral. 78, 1110	(Pd,Pt) ₃ (Te,As,S); perhaps keithconnite or UM1974-24-Te:Pd	c
UM1992-//Te:CuFePdPtSnS	Internat. Geol. Rev. 34, 503	Mineral. Petrol. 60, 185	(Pd,Pt,Cu,Fe) ₉ Sn(Te,S) ₄ ; apparently oulankaite	c
UM1992-//Te:Pd	Internat. Geol. Rev. 34, 503	Mineral. Petrol. 60, 185	Pd ₈ Te ₃ ; same as UM1981-31-Te:Pd	c
UM1993-//AsO:AlCuFe	Mineral. Record 24, 203		No formula or other data	b
UM1993-//AsO:BiCu	Mineral. Record 24, 11		No formula or other data	b
UM1993-//AsO:CaClCuNaP	Mineral. Record 24, 203		No formula or other data	b
UM1993-//AsO:CuH	Mineral. Record 24, 203		No formula or other data; reported as arsenate-analogue of pseudomalachite; probably cornwallite	b,c
UM1993-//AsO:FeHSTI	Mineral. Record 24, 437		Fe ₂ Tl(As,S) ₃ O ₁₂ •4H ₂ O; inadequate data; same as UM1994-01-AsO:FeHSTI	b,c
UM1993-//BO:CaHNa	Kristallografiya 38, 71	Am. Mineral. 79, 1213	NaCa ₂ B ₉ O ₁₄ (OH) ₄ •2H ₂ O; later described under the name studenitsite: Zap. Vser. Mineral. Ob. 124 (1998) (3), 37	a
UM1993-//Bi:PdPtSnTe	Can. Mineral. 31, 31		(Pt,Pd)(Bi,Te,Sn); apparently a mixture	d
UM1993-//Bi:PdTe	Explor. Mining Geol. 2, 105		Pd(Bi,Te); inadequate data; not distinguishable from Te-bearing sobolevskite	c
UM1993-//Cl:CaFeO	ICDD 45-1437		CaFeO ₃ Cl; product of a burning coal dump and hence not a mineral	f
UM1993-//Cl:AgHg	Mineral. Record 24, 203		No formula or other data	b
UM1993-//E:AgAuBiTe	Can. Mineral. 31, 613		Inadequate data	b
UM1993-//E:AsPdTe	Can. Mineral. 31, 613		Inadequate data	b
UM1993-//E:BiPdTe	Can. Mineral. 31, 613		Inadequate data	b
UM1993-//E:HgPd	Explor. Mining Geol. 2, 105		A Pd-Hg alloy with no data	b
UM1993-//E:IrOsReRu	Explor. Mining Geol. 2, 105		Re>Ir>Os>Ru; no data; perhaps impure rhenium	b,c
UM1993-//OH:BaAlS	Mineral. Petrol. 47, 255	Am. Mineral. 78, 1317	Ba ₂ Al ₂ S ₃ (OH) ₈ •8H ₂ O; has formed on a slag and hence is not a mineral.	f
UM1993-//S:AsPtRh	Can. Mineral. 31, 613		Mineral "UK1"; probably platarsite	c
UM1993-//S:AsSbTI	*Ann. Geol. Penins. Balk. 57, 301	Am. Mineral. 81, 1286	Tl ₅ Sb ₁₀ As ₃ S ₂₂ ; later described under the name jankovcicite: Mineral. Petrol. 53 (1995), 125	a
UM1993-//S:AsTI	Mineral. Record 24, 203		Tl ₃ AsS ₄ ; same as UM1988-//S:AsTI; later described under the name fangite: Am. Mineral. 78 (1993), 1096	a
UM1993-//S:BaCuFe	Explor. Mining Geol. 2, 105		Probably a barium sulphide but no data	b
UM1993-//S:BiCuFePdTe	Can. Mineral. 31, 613		Mineral "UK2"; inadequate data—probable contamination	d,b
UM1993-//S:BiPbSe[1]	*Zap. Vser. Mineral. Ob. 122 (3), 1	Am. Mineral. 80, 632.	Pb ₂ Bi ₂ (S,Se) ₃ ; later described under the name babkinite: Dokl. Akad. Nauk 346 (1996), 656	a
UM1993-//S:BiPbSe[2]	*Zap. Vser. Mineral. Ob. 122 (3), 1	Am. Mineral. 80, 632.	(Bi,Pb) ₃ (S,Se) ₄ ; not compositionally distinct from wittite	c
UM1993-//S:BiTe	Can. Mineral. 31, 471		~Bi ₄ Te ₂ S; not compositionally distinct from joséite-B	c
UM1993-//S:CdIn	*Geol. Rudn. Mest. 35, 547	Am. Mineral. 80, 1330	CdIn ₂ S ₄ ; later described under the name cadmoindite: Zap. Vser. Mineral. Ob. 133 (4) (2004), 21; transferred from Valid list	b
UM1993-//S:CuFeMoRe	Eur. J. Mineral. 5, 1227	Am. Mineral. 79, 390	(Cu,Fe)(Re,Mo) ₄ S ₈ ; same as UM1982-//S:CuMoRe	c
UM1993-//S:IrOsRu	Mineral. Petrol. 47, 263	Am. Mineral. 79, 390	(Ru,Os,Ir) ₄ S ₅ ; inadequate data	b
UM1993-//S:Re	Explor. Mining Geol. 2, 105		A rhenium sulphide with no data	b
UM1993-//SO:AlHPb	Mineral. Record 24, 203		No data but X-ray powder diffraction pattern resembles that of alunite	b,c
UM1993-//SO:Ba	Mineral. Petrol. 47, 255	Am. Mineral. 78, 1317	BaSO ₃ ; has formed on a slag and hence is not a mineral	f
UM1993-//SO:BaF	Mineral. Petrol. 47, 255	Am. Mineral. 78, 1317	Ba ₂ S ₂ O ₃ F ₂ ; has formed on a slag and hence is not a mineral	f
UM1993-//SO:BaH	Mineral. Petrol. 47, 255	Am. Mineral. 78, 1317	BaS ₂ O ₃ •H ₂ O; has formed on a slag and hence is not a mineral	f
UM1993-//Sb:BiNiPdTe	Explor. Mining Geol. 2, 105		Pd ₃ Ni(Sb,Te,Bi) ₅ ; no data	b
UM1993-//SiO:AlBaH	Can. Mineral. 31, 687		BaAl ₂ Si ₆ O ₁₆ •5H ₂ O; later named brewsterite-Ba: Can. Mineral. 35 (1997), 1571	a
UM1993-//SiO:AlCaCeFeHLa[1]	Can. Mineral. 31, 159	Can. Mineral. 40, 1411	Ca(Ce,La)Fe ²⁺ Fe ³⁺ Al(Si ₂ O ₇)(SiO ₄)O(OH); equivalent to ferriallanite-(Ce) in the IMA-approved nomenclature for epidote-group	a
UM1993-//SiO:AlCaCeFeHLa[2]	Can. Mineral. 31, 159	Can. Mineral. 40, 1411	Ca(La,Ce)Fe ²⁺ Fe ³⁺ Al(Si ₂ O ₇)(SiO ₄)O(OH); equivalent to ferriallanite-(La) in the IMA-approved nomenclature for epidote-group	a
UM1993-//Te:Ag	Can. Mineral. 31, 471		Ag ₂ Te; not compositionally distinct from hessite	c
UM1993-//Te:AgPd[1]	Dokl. Akad. Nauk 329, 497		Pd ₃ AgTe ₄ ; not distinct from Ag-bearing kotulskite	c
UM1993-//Te:AgPd[2]	Dokl. Akad. Nauk 329, 497		Approximately (Pd,Ag) ₅ Te ₃ but not compositionally distinct from UM1991-25-Te:AgPd	c
UM1993-//Te:BiNiPd	Can. Mineral. 31, 613		Mineral "UK3"; probably Pd-bearing melonite	c
UM1993-//Te:NiPdSb[1]	Explor. Mining Geol. 2, 105		(Pd,Ni) ₂ (Te,Sb) ₃ ; inadequate data; probably the same as UM2004-48-Te:NiPdSb	b,c
UM1993-//Te:NiPdSb[2]	Explor. Mining Geol. 2, 105		(Ni,Pd) ₃ (Te,Sb) ₄ ; inadequate data	b
UM1993-//Te:NiPdSb[3]	Explor. Mining Geol. 2, 105		(Ni,Pd) ₂ (Te,Sb) ₃ ; inadequate data	b
UM1994-//AsOCO:CuZn	Lapis 19 (7-8), 41	Lapis 32 (6), 58	"U130"; an arsenate/carbonate; only qualitative data	b
UM1994-//BO:CaH	Cryst. Reports 39, 905	Am. Mineral. 80, 1331	CaB ₃ O ₄ (OH) ₃ ; later described under the name jarandolite: New Data on Minerals 39 (2004), 26	a

UM1994-/-Cl:HKMgNO	Neues Jb. Mineral. Mh. (1994), 97	Am. Mineral. 79, 1213	K ₂ (NH ₄)Mg ₃ Cl ₉ •18H ₂ O; anthropogenic and not definitely distinct from carnallite	f,c
UM1994-/-F:OREE	C. R. Acad. Sci. Paris, Ser. II, 318, 1333	Am. Mineral. 80, 187	(La,Ce)F ₂ 7 ₂ O _{0.13} ; probably fluorocrite	c
UM1994-/-O:FePdPt	Econ. Geol. 89,1454	Am. Mineral. 80, 847	(Pt,Fe,Ir)O; not distinguishable from UM1990-27-O:Pt	c
UM1994-/-S:AgAsSbTe	Econ. Geol. 89, 602	Am. Mineral. 80, 186	Ag ₉ (Sb,As)Te ₂ S ₄ ; probably benleonardite	c
UM1994-/-S:AgFe	Econ. Geol. 89, 602	Am. Mineral. 80, 186	AgFeS ₂ ; indistinguishable from lenaite: Zap. Vser. Mineral. Ob. 124 (1995) (5) , 85	c
UM1994-/-S:AuBi	Bull. Mineral.-petrogr. Odd. NM v Praze 2, 89	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986-/-S:AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127.	a
UM1994-/-S:BiPbPt	Can. Mineral. 32, 703		Not distinct from crerarite	c
UM1994-/-S:CuFeGeMo	*Geol. Rudn. Mest. 36, 370	Am. Mineral. 80, 632	Cu ₂₀ (Fe,Cu,Zn) ₆ Mo ₂ Ge ₆ S ₃₂ ; later described under the name maikainite: Dokl. Earth Sci. 393A, (2003), 1329	a
UM1994-/-S:CuFeGeWZn	*Geol. Rudn. Mest. 36, 370	Am. Mineral. 80, 632	Cu ₂₀ (Fe,Cu,Zn) ₆ W ₂ Ge ₆ S ₃₂ ; later described under the name ovamboite: Dokl. Earth Sci. 393A, (2003), 1329	a
UM1994-/-S:CuFeInZn	*Geol. Rudn. Mest. 36 (3), 230	Am. Mineral. 80, 407	Same as UM1980-/-S:CuFeInZn (=sakuraiite)	c
UM1994-/-S:CuFeIrNiRh	*Zap. Vser. Mineral. Ob. 123 (2), 41	Am. Mineral. 80, 1330	(Rh,Ir,Fe,Ni,Cu) _{1-x} S; indistinguishable from UM1981-15-S:CuFeIrNiRh	c
UM1994-/-S:Re	Nature 369, 51	Am. Mineral. 80, 406	ReS₂; later described under the name rheniite: Zap. Ross. Mineral. Ob. 134 (5), (2005), 32; transferred from Valid list	a
UM1994-/-Sb:CuNi	*Dokl. Akad. Nauk 335, 709	Am. Mineral. 80, 1076	CuNiSb ₂ ; later described under the name zlatogorite: Vest. Moscow Univ. Geol. Ser. 4 (1995) (5), 57	a
UM1994-/-SiO:AlBaCaFFeHKMgNaTi	Mineral. Zhurn. 16 (2), 67	Am. Mineral. 81, 1516	(Ba,K,Na,Ca) ₂ (Mg,Fe,Ti) ₆ Si ₄ Al ₄ O ₂₀ (OH,F) ₄ ; not distinct from K-bearing kinoshitalite	c
UM1994-/-SiO:HKNaNbTi	Eur. J. Mineral. 6, 503	Am. Mineral. 80, 633	(K,Na) ₂ (Nb,Ti) ₂ Si ₄ O ₁₂ (O,OH) ₂ •1.6H ₂ O; later described under the name vuoriyarvite: Dokl. Akad. Nauk 358 (1998), 517	a
UM1994-/-SiO:MgHPb	Mineral Wealth 91, 33	Am. Mineral. 81, 520	Pb₃Mg₂Si₂O₈(OH)₂•3.5H₂O; same as UM1988-/-SiO:MgHPb	c
UM1994-/-Te:Bi	*Geol. Surv. Finland Bull. 377, 1	Can. Min. 45, 665	Bi ₂ Te; presumably the same as UM1980-16-Te:Bi	c
UM1995-/-Cl:HKMgNO	Neues Jb. Mineral. Mh. (1995), 351	Am. Mineral. 81, 770	(K,NH ₄)MgCl ₃ •6H ₂ O; anthropogenic and therefore not a mineral; see also UM1994-/-Cl:HKMgNO	f
UM1995-/-CO:CaHREEU	J. Russell Soc. 6 (1), 17		Ca-REE-UO ₂ carbonate hydrate; inadequate data	b
UM1995-/-CO:PbU	J. Russell Soc. 6 (1), 17		Basic Pb-UO ₂ carbonate; inadequate data	b
UM1995-/-E:AuPdPt	S. Afr. J. Geol. 98 (2), 168	Am. Mineral. 81, 1016	(Pt,Au) _{0.66} Pd _{0.34} ; transferred to Valid list	c
UM1995-/-E:CuSn	Moscow Univ. Geol. Bull. 50 (6), 65	Am. Mineral. 82, 821	Cu₆Sn₅; apparently the same as UM1965-06-E:CuSn. Formerly coded as UM1995-04-E:CuSn	c
UM1995-/-E:PtPt	S. Afr. J. Geol. 98 (2), 168	Am. Mineral. 81, 1016	Pt _{0.84} Pd _{0.16} ; may be simply a substituted platinum	c
UM1995-/-E:PtRhRu	Chronique de la recherche Minière No. 520, 3	Mineral. Mag. 68, 389	PtRuRh alloy; no data	b
UM1995-/-O:AuH	*Dokl. Akad. Nauk 344, 525	Am. Mineral. 81, 1286	AuO(OH); probably the same as UM1995-15-O:AuClH	c
UM1995-/-O:CrMgV	Zap. Vser. Mineral. Ob. 124 (4), 91	Am. Mineral. 81, 1283	Mg(Cr,V) ₄ O ₉ ; inadequate data	b
UM1995-/-O:FeIrPtRh	Chronique de la recherche Minière No. 520, 3	Mineral. Mag. 68, 389	Pt-Ir-Fe-Rh oxide; no data	b
UM1995-/-O:FeMnNbTaW	Kristallografiya 40, 469	Zap. Vser. Mineral. Ob. 125 (6), 88	(Mn,Fe) ₃ (Nb,Ta,Mn) ₅ (W,Ta) ₂ O ₂₀ ; later described under the name koragoite: Dokl. Akad. Nauk 353 (1997), 516	a
UM1995-/-O:FeMnRu	Chronique de la recherche Minière No. 520, 3	Mineral. Mag. 68, 389	Ru-Mn-Fe oxide; no data; probably same as UM1994-13-O:FeMnRu	b,c
UM1995-/-O:FePt	Chronique de la recherche Minière No. 520, 3	Mineral. Mag. 68, 389	Pt-Fe oxide; no data	b
UM1995-/-PO:AlCdFH	Mineral. Record 26, 449	Am. Mineral. 81, 519	(Cd,Cu)AlPO ₄ (F,OH); "unknown #2"; later described under the name goldquarryite: Mineral. Record 34 (2003), 237	a
UM1995-/-PO:AlCuFFeHV	Mineral. Record 26, 449	Am. Mineral. 81, 519	Cu(Al,V,Fe)₅(PO₄)₄(F,OH)₅•7H₂O; designated "unknown #1"; later described under the name nevadaite: Can. Mineral. 42 (2004), 741	a
UM1995-/-S:AgCuFePbSb	*Resource Geol. 45, 323	Am. Mineral. 81, 1515	Pb _{2.12} (Sb,Bi) _{1.69} (Cu,Ag) _{0.33} Fe _{2.5} S ₅ ; composition close to lillianite	c
UM1995-/-S:BiPbTe	*Zap. Vser. Mineral. Ob. 124 (6), 24	Am. Mineral. 81, 1285	Pb ₂ Bi ₂ Te ₂ S ₃ ; later named saddlebackite: Austral. J. Mineral. 3 (1997), 119	a
UM1995-/-S:ClPbSb	Eur. J. Mineral. 7, 1007	Zap. Vser. Mineral. Ob. 125 (6), 88	Pb _{12.65} Sb _{11.35} S _{28.35} Cl _{2.65} ; data are from synthetic material; probably the same compound as UM1980-18-S:ClPbSb	c
UM1995-/-S:CuFeIrNiRh	Can. Mineral. 33, 509	Am. Mineral. 81, 518	(Ni,Fe,Cu) ₂ (Ir,Rh) ₃ S ₃ ; not distinct from UM1990-38-S:CuFeIrNiPtRh	c
UM1995-/-S:CuIrPtRh	Can. Mineral. 33, 509	Am. Mineral. 81, 518	(Pt _{0.72} Rh _{0.43} Ir _{0.12} Pd _{0.01})Cu _{0.64} S _{3.06} ; very low analytical total; probably not distinct from UM1981-17-S:CuIrPtRh	b,c
UM1995-/-S:CuMoRe	Mineral. Petrol. 52, 257	Am. Mineral. 80,1076	Cu(Re,Mo,Os) ₅ S ₉ ; not distinguishable from UM1982-/-S:CuMoRe	c
UM1995-/-S:Rh	Chronique de la recherche Minière No. 520, 3	Mineral. Mag. 68, 389	RhS; no data	b
UM1995-/-SiO:AlBaFeHKMgMn	Am. Mineral. 80, 833		(Ba,K) _{1-x} (Fe,Mg,Mn,Al) ₃ (Si,Al) ₄ O ₁₀ (F,OH) ₂ ; later described under the name ferrokinoshitalite: Can. Mineral. 37 (1999), 1445	a
UM1995-/-SiO:AlCrHK	*C. R. Acad. Sci. Paris, ser. Ila, 321, 1127	Am. Mineral. 81, 1016	K ₂ Cr ₄ Al ₂ Si ₆ O ₂₀ (OH) ₄ ; later described under the name chromphyllite: Zap. Vser. Mineral. Ob. 126 (1997) (2), 110	a

UM1995--/SiO:BeCaKLiNaTi	*Cryst. Reports 40, 228	Am. Mineral. 80, 1332	K ₂ (Na,Li) ₄ Ca ₃ Ti ₂ Be ₄ Si ₁₂ O ₃₈ ; later described under the name odintsovite: Zap. Vser. Mineral. Ob. 124 (1995) (5), 92	a
UM1995--/Te:AgPbPdSbSn	Zap. Vser. Mineral. Ob. 124 (5), 1	Am. Mineral. 81, 1016	(Pd,Ag) ₂ (Te,Pb,Sb,Sn); probably the same as UM1993-28-Te:AgPdSn	c
UM1996--/As:NiPd	Mineral. Mag. 60, 973		Pd ₃ Ni ₂ As ₃ ; later described under the name menshikovite: Mineral. Mag. 64 (2000), 847	a
UM1996--/As:Pd	Geol. Surv. Finland Sp. Paper 26, 63		Pd ₅ As ₂ ; same as UM1975-05-As:Pd and similar to stillwaterite	c
UM1996--/As:PdRh	Explor. Mining Geol. 5, 73		(Rh,Pd,Pt) ₂ As (Table B.31); probably Pt,Pd-bearing rhodarsenide	c
UM1996--/As:PdSbTe	Mineral. Mag. 60, 672		Pd ₈ (As,Sb,Te) ₃ ; probably arsenopalladinite	c
UM1996--/As:PtTe	Geol. Surv. Finland Sp. Paper 26, 63	Can. Mineral. 42, 563	Pd₁₁Te₂As₂; later described under the name törnroosite: Can. Mineral. 49 (2011), 1643; transferred from Valid list.	a
UM1996--/E:CuPd	Geol. Surv. Finland Sp. Paper 26, 63		Pd ₃ Cu; same as UM1992-09-E:CuFePt	c
UM1996--/E:FeNiPt	Neues Jb. Mineral. Mh. (1996), 145	Am. Mineral. 82, 209	Pt(Ni,Fe) ₃ ; not distinct from UM1986-12-E:CuFeNiPt	c
UM1996--/O:FePt	Explor. Mining Geol. 5, 73		~(Pt,Fe) ₃ O ₂ ; apparently the same as UM1994-16-O:FePt	c
UM1996--/O:IrRh	Explor. Mining Geol. 5, 73		(Rh,Ir)-oxide; inadequate data	b
UM1996--/OH:AlCl[1]	Aufschluss 47, 41	Am. Mineral. 82, 623	Al ₂ Cl(OH) ₅ ·2H ₂ O; from a burning coal dump; not a mineral; same as lesukite	f
UM1996--/OH:AlCl[2]	Aufschluss 47, 41	Am. Mineral. 82, 623	Al ₅ Cl ₃ (OH) ₁₂ ·7.5H ₂ O; from a burning coal dump—hence not a mineral	f
UM1996--/PO:BiCaCu	Austral. J. Mineral. 2, 47		Cu-Bi-Ca phosphate; later named bleasdaleite: Austral. J. Mineral. 5 (1999), 69	a
UM1996--/PO:CaCeFHNr	*Kristallografiya 41, 831	Am. Mineral. 82, 821	Ca _{3.2} (Sr,Na,Ce) _{1.8} (PO ₄) ₃ F; later described under the name fluorcaphite: Zap. Vser. Mineral. Ob. 126 (1997) (3), 87	a
UM1996--/PO:HU	*Dokl. Akad. Nauk 349, 361	Am. Mineral. 82, 821	U ₆ (PO ₄) ₇ (OH) ₃ ·4H ₂ O; subsequently given the unapproved name urphoite: Dokl. Earth Sci. 358 (1998), 23	a
UM1996--/S:AgBiPb	Can. Mineral. 34, 1323		Ag _{6.5} Pb ₇ Bi _{14.5} S ₃₂ ; probably treasurerite with Pb<-->(Ag _{0.5} Bi _{0.5}) substitution	c
UM1996--/S:AsPb	Mineral. Record 27, 47		Inadequate data; might be the As-analogue of robinsonite	b,c
UM1996--/S:CuFeGe	Can. Mineral. 34, 1305		Cu₇(Ge,Fe,As)₁₂; later described under the name calvertite: Can. Mineral. 45 (2007), 1519. Formerly coded as UM1996-31-S:CuFeGe	a
UM1996--/S:CuFeIrNiRh[1]	Mineral. Petrol. 56, 25	Am. Mineral. 81, 1515	(Ir,Rh)(Ni,Fe,Cu) ₂ S ₃ ; not distinguishable from UM1974-11-S:CuFeIrNi	c
UM1996--/S:CuFeIrNiRh[2]	Mineral. Petrol. 56, 25	Am. Mineral. 81, 1515	(Ir,Rh)(Fe,Ni,Cu) ₂ S ₃ ; not distinguishable from UM1995-29-S:CuFeIrNiRh	c
UM1996--/S:CuFeMoRe	Mineral. Mag. 60, 973		(Cu,Fe)(Re,Mo) ₄ S ₈ ; same as UM1982--/S:CuMoRe	c
UM1996--/S:CuPd	Explor. Mining Geol. 5, 73		Pd ₇ Cu ₃ S ₄ ; same mineral as UM1990-41-S:CuPd	c
UM1996--/S:FeZn	Meteoritics Planet. Sci. 31, 647		(Fe,Zn)₅S; later described under the name rudashevskiyite: Am. Mineral. 93 (2008), 902	a
UM1996--/S:PdRh	Explor. Mining Geol. 5, 73		(Rh,Pd) ₁₈ S ₁₅ ; probably Pd-bearing miassite	c
UM1996--/SO:CCaGeH	Acta Mineral.-Petrogr., Szeged 37, Suppl. (1996), 76		Ca ₂ Ge(OH) ₆ (SO ₄ ,CO ₃) ₂ ·12H ₂ O; later described under the name carraraite: Am. Mineral. 86 (2000), 1293	a
UM1996--/Sb:AsPd	Geol. Surv. Finland Sp. Paper 26, 63		Pd ₁₁ Sb ₃ As; not distinguishable from mertieite-I	c
UM1996--/SbO:CaFHNa	Mineral. J. 18, 155	Am. Mineral. 82, 1264	(Na_{1.00}Ca_{0.80}Mn_{0.01})Sb_{2.00}(O_{5.69}F_{0.89}(OH)_{0.36}); subsequently named fluoratromoméite: Can. Mineral. 48 (2010), 673	a
UM1996--/SiO:AlCaHNa	Austral. J. Mineral. 2, 11		Qualitative composition; later identified as mesolite	c
UM1996--/SiO:AlFeK	Am. Mineral. 81, 229		Identical to UM1993-25-SiO:AlFeK	c
UM1996--/SiO:CaNaTiZr	Can. Mineral. 34, 779	Am. Mineral. 82, 433	Incomplete data for inhomogeneous inclusions; perhaps multiple phases	b,d
UM1996--/SiO:HKNaNbTi	*Dokl. Akad. Nauk 351, 207	Am. Mineral. 83, 188	KNaK(Ti,Nb) ₂ (Si ₄ O ₁₂)(O,OH) ₂ ·2H ₂ O; later described under the name lemmleinite-K: Zap. Vser. Mineral. Ob. 128 (1999) (5), 54	a
UM1996--/SiO:HMnNaTi	Kristallografiya 41, 257	Am. Mineral. 81, 1516	Na ₆ MnTiSi ₁₀ (O,OH) ₂₈ ·4H ₂ O; later described under the name intersilite: Zap. Vser. Mineral. Ob. 125 (1996) (4), 79	a
UM1996--/Sn:PdSb	Mineral. Mag. 60, 973		Pd ₂ (Sn _{0.5} Sb _{0.5}); apparently the same as UM1976-27-Sn:PdSb	c
UM1996--/Te:AgAuS	*Acta Petrol. Mineral. 15, 80	Am. Mineral. 82, 209	(Ag,Au) ₂ Te ₄ ; mineral designated "M2" appears to be sylvanite and/or krennerite	c
UM1996--/Te:BiPbS	Rept. Res. Inst. Nat. Resources, Akita Univ. No. 61, 1	Am. Mineral. 82, 821	(Bi,Pb) ₃ (Te,S) ₄ ; not compositionally distinct from UM1976-30-Te:BiPbS	c
UM1996--/TeO:CuFeHMgZn	Can. Mineral. 34, 49		Cu(Mg,Cu,Fe,Zn) ₂ TeO ₆ ·6H ₂ O; designated UKCE-10 and later described under the name leisingite: Mineral. Mag. 60 (1996), 653	a
UM1997--/As:FeIrNiPdPtRh	Can. Mineral. 35, 611	Am. Mineral. 83, 402	(Rh,Ir,Pt,Pd)(Ni,Fe)As; not distinct from UM1983-03-As:NiRh	c
UM1997--/As:FeIrNiS	J. Petrol. 38, 1419		(Fe,Ni,Cu)Ir _{1.66} As _{0.45} ; inadequate data - very low total	b
UM1997--/As:IrNi	J. Petrol. 38, 1419		(Ni,Ir) ₅ As ₂ ; similarities to orcelite; generalised and inadequate data	b
UM1997--/As:IrOsTe	Zap. Vser. Mineral. Ob. 126 (6), 23		(Ir,Os)(As,Te); the same minerals as UM1997-03-As:IrOsTe	c
UM1997--/As:NiRh	J. Petrol. 38, 1419		NiRhAs; same as UM1983-03-As:NiRh	c
UM1997--/As:PdRh[1]	Can. Mineral. 35, 1	Am. Mineral. 82, 1263	(Pd,Rh) ₂ As; later described under the name palladodymite: Zap. Vser. Mineral. Ob. 128 (1999) (2), 39	a
UM1997--/As:PdRh[2]	Can. Mineral. 35, 1	Am. Mineral. 82, 1263	(Rh,Pd,Pt) ₂ As; Later described under the name rhoarsenide: Zap. Vser. Mineral. Ob. 128 (1999) (2), 60	a

UM1997-//AsO:CaCuH	J. Czech Geol. Soc. 42 (4), 77		An arsenate with a distinct X-ray powder diffraction pattern; later described under the name ondrúšite, $\text{CaCu}_4(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2 \cdot 10\text{H}_2\text{O}$; Can. Mineral. 49, 885; transferred from Valid list	a
UM1997-//AsO:CaH	J. Czech Geol. Soc. 42 (4), 77	Am. Mineral. 84, 687	$\text{Ca}(\text{H}_2\text{AsO}_4)_2$; later named svenekite; J. Czech Geol. Soc. 48 (1997), 149. Formerly coded as UM1997-07-AsO:CaH	a
UM1997-//AsO:CuH	J. Czech Geol. Soc. 42 (4), 77		An arsenate with a distinct X-ray powder diffraction pattern; later named slavkovite; Can. Mineral. 48 (2010), 1157	a
UM1997-//AsO:HMO	J. Czech Geol. Soc. 42 (4), 77	Am. Mineral. 84, 687	$\text{MoAs}_2\text{O}_9 \cdot 3\text{H}_2\text{O}$; later named vajdakite; Am. Mineral. 87 (2002), 983; formerly coded as UM1997-17-AsO:HMO	a
UM1997-//AsO:HNIU	J. Czech Geol. Soc. 42 (4), 77		$\text{Ni}(\text{UO}_2)_2(\text{AsO}_4)_2 \cdot 6\text{-}8\text{H}_2\text{O}$; later described under the name metarauchite; Can. Mineral. 48 (2010), 335; transferred from Valid list	a
UM1997-//C:W	*Dokl. Akad. Nauk 353, 354	Am. Mineral. 83, 189	WC - tungsten carbide; same as UM1986-08-C:W	c
UM1997-//CO:NaU	J. Czech Geol. Soc. 42 (4), 77		$\text{Na}_4(\text{UO}_2)(\text{CO}_3)_3$; later described under the name cejkaite; Am. Mineral. 88 (2003), 686	a
UM1997-//Cl:FeHOPb	Eur. J. Mineral. 9, 43		$\text{Pb}_2\text{Fe}^{3+}\text{Cl}_3(\text{OH})_4 \cdot \text{H}_2\text{O}$; an alteration product of anthropogenic material, hence not a mineral	f
UM1997-//E:CuFePt	Zap. Vser. Mineral. Ob. 126 (6), 23		The same mineral as UM1986-15-E:CuFePt	c
UM1997-//E:CuPtSb	Can. Mineral. 35, 1	Am. Mineral. 82, 1263	$\text{Pt}_3(\text{Sb,Cu})$; not distinguishable from UM1992-12-E:IrPtSb	c
UM1997-//E:FeIrNi	J. Petrol. 38, 1419		$\text{Ir}(\text{Ni,Fe})_{1.5-5}$; wide-ranging data	b
UM1997-//E:FePt	J. Petrol. 38, 1419		$(\text{Ir,Pt,Os})_8\text{Fe}$; probably a substituted native iridium	c
UM1997-//E:IrOsPtRhRu[1]	Can. Mineral. 35, 1	Am. Mineral. 82, 1263	(Ru,Pt,Ir,Rh,Os); indistinguishable from UM1978-05-E:IrOsPtRu	c
UM1997-//E:IrOsPtRhRu[2]	Can. Mineral. 35, 1	Am. Mineral. 82, 1263	(Ir,Ru,Os,Rh,Pt); indistinguishable from UM1977-06-E:IrOsPtRu	c
UM1997-//F:KMgNa	Mineral. Mag. 61, 779	Am. Mineral. 83, 910	A Na-bearing variety of UM1960-02-F:KMg?	b,c
UM1997-//O:CaNbREETHtIU	Am. Mineral. 82, 1241		Inadequate data	b
UM1997-//O:FeHgRu	Can. Mineral. 35, 1	Am. Mineral. 82, 1263	RuO_2 ; Hg may be an amalgamation contaminant making the mineral suspect	f
UM1997-//O:FeIrOsRu	Can. Mineral. 35, 1431	Am. Mineral. 84, 197	$(\text{Ru,Os,Ir,Fe})_2\text{O}_2 \cdot 3$; very similar to UM1997-34-O:FeIrOsRu	c
UM1997-//O:FeREESITIZr	*Acta Mineral. Sinica 17 (3), 270	Am. Mineral. 83, 910	$(\text{Ti}_{0.86}\text{Zr}_{0.73}\text{Si}_{0.19}\text{Fe}_{0.11} \dots \dots)_4\text{O}_4$; zirconolite/mathiasite mixture?	d,b
UM1997-//O:HU	J. Czech Geol. Soc. 42 (4), 77		X-ray powder diffraction pattern distinctive; identified later under the name heisenbergite; Neues Jh. Mineral. Abh. 189 (2) (2012), 117; transferred from Valid list	a
UM1997-//OH:AlCuF	*Dokl. Akad. Nauk 353, 354	Am. Mineral. 83, 188	$\text{Cu}_4\text{Al}_3(\text{OH})_{14}\text{F}_3 \cdot 2\text{H}_2\text{O}$; later described under the name khaidarkanite; Zap. Vser. Mineral. Ob. 128 (1999) (3), 58	a
UM1997-//PO:AsBiHU	*J. Czech Geol. Soc. 42 (4), 77	Can. Mineral. 42, 963	A P-dominant analogue of walpurgite; later described under the name phosphowalpurgite; Can. Mineral. 42 (2004), 963	a
UM1997-//PO:BiHU	J. Czech Geol. Soc. 42 (4), 77		$\text{Bi}_4(\text{UO}_2)(\text{PO}_4)_2\text{O}_4 \cdot 2\text{H}_2\text{O}$; later named phosphowalpurgite; Can. Mineral. 42 (2004), 963; formerly coded as UM1997-37-PO:BiHU	a
UM1997-//S:AgBiPbSb	Mineral. Mag. 61, 387	Am. Mineral. 83, 188	$(\text{Pb}_2.94\text{Ag}_{0.06})(\text{Bi}_{1.43}\text{Sb}_{0.50}\text{Ag}_{0.18})(\text{S}_{5.98}\text{Se}_{0.01}\text{Te}_{0.01})$; very close to lilliantite composition	c
UM1997-//S:AsIrNi	J. Petrol. 38, 1419		$(\text{Ir,Ni})_2\text{AsS}_2$; inadequate data - very low total	b
UM1997-//S:AsIrOsTe[1]	Eur. J. Mineral. 9, 457	Am. Mineral. 82, 1263	$(\text{Ir,Os})(\text{S,As,Te})_2$; indistinguishable from UM1973-20-S:IrOs	c
UM1997-//S:AsIrOsTe[2]	Zap. Vser. Mineral. Ob. 126 (6), 23		$(\text{Ir,Os})(\text{S,As,Te})_2$; same mineral as UM1997-//S:AsIrOsTe[1]	c
UM1997-//S:AsNiRu	J. Petrol. 38, 1419		$(\text{Ni,Ru})_2\text{AsS}$; inadequate data - very high total	b
UM1997-//S:BiPbTe	Austral. J. Mineral. 3, 119	Am. Mineral. 83, 1119	$\text{PbBi}_4\text{Te}_4\text{S}_3$; same as UM1976-30-Te:BiPbS; formerly coded as UM1997-39-S:BiPbTe	c
UM1997-//S:CuFeIrNiOsRhRu	J. Petrol. 38, 1419		Generalised and inadequate data	b
UM1997-//S:FeNb	Can. Mineral. 35, 875	Am. Mineral. 83, 1119	Later described under the name edgarite; Contr. Mineral. Petrol. 138 (2000), 229	a
UM1997-//S:IrRh	J. Petrol. 38, 1419		$(\text{Ir,Rh})\text{S}_2$; Appears to be the same as UM1974-13-S:IrRh	c
UM1997-//SO:CuHU	J. Czech Geol. Soc. 42 (4), 77		A uranyl sulphate later equated with pseudojohannite; Am. Mineral. 91 (2006), 929. Formerly coded as UM1997-45-SO:CuHU	a
UM1997-//Se:BiPt	Dokl. Akad. Nauk 354 (1), 82	Dokl. Earth Sci. 354, 486	PtBiSe; no data	b
UM1997-//Se:CoCuPtS	Dokl. Akad. Nauk 354 (1), 82	Dokl. Earth Sci. 354, 486	PtCoCu(Se,S); no data	b
UM1997-//SiO:AlCaH	Am. Mineral. 82, 1241		$\text{Ca}_{0.8}\text{Al}_{0.2}\text{SiO}_n(\text{OH})_m(\text{H}_2\text{O})_x$; no data	b
UM1997-//SiO:AlCaHNa[1]	Am. Mineral. 82, 1241		$\text{Na}_2\text{CaAl}_4\text{Si}_4\text{O}_{16} \cdot n\text{H}_2\text{O}$; no data; perhaps gonnardite	b,c
UM1997-//SiO:AlCaHNa[2]	Am. Mineral. 82, 1241		$\text{Na}_2\text{Ca}_4\text{Si}_4\text{O}_{15}(\text{OH})_4$; no data; perhaps pectolite	b,c
UM1977-//SiO:CaHThU	Am. Mineral. 82, 1241		$\text{Ca}_{3.5}(\text{Th,U})_{1.5}(\text{SiO}_4)_3(\text{OH})$; no data; perhaps "calciobriholite"	b,c
UM1977-//SiO:CaREE	Am. Mineral. 82, 1241		LREE, Ca-silicate; no data; perhaps stillwellite	b
UM1997-//SiO:HNbTl	Dokl. Akad. Nauk 357, 364	Am. Mineral. 84, 195	$\text{Na}(\text{Ti,Nb})\text{Si}_2\text{O}_6(\text{O,OH}) \cdot 2\text{H}_2\text{O}$; Ti-analogue of nenadkevichite; later named korobitsynite; Zap. Vser. Mineral. Ob. 128 (1999) (3), 72	a
UM1997-//Te:AsIrOs[1]	Eur. J. Mineral. 9, 457	Am. Mineral. 82, 1263	$(\text{Ir,Os})(\text{Te,As,Se})_2$; appears to be the same as shuangfengite	c
UM1997-//Te:AsIrOs[2]	Zap. Vser. Mineral. Ob. 126 (6), 23		$(\text{Ir,Os})(\text{Te,As,Se})_2$; the same mineral as UM1997-//Te:AsIrOs[1]	c
UM1997-//Te:AsIrOs[3]	Zap. Vser. Mineral. Ob. 126 (6), 23		$(\text{Ir,Os})(\text{Te,As})$; equivalent to UM1997-54-Te:AsIrOs	c
UM1997-//VO:FeHMnPb	Can. Mineral. 35, 1027	Am. Mineral. 83, 652	$\text{Pb}_2(\text{Fe}^{3+}, \text{Mn}^{3+})(\text{VO}_4)_2(\text{OH})$; the Fe^{3+} -analogue of brackebuschite; later described under the name calderonite; Am. Mineral. 88 (2003), 1703	a

UM1998--//AsOSO:CuH	*Mitt. Öster. Mineral. Ges. 143, 325	Mineral. Abst. 50, 99M/2022	Cu ₁₀ (AsO ₄) ₄ (SO ₄)(OH) ₆ •8H ₂ O; subsequently described under the name leogangite: Mineral. Petrol. 81 (2004), 187	a
UM1998--//BOSiO:AlFeMg[1]	Can. Mineral. 36, 399		(Fe,Mg)Al ₃ [BO ₄][SiO ₄]O; the Fe-dominant analogue of grandidierite; later described under the name ominelilite: Am. Mineral. 87 (2002), 160	a
UM1998--//BOSiO:AlFeMg[2]	Can. Mineral. 36, 399	Am. Mineral. 84, 993	(Mg,Fe) ₂ Al ₁₂ (Al,Fe) ₂ Si ₄ B ₂ (B,Al) ₂ O ₃₇ ; originally thought to be the Fe-analogue of werdingite but further research showed that Fe is distributed between sites and not dominant at any; Eur. J. Mineral. 23, 577; transferred from Valid list	c
UM1998--//Cl:TI	Lithology & Mineral Resources 33, 525	Am. Mineral. 84, 993	TiCl; later described under the name lafossaite: Mineral. Record 37 (2006), 165; transferred from Valid list	a
UM1998--//CO:CaHREE	*Mem. Nat. Sci. Museum Tokyo 31, 49	Am. Mineral. 84, 1466	(Nd,La,Pr,Sm,Ca)CO ₃ (OH,H ₂ O); later described under the name kozoite-(Nd): Am. Mineral. 85 (2000), 1076	a
UM1998--//IOCrO:CaCIKTi	Am. Mineral. 83, 391		An undefined hydrated Ca-K-Ti-iodate-chromate-chloride; no data	b
UM1998--//O:CuPd	Austral. J. Mineral. 4, 33		(Cu,Pd)O; Inadequate data; possibly Pd-bearing tenorite	b,c
UM1998--//S:AgBiPb	*Dizhi Zhaokuang Luncong 13, 1	Am. Mineral. 85, 628	Pb ₃ Ag ₂ Bi ₂ S ₇ ; same mineral as UM1987-07-S:AgBiPb	c
UM1998--//S:AgCuFe	Mineralium Deposita 34, 35	Am. Mineral. 84, 1687	(Cu,Ag,Fe) ₆ S ₄ ; same mineral as UM1990-31-S:AgCuFe	c
UM1998--//S:CuFeNiRh	*Zap. Vses. Mineral. Ob. 127 (5), 37	Am. Mineral. 84, 1685	Rh ₂ (Fe,Ni,Cu) ₄ S ₇ ; formula only; no data	b
UM1998--//S:FeMgMnZn	Meteoritics Planet. Sci. 33, 501		(Fe,Zn,Mg,Mn)S; later described under the name rudashevskiyite: Am. Mineral. 93 (2008), 902	a
UM1998--//S:FeZn	Lunar Planet. Sci. 29, 1381		(Fe,Zn)S; later described under the name rudashevskiyite: Am. Mineral. 93 (2008), 902	a
UM1998--//SiO:BaFHNaTi	*Dokl. Akad. Nauk 361, 799	Am. Mineral. 84, 1198	Naz(Ba,K,Ca,Sr) ₂ Ti ₃ Si ₄ O ₁₄ (OH,O,F) ₂ ; later described under the name nabalamprophyllite: Zap. Vser. Mineral. Ob. 130 (2001) (1), 59	a
UM1998--//SiO:FeHKMgMnNaTi	Acta Cryst. B54, 109	Am. Mineral. 83, 1350	K ₂ Naz(Fe,Mn) ₄ Mg ₂ Ti ₂ Si ₈ O ₂₄ (OH) ₄ (OH,F) ₂ ; reported as a monoclinic dimorph of astrophyllite, but is just magnesium-astrophyllite	c
UM1998--//Se:HgPd	Mineral. Mag. 62, 257		Pd ₂ HgSe ₃ ; "uk1"; no analytical data; perhaps the Pd analogue of jacutingaite	b
UM1998--//Se:Pd	Mineral. Mag. 62, 257		PdSe ₂ ; "uk2"; no analytical data; later described under the name verbeekite: Mineral. Mag. 66 (2002), 173	a
UM1998--//Te:BiPd	Austral. J. Mineral. 4, 33		Pd ₂₀ (Te,Bi) ₇ ; inadequate data; perhaps the same as UM1974-27-Te:BiPd	b,c
UM1998--//Te:HgPd	Austral. J. Mineral. 4, 33		Pd ₈ (Te,Hg) ₃ ; inadequate data but possibly a Hg-bearing variety of UM1981-31-Te:BiPd	b,c
UM1999--//As:CuPd	Mineral. Mag. 63, 345	Am. Mineral. 85, 265	(Pd,Cu) ₁₃ As ₂ ; no data other than formula	b
UM1999--//As:NiPd	Mineral. Mag. 63, 345	Am. Mineral. 85, 265	Pd ₁₁ Ni ₁₂ As ₁₁ ; no data other than formula	b
UM1999--//As:NiRh[1]	Can. Mineral. 37, 1099		RhNiAs; same as UM1983--//As:NiRh	a,c
UM1999--//As:NiRh[2]	Can. Mineral. 37, 1131	Am. Mineral. 85, 1325	(Rh,Ni) ₇ As ₄ ; data do not allow distinction from Ni,Pt-bearing polkanovite	c
UM1999--//As:NiRh[3]	Can. Mineral. 37, 1131		(Rh,Ni) ₂ As; data do not allow distinction from Ni,Pt-bearing polkanovite	c
UM1999--//AsO:REE	Can. Mineral. 37, 961		(Y,Ce,Nd,Th,Ca)(As,P)O ₄ ; appears to be chernovite-(Y); formerly coded as UM1999-06-AsO:REE	c
UM1999--//AsS:CuPd	Mineral. Mag. 63, 345	Am. Mineral. 85, 265	(Pd,Cu) ₉ (AsS) ₂ ; no data other than formula	b
UM1999--//E:CrFe	Dokl. Earth Sci. 369, 1161		Fe ₇ Cr; appears not to be distinct from chromferide (Fe ₁₅ Cr ₂)	c
UM1999--//E:CrFeNi	Dokl. Earth Sci. 369, 1161		Fe ₇ Cr ₂ Ni; appears not to be distinct from UM1984-16-E:CrFeMnNi	c
UM1999--//E:CuFePt	Can. Mineral. 37, 1117		Identical to UM1992-09-E:CuFePt	c
UM1999--//E:CuPbPd	S. Afr. J. Geol. 102, 251		(Pd,Pb,Cu); variable data; possibly substituted native palladium	b,c
UM1999--//E:CuPdPt	Can. Mineral. 37, 1507		(Pd,Pt)Cu; formula only - not data	b
UM1999--//E:CuSn	Dokl. Earth Sci. 369, 1161		Cu ₃ Sn; appears to be the same as UM1965-07-E:CuSn	c
UM1999--//E:CuZn	Dokl. Earth Sci. 369, 1161		Cu ₃ Zn ₂ ; thin-film analysis; appears not to be distinct from unapproved mineral zinccopperite (Cu ₇ Zn ₄)	b,c
UM1999--//O:CuFeMgNiPdPtSSi	Eur. J. Mineral. 11, 363		Pt-Pt-Fe-Mg-Ni-Cu-S-Si-oxides; demonstrably inhomogeneous and probably mixtures	d
UM1999--//O:CuFeMnPdPtRu	S. Afr. J. Geol. 102, 251	Mineral. Mag. 68, 369	(Pt,Pd,Cu,Fe,Mn,Ru)O; not demonstrably homogeneous	d
UM1999--//O:FeIrOsPtRu	Can. Mineral. 37, 1131		(Ru,Ir,Os,Pt,Fe)O ₂ ; not distinct from UM1997--//O:FeIrOsRu	c
UM1999--//O:MnRhRu	S. Afr. J. Geol. 102, 251	Mineral. Mag. 68, 369	Likely a mixture of PGE metals and other oxides	d
UM1999--//O:Pt[1]	S. Afr. J. Geol. 102, 184		PtO; not distinct from UM1990-27-O:Pt	c
UM1999--//O:Pt[2]	S. Afr. J. Geol. 102, 184		PtO ₂ ; not distinct from UM1996-23-O:FePt	c
UM1999--//PO:AlCCaHY	Neues Jb. Mineral. Mh. (1999), 303		A "Ca-Y-Al-PO ₄ -CO ₃ -OH-H ₂ O mineral"; no data; later described under the name micheelsenite: Neues Jb. Mineral. Mh. (2001), 337	a,b
UM1999--//PO:FeHPb	Can. Mineral. 37, 1323		Inadequate data; compositionally the same as kintoreite but with doubled c dimension	b,c
UM1999--//PO:FeMgMn	Am. Mineral. 84, 1354		(Mg,Fe,Mn) ₃ (PO ₄) ₂ – not distinct from chopinite described later: Eur. J. Mineral. 19 (2007), 229	a
UM1999--//S:AsCuFePd	Mineral. Mag. 63, 345		(Pd,Fe,Cu) ₂₁ (AsSb) ₅ ; formula only - no data	b
UM1999--//S:AuBi	Chron. Rech. Minéral. 536-537, 79	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986--//S:AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM1999--//S:CuFeIrNi	Can. Mineral. 37, 1131		Ir(Ni,Fe,Cu) ₂ S ₃ ; not compositionally distinct from UM1974-11-S:CuFeIrNi	c

UM1999-//S:CuFeNiRh	Can. Mineral. 37, 1507		Rh(Ni,Fe,Cu) ₂ S ₃ ; formula only - no data	b
UM1999-//S:CuPtRh	S. Afr. J. Geol. 102, 251	Mineral. Mag. 68, 369	Close to Cu(Pt,Rh) ₂ S ₄ ; perhaps a Rh-bearing malanite	c
UM1999-//S:PbPd	Can. Mineral. 37, 1507		Inadequate data; later described under the name laflammeite: Can. Mineral. 40 (2002), 671	a,b
UM1999-//SO:HMg	*Zap. Vser. Mineral. Ob. 128 (4), 99	Am. Mineral. 85, 1564	MgSO ₄ •4H ₂ O; later named cranswickite: Am. Mineral. 96 (2011), 869; transferred from Valid list	a
UM1999-//Sb:AsPd	Mineral. Mag. 63, 345	Am. Mineral. 85, 265.	Pd ₃ (Sb,As); Close to mertieite, isomertieite and UM1986-02-As:PdSbSn	c
UM1999-//SeO:ClCuHPb	Can. Mineral. 37, 1493	Am. Mineral. 85, 1563	Pb ₄ (Cu,Zn)Cl ₃ [SeO ₃](OH,Cl); later described under the name sarrabusite: Acta Cryst. B68 (2012), 15; transferred from Valid list	a
UM1999-//Si:Fe	*Zap. Vser. Mineral. Ob. 128 (2), 39	Am. Mineral. 85, 876	FeSi ₂ ; not distinct from ferdisilicite	c
UM1999-//SiO:	Science 284, 1511	Am. Mineral. 85, 265.	SiO ₂ polymorph; later named seifertite: Eur. J. Min. 20 (2009), 523	a
UM1999-//SiO:AlCaFeMgMnKNaTi	Neues Jb. Mineral. Mh. (1999), 303		Not distinct from hydroastrophyllite on basis of analysis reported	c
UM1999-//SiO:BaFHNaTi	*Dokl. Akad. Nauk 368, 492	Am. Mineral. 85, 1846	(Na,Ba) ₅ Ti ₃ O ₂ (Si ₂ O ₇) ₂ (O,OH,F) ₃ ; later described under the name nabalamprophyllite: Zap. Vser. Mineral. Ob. 130 (2001) (1), 59	a
UM1999-//SiO:CaCeFeHNaSrZr	*Dokl. Akad. Nauk 368, 636	Am. Mineral. 85, 1846	Ca ₁₈ Zr ₉ Si ₇₆ Nb ₂ Fe ₇ Ca ₁₀ Na ₃₂ O ₂₁₆ (OH,Cl,O) ₁₅ •9H ₂ O; later described under the name feklischevite: Zap. Vser. Mineral. Ob. 130 (2001) (3), 55	a
UM1999-//SiO:CaClFeHMnNaREESrTiZr	*Z. Krist. 214, 271	Am. Mineral. 85, 265	A Ti-rich member of the eudialyte group; later described under the name dualite: Zap. Ross. Mineral. Ob. 136 (2007) (4), 31	a
UM1999-//SiO:CuFePdRh	S. Afr. J. Geol. 102, 251	Mineral. Mag. 68, 369	Inhomogeneous and probably a mixture	d
UM2000-//C:Cr	Can. Mineral. 38, 585		A chromium carbide; no data; perhaps tongbaite or UM1984-13-C:Cr	b
UM2000-//CO:HU	Rocks & Minerals 75, 240		A secondary U-mineral; designated "unknown number 2"; inadequate data; later described under the name olswaldpetersite: Can. Mineral. 39 (2001), 1685	a
UM2000-//E:CuFePdZn	Mineralium Deposita 35, 762	Mineral. Mag. 68, 615	Pd(Cu,Fe,Zn); indistinguishable from mineral described later as skaergaardite: Mineral. Mag. 68 (2004), 615	a
UM2000-//E:FeTi	Earth Planet. Sci. Lett. 177, 237		FeTi; inadequate data	b
UM2000-//O:BiCuFePdPtTe	Proc. 6th Internat. Cong. Appl. Mineral. (2000), 289	Mineral. Mag. 68, 369	(Pt,Fe,Pd,Cu,Te,Bi)-oxides or hydroxides; inadequate data; probably inhomogeneous	b,d
UM2000-//P:CrFeNi	Am. Mineral. 85, 1082		(Fe,Ni) ₄ Cr ₂ P ₃ ; evidently the same as andrejivanovite: Am. Mineral 93 (2008), 1295	c
UM2000-//PO:AlPbU	Le Regne Minéral 33, 5		A phosphate with undetermined amounts of Al, Pb and U. XRD pattern is similar to ICDD pattern no. 12-259 (synthetic parsonsite)	b,c
UM2000-//S:AsSbTI[1]	J. Czech Geol. Soc. 45, 63	Am. Mineral. 86, 941	Tl(Sb,As) ₇ S ₁₁ ; same as UM1982-10-S:AsSbTI	c
UM2000-//S:AsSbTI[2]	J. Czech Geol. Soc. 45, 63	Am. Mineral. 86, 941	Tl(Sb,As) ₁₀ S ₁₆ ; same as UM1970-20-S:AsSbTI	c
UM2000-//S:BiCuPb[1]	Eur. J. Mineral. 12, 899		CuPbBi ₇ S ₁₂ ; designated "phase 70"; same as UM1974-09-S:BiCuPb	c
UM2000-//S:BiCuPb[2]	Can. Mineral. 38, 611		Later described under the name salzburgite: Can. Mineral. 40 (2002), 239	a
UM2000-//S:CuFePdPtRh	Can. Mineral. 38, 1251		(Cu,Fe,Pd,Rh,Ru,Os) _{8.93} S _{8.07} ; not distinct from kharaelakhite	c
UM2000-//SO:CU	Rocks & Minerals 75, 240		Perhaps a U-sulphate, -carbonate or -sulphate-carbonate; designated "unknown number 1"; inadequate data	b
UM2000-//SiO:AINa	Science 287, 1633	Am. Mineral. 85, 1564	NaAlSi ₃ O ₈ ; a shock-induced albite polymorph; later described under the name lingunite: Earth Planet Sci. Lett. 246 (2006), 317	a
UM2000-//SiO:CaClFeHMnNaNbSrZr	*Cryst. Reports 45, 930	Am. Mineral. 86, 940	Zr ₃ (Ca,Mn) ₆ (Fe,Mn,Ti) ₃ (Na,Sr) ₁₅ Si ₂₄ O ₆₆ (Nb,Si) ₂ Cl(OH) ₁₀ •H ₂ O; later described under the name taseqite: Neues Jb. Mineral. Mh. (2004), 83	a
UM2000-//SiO:CaClFeHMnNaNbTiZr	*Dokl. Akad. Nauk, 371, 625	Am. Mineral. 86, 200	(Na,H ₃ O) ₁₅ (Ca,Mn,Ce) ₆ Fe ³⁺ ₂ Zr ₃ (□,Zr)(□,Si) ₂₄ O ₆₆ (O,OH) ₆ Cl ₂ •2-3H ₂ O; later described under the name ikranite: Zap. Vser. Mineral. Ob. 132 (2003) (5), 61	a
UM2000-//SiO:CaClFeHMnNaZr	Crystal. Repts. 45, 591	Crystal. Repts. 52, 47	Na ₁₅ (Na,Ca,REE) ₃ (Mn,Ca) ₃ Fe ₃ Zr ₃ Si ₂₆ O ₇₂ (OH,O) ₄ Cl•H ₂ O; later published under the name voronkovite: Zap. Vser. Mineral. Ob. 138 (2) (2009), 66	a
UM2000-//SiO:CaClFeHNaNbZr	*Dokl. Akad. Nauk, 370, 477	Am. Mineral. 85, 1846	Na ₁₅ Ca ₆ Fe ₃ Zr ₃ Nb ₂ Si ₂₅ O ₇₃ (O,OH,H ₂ O) ₃ Cl ₂ ; later described under the name ferrokentbrooksite: Can. Mineral. 41 (2003), 55	a
UM2000-//SiO:FeMg	*Joannea Mineral. 1, 53	Am. Mineral. 86, 1114	(Fe,Mg,Mn,Al,Zn) ₅ Si ₁₂ O ₃₀ ; later described under the name trattnerite: Eur. J. Mineral. 16 (2004), 375; transferred from Valid list	a
UM2000-//Te:AUtI	Neues Jb. Mineral. Mh. (2000), 557	Am. Mineral. 86, 941	Au ₃ TlTe ₂ ; appears to be identical to UM1993-29-Te:AUtI	c
UM2001-//C:FeMnSi	*Otechestvennaya Geol. (2001) (5), 32	Am. Mineral. 88, 933	(Mn,Fe) ₃ (C,Si); same as UM1989-03-C:FeMnSi	c
UM2001-//E:CuPt	Zap. Vser. Mineral. Ob. 130 (4), 61		(Pt,Au)(Cu,Sb) ₃ ; not distinct from UM1992-11-E:CuPtSb	c
UM2001-//E:FeMnSi	*Otechestvennaya Geol. (2001) (5), 32	Am. Mineral. 88, 933	Beta-manganese; same as UM1989-09-E:FeMnSi	c
UM2001-//O:Ti	Earth Planet. Sci. Lett. 192, 485		TiO ₂ ; not distinct from UM2000-41-O:Ti. Formerly coded as UM2001-11-O:Ti	c
UM2001-//O:Ti	Science 293, 1467	Am. Mineral. 87, 357	TiO ₂ ; a monoclinic polymorph of rutile; later given the name akaogite: Am. Mineral. 95 (2010), 892	a
UM2001-//S:As	Can. Mineral. 39, 809		As ₄ S ₄ ; appears to be identical to UM1970-19-S:As	c
UM2001-//S:AsCu	Geol. Kazakhstana (2001) (5/6), 75	Zap. Vser. Mineral. Ob. 133 (6), 45	Cu ₃ As ₄ S ₄ ; formula corresponds to that of enargite and arsenosulvanite	c
UM2001-//S:AsCuSbZn	Geol. Kazakhstana (2001) (5/6), 75	Zap. Vser. Mineral. Ob. 133 (6), 45	(Cu, Zn) ₃ (Sb,As) ₃ S ₃ ; probably a Zn- & As-bearing variety of skinnerite	c

UM2001--/S: AuBi	SEG Newsletter 44, 14	Can. Mineral. 44, 1127	AuBi ₅ S ₄ ; same as UM1986--/S: AuBi; later named jonassonite: Can. Mineral. 44 (2006), 1127	a
UM2001--/S: GePbSn	Eur. J. Mineral. 13, 791	Am. Mineral. 87, 357	(Pb,Sn)GeS ₃ ; product of spontaneous combustion of coal dump; not a mineral	f
UM2001--/S: GeSn	Eur. J. Mineral. 13, 791	Am. Mineral. 87, 357	SnGeS ₃ ; product of spontaneous combustion of coal dump; not a mineral	f
UM2001--/SeO: ClCuHPb	Neues Jb. Mineral. Abh. 177, 37		Pb ₄ CuCl ₃ (SeO ₃) ₃ (OH); appears to be same as UM1999-29-SeO: ClCuHPb	c
UM2001--/Si: Fe	*Dokl. Earth Sci. 378, 464	Am. Mineral. 87, 182	Fe ₂ Si; not distinct on the information available from the mineral later described under the name hapkeite: Proc. Nat. Acad. Sci. 101 (2004), 6847	a
UM2001--/SiO: AlCaClFeMgNa	Can. Mineral. 39, 639	Am. Mineral. 87, 183	Compositions fall within the fields of chloroferropargasite and chlorohastingsite	c
UM2001--/SiO: CaClFeHKNaZr	Cryst. Reports 46, 647		Na₂₇K₈Ca₁₂Fe₃Zr₆Si₅₂O₁₄₄(O,OH,H₂O)₆Cl₂; later described under the name rastsvetaveite: Zap. Ross. Mineral. Ob. 135 (2006) (1), 49	a
UM2001--/SiO: CaFeHKNaSrTiZr	*Cryst. Reports 46, 752	Am. Mineral. 87, 767	(Na,Sr,K) ₃₅ Ca ₁₂ Fe ₃ Zr ₆ Ti ₅ Si ₁₀ O ₁₄₄ (O,OH,H ₂ O) ₉ Cl ₃ ; later named labyrinthite: Zap. Ross. Mineral. Ob. 107 (2006) (2), 340	a
UM2001--/SiO: CaHKMnTi	Cryst. Reports 48, 569	Am. Mineral. 87, 183	K ₃ Ca(K,Ca,Ba,□)Mn ₂ Ti ₈ Si ₁₆ O ₄₈ (O,OH) ₈ •10H ₂ O; appears to be the same as gutkovaite-Mn: Zap. Vser. Mineral. Ob. 131 (2002) (2), 51	a
UM2001--/SiO: Zr	Geology 29, 371	Am. Mineral. 86, 1114	ZrSiO ₄ ; a high pressure dimorph of zircon subsequently described under the name reidite: Am. Mineral. 87 (2002), 562	a
UM2001--/Te: AgPd	Can. Mineral. 39, 639		Pd ₆ AgTe ₄ ; same as UM1991-25-Te: AgPd	c
UM2001--/Te: BiSe	Neues Jb. Mineral. Mh. (2001), 289	Am. Mineral. 87, 182	Bi ₂ (Te,Se); not distinct from UM1980-16-Te: Bi on the basis of available data	c
UM2001--/VO: FeHMnPbZn	*Dokl. Akad. Nauk 378, 204-207	Am. Mineral. 87, 183	(Pb,Zn) ₂ (Fe ³⁺ ,Mn ³⁺)[VO ₄] ₂ (OH); later described under the name calderonite: Am. Mineral. 88 (2003), 1703	a
UM2002--/Bi: PbPd	Can. Mineral. 40, 329		Pd(Bi,Pb); not distinct from polarite	c
UM2002--/BiSb: Pd	Can. Mineral. 40, 277		Pd ₂ BiSb; "Un7"; (Table 7, anal. 17 & 18); apparently the same as UM1985-01-Bi: PdSb; formerly coded as UM2002-01-BiSb: Pd	c
UM2002--/E: AgHg	Can. Mineral. 40, 225		Ag _{0.7-0.8} Hg _{0.2-0.3} ; probably not distinct from luanheite	c
UM2002--/E: CuFePt	Can. Mineral. 40, 329		Pt ₂ CuFe; not definitely distinct from tulameenite	c
UM2002--/O: AlCa	Meteor. Planet. Sci. 37, 1337		CaAl₂O₄; later described under the name dmitryivanovite: Am. Mineral. 94 (2009), 746	a
UM2002--/O: CaNaNbREETAiTTh	Can. Mineral. 40, 1609		(Na,Ca,REE,Th) ₂ (Nb,Ti,Ta) ₂ (O,OH) ₇ ; the Na-analogue of pyrochlore; later named "natropyrochlore": Can. Mineral. 48 (2010), 673	a
UM2002--/O: FeRu	9 th Internat. Platinum Symp. Ext. Abst., 153	Mineral. Mag. 68, 369	(Ru,Fe)-oxide; no data	b
UM2002--/O: HW	Austral. J. Mineral. 8 (2), 55	Am. Mineral. 89, 470	WO ₃ •0.5H ₂ O; later described under the name elsmoreite: Can. Mineral. 43 (2005), 1061	a
UM2002--/O: Pd	Can. Mineral. 40, 1451		~PdO; ("Table 9", anal. 5 & 6); not distinct from UM1995-17-O: CuPd	c
UM2002--/O: PdPt	Can. Mineral. 40, 419		An intimate mixture of several phases	d
UM2002--/OH: CuPt	Can. Mineral. 40, 419		Inadequate data	b
UM2002--/OS: CuFe	Geol. Rudn. Mest. 44, 385	Zap. Vser. Mineral. Ob. 133 (6), 45	Inadequate data; an oxysulphide of Cu-Fe	b
UM2002--/PO: Ca	Geochim. Cosmochim. Acta 66, 2439	Am. Mineral. 88, 478	Gamma-Ca ₃ (PO ₄) ₂ ; later described under the name tuite: Eur. J. Mineral. 15 (2003), 1001	a
UM2002--/PO: FeH	Mineralien-Welt 13 (6), 18	Eur. J. Mineral. 18, 793	Fe ₃ (PO ₄) ₂ (OH) ₃ •5H ₂ O; later named allanpringite: Eur. J. Mineral. 18 (2006), 793	a
UM2002--/S: AgBi	*Aufschluss 23, 279	Am. Mineral. 88, 1628	AgBiS ₂ ; cubic dimorph of matildite; previously named schapbachite	c
UM2002--/S: CuFe	Geol. Rudn. Mest. 44, 385	Zap. Vser. Mineral. Ob. 133 (6), 45	Inadequate data	b
UM2002--/S: CuFeIrNiPdPtRh	Can. Mineral. 40, 357		Very low total; probably equivalent to UM1990-38-S: CuFeIrNiPtRh	c
UM2002--/S: CuFeIrNiPt	Can. Mineral. 40, 395		(Fe,Cu,Ni)(Ir,Pt)S; inadequate data	b
UM2002--/S: CuFeK	*Geol. Ore Deposits 44, 385	Am. Mineral. 88, 934	KCu ¹⁺ ₁₉ Cu ²⁺ ₁₈ Fe ²⁺ ₁₀ S ₃₈ ; reported earlier as "Cu ₄ FeS ₄ "; same as UKI-1990-(S:CuFeK)	c
UM2002--/S: FeGaMgMnZn	Meteoritics Planet. Sci. 37, 577		(Fe,Zn,Ga,Mn,Mg)S; later described under the name rudashevskyite: Am. Mineral. 93 (2008), 902	a
UM2002--/S: FeIrNi	Can. Mineral. 40, 481		Inadequate data	b
UM2002--/S: FeMnZn	Meteor. Planet. Sci. 37, 577		(Fe,Zn,Mn)S; one of many reports of this mineral in the meteoritical and planetary sciences literature. Eventually named rudashevskyite: Am. Mineral. 93 (2008), 203	a
UM2002--/Sb: BiPd	Can. Mineral. 40, 277		"Un7" analyses 15 & 16; indistinguishable from UM1961-08-Sb: BiPd	c
UM2002--/Se: CuFe	Can. Mineral. 40, 225		(Fe _{0.84} Cu _{0.14})Se _{2.01} ; there appears to be no reason to consider this to be other than Cu-bearing ferroselite	c
UM2002--/Se: CuPd[1]	Can. Mineral. 40, 419		A mixture of several phases	d
UM2002--/Se: CuPd[2]	Can. Mineral. 40, 419	Am. Mineral. 88, 254	Cu ₂ Pd ₃ Se ₄ ; later named jagu�ite: Can. Mineral. 42 (2004), 1745	a
UM2002--/Se: HgPd	Mineral. Mag. 66, 173		Pd₂HgSe₃; no data; same as UM1998--/Se: HgPd	b,c
UM2002--/SiO: AlFeHMgMnTiZn	Geochem. Internat. 40, 1225	Am. Mineral. 88, 1629	Ca _{0.02} (Fe _{2.23} Mn _{1.06} Mg _{0.52} Zn _{0.17} Ti _{0.08})(Si _{5.94} Al _{0.06})O ₁₅ (OH) _{1.74} O _{0.26} •nH ₂ O; later approved as the Fe-dominant analogue of sepiolite (IMA 2010-061); transferred from the Valid list	a

UM2002--/SiO:AlFeHMgNa	Clay Minerals 34, 579	Am. Mineral. 88, 1628	(Na,K) _{0.42} (Fe ³⁺ ,Mg,Al,Fe ²⁺ ,Cr,Ni) _{2.17} Si ₄ O ₁₀ (OH) ₂ ; possibly nontronite, sepiolite or a mixture of clay mineral species	d
UM2002--/SiO:CaFeTi	Mineral. Petrol. 76, 1		Not distinguishable from schorlomite	c
UM2002--/SiO:FeHKNaNbTi	Cryst. Reports 47, 408	Am. Mineral. 89, 1829	NaK ₃ Fe(Ti,Nb) ₄ (Si ₄ O ₁₂) ₂ (O,OH) ₄ •6H ₂ O; Nb-rich analogue of labuntsovitte-Fe later described under the name neskevaaraitite-Fe: New Data on Minerals 38 (2003), 8	a
UM2002--/Te:BiPdSb[1]	Can. Mineral. 40, 277		Pd(Te,Sb,Bi); "Un1"; indistinguishable from UM1974-19-Te:BiNiPdSb	c
UM2002--/Te:BiPdSb[2]	Can. Mineral. 40, 277		"Un5"; indistinguishable from testibiopalladite	c
UM2002--/Te:NiPdSb	Can. Mineral. 40, 277		"Un2"; indistinguishable from hexatestibiopanickelite	c
UM2002--/Te:PdSb	Can. Mineral. 40, 277		"Un4"; indistinguishable from borovskite	c
UM2003--/As:NiPd	Geol. Ore Deposits 45, 329		Pd ₃ Ni ₂ As ₃ ; Table 5, No. 4; not distinct from menshikovite	c
UM2003--/As:PdSb[1]	Geol. Ore Deposits 45, 329		Pd ₂ (As,Sb); Table 5, No. 7; probably palladoarsenide or UM1974-01-As:PdSb	c
UM2003--/As:PdSb[2]	Geol. Ore Deposits 45, 329		"Pd ₅ (As,Sb) ₂ "; Table 5, No. 10; not distinct from palladoarsenide	c
UM2003--/AsO:AlCaClCuHNa	Mineral. Record 34 (4), 315		"Unknown #1"; inadequate data; later described under the names barahonaite-(Al) and barahonaite-(Fe): Can. Mineral. 46 (2008), 205	b,a
UM2003--/AsO:FeNiPt	Geol. Ore Deposits 45, 329		(Ni,Pt,Cu)-As-O; Table 5, No. 24; inadequate data; no charge balance	b
UM2003--/AsO:FePd	Geol. Ore Deposits 45, 329		(Pd,Fe)-As-O; Table 5, Nos. 22-23; inadequate data; no charge balance	b
UM2003--/E:CuPd	Geol. Ore Deposits 45, 329		Cu ₃ Pd; Table 6, No. 3; not distinct from nielsenite (named later).	a
UM2003--/E:CuPt[1]	Geol. Ore Deposits 45, 329		CuPt; Table 6, No. 4; not distinct from hongshiite	c
UM2003--/E:CuPt[2]	Geol. Ore Deposits 45, 329		Cu ₃ Pt; Table 6, No. 5; appears to be the same as UM1992-11-E:CuPtSb	c
UM2003--/E:CuFeNiPdPt	Geol. Ore Deposits 45, 329		Cu, Fe, Ni, Pd, & Pt alloys of very variable composition; Table 6, Nos. 6-9	b
UM2003--/E:FeNiPt	Neues Jb. Mineral. Abh. 179, 143		~Pt ₂ (Fe,Ni); not distinct from UM1996-13-E:FePt	c
UM2003--/E:PtTi	Geol. Ore Deposits 45, 329		Pd ₃ Ti; Figure 4; no data reported; perhaps the same as UM1982--/E:PtTi	b,c
UM2003--/O:CrFe	Geochim. Cosmochim. Acta 67, 3937	Am. Mineral. 89, 897	FeCr ₂ O ₄ ; a high-pressure, high-temperature polymorph of chromite; later described under the name xieite: Chinese Science Bulletin 53 (2008), 3341	a
UM2003--/O:FeHfOsRu	Can. Mineral. 41, 597		(Ru,Os,Fe,Ir) ₂₋₃ (O) ₁₋₂ •nH ₂ O; inadequate data; several compounds and H ₂ O likely present.	b,d
UM2003--/O:Pd	Mineral. Mag. 67, 453		Pd-oxides of very variable composition and perhaps in part equivalent to UM1995-17-O:CuPd	b,c
UM2003--/OC:MnH	Erzgräber 17, 9		Mn ₂ O ₄ •2H ₂ O; later described under the name lindbergite: Am. Mineral. 89 (2004), 1087	a
UM2003--/S:AgFeTe	Eur. J. Mineral. 15, 147		Ag ₉ FeTe ₂ S ₄ ; later described under the name chenguodaite: Chinese Science Bulletin 53 (2008), 1	a
UM2003--/S:As	Eur. J. Mineral. 15, 283	Zap. Vser. Mineral. Ob. 133 (6), 45	As ₄ S ₄ ; probably the same as UM1970-18-S:As	c
UM2003--/S:CuFeIrNiRh[1]	Can. Mineral. 41, 597		(Ir,Rh)(Ni,Cu,Fe) ₂ S ₄ ; not distinct from UM1974-11-S:CuFeIrNi or perhaps UM1999-25-S:CuIrNiRh	c
UM2003--/S:CuFeIrNiRh[2]	Can. Mineral. 41, 597		(Ir,Rh)(Fe,Ni,Cu) ₂ S ₃ ; not distinct from UM1995-29-S:CuFeIrNiRh	c
UM2003--/S:FeZn	Lunar Planet. Sci. 34, 1211		(Fe,Zn) ₂ S; later described under the name rudashevskiyite: Am. Mineral. 93 (2008), 902	a
UM2003--/S:PbPdSe	Geol. Ore Deposits 45, 329		~Pd ₃ Pb ₂ S ₂ ; Table 4, Nos. 3-7; described later under the name of laflammitite	a
UM2003--/SiO:AlCaClFeHHfKMnNaSrTiZr	Cryst. Reports 48, Suppl. 1, S69	Cryst. Reports 52, 47	Designated "hydrated eudialyte-II"; reported data inadequate for subsequent recognition elsewhere	b
UM2003--/SiO:AlCsFLi	Am. Mineral. 88, 1832		CsLi ₂ AlSi ₄ O ₁₀ (F,OH) ₂ ; Cs-analogue of polyolithionite; later described under the name sokolovaitite: New Data on Minerals 41 (2006), 5. Formerly coded as UM2003-29-SiO:AlCsFLi	a
UM2003--/SiO:BaCaCeClFeHHfKMnNaNbSrTi	Cryst. Reports 48, Suppl. 1, S69	Cryst. Reports 52, 47	Designated "Mineral 1408" - eudialyte group member; reported data inadequate for subsequent recognition elsewhere	b
UM2003--/SiO:BaCaHKNaNbSrTi	Dokl. Akad. Nauk 393, 784	Am. Mineral. 89, 1829	[Sr _{0.9} K _{0.8} Na _{0.4} Ca _{0.4} Ba _{0.3}](H ₂ O) _{0.8} Sr _{0.4}][Ti _{5.6} Nb _{2.4} (OH,OH) ₈ (Si ₄ O ₁₂) ₄]+8.3H ₂ O; later named tsepinite-Sr: New Data on Minerals 40 (2005), 11.	a
UM2003--/SiO:CaCeClFeHMnNaSrTiZr	Cryst. Reports 48, Suppl. 1, S69	Cryst. Reports 52, 47	Designated "hydrated eudialyte-I"; reported data inadequate for subsequent recognition elsewhere	b
UM2003--/SiO:CaFHKMnNa	*Dokl. Chem. 391, 177	Am. Mineral. 89, 470	Ca _{4.5} Mn _{0.45} Fe _{0.05} Na ₃ K ₃ Si ₁₂ O ₃₀ F _{2.8} (OH) _{1.2} H ₂ O; later described under the name fluorcanasite: Zap. Ross. Mineral. Ob. 138 (2) (2009), 52	a
UM2003--/Te:AsPd	Geol. Ore Deposits 45, 329		Pd ₃ (Te,As); Table 5, No. 16; appears to be the same as UM1991-26-Te:AsPd	c
UM2003--/Te:Pd	Geol. Ore Deposits 45, 329		Pd ₅ Te ₂ ; Figure 4; No data reported; probably same as UM2007-43-Te:Pd	b,c
UM2004--/As:IrSsb	Geol. Geofiz. 45, 1128		IrAs(Sb,S); not distinct from UM1991-01-As:IrSb	c
UM2004--/As:NiRh	Can. Mineral. 42, 563		RhNiAs; same as UM1983--/As:NiRh	a,c
UM2004--/As:PdTe	Mineral. Petrol. 82, 137		Pd ₃ (As,Te); appears to be Te-bearing vincentite	c
UM2004--/As:Te:Pd	Mineral. Petrol. 82, 137		Pd ₈ (As,Te); appears to be same as UM1992-09-E:CuFePt	c
UM2004--/AsO:CaCoHMg	Z. Krist. (NCS) 219, 341		Ca ₂ (Co,Mg)[AsO ₄] ₂ •2H ₂ O; appears to be the same as roselite-β	c
UM2004--/AsO:CoFeHNiPb	Lapis (2004) (2), 18		Pb(Ni,Co,Fe) ₂ [AsO ₄] ₂ (H ₂ O,OH) ₂ ; may be the Nd-analogue of tsumcorite; no data	b

UM2004--/AsO:HU	Erzgräber 18, 24	Am. Mineral. 90, 1232	(UO ₂)H(AsO ₃)·H ₂ O; apparently the same as UM1958-05-AsO:HU; mineral "D"; formerly coded as UM2004-003-AsO:HU	c
UM2004--/E:AgAuCuZn	Dokl. Earth Sci. 395A, 448		(Cu,Au,Ag) ₄ Zn; same as UM2003-03-E:AgAuCuZn	c
UM2004--/E:AuCu	Mineral. Mag. 68, 615		Au ₃ Cu; inadequate data and perhaps same as UM1991-06-E:AuCu	b,c
UM2004--/E:AuCuPd[1]	Mineral. Mag. 68, 615		PdAuCu ₂ ; inadequate data	b
UM2004--/E:AuCuPd[2]	Mineral. Mag. 68, 615		(Cu,Pd,Au); inadequate data	b
UM2004--/E:CuFePdPt	Mineral. Mag. 68, 615		(Pt,Cu,Fe,Pd); inadequate data	b
UM2004--/E:CuPdPt[1]	Mineral. Mag. 68, 615		PdCu ₃ ; apparently the same as nielsenite: Can. Mineral. 46 (2008), 709	b
UM2004--/E:CuPdPt[2]	Mineral. Mag. 68, 615		(Pt,Pd)Cu ₃ ; inadequate data	b
UM2004--/E:CuPdPt[3]	Can. Mineral. 42, 499		(Pd,Pt)Cu; no data; probably same as UM1975--/E:CuFePdPt & UM1999--/E:CuPdPt	b,c
UM2004--/E:CuPdPt[4]	Dokl. Earth Sci. 396 (4), 508		(Pd,Pt)Cu ₃ ; Table 1, anal. 17. Apparently equivalent to nielsenite: Can. Mineral. 46 (2008), 709	c
UM2004--/E:CuPdSn	Mineral. Mag. 68, 615		(Pd,Cu,Sn); inadequate data	b
UM2004--/O:BiH	Can. Mineral. 42, 601		Bi ₂ O ₃ ·3H ₂ O; appears to be identical to UM1943-02-OH:Bi	c
UM2004--/O:CeHNdSmW	Lapis (2004) (2), 18		(Nd,Ce,Sm)W ₂ O ₆ (OH) ₃ ; may be the Nd-analogue of yttritungstite; no data	b
UM2004--/O:CrFeIrOsPtRhRu	Mineral. Mag. 68, 369		An amorphous alteration product not necessarily of fixed composition	b,d
UM2004--/O:IrOsRu	Mineral. Mag. 68, 369		(Os,Ir,Ru)O; inadequate data	b
UM2004--/PO:BeCaFeHMg	Dokl. Chem. 398, 191		Ca ₂ Be ₄ (Fe,Mg) ₅ (PO ₄) ₆ (OH) ₄ ·6H ₂ O; later described under the name atencioite: New Data on Minerals 41 (2006), 18; formerly coded as UM2004-30-PO:BeCaFeHMg	a
UM2004--/PO:FeHK	Der Erzgräber 18, 17	Am. Mineral. 90, 1228	KFe ³⁺ ₃ H ₈ (PO ₄) ₆ ·6H ₂ O; later name gegenbachite: Aufschluss 58 (2007), 125	a
UM2004--/S:AgSbTe	Zap. Vser. Mineral. Ob. 133 (3), 45		Ag ₁₈ Sb ₂ Te ₃ S ₉ ; no data	b
UM2004--/S:AgSnTe	Zap. Vser. Mineral. Ob. 133 (3), 45		Ag ₈ SnTe ₂ S ₄ ; no data	b
UM2004--/S:BiTe	Austral. J. Mineral. 10, 7		Bi ₁₀ Te ₂ S ₅ ; appears to be the same as UM1962--/S:BiTe	b
UM2004--/S:CoCuNiPt	Can. Mineral. 42, 455		Cu ₂ (Ni,Co)Pt ₃ S ₈ ; not compositional distinct from UM1981-17-S:CuIrPtRh	c
UM2004--/S:CuFeGeZn	Can. Mineral. 42, 1757		Cu ₈ Fe ₂ ZnGe ₂ S ₁₂ ; no data	b
UM2004--/S:CuFeIrNiPtRuRh	Geol. Geofiz. 45, 1128		(Fe,Ni,Cu) _{1.64} (Rh,Pt,Ru,Ir) _{1.34} S ₃ ; perhaps not distinct from UM2002-19-S:CuFeIrNiPtRh	c
UM2004--/S:CuFeNiRh	Can. Mineral. 42, 499		Rh(Ni,Fe,Cu) ₂ S ₃ ; no data; same as UM1999--/S:CuFeNiRh	b,c
UM2004--/S:CuNiPtRh	Can. Mineral. 42, 455		(Pt,Rh,Ir) ₃ (Ni,Co,Fe)Cu ₂ S ₈ ; not distinct from UM1981-17-S:CuIrPtRh and perhaps related to malanite	c
UM2004--/S:FeMnZn	Mineral. Mag. 68, 787		(Fe,Zn,Mn)S; cf. UM1972--/S:FeMnS; later described under the name rudashevskiyite: Am. Mineral. 93 (2008), 902	a
UM2004--/S:FeNiRh	Can. Mineral. 42, 563		(Fe,Ni,Rh)S; indistinguishable from UM2002-19-S:CuFeIrNiPtRh	c
UM2004--/S:NiPdPt	Can. Mineral. 42, 423		(Pd,Ni,Pt)S; Table 3, anal. #6; probably vysotskite	c
UM2004--/S:PbSe	Zap. Vser. Mineral. Ob. 133 (3), 45		Pb(S,Se); no data; perhaps Se-bearing galena	b,c
UM2004--/S:PtPdPt	Can. Mineral. 42, 423		(Pt,Pd)S; Table 3, anal. #5 & #7; presumably cooperite or braggite	c
UM2004--/S:PtRh[1]	Ann. Naturhist. Mus. Wien 105A, 1		(Rh,Pt) ₅ S ₄ ; appears to be a Pt-bearing variety of UM1995-32-S:Rh	c
UM2004--/S:PtRh[2]	Ann. Naturhist. Mus. Wien 105A, 1		(Rh,Pt) ₃ S ₄ ; appears to be kingstonite; same as UM1983--/S:IrPtRh	c
UM2004--/Sb:CuPd	Dokl. Earth Sci. 396 (4), 508		Pd ₂ CuSb; anal. 9-11, Table 1; appears to be the same as UM1961-09-Sb:CuPd	c
UM2004--/Se:Bi	Zap. Vser. Mineral. Ob. 133 (3), 45		Bi ₃ Se ₂ ; no data	b
UM2004--/Se:BiTe	Zap. Vser. Mineral. Ob. 133 (3), 45		Bi ₃ SeTe; no data; cf. UM1983-29-Te:BiSSe	b,c
UM2004--/SiO:AlHNaSr	Dokl. Earth Sci. 395 (2), 260		Na _{0.50} Sr _{0.25} Al ₂ (Na _{0.25} □ _{0.75})[Al _{1.25} Si _{2.75} O ₁₀](OH) ₂ ; a Sr-bearing brammallite	c
UM2004--/SiO:CaFHNbSTi	Can. Mineral. 42, 769		Inadequate data; "UK61a" possibly a highly disordered polymorph of hainhaullite: (Na,Ca) ₅ Ca(Ti,Nb) ₅ (Si,S) ₁₂ O ₃₄ (OH,F) ₈ ·5H ₂ O	b,c
UM2004--/Te:AgSSe	Zap. Vser. Mineral. Ob. 133 (3), 45		Ag ₂ (Te,Se,S); perhaps Se- and S-bearing hessite	c
UM2004--/Te:AuBiFePd	Can. Mineral. 42, 261		FeAuBiPd ₄ Te ₃ ; no data	b
UM2004--/Te:AuBiSb	Zap. Vser. Mineral. Ob. 133 (3), 45		Au ₅ Sb ₂ Bi ₂ Te ₁₃ ; no data	b
UM2004--/Te:AuSb[1]	Zap. Vser. Mineral. Ob. 133 (3), 45		AuSbTe; no data	b
UM2004--/Te:AuSb[2]	Zap. Vser. Mineral. Ob. 133 (3), 45		Au ₅ SbTe; no data	b
UM2004--/Te:BiPdPt	Can. Mineral. 42, 423		(Pd,Pt)(Te,Bi) _{1.92} ; Table 3, anal. #8; probably merenskyite	c
UM2004--/Te:BiPt	Can. Mineral. 42, 423		Pt(Te,Bi) ₂ ; Table 3, anal. #9; probably moncheite	c
UM2004--/TeAs:Pd	Can. Mineral. 42, 563		Pd ₁₁ Te ₂ As ₂ ; appears to be the same as UM1996-02-As:PdTe	c
UM2005--/As:NiRh	Can. Mineral. 43, 1711		RhNiAs; same as UM1983--/As:NiRh	a,c
UM2005--/As:PdTe	Can. Mineral. 43, 1711		Pd ₁₁ Te ₂ As ₂ ; same as UM1996-02-As:PdTe	c
UM2005--/As:Pt	Can. Mineral. 43, 637	Am. Mineral. 90, 1947	(Pt,Ir) ₂ As ₃ ; identical in every respect to UM1991--/As:IrPt	c
UM2005--/Bi:Pd	Can. Mineral. 43, 637	Am. Mineral. 90, 1947	Pd ₅ Bi ₂ ; appears to be the same as UM1961-03-Bi:Pd	c
UM2005--/Bi:PdPtSb	Can. Mineral. 43, 637	Am. Mineral. 90, 1947	(Pt,Pd)(Bi,Sb); apparently a compositional variant of UM1974-02-Bi:AsPdPtSb	c
UM2005--/Bi:Pt	Can. Mineral. 43, 637	Am. Mineral. 90, 1947	PtBi; apparently a compositional variant of UM1974-02-Bi:AsPdPtSb	c
UM2005--/Cl:BrHgl	Mineral. Record 36, 337		Hg-I-(Cl,Br); "CCUK-12" inadequate data	c
UM2005--/Cl:BrHglN	Mineral. Record 36, 337		Hg-N-I-(Cl,Br); "CCUK-10" inadequate data	b
UM2005--/Cl:BrHglO	Mineral. Record 36, 337		Hg ¹⁺ ₁₀ Hg ²⁺ ₃ O ₆ l ₂ (Cl,Br) ₂ ; "CCUK-15"; inadequate data	b

UM2005-/-Cl:CdHN	Eur. J. Mineral. 17, 107		NH ₄ CdCl ₃ ; inadequate data	b
UM2005-/-Cl:PbTI	Eur. J. Mineral. 17, 107		Pb ₂ TlCl ₅ ; later named hephaistosite: <i>Can. Mineral.</i> 46 (2008), 701	a
UM2005-/-Cl:BrPbTI	Eur. J. Mineral. 17, 107		PbTl ₃ (Cl,I,Br) ₅ ; inadequate data	b
UM2005-/-E:AuCuPd	Can. Mineral. 43, 1711		Cu ₂ PdAu; same as UM2004-08-E:AuCuPd	c,b
UM2005-/-E:CuPbPdPt	<i>Can. Mineral.</i> 43, 1663		(Pd,Pt) ₄ (Pb,Cu); appears to be Cu-rich zvyaginysevite	c
UM2005-/-E:CuPdTe	Can. Mineral. 43, 1711		Pd(Cu,Te); same as UM2004-09-E:CuPdTe	c,b
UM2005-/-E:CuZn	Can. Mineral. 43, 1663		(Zn,Cu); inadequate data; possibly an artifact; see also UM1981-/-E:CuZn[1,2]	b,f
UM2005-/-E:FePd	Can. Mineral. 43, 1711		Pd ₂ Fe; no data	b
UM2005-/-I:BrClHhGInO	Mineral. Record 36, 337		Hg ²⁺ 2N(I,Cl,Br)·H ₂ O; "CCUK-18"; inadequate data; perhaps an I-analogue of mosessite	b
UM2005-/-I:TI	Eur. J. Mineral. 17, 107		TII (thallium iodide); inadequate data	b
UM2005-/-O:AsHPdSbTe	Mineral. Mag. 69, 981		~(Pd,Sb,As,Te)O·nH ₂ O; probably same as UM1999-18-OH:Pd	c
UM2005-/-O:AsPdSbTe	Mineral. Mag. 69, 981		~(Pd,Sb,As,Te) ₂ O; variable composition; probably same as UM2003-12-O:Pd	c
UM2005-/-O:BaFe	<i>Eur. J. Mineral.</i> 17, 623		BaFe ₃ +12O ₁₉ ; later described under the name barioferrite; <i>Zapiski Ross. Mineral. Ob.</i> 139 (2010) No. 3, 22; transferred from Valid list	a
UM2005-/-O:CaFeSiTi	Eur. J. Mineral. 17, 623		Fe-oxide?; incomplete analysis (#8) with very low total	b
UM2005-/-O:CuFeNiPt	Can. Mineral. 43, 1711		~(Pt,Fe,Cu,Ni) ₄ O; may be inhomogeneous mixture of more than one phase or same as UM1994-17-O:FePt	d,c
UM2005-/-O:CuFeNiPtSi	Can. Mineral. 43, 1711		~(Pt,Fe,Cu,Si,Ni) ₇ O; may be inhomogeneous mixture of more than one phase	d
UM2005-/-O:CuFePt	Can. Mineral. 43, 637	<i>Am. Mineral.</i> 90, 1947	(Pt,Cu,Fe) ₂ O ₃ ; likely a compositional variant of UM1996-22-O:FePt	c
UM2005-/-O:CuFePtSi	Can. Mineral. 43, 1711		~Pt ₂ (Fe,Cu,Si) ₃ O ₄ ; may be inhomogeneous mixture of more than one phase	d
UM2005-/-O:FePd	Mineral. Mag. 69, 981		~(Pd,Fe)O; variable composition; probably same as UM1995-17-O:CuPd	c
UM2005-/-O:FePt[1]	Can. Mineral. 43, 1711		~(Pt,Fe) ₃ O; may be inhomogeneous mixture of more than one phase	d
UM2005-/-O:FePt[2]	Can. Mineral. 43, 637	<i>Am. Mineral.</i> 90, 1947	(Pt,Fe)O ₂ ; appears to be the same as UM1996-23-O:FePt	c
UM2005-/-O:FePtSi[1]	Can. Mineral. 43, 1711		~(Pt,Fe,Si) ₂ O; may be inhomogeneous mixture of more than one phase or perhaps the same as UM1994-15-O:FePt	d,c
UM2005-/-O:FePtSi[2]	Can. Mineral. 43, 1711		~(Pt,Fe,Si)O; may be inhomogeneous mixture of more than one phase or may perhaps be same as UM1994-13-O:FeIrPtRh	d,c
UM2005-/-O:FeRhRu	Can. Mineral. 43, 1711		(Ru,Rh,Fe) ₃ O ₂ ; very inhomogeneous and may be a mixture	d
UM2005-/-O:PbPd	Can. Mineral. 43, 1663		Pd ₇ PbO ₈ ; same mineral as UM1999-16-O:PbPd	c
UM2005-/-O:PbV	Can. Mineral. 43, 1663		Pb ₄ O(VO ₄) ₂ ; same as UM1999-17-O:PbV	c
UM2005-/-O:PdPtSi	Can. Mineral. 43, 1711		~(Pt,Si,Pd) ₁₁ O ₂ ; may be inhomogeneous mixture of more than one phase	d
UM2005-/-O:Ru	Can. Mineral. 43, 1711		RuO ₂ ; probably same as UM1997-33-O:FeHglrOsRu	c
UM2005-/-O:Ti	<i>Am. Mineral.</i> 90, 1458		TiO ₂ ; orthorhombic; appears to be same as UM2000-41-O:Ti	b
UM2005-/-OH:Mn	<i>Am. Mineral.</i> 90, 718		"Vernadite-like mineral"; inadequate data	b
UM2005-/-PO:	* <i>Mineral. Zhurn.</i> 27 (2), 112	<i>Am. Mineral.</i> 91, 1206	A phosphate of unknown composition	b
UM2005-/-S:AsBiPbCl	Eur. J. Mineral. 17, 107		Pb ₃ (As,Bi) ₃ S ₇ Cl; inadequate data	b
UM2005-/-S:AuPd	Can. Mineral. 43, 637	<i>Am. Mineral.</i> 90, 1947	Pd-Au-bearing sulphide; no analytical data	b
UM2005-/-S:BiBrClPb	Eur. J. Mineral. 17, 107		BiS(Cl,I,Br); inadequate data	b
UM2005-/-S:BiCdPbSe[1]	Eur. J. Mineral. 17, 107		Cd ₄ PbBi ₁₂ (S,Se) ₂₃ ; a sulphosalt; inadequate data	b
UM2005-/-S:BiCdPbSe[2]	Eur. J. Mineral. 17, 107		CdPb ₄ Bi ₆ (S,Se) ₁₄ ; a sulphosalt; inadequate data	b
UM2005-/-S:BiCuPb	Can. Mineral. 43, 899		CuPbBi ₄ S ₈ ; not distinct from salzburgite	c
UM2005-/-S:CrHHgO	Mineral. Record 36, 337		Hg ²⁺ -CrO ₄ -S-H ₂ O; "CCUK-8"; inadequate data	b
UM2005-/-S:CuFeIrNiPbPt	Can. Mineral. 43, 1663		(Cu,Ni,Fe) ₃ +x(Fe,Pb)(Rh,Pd,Ir) ₈ -xS ₁₆ ; same as UM2004-41-S:CuFeIrNiPbPt	c
UM2005-/-S:CuFeIrNiPtRh	Can. Mineral. 43, 1663		Rh _{1-x} (Ni,Fe,Cu) ₂ +xS ₃ ; appears to be same as UM2002-18-S:CuFeIrNiPtRh	c
UM2005-/-S:CuPbPt	Can. Mineral. 43, 637	<i>Am. Mineral.</i> 90, 1947	Cu ₃ Pb(Pt,Ir,Rh) ₈ S ₁₆ ; a compositional variant of UM2004-36-S:CuFeIrPbPt	c
UM2005-/-S:FeNiRh	Can. Mineral. 43, 1711		(Rh,Fe,Ni) ₉ S ₈ ?; inadequate data; probably miassite	c,b
UM2005-/-S:IrPtRh	Can. Mineral. 43, 1687		(Ir,Rh,Pt) ₃ ; probably same as UM1974-12-S:IrNiRh	c
UM2005-/-SO:Al	<i>Am. Mineral.</i> 90, 1729		Mineral "UP"; Al-S-O; inadequate data; product of coal combustion	b,f
UM2005-/-SOSiO:Ca	Eur. J. Mineral. 17, 623		Ca-silicate-sulphate; incomplete analysis (#6) with very low total	b
UM2005-/-Sb:PdRh	Can. Mineral. 43, 1711		(Pd,Rh) ₂ Sb; no data; would appear to be Rh-rich naldrettite	b,c
UM2005-/-Se:Bi	Can. Mineral. 43, 899		BiSe; nevskite	c
UM2005-/-SiO:BaClFeMn	Axis 1 (8), 1		Major Ba, Mn, Cl, Si and O with minor Fe; no other data; designated #40	b
UM2005-/-SiO:BaFeMn	Axis 1 (8), 1		Major Ba, Mn Si and O with minor Fe; no other data; designated #41	b
UM2005-/-SiO:CCaClFeHKNaNbZr	<i>Dokl. Akad. Nauk</i> 400, 640	<i>Am. Mineral.</i> 90, 1467	(Na,Ce) ₉ (Ca,Na,K) ₁₂ Zr ₃ Fe ₂ (Nb,Si) ₂₄ O ₇₂ (CO ₃)Cl _{0.5} ·0.5H ₂ O; later named mogovidite: <i>Zap. Ross. Mineral. Ob.</i> 134 (2005) (6), 36	a
UM2005-/-SiO:CCaClHKMnNaNbZr	<i>Dokl. Akad. Nauk</i> 403, 636	<i>Dokl. Chem.</i> 403, 148	Na ₁₂ (K,Sr,Ce) ₃ Ca ₈ Mn ₃ Zr ₃ Nb ₅ Si ₃ (Si ₃ O ₉) ₂ (Si ₉ O ₂₇) ₂ (O,OH) ₄ (H ₂ O,CO ₃ ,Cl) ₂ ; a K-analogue of kentbrooksite; later named andrianovite: <i>Zap. Ross. Mineral. Ob.</i> 137 (2008) (2), 43. Formerly coded as UM2005-30-SiO:CCaClHKMnNaNbZr	a
UM2005-/-SiO:Ca[1]	Eur. J. Mineral. 17, 623		Ca-silicate; incomplete analysis (#1); probably larnite	b,c
UM2005-/-SiO:Ca[2]	Eur. J. Mineral. 17, 623		Ca-silicate; incomplete analysis (#7) with very low total	b
UM2005-/-SiO:CaFe	Eur. J. Mineral. 17, 623		Ca,Fe-silicate; incomplete analysis (#10) with very low total	b
UM2005-/-SiO:CaMg[1]	Eur. J. Mineral. 17, 623		Ca,Mg-silicate; incomplete analysis (#2); probably bredigite	b,c
UM2005-/-SiO:CaMg[2]	Eur. J. Mineral. 17, 623		Ca,Mg-silicate; incomplete analysis (#3) with very low total	b

UM2005-//SiO:CaMg[3]	Eur. J. Mineral. 17, 623	Ca,Mg-silicate; incomplete analysis (#5) with very low total	b
UM2005-//SiO:CaMg[4]	Eur. J. Mineral. 17, 623	Ca,Mg-silicate; incomplete analysis (#9) with very low total	b
UM2005-//SiO:FePb	Can. Mineral. 43, 1663	Inadequate data; very low total (<80%); perhaps hydrous	b
UM2005-//SiO:H	Axis 1 (8), 1	SiO ₂ ·nH ₂ O; inadequate data; designated #21	b
UM2005-//SiO:HMn	Am. Mineral. 90, 371	An amorphous precipitate from brine; inadequate data	b
UM2005-//SiO:Hg[1]	Mineral. Record 36, 337	Hg-silicate; "CCUK-13"; inadequate data	b
UM2005-//SiO:Hg[2]	Mineral. Record 36, 337	Hg-silicate; "CCUK-14"; inadequate data	b
UM2005-//SiO:Mg	Eur. J. Mineral. 17, 623	Ca,Mg-silicate; incomplete analysis (#7) with very low total	b
UM2005-//SiOPO:AlBaFe	Axis 1 (8), 1	A Ba-(Fe,Al) Silicate-Phosphate; no other data; designated #27	b
UM2005-//Te:AgPd	Can. Mineral. 43, 1355	(Pd,Ag) ₃ Te ₄ ; "Unnamed 2"; same as UM1992-40-Te:AgNiPd	c
UM2005-//Te:Bi	Can. Mineral. 43, 637	Am. Mineral. 90, 1947	b
UM2005-//Te:BiSe	N. Jb. Mineral. Abh. 181, 293	Bi ₂ (Te,Se); not distinct from UM1980-16-Te:Bi on the basis of available data	c
UM2005-//Te:CuPd	Can. Mineral. 43, 1355	(Pd,Cu) ₂ Te ₃ ; "Unnamed 1" same as UM1992-41-Te:CuPd	c
UM2005-//Te:NiPd	Can. Mineral. 43, 1355	PdNiTe ₃ ; "Unnamed 3"; no data	b
UM2005-//Te:PtRh	Can. Mineral. 43, 1711	(Pd,Rh) ₃ Te ₂ ; same as UM2004-49-Te:PtRh; see also UM1961-11-Te:BiPd	c,b
UM2006-//AsO:CuH	J. Czech Geol. Soc. 51 (1-2), 159	Cu ₁₃ (AsO ₄) ₆ (AsO ₃ OH) ₄ ·23H ₂ O; "UNK2"; same as UM1997-13-AsO:CuH	c
UM2006-//Bi:Pt	Mineral. Mag. 70, 83	Pd ₃ Bi ₂ ; no data other than formula	b
UM2006-//Bi:PtSbTe	Mineral. Mag. 70, 83	Pd ₅ Bi ₃ (Te,Sb) ₂ ; no data; appears to be the same as UM1976-08-Bi:PtSbTe	b,c
UM2006-//Cl:BiHOPd	Mineral. Petrol. 86, 31	(Bi,Pd) ₉ (Cl,OH) ₅ ·6H ₂ O; low totals; hence indistinguishable from UM1993-03-Cl:BiHOPd	b
UM2006-//Cl:BiPd	Mineral. Petrol. 86, 109	Low analytical totals; indistinguishable from UM1981-03-Cl:BiPd	c
UM2006-//CO:CaCrH	Austral. J. Mineral. 12, 9	Perhaps Ca-Cr analogue of dundasite; lacks any analytical data	b
UM2006-//E:AgPt	Mineral. Mag. 70, 83	PTAg ₂ ; no data other than formula	b
UM2006-//E:IrMoOsW	Am. Mineral. 91, 191	(Os,Ir,W,Mo); probably a substituted osmium	c
UM2006-//E:IrOsW	Am. Mineral. 91, 191	Os _{0.68} W _{0.15} Ir _{0.12} Fe _{0.02} Mo _{0.02} Ru _{0.01} ; appears to be a W,Ir-substituted variety of osmium	c
UM2006-//E:PtTI	Mineral. Mag. 70, 83	Pd ₃ TI; no data other than formula; unlike any other known mineral	b
UM2006-//E:Re	Dokl. Earth Sci. 407A, 460	Probably native rhenium but inadequate data	b
UM2006-//Ge:Pt	Mineral. Mag. 70, 83	(Pd,Pt) ₂ Ge; appears to a Pt-bearing variety of UM2005-05-Ge:Pt	c
UM2006-//O:CaNbTi	New Data on Minerals, 41, 56	Ca,Ti-niobate; inadequate data; extremely low analytical total	a
UM2006-//O:CrHMnPb	Australian J. Mineral. 12, 59	Pb ₂ CrMn ₂ (O,OH,H ₂ O) ₈ ; later described under the name reynoldsite: Am. Mineral 97, (2012), 1187; transferred from Valid list	a
UM2006-//O:HPbU	J. Czech Geol. Soc. 51 (1-2), 159	Pb(UO ₂) ₃ O ₃ (OH) ₂ ·3H ₂ O; "UNK5"; appears to be same as UM1997-35-O:HPbU and similar to masuyite	c
UM2006-//O:KRe	Dokl. Earth Sci. 407A, 460	Perhaps KReO ₄ , potassium perrhenate; inadequate data	b
UM2006-//O:Re	Dokl. Earth Sci. 407A, 460	Perhaps Re ₂ O ₇ ; inadequate data	b
UM2006-//OH:AlCl	Dokl. Earth Sci. 407A, 460	Perhaps Al(OH,Cl) ₃ ; inadequate data	b
UM2006-//PO:AlCaFH	J. Czech Geol. Soc. 51 (1-2), 159	Mineral. Mag. 75, 327	a
UM2006-//PO:AlFeHZn	J. Czech Geol. Soc. 51 (1-2), 159	CaAl ₃ (PO ₄)(PO ₃ OH)(OH,F) ₆ ; "UNK4"; indistinguishable from crandallite on available data; reinvestigated and described under the name iangreyite: Mineral. Mag. 75 (2011), 327	a
UM2006-//PO:AsCuFeH	J. Czech Geol. Soc. 51 (1-2), 159	Zn(Fe,Zn,Al) ₄ (PO ₄) ₃ (OH) ₄ ; "UNK3"; later described under the name plimerite: Mineral. Mag. 73 (2009), 131	a
UM2006-//PO:FeHMn	J. Czech Geol. Soc. 51 (1-2), 159	CuFe ₂ (PO ₄) ₂ (OH) ₂ ·4H ₂ O; "UNK6" subsequently described under the name kunatite: Austral. J. Mineral. 14 (1) (2008), 3	a
UM2006-//S:BiPbSe	Mineral. Mag. 70, 123	(Mn ²⁺ ,Fe ²⁺) ₂ (Fe ³⁺ ,Al) ₃ (PO ₄) ₃ (OH) ₄ ·H ₂ O: same as UM1982-08-PO:FeHMn	c
UM2006-//S:CuFeGeZn	Can. Mineral. 44, 1481	A Pb-Bi-Se-S mineral; no other data provided	b
UM2006-//Sb:BiPdTe	Mineral. Mag. 70, 83	Cu ₂ (Zn,Fe)GeS ₄ ; appears to be the same as UM1965-10-S:CuFeGeZn	c
UM2006-//Sb:Pt	Mineral. Mag. 70, 83	Pd ₂ (Sb,Bi,Te); no data other than formula; could be Bi- and Te-bearing naldrettite	b,c
UM2006-//Sb:Pt	Mineral. Mag. 70, 83	Pd ₅ Sb ₃ ; no data other than formula; close to naldrettite	b
UM2006-//SiO:AIBFFeHNa	Eur. J. Mineral. 18, 583	PTsSbSb; no data other than formula which is likely in error	b
UM2006-//SiO:BaCaTh	New Data on Minerals, 41, 56	NaFe ²⁺ ₃ Al ₆ Si ₆ O ₁₈ (BO ₃) ₃ (OH) ₃ F; although not yet formally IMA-approved, the name fluor-schorl has been used: Eur. J. Mineral. 11 (1999), 201	c
UM2006-//SiO:CaNbPTI	New Data on Minerals, 41, 56	Ba,Ca,Th-silicate; table 3, #13; inadequate data	a
UM2006-//SiO:CaTh	New Data on Minerals, 41, 56	Ca,Nb,Ti-silicate; table 1, #6-8; inadequate data; said to be Ca-analogue of murmanite	a
UM2006-//SiO:CaThTi	New Data on Minerals, 41, 56	Ca,Th-silicate; table 3, #14; inadequate data; amorphous	a
UM2006-//SiO:CaThTi	New Data on Minerals, 41, 56	Ca,Th,Ti-silicate; table 3, #12; inadequate data; amorphous	a
UM2006-//SiOPO:AlCaFHSr	J. Czech Geol. Soc. 51 (1-2), 159	(Ca,Sr) ₃ Al ₇ (SiO ₄) ₃ (PO ₄) ₄ (F,OH) ₃ ·16.5H ₂ O; "UNK1"; later described under the name krásnoite; IMA No. 2011-040; transferred from Valid list	a
UM2006-//Sn:PtSb	Mineral. Mag. 70, 83	Pd ₂ (Sn,Sb); no data; appears to be the same as UM1976-27-Sn:PtSb	b,c
UM2006-//Te:PbPd	Mineral. Mag. 70, 83	PdTe ₃ Pb ₃ ; no data other than formula	b

UM2006-//VO:AsHMn	Can. Mineral. 44, 229	Mn7(VO ₄ ,AsO ₄) ₂ (OH) ₈ ; later described under the name argandite: Am. Mineral. 96, 1894; transferred from Valid list	a
UM2007-//As:CuRh	Acta Petrol. Mineral. 26, 418	(Rh,Cu) ₇ As ₄ ; Table 5, sample 67-17; probably Cu-rich polkanovite	c
UM2007-//As:FeOsRu	Can. Mineral. 45, 631	"Ru ₃ As ₂ "; very low analytical total makes suggested formula suspect; perhaps an Os-rich ruthenarsenite	b
UM2007-//As:IrPt	Acta Petrol. Mineral. 26, 418	(Pt,Ir) ₂ As ₃ ; probably same as UM1991-03-As:PtRhS; Table 7, sample 71-9-1	c
UM2007-//As:NiRh	Acta Petrol. Mineral. 26, 418	(Rh,Ni) ₁₂ As ₇ ; Table 5, sample 65-2-5; probably Ni-rich polkanovite	c
UM2007-//As:PdRh[1]	Acta Petrol. Mineral. 26, 418	(Pd,Rh) ₂ As; Table 5, sample 71-9-3; appears to be pallododymite	c
UM2007-//As:PdRh[2]	Acta Petrol. Mineral. 26, 418	(Rh,Pd) ₂ As; Table 5, sample 108-23; appears to be rhodarsenide	c
UM2007-//AsS:Ir	Acta Petrol. Mineral. 26, 418	Ir(S,As) ₂ ; Table 8, samples 98-35 to 30-10; probably compositional variants of irarsite	c
UM2007-//AsS:IrRh	Acta Petrol. Mineral. 26, 418	(Rh,Ir)AsS; Table 8, samples 76-12-2--24, 65-2-5-7 & 67-17-11 probably compositional variants of hollingworthite	c
UM2007-//AsTe:Ru	Can. Mineral. 45, 751	(Ru _{0.89} Rh _{0.05} Os _{0.04})As(Te _{0.85} As _{0.12} Sb _{0.01}); indistinguishable from UM1981-01-AsTe:Ru	c
UM2007-//Bi:PdPt	Contr. Mineral. Petrol. 154, 171	PdPtBi; no analytical data	b
UM2007-//Bi:PdPtSb	Neues. Jb. Mineral. Abh. 183, 173	(Pt,Pd)(Bi,Sb); Table 4 anal. 49; not distinct from UM1974-02-Bi:AsPdPtSb	c
UM2007-//Bi:PdSb	Contr. Mineral. Petrol. 154, 171	Pd(Bi,Sb); no analytical data; could be Sb-rich sobolevskite or equivalent to UM1976-08-Bi:PdSbTe	b
UM2007-//COPO:CaKNaS	Mineral. Mag. 71, 483	Possibly new unnamed carbonate-phosphate(s) but data are inadequate and analytical totals extremely low; Table 4	a
UM2007-//E:CuPt	Neues. Jb. Mineral. Abh. 183, 173	Cu ₃ Pt; appears to be the same as UM1992-11-E:CuPtSb	c
UM2007-//E:FeIrNiPt	Can. Mineral. 45, 631	(Fe,Ni) ₃ (Pt,Ir); Table 4, anal. 98c211 <i>et seq.</i> appears to be same as UM1984-18-E:FeNiPt	c
UM2007-//E:FeNi	Can. Mineral. 45, 631	Ni ₂₋₃ Fe; Table 4, anal. 98c 112 & 13; appears to be awaruite	c
UM2007-//O:BiFePdPt	Neues. Jb. Mineral. Abh. 183, 173	Pd,Bi,Pt,Fe,Cu-oxide; inadequate data	b
UM2007-//O:BiFePt	Neues. Jb. Mineral. Abh. 183, 173	Bi,Pt,Fe,Cu-oxide; inadequate data	b
UM2007-//O:FeIrOsRu	Can. Mineral. 45, 631	"PGE oxides"; variable compositions, no oxygen determination and many poor analytical totals; some, at least, equivalent to UM1997-33-O:FeHglrOsRu	b,c
UM2007-//S:Ag	Contr. Mineral. Petrol. 154, 171	Ag ₄ S; distinct formula but no analytical data	b
UM2007-//S:AgBiCuFePbSe	Izv. Akad. Nauk Kaz., Ser. Geol. (2007) (1), 17	Fe ₃ CuBi(Ag,Pb)(S,Se) ₃ ; very low total; appears to be the same as UM1989-15-S:AgBiCuFePbSe	c
UM2007-//S:AgBiCuPb	Izv. Akad. Nauk Kaz., Ser. Geol. (2007) (1), 17	(Cu,Pb,BiAg) ₃ S; compositionally indistinguishable from berryite	c
UM2007-//S:AgPd	Dokl. Earth Sci. 414, 511	(Pd,Ag) ₄ S; no analytical data; perhaps a Ag-rich variety of UM1992-28-S:Pd	b,c
UM2007-//S:BiCuPt	Contr. Mineral. Petrol. 154, 171	PtCuBiS ₃ ; formula distinct, but no data	b
UM2007-//S:CuFeIrNiOsRu	Can. Mineral. 45, 631	"Partially desulfurized laurite"; variable compositions and very poor analytical totals	b
UM2007-//S:CuFeIrNiPtRh	Acta Petrol. Mineral. 26, 418	(Ir,Cu,Ni,Pt,Rh,Fe) ₃ S; Table 1, anal. 3; same as UM1990-38-S:CuFeIrNiPtRh	c
UM2007-//S:CuIr	Acta Petrol. Mineral. 26, 418	(Ir,Cu) ₂ S ₃ ; Table 9, sample 36-15; probably same as UM1976-15-S:CuIrRh	c
UM2007-//S:CuIrRhPt	Contr. Mineral. Petrol. 154, 171	(Pt,Cu,Rh,Ir) ₂ S ₃ ; no analytical data	b
UM2007-//S:FeK	Mineral. Mag. 71, 483	K ₁₋₂ Fe ₂₋₃ S ₃₋₄ ; same as UM1997-44-S:FeK	c
UM2007-//S:FeNi	Can. Mineral. 45, 631	(Fe,Ni) ₃ S; appears to be the same as UM1989-25-S:FeNi	c
UM2007-//S:IrRh	Can. Mineral. 45, 355	Rh-Ir-S mineral "Un#2"; no other data provided	b
UM2007-//S:NiRh	Can. Mineral. 45, 355	Rh-Ni-S mineral "Un#1"; no other data provided	b
UM2007-//S:PtRhSb	Neues. Jb. Mineral. Abh. 183, 173	(Rh,Pt)SbS; appears to be the same as UM1976-16-S:IrRhSb	c
UM2007-//S:Rh	Acta Petrol. Mineral. 26, 418	RhS; Table 9 sample 76-12-2; same as UM2002-27-S:Rh; note Rh value omitted from table assumed by difference;	c
UM2007-//SO:CCuHZn	J. Mineral. Petrol. Sci. 102, 233	(Zn,Cu) ₇ (SO ₄ ,CO ₃) ₂ (OH) ₁₀₋₃ H ₂ O; appears to be identical to UM1992-30-SO:CCuHZn	c
UM2007-//Sb:BiPd	Mineral. Petrol. 89,159	Pd(Sb,Bi); appears not to be distinct from UM1961-08-Sb:BiPd	c
UM2007-//Sb:BiPdPt	Neues. Jb. Mineral. Abh. 183, 173	(Pt,Pd)(Sb,Bi); Table 4 anal. 211; probably a Pd-rich stumpflite	c
UM2007-//Sb:CuPd	Neues. Jb. Mineral. Abh. 183, 173	Pd ₂ CuSb; same as UM1961-09-Sb:CuPd	c
UM2007-//Sb:Pd[1]	Mineral. Petrol. 89,159	PdSb; appears not to be distinct from sudburyite	c
UM2007-//Sb:Pd[2]	Mineral. Petrol. 89,159	Pd ₄ Sb ₃ ; not distinct from ungavaite	c
UM2007-//Se:Bi	Can. Mineral. 45, 665	Bi ₄ Se ₃ ; same as UM1992-//Se:BiCu	c
UM2007-//SiO:AlBaCaHKNaNbREETHt	New Data on Minerals 42, 33	(K,Ca,Th,Na,Ba,REE) _{3.5} (Ti,Nb) ₃ (Si,Al) ₈ (O,OH) _{50-n} H ₂ O; inadequate data with low total; perhaps related to vudyavrite	b
UM2007-//Te:AgAsAuPbTe	Mineral. Petrol. 91, 249	Au ₃ (Ag,Pb)As ₂ Te ₃ ; appears to be identical to UM1989-02-AsTe:AgAuPb	c
UM2007-//Te:AsPd	Dokl. Earth Sci. 414, 511	Pd ₃ (Te,As); not distinct from UM1991-26-Te:AsPd	c
UM2007-//Te:AsRu	Can. Mineral. 45, 751	RuAsTe; Table 4, anal. 6; clearly the same as UM1981-01-AsTe:Ru	c
UM2007-//Te:Bi[1]	Can. Mineral. 45, 665	Bi ₂ Te ₃ ; appears not to be distinct from UM1968-05-Te:Bi	c
UM2007-//Te:Bi[2]	Can. Mineral. 45, 665	Bi ₂ Te ₂ ; appears not to be distinct from UM1980-16-Te:Bi	c
UM2007-//Te:Bi[3]	Can. Mineral. 45, 665	Bi ₃ Te ₂ ; appears not to be distinct from UM1983-29-Te:BiSSe	c
UM2007-//Te:BiSSe[1]	Can. Mineral. 45, 665	Bi ₃ Te ₂ (Se,S) ₂ ; appears to be the same as UM1995-45-Te:BiSSe	c

UM2007--/Te:BiSSe[2]	Can. Mineral. 45, 665	Bi ₃ Te(S,Se); appears not to be distinct from protojoseite	c
UM2007--/Te:BiSe	Can. Mineral. 45, 665	Bi ₄ Te ₂ Se; same as UM2001-24-Te:BiSe	c
UM2008--/As:FeIrNiS	Mineral. Petrol. 92, 31	(Ir,Fe,Ni) ₃ (As,S) ₂ ; Table 8, #9; same as UM1997-01-As:FeIrNiS	c
UM2008--/As:IrNi[1]	Mineral. Petrol. 92, 31	(Ni,Ir) ₅ As ₂ ; Table 8, #5; appears to be orcelite	c
UM2008--/As:IrNi[2]	Mineral. Petrol. 92, 31	(Ni,Ir) ₇ As ₃ ; Table 8, #4; compositional variant of UM1973-01-As:NiPd	c
UM2008--/As:IrNiOsRu	Mineral. Petrol. 92, 31	(Ru,Ni,Os,Ir)As; Table 8, #3; probably compositional variant of ruthenarsenide	c
UM2008--/As:IrOs	Mineral. Petrol. 92, 31	(Ir,Os) ₂ As; Table 8, #7; same as UM1997-02-As:IrOs	c
UM2008--/As:NiPd	Mineral. Petrol. 92, 283	Pd ₃ Ni ₂ As ₃ ; p.296, para. 3, line 3; not distinct from menshikovite	c
UM2008--/As:NiRh	Mineral. Petrol. 92, 31	RhNiAs; Table 8, #1; same as 1983--/As:NiRh	a,c
UM2008--/As:OsRu	Mineral. Petrol. 92, 31	(Os,Ru)As ₂ ; Table 8, #2; poor total; appears to be omeiite	c
UM2008--/As:PdSbSn	Mineral. Petrol. 92, 283	Pd ₁₁ As ₂ (Sb,Sn) ₂ ; Table 5, anal. 29; not distinct from isomertieite	c
UM2008--/As:PdSn	Mineral. Petrol. 92, 283	Pd ₃ (As,Sn); Table 5, anal. 25 & 27; not distinct from stillwaterite or arsenopalladinite	c
UM2008--/AsO:FeHPbZn	Can. Mineral. 46, 1355	Pb(Zn _{0.5} □ _{0.5})Fe ₃ (AsO ₄) ₂ (OH) ₆ ; subsequently described under the name kolitschite: Austral. J. Mineral. 14 (2), 63	a
UM2008--/AsS:IrOs	Mineral. Petrol. 92, 31	(Ir,Os)AsS; Table 8, #14, 15 & 19-21; appears to be irarsite	c
UM2008--/AsS:OsRu	Mineral. Petrol. 92, 31	(Ru,Os)AsS; Table 8, #10 & 11; appears to be ruarsite	c
UM2008--/BO:FHMgSi	Eur. J. Mineral. 20, 951	Mg ₂ (BO ₃) _{1-x} (SiO ₄) _x (OH,F) _{1-x} ; later named pertsevite-(OH): Am. Mineral. 95 (2010), 953	c
UM2008--/Bi:AgAu	Dokl. Earth Sci. 421A, 919	(Au,Ag) ₂ Bi; could be equated with Ag-bearing maldonite	c
UM2008--/Bi:PdSbTe	Mineral. Petrol. 92, 129	Pd(Bi,Te,Sb); Table 4, 1st, 2nd, 3rd, 5th, 6th & 9th; appear to be same as UM1976-08-Bi:PdSbTe	c
UM2008--/Bi:PdTe	Mineral. Petrol. 92, 283	Pd ₃ (Bi,Te); Table 5, anal. 26; appears to be Te-rich variety of UM2004-05-Bi:Pd	c
UM2008--/BiSb:Pd	Mineral. Petrol. 92, 129	Pd(Bi,Sb); Table 4, 4th & 7th; appears to be same as UM2002-01-BiSb:Pd	c
UM2008--/C:CrFeNi	Acta Geol. Sinica 83 (1), 52	Perhaps (Fe,Cr,Ni) ₇ C ₃ but wildly erratic analyses; data inadequate	b
UM2008--/Cl:Rh[1]	Dokl. Earth Sci. 421A, 919	RhCl ₂	b
UM2008--/Cl:Rh[2]	Dokl. Earth Sci. 421A, 919	RhCl ₄	b
UM2008--/CO:CaSr	Can. Mineral. 46, 753	(Sr _{0.5} Ca _{0.5})CO ₃ ; same as UM1989-07-CO:CaSr	c
UM2008--/COPO:CaKNaS[1]	Mineral. Mag. 71, 483	High-P, CO ₂ assumed and probably hydrous; likely a new mineral but inadequate data and no formula	b
UM2008--/COPO:CaKNaS[2]	Mineral. Mag. 71, 483	Low-P, CO ₂ assumed and probably hydrous; likely a new mineral but inadequate data and no formula	b
UM2008--/E:AgW[1]	Dokl. Earth Sci. 421A, 919	AgW; no data	b
UM2008--/E:AgW[2]	Dokl. Earth Sci. 421A, 919	Ag ₂ W; no data	b
UM2008--/E:AgW[3]	Dokl. Earth Sci. 421A, 919	AgW ₂ ; no data	b
UM2008--/E:AuCu	Dokl. Earth Sci. 421A, 919	Cu ₂ Au; no data	b
UM2008--/E:AuCuFeNiPt	Can. Mineral. 46, 329	Pt(Fe,Cu,Ni,Au); Table 3, anal. 32; appears to be a Cu-Au-bearing tetraferroplatinum	c
	Can. Mineral. 46, 329	(Fe,Ni,Au)Pt ₂ ; Table 3, anal. 33; appears to be a Ni,Au-bearing variant of UM1996-13-E:FePt	c
UM2008--/E:AuFeNiPt			
UM2008--/E:AuPd	Neues Jh. Mineral. Abh. 184, 329	Au ₂ Pd; appears to be the same as UM2000-04-E:AuCuPd	c
UM2008--/E:BiPdPt	Dokl. Earth Sci. 421A, 919	(Pt,Bi) ₂ Pd; not distinct from UKI-1995-(E:AuPdPt)	c
UM2008--/E:CuFeNiPt	Can. Mineral. 46, 329	(Ni,Fe,Cu) ₃ Pt; Table 3, anal. 33; a compositional variant of UM1986-12-E:CuFeNiPt	c
UM2008--/E:CuFeOsRu	Mineral. Petrol. 92, 31	(Os,Ru)(Cu,Fe); appears to be the same as UM1997-29-E:CuFeOsRu	c
UM2008--/E:CuPdPt [1]	Can. Mineral. 46, 329	Cu ₃ (Pd,Pt); Table 3, anal. 50; not distinct from nielsenite: Can. Mineral. 46 (2008), 709	c
UM2008--/E:CuPdPt [2]	Can. Mineral. 46, 329	Cu ₄ (Pd,Pt); Table 3, anal. 36; not distinct from UM2004-12-E:CuPdPt	c
UM2008--/E:CuSn	Dokl. Earth Sci. 421A, 923	Cu ₆ Sn ₅ ; termed "η-bronze"; same as UM1965-06-E:CuSn	c
UM2008--/E:FeIrNi	Mineral. Petrol. 92, 31	Ir(Ni,Fe) ₃ ; Table 4, #2; later described under the name garutiite: Eur. J. Mineral. 22 (2010), 293	a
UM2008--/E:FeNiPt	Can. Mineral. 46, 329	(Ni,Fe) ₃ Pt; Table 3, anal. 21; appears to be a compositional variant of UM1986-12-E:CuFeNiPt	c
UM2008--/E:FePt	Mineral. Deposita 43, 791	Pt ₂ Fe; appears to be same as UM1996-13-E:FePt	c
UM2008--/E:IrMoOsW[1]	Am. Mineral. 93, 1574	(Os,Ir,W,Mo); same as UM2006--/E:IrMoOsW; probably a substituted osmium	c
UM2008--/E:IrMoOsW[2]	Am. Mineral. 93, 1574	(Ir,Os,W,Mo); probably a substituted iridium	c
UM2008--/E:MoRuTi	Dokl. Earth Sci. 421A, 919	(Mo,Ru)Ti; no data	b
UM2008--/E:NiPb	Mineral. Petrol. 92, 31	PbNi; p.41, BM alloys; no analytical data	b
UM2008--/F:AlHMgO	Fjörlit náttúrufræðistofnunar Nr. 52, 1	MgAlF ₅ ·2H ₂ O; "mineral HR"; later named leonardsenite: Mineral. Mag. 75 (2011), 2889; transferred from Valid list	a
UM2008--/F:KMg	Can. Mineral. 46, 843	KMgF ₃ ; the K-analogue of neighborite; same as UM1960-02-F:KMg	c
UM2008--/O:BiPdSb	Mineral. Petrol. 92, 283	Pd ₁₋₂ (Sb,Bi)O ₁₋₂ ; p.299, line 8; corresponds to UM2000-28-O:BiPdSb	c
UM2008--/O:CaMnREETi	Dokl. Earth Sci. 421A, 923	"Phase A"; perhaps (REE,Mn,Ca) ₅ Ti ₅ O ₁₆ ; only qualitative analytical data	b
UM2008--/O:CaMnREETiZr[1]	Dokl. Earth Sci. 421A, 923	"Phase B"; perhaps (Mn,Ca,Zr,REE) ₅ Ti ₅ O _{16.5} ; only qualitative analytical data	b
UM2008--/O:CaMnREETiZr[2]	Dokl. Earth Sci. 421A, 923	"Phase C"; perhaps (Ca,Mn,Zr,REE) _{4.5} Ti _{5.5} O ₁₆ ; only qualitative analytical data	b

UM2008-/-O:CaNbU	Mineral. Deposita 43, 933	Mineral. Mag. 76, 75	A uranium niobate, not distinct from carlobarbosaite on the basis of available data	a,c
UM2008-/-O:ClNaSSb	Dokl. Earth Sci. 421A, 923		Perhaps Na ₉ (Sb ₂ O ₃) ₉ (SbS ₃)SO _{1.5} Cl; only qualitative analytical data	b
UM2008-/-O:FeHMgPdSi	Can. Mineral. 46, 329		(Fe,Si,Mg,Pd) ₂ O ₃ ·nH ₂ O; inadequate data; low analytical total (perhaps due to H ₂ O)	b
UM2008-/-O:PdSb	Mineral. Petrol. 92, 283		Pd ₅ Sb ₂ O ₄ ; p.299, line 3; corresponds to UM2000-40-O:PdSb	c
UM2008-/-S:AgBiFeTe	Chinese Science Bulletin (2008), 1		Ag ₁₆ FeBiTe ₃ S ₈ ; same as UM2003-14-S:AgBiFeTe	c
UM2008-/-S:AgBiPb[1]	Neues Jh. Mineral. Abh. 185, 199		PbAgBiS ₃ ; same as UM1987-06	c
UM2008-/-S:AgBiPb[2]	Neues Jh. Mineral. Abh. 185, 199		Pb ₃ Ag ₂ Bi ₂ S ₇ ; same as UM1987-07	c
UM2008-/-S:AgBiPbSb	Austral. J. Mineral. 14, 19		Table 5; probably not distinct from treasureite	c
UM2008-/-S:AgHg[1]	Dokl. Earth Sci. 421A, 919		Ag ₁₀ Hg ₃ S ₈ ; no data	b
UM2008-/-S:AgHg[2]	Dokl. Earth Sci. 421A, 919		Ag ₇ HgS ₄ ; no data	b
UM2008-/-S:AgTe	Chinese Science Bulletin (2008), 1		Ag ₆ TeS ₂ ; same as UM2003-17-S:AgTe	c
UM2008-/-S:AsCuFeIr	Mineral. Petrol. 92, 31		(Ir,Cu,Fe,Ni) ₂ (S,As) ₃ ; p.43, para. 2; compositional variant of UM1997-38-S:AsIrOs	c
UM2008-/-S:AsFeIrOs	Mineral. Petrol. 92, 31		(Ir,Os,Fe) ₂ (S,As) ₃ ; p.43, para. 2; same as UM1997-38-S:AsIrOs	c
UM2008-/-S:CuFe	Can. Mineral. 46, 545		Cu ₂ Fe ₃ S ₅ ; Table 7; appears to be the same as UM1986-42-S:CuFe	c
UM2008-/-S:CuFeNi	Can. Mineral. 46, 233		Cu ₂ (Fe,Ni) ₇ S ₈ ; mineral "Z"; identical to UM1998-14-S:CuFeNi	c
UM2008-/-S:CuIr	Mineral. Petrol. 92, 31		Ir ₂ CuS ₄ ; Table 6, #1; appears to be cuproiridsite	c
UM2008-/-S:CuIrNi[1]	Mineral. Petrol. 92, 31		(Ir,Cu,Rh,Ni) ₃ S ₄ ; Table 6, #3; probably xingzhongite	c
UM2008-/-S:CuIrNi[2]	Mineral. Petrol. 92, 31		(Ir,Rh)(Ni,Fe,Cu) ₂ S ₃ ; Table 6, #5, 6 & 8; probably same as UM1974-11-S:CuFeIrNi	c
UM2008-/-S:Fe,Ni	Can. Mineral. 46, 233		(Fe,Ni,Co,Cu) ₉ S ₈ ; mineral "X"; identical to UM1998-16-S:FeNi	c
UM2008-/-S:IrOs	Mineral. Petrol. 92, 31		(Ir,Os) ₂ S ₃ ; Table 6, #2; a compositional variant of UM1990-42-S:IrOsPbPt	c
UM2008-/-S:IrRh	Mineral. Petrol. 92, 31		(Ir,Rh) ₂ S ₂ ; p.42, line 3; a compositional variant of UM1974-13-S:IrRh	c
UM2008-/-SO:CaHNa	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Ca _{1.66} Na _{0.66} (SO ₄) ₂ ·H ₂ O; "mineral SA"; later named omongwaite: Mineral. Mag. 72 (2008), 1209	a
UM2008-/-Sb:AsPd	Mineral. Petrol. 92, 283		Pd ₈ (Sb,As) ₃ ; Table 5, anal. 28; not distinct from mertieite-II	c
UM2008-/-Sb:BiPd	Mineral. Petrol. 92, 129		Pd(Sb,Bi); Table 4, 10th; appears to be a Bi-rich sudburyite or perhaps Bi-rich UM1974-15-Sb:Pd	c
UM2008-/-Se:HgPdPt	Terra Nova 20, 32		(Pt,Pd) ₂ HgSe ₃ ; later named jacutingaite: Mineral. Mag. 75 (2011), 289; transferred from Valid list	a
UM2008-/-Se:PtPd	Dokl. Earth Sci. 423A, 1400		(Pd,Pt) ₃ Se ₂ ; appears to be a Pt-bearing variety of UM1995-39-Se:Pt	c
UM2008-/-Sn:Pd	Dokl. Earth Sci. 423A, 1400		PdSn ₂ ; appears to be identical to UM1995-44-Sn:Pd	c
UM2008-/-Te:BiFeS	J. Geosci. 53, 1		(Bi,Fe) ₅ (Te,S) ₃ ; probably not distinct from UM1982-26-Te:BiSSe	c
UM2008-/-Te:BiS	J. Geosci. 53, 1		Bi ₂ (Te,S); not distinct from UM1980-16-Te:Bi	c
UM2008-/-?[1]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "EA"; no composition, only some X-ray powder data	b
UM2008-/-?[2]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "EB"; no composition, only some X-ray powder data	b
UM2008-/-?[3]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "EH"; no composition, only some X-ray powder data	b
UM2008-/-?[4]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "EI"; no composition, only some X-ray powder data	b
UM2008-/-?[5]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "HA"; no composition, only some X-ray powder data; later named jakobssonite; Mineral. Mag., 46, (2012) 751	a,b
UM2008-/-?[6]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "HB"; no composition, only some X-ray powder data	b
UM2008-/-?[7]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "HC"; no composition, only some X-ray powder data	b
UM2008-/-?[8]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "HM"; no composition, only some X-ray powder data	b
UM2008-/-?[9]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "HN"; no composition, only some X-ray powder data	b
UM2008-/-?[10]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "HS"; no composition, only some X-ray powder data	b
UM2008-/-?[11]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "SB"; no composition, only some X-ray powder data	b
UM2008-/-?[12]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "SC"; no composition, only some X-ray powder data	b
UM2008-/-?[13]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "SF"; no composition, only some X-ray powder data	b
UM2008-/-?[14]	Fjölrít náttúrufræðistofnunar Nr. 52, 1		Mineral "SG"; no composition, only some X-ray powder data	b
UM2009-/-As:NiRh	Neues. Jb. Mineral. Abh. 185 (3), 335		RhNiAs; but actual atomic proportions rather variable; close to both UM2007-03-As:NiRh and UM1983-03-As:NiRh	c,b
UM2009-/-As:PtTe	Geol. Ore Deposits 51, 467		Pd ₁₁ As ₂ Te ₂ ; Table 1 #42; no data, only formula	b
UM2009-/-C:B	Proc. Nat. Acad. Sci. (U.S.A.) 106 (46), 19233		Boron carbide; stoichiometry not known; inadequate data	b
UM2009-/-C:MnSi	Mineral. Mag. 73, 43		Identified only as a manganese silicic carbide; no data presented	b
UM2009-/-CN:FeHKZn	Can. Mineral. 47, 525		(Na,K) ₂ Zn ₃ [Fe(CN) ₆] ₂ ·nH ₂ O; of anthropogenic origin; does not meet IMA criteria for definition of a mineral	f
UM2009-/-E:AuCuPd	Geol. Ore Deposits 51, 467		Cu ₂ AuPd; Table 1 #41; appears to be the same as UM2004-08-E:AuCuPd	c
UM2009-/-E:AuCuPdPt	Geol. Ore Deposits 51, 467		Cu ₃ (Pt,Au,Pd); Table 1 #51; appears to be the same as UM1999-07-E:AuCuPt	c
UM2009-/-E:AuHgPd	Eur. J. Mineral. 21, 811		Pd ₃ (Hg,Au) ₂ ; appears to be an auriferous variety of UM1993-05-E:CuFeHgPd	c
UM2009-/-E:CuFePdPt	Geol. Ore Deposits 51, 467		(Pt,Pd) ₂ CuFe; Table 1 #44; appears to be a Pd-rich tulameenite	c
UM2009-/-E:CuPd	Geol. Ore Deposits 51, 467		Cu ₃ Pt; Table 1 #40; appears to be the same as UM1992-11-E:CuPtSb	c
UM2009-/-E:FeIrOsRu.	Neues. Jb. Mineral. Abh. 185 (3), 335		Ru,Os,Ir,Fe-alloys; poor data - analytical totals shown are seriously in error; some similarities to UM2007-13-E:FeIrNiOsRu	b

UM2009-//E:FeIrNi[1]	Neues. Jb. Mineral. Abh. 185 (3), 335	Ir(Ni,Fe) ₃ ; appears to be the same as UKI-2008-(E:FeIrNi)	c
UM2009-//E:FeIrNi[2]	Neues. Jb. Mineral. Abh. 185 (3), 335	Ir(Ni,Fe) ₄ ; appears to be the same as UM2000-15-E:FeIrNi	c
UM2009-//E:FeNiPt	Neues. Jb. Mineral. Abh. 185 (3), 335	Pt(Ni,Fe) ₃ ; appears not to be distinct from UM1986-12-E:CuFeNiPt	c
UM2009-//E:FePdPt	Geol. Ore Deposits 51, 467	(Pt,Pd) ₂ CuFe; Table 1 #45; appears to be a Pd-rich isoferroplatinum	c
UM2009-//E:AgAuHg	Can. Mineral. 47, 433	(Au,Ag) ₃ Hg; may be the Au-dominant analogue of luanheite (Ag ₃ Hg); but considered to be of anthropogenic origin and therefore not a mineral	f
UM2009-//O:CuFePdPt	Geol. Ore Deposits 51, 467	~(Pt,Cu,Fe,Pd) ₃ O ₉ ; Table 4 #12; not demonstrably homogeneous; may be a mixture	b
UM2009-//O:CuFePt[1]	Geol. Ore Deposits 51, 467	~(Fe,Pt,Cu) ₃ O ₄ ; Table 4 #8 & 10; not demonstrably homogeneous; may be a mixture	b
UM2009-//O:CuFePt[2]	Geol. Ore Deposits 51, 467	~(Fe,Pt,Cu) ₂ O ₂ ; Table 4 #9; not demonstrably homogeneous; may be a mixture	b
UM2009-//O:CuFePt[3]	Geol. Ore Deposits 51, 467	~(Fe,Pt,Cu) ₂ O; Table 4 #11; not demonstrably homogeneous; may be a mixture	b
UM2009-//O:FeIrOsRu[1]	Neues. Jb. Mineral. Abh. 185 (3), 335	(Ru,Os,Ir,Fe) ₂ O; Table 1 - var. analyses; probably same as UM1999-15-O:IrOsRu	c
UM2009-//O:FeIrOsRu[2]	Neues. Jb. Mineral. Abh. 185 (3), 335	(Ru,Os,Ir,Fe) ₂ O ₃ ; Table 1 - var. analyses; probably same as UM1997-34-O:FeIrOsRu	c
UM2009-//O:FePt	Geol. Ore Deposits 51, 467	~(Pt,Fe) ₃ O ₄ ; Table 4 #7; not demonstrably homogeneous; may be a mixture	b,d
UM2009-//P:MnSi	Mineral. Mag. 73, 43	Identified only as a manganese silicic phosphide; no data presented	b
UM2009-//PO:AlNa	Can. Mineral. 47, 1225	Described as a white, Na-Al phosphate; no other data	b
UM2009-//PO:HZr	Mineral. Mag. 73, 415	Zr(PO ₃ OH) ₂ (H ₂ O) ₄ ; formula but no data presented	b
UM2009-//S:CuFe[1]	Mineral. Deposita 44, 285	Unidentified sulphide (~Cu _{4.7} Fe _{1.3} S ₅); no other data; perhaps a mixture	b,d
UM2009-//S:CuFe[2]	Mineral. Deposita 44, 285	Unidentified sulphide (~Cu _{5.7} Fe _{1.2} S ₅); no other data; perhaps a mixture	b,d
UM2009-//S:CuFePdPt	Geol. Ore Deposits 51, 467	(Pt,PdCuFe) ₂ S; Table 1 #46; not compositionally distinct from cooperite and braggite	c
UM2009-//S:CoNi	Proc. Nat. Acad. Sci. Kazakhstan Geol. Ser.	(Ni,Co) ₂ (S,Te) ₃ ; inadequate data - very low total and Te shown in formula not reported	b
UM2009-//S:OPbSb	Can Mineral. 47, 3	Pb _{15-2x} Sb _{14+2x} S ₃₆ O _x ; later described under the name chovanite: Eur. J. Mineral. 24 (2012), 727; transferred from Valid list	a
UM2009-//SO:CaHZr	Mineral. Mag. 73, 251	Ba ₂ F ₂ (S ⁶⁺ O ₃ S ²⁻); a thiosulphate produced by the weathering of man-made material; does not meet the requirements for a mineral	f
UM2009-//SO:FeNa	Mineral. Mag. 73, 51	Na ₃ Fe(SO ₄) ₃ ; no data - only formula	b
UM2009-//SSiO:CuFeMgPdPt	Geol. Ore Deposits 51, 467	Table 4 #13 & 14; not demonstrably homogeneous; may be a silicate and sulphate mixture	b,d
UM2009-//Se:PbPd	Geol. Ore Deposits 51, 467	(Pd,Pb) ₂ (Se,S); Table 1 #50; no data; perhaps the Se-analogue of UM1977-12-S:PbPdSe	b
UM2009-//SiO:AlCaKNa	Eur. J. Mineral. 21, 1325	"Unidentified aluminosilicate"; inadequate data	b
UM2009-//SiO:CaCIFeHKNaZr	Dokl. Chem. 424 (1), 11	Na ₁₂ K ₃ Ca ₆ Fe ₃ Zr ₃ Si ₂₆ O ₇₂ (O,OH) ₂ Cl ₂ ; later described under the name d'avinciite: Mineral. Mag. 75, 2552 (IMA No. 2011-019); transferred from Valid list	a
UM2009-//SiO:CaFH	Am. Mineral. 94, 1361	Ca ₇ (SiO ₄) ₃ F ₂ ; given working name "Ca-humite" but later described under the name fluorhegemite: Mineral. Mag. 76 (2012), 812; transferred from Valid list	a
UM2009-//Te:AgPd	Geol. Ore Deposits 51, 467	Pd ₆ AgTe ₄ ; Table 1 #37; appears to be the same as UM1991-25-Te:AgPd	c
UM2009-//Te:BiPbPd	Can. Mineral. 47, 53	Pd(Pb,Te,Bi); apparently the same as UM1972-17-Te:BiPbPd	c
UM2009-//Te:PbPt	Geol. Ore Deposits 51, 467	Pd(Te,Pb); Table 1 #54; no data; probably a Pb-bearing kotulskite	b
UM2009-//Ti:Pd	Geol. Ore Deposits 51, 467	Pd ₃ Ti; Table 1 #43; no data only formula	b
UM2010-//As:NiRh	Eur. J. Mineral. 22, 293	RhNiAs; appears to be the same as UM1983-//As:NiRh	a,c
UM2010-//As:Pd	Geol. Ore Deposits 52, 624	(Pd,Au) ₅ (As,Sn) ₂ ; (Table 2 "(Pd,Au) _{2+x} (As,Sn)"); not distinct from UM1975-05-As:Pd	c
UM2010-//E:FeNiPt	Eur. J. Mineral. 22, 293	Pt(Ni,Fe) ₃ ; appears to be the same as UM1986-12-E:CuFeNiPt	c
UM2010-//E:CoFeIrNiOsPtRu	Eur. J. Mineral. 22, 293	(Fe,Ru,Ni,Os,Ir,Co) ₂ S; inadequate data	b
UM2010-//F:AlCa	IMA 2010, CD of Abstracts, p.496.	CaAlF ₅ ; same as UM2008-//-[?][5]; later named jakobssonite: Mineral. Mag. 46, (2012) 751; transferred from Valid list	a
UM2010-//F:AlMgHO	IMA2010, CD of Abstracts, p. 496.	MgAlF ₅ •1.5H ₂ O; apparently same as UM2008-28-F:AlHMgO	c
UM2010-//NbO:CaFNaSiSrTi	Zap. Ross. Mineral. Ob. 139 (2), 32	(Na _{2.11} K _{0.21} Ca _{1.27} Sr _{0.27} Ce _{0.06} La _{0.3})(Nb _{2.79} Ti _{0.51} Fe _{3+0.09})Si _{1.00} O _{12.01} F _{1.87} •nH ₂ O; inadequate data with low totals; possibly a pyrochlore group mineral	b
UM2010-//PO:CaCIMn	Am. Mineral. 95, 1478	Mn ₃ Ca ₂ (PO ₄) ₃ Cl; Mn-dominant apatite-like phase; no data	b
UM2010-//PO:FSr	Can. Mineral. 48, 1487	Sr ₂ PO ₄ F; no data, only formula	b
UM2010-//SO:AlCaH	Cent. Eur. J. Geosci. 2 (2), 175	Ca ₆ Al ₂ (SO ₄) ₃ (OH) ₁₂ •3.3H ₂ O; "Mineral X1"; appears to be dehydrated ettringite	c
UM2010-//SiO:AlCaHK[1]	Cent. Eur. J. Geosci. 2 (2), 175	(Ca,K) ₃ (Si,Al) ₁₆ O ₃₂ •13H ₂ O; "Mineral X3"; not distinct from phillipsite-Ca	c
UM2010-//SiO:AlCaHK[2]	Cent. Eur. J. Geosci. 2 (2), 175	(Ca,K) ₄ (Si,Al) ₁₆ O ₃₂ •10H ₂ O; "Mineral X5"; not distinct from phillipsite-Ca partially dehydrated	c
UM2010-//SiO:AlCaHKNa	Cent. Eur. J. Geosci. 2 (2), 175	(Ca,Na,K) ₄ (Si,Al) ₁₆ O ₃₂ •13H ₂ O; "Mineral X4"; not distinct from phillipsite-Ca	c
UM2010-//SiO:AlBaH	Eur. J. Mineral. 22, 199	Hydrated Ba,Al-silicate; harmatome lies within compositional range reported	c
UM2010-//Te:AsPd	Geol. Ore Deposits 52, 624	Pd ₃ (Te,As); appears to be the same as UM1991-26-Te:AsPd	c
UM2010-//Te:Pt	Geol. Ore Deposits 52, 624	Pt ₄ Te ₅ (Table 2 "Pt ₅ Te ₇ "); appears not to be distinct from UM1992-42-Te:PtRh	c
UM2011-//AsO:FeH	Bull. Geol. Soc. Denmark 59, 13	Inadequate data; possibly Fe ₃ (AsO ₄) ₂ •H ₂ O, (vivianite group) assuming very low analytical total reflects presence of O and H ₂ O	b
UM2011-//Br:BiHN	Camprostrini <i>et al.</i> (2011)	Designated UKI-fo01-(Br:BiNH ₄); inadequate data	b
UM2011-//Br:PbTI	Camprostrini <i>et al.</i> (2011)	Designated UKI-fo02-(Br:PbTI); inadequate data	b

UM2011-//Br:TI[1]	Campostrini <i>et al.</i> (2011)		Designated UKI-fo03-(Br:TI); inadequate data	b
UM2011-//Br:TI[2]	Campostrini <i>et al.</i> (2011)		Designated UKI-fo04-(Br:TI); inadequate data	b
UM2011-//Cl:BiHN	Campostrini <i>et al.</i> (2011)		(NH ₄) ₇ Bi ₃ Cl ₁₆ ; designated: UKI-fo05-(Cl:NH ₄ Bi); later named argesite: Mineral Mag. v. 75 (2011), 2892	a
UM2011-//ClSO:FeNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo06-(ClSO:FeNa); inadequate data	b
UM2011-//ClSO:FeK	Campostrini <i>et al.</i> (2011)		Designated UKI-fo07-(ClSO:KFe); inadequate data	b
UM2011-//F:K	Campostrini <i>et al.</i> (2011)		Designated UKI-fo08-(F:K); inadequate data	b
UM2011-//I:TI	Campostrini <i>et al.</i> (2011)		Designated UKI-fo09-(I:TI); inadequate data	b
UM2011-//I:BiTI	Campostrini <i>et al.</i> (2011)		Designated UKI-fo10-(I:TI, Bi); inadequate data	b
UM2011-//OH:CuFePbSb	Bull. Geol. Soc. Denmark 59, 13		Inadequate data ; possibly (Cu,Fe)Pb ₂ Sb ₁₂ (OH) ₂₄ ·nH ₂ O, assuming very low analytical total reflects presence of (OH) and H ₂ O	b
UM2011-//OH:CuPb	Bull. Geol. Soc. Denmark 59, 13		Inadequate data ; possibly PbCu ₂ (OH) ₅ ·nH ₂ O, assuming very low analytical total reflects presence of (OH) and H ₂ O	b
UM2011-//OH:CuSb	Bull. Geol. Soc. Denmark 59, 13		Inadequate data; possibly Cu ₂ Sb ₅ (OH) ₈ ·nH ₂ O, assuming very low analytical total reflects presence of (OH) and H ₂ O	b
UM2011-//S:Bi	Campostrini <i>et al.</i> (2011)		Designated UKI-fo12-(SO:Bi); inadequate data	b
UM2011-//S:BiCu	Campostrini <i>et al.</i> (2011)		Designated UKI-fo11-(S:BiCu); inadequate data	b
UM2011-//S:BiPbTe	Can. Mineral. 49, 1297		PbBi ₄ Te ₄ S ₃ ; same as UM1976-30-Te:BiPbS	c
UM2011-//S:FeK	Dokl. Akad. Nauk 440, 521	Dokl. Earth Sci. 440, 1404	(K) ₁₋₂ (Fe) ₂₋₃ (S) ₃₋₄ ; probably the same mineral as UM1997-44-S:FeK	c
UM2011-//SO:AgCaKREESr	Campostrini <i>et al.</i> (2011)		Designated UKI-fo13-(SO:Ca,K,Ag,Sr,REE); inadequate data	b
UM2011-//SO:FeNa[1]	Campostrini <i>et al.</i> (2011)		Designated UKI-fo14-(SO:FeNa); inadequate data	b
UM2011-//SO:FeNa[2]	Campostrini <i>et al.</i> (2011)		Designated UKI-fo15-(SO:NaFe); inadequate data	b
UM2011-//SO:FeHKNNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo18-(SO:NH ₄ FeNaK); inadequate data	b
UM2011-//SO:Pb	Campostrini <i>et al.</i> (2011)		Designated UKI-fo19-(SO:Pb); inadequate data	b
UM2011-//SO:AlKNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo20-(SO:NaAlK); inadequate data	b
UM2011-//SO:BiNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo21-(SO:NaBi); inadequate data	b
UM2011-//SO:KNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo22-(SO:NaK); inadequate data	b
UM2011-//SO:FeKNaTi	Campostrini <i>et al.</i> (2011)		Designated UKI-fo23-(SO:NaKFeTi); inadequate data	b
UM2011-//SO:KPb	Campostrini <i>et al.</i> (2011)		Designated UKI-fo24-(SO:PbK); inadequate data	b
UM2011-//SO:BaKSr	Campostrini <i>et al.</i> (2011)		Designated UKI-fo25-(SO:SrBaK); inadequate data	b
UM2011-//SO:NaPb	Campostrini <i>et al.</i> (2011)		Designated UKI-fo27-(SO:NaPb); inadequate data	b
UM2011-//SO:AlMgNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo28-(SO:AlMgNa); inadequate data	b
UM2011-//SO:AlHKN	Campostrini <i>et al.</i> (2011)		Designated UKI-fo31-(SO:AlHKN); inadequate data	b
UM2011-//SO:CaCeNaSr	Campostrini <i>et al.</i> (2011)		Designated UKI-fo32-(SO:CaCeNaSr); inadequate data	b
UM2011-//SO:NaFeNa	Campostrini <i>et al.</i> (2011)		Designated UKI-fo33-(SO:NaFeNa); inadequate data	b
UM2011-//SO:CaK	Campostrini <i>et al.</i> (2011)		Designated UKI-fo34-(SO:CaK); inadequate data	b
UM2011-//Se:BiSTe	Mineral. Petrol. 103, 79		Bi ₂ (Se,S) ₂ Te - Tab. 4, #16; not distinct from S-bearing skippenite on basis of available data	c
UM2011-//SiO:FeMg	Am. Mineral. 96, 1480		(Fe,Mg) ₂ SiO ₄ ; the Fe analogue of ringwoodite; same as UM2002-44-SiO:Fe	c
UM2011-//SiOVO:AsHMgMn	Am. Mineral. 96, 1894		Appears to be the same as UM2006-20-VO:AsHMnSi	c
UM2012-//AsO:CIHPb	Mineral. Mag. 76, 597		Pb ₂ (AsO ₂ OH)Cl ₂ ; reported only from anthropogenic slags and hence not a mineral	f
UM2012-//CO:BaMn	Chem. Erde 72, 85		BaMn(CO ₃) ₂ ; the same as UM1988-01-CO:BaMn	c
UM2012-//E:CuPt	Neues Jb. Mineral. Abh, 189 (2), 217		Pt ₇ Cu; not distinct from UM1996-11-E:CuPt	c
UM2012-//S:AgBiCu	Can. Mineral. 50, 313		(Cu _{7.28} Fe _{0.53})(Bi _{13.84} Ag _{1.88} Cd _{0.16})S _{26.30} ; an unnamed member of the cuprobismutite homologous series; designated "phase X"; not distinct from UKI-2003-(S:AgBiCu)	c