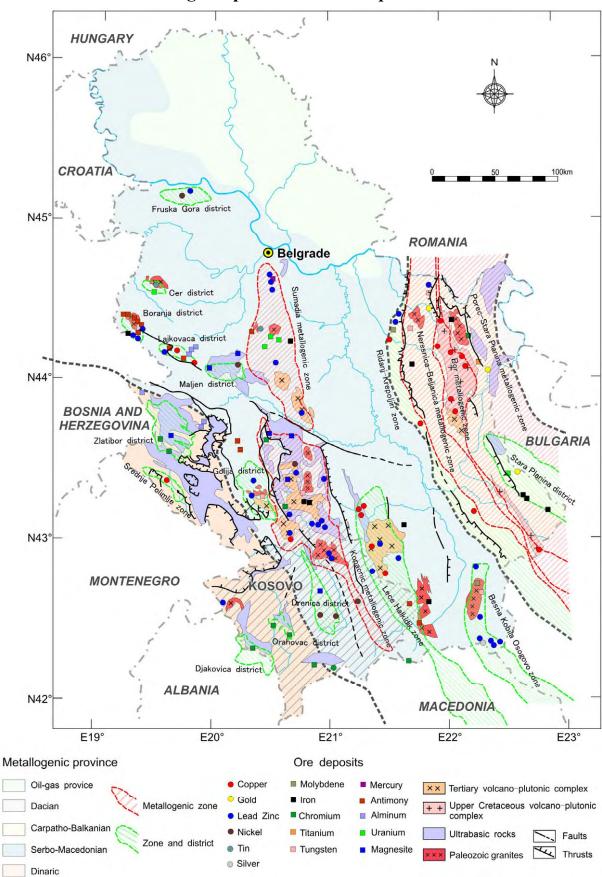
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1. Metallogenic province of the Republic of Serbia

(Modified Geological Atlas of Serbia 1:2,000,000 No14-Metallogenic map and map of ore formations, 2002)

2. List of Ore Production results from

2-1 Bor 2-1-1 Bor Underground Mine Production (1902-2006)

	high g	rade ore-b	ody	low	grade ore-b	ody		total	
yr.	mined ore(t)	Cu %	Cu (t)	mined ore(t)	Cu %	Cu (t)	mined ore(t)	Cu %	Cu (t)
1902	129						129	0	0
1903	680						680	0	0
1904	5,500	9.000	495				5,500	9.000	495
1905	12,000	9.000	1,080				12,000	9.000	1,080
1906	10,000	9.000	900				10,000	9.000	900
1907	33,887	7.749	2,626				33,887	7.749	2,626
1908	75,873	6.919	5,250				75,873	6.919	5,250
1909	90,313	6.970	6,295				90,313	6.970	6,295
1910	107,871	6.810	7,346				107,871	6.810	7,346
1911	126,937	6.200	7,870				126,937	6.200	7,870
1912	97,634	5.380	5,253				97,634	5.380	5,253
1913	142,546	5.890	8,396				142,546	5.890	8,396
1914	8,750	6.423	562				8,750	6.423	562
1915	1,000	6.400	64				1,000	6.400	64
1916	376,160	6.370	23,961				376,160	6.370	23,961
1917							├ ──── ↓		
1918	10.010	0.010	1 001				10.010	0.010	1.001
1919	16,016	6.812	1,091				16,016	6.812	1,091
1920	49,080	5.300	2,601				49,080	5.300	2,601
1921	75,567	5.870	4,436				75,567	5.870	4,436
1922	100,884	5.690	5,740				100,884	5.690	5,740
1923	123,060	5.900	7,261				123,060	5.900	7,261
1924	121,419	5.950	7,224				121,419	5.950	7,224
1925	126,768	4.440	5,628				126,768	4.440	5,628
1926	125,867	4.700 4.779	5,916				125,867	4.700	5,916
<u>1927</u> 1928	90,345 87,239	4.779	<u>4,318</u> 4,292				90,345 87,239	4.779 4.920	4,318 4,292
1928	87,239 84,987	6.720	<u>4,292</u> 5,711				87,239 84,987	<u>4.920</u> 6.720	4,292
1929	102,125	6.060	6,189				102,125	6.060	6,189
1930	114,030	6.930	7,902				114,030	6.930	7,902
1932	189,448	7.360	13,943		5.483	180	192,731	7.328	14,123
1933	367,210	7.247	26,612	9,719	3.951	384	376,929	7.162	26,996
1934	476,180	7.459	35,518		3.830	3,678	572,221	6.850	39,196
1935	489,280	7.199	35,223		3.589	3,871	597,130	6.547	39,094
1936	482,217	7.602	36,658		3.668	4,509	605,137	6.803	41,167
1937	500,351	7.390	36,976		3.229	4,845	650,399	6.430	41,821
1938	484,537	7.649	37,062		3.258	7,930		6.181	44,992
1939	375,512	7.238	27,180		3.705	17,795		5.255	44,975
1940	233,426	7.183	16,767		3.571	19,330		4.659	36,097
1941	103,011	6.964	7,174		3.620	4,855		5.073	12,029
1942	178,527	6.429	11,478		3.891	4,775		5.395	16,253
1943	111,768	5.778	6,458		3.540	7,918		4.286	14,376
1944	31,034	5.881	1,825		3.670	5,093		4.074	6,918
1945	64,711	4.491	2,906		2.979	3,099	168,733	3.559	6,005
1946	54,887	5.038	2,765		3.419	10,853		3.658	13,618
1947	106,366	5.600	5,956		3.560	12,501	457,529	4.034	18,457
1948	67,997	5.728	3,895		3.280	12,729		3.645	16,624
1949	67,838	6.681	4,532		2.850	10,123		3.464	14,655
1950	88,821	7.095	6,302		2.900	10,796		3.708	17,098
1951	138,659	5.679	7,874		2.611	7,887		3.576	15,761
1952	123,137	4.468	5,502	315,983	2.531	7,997	439,120	3.074	13,499

yr.	high g	rade ore-b	ody	low	grade ore-b	ody		total	
yı.	mined ore(t)	Cu %	Cu (t)	mined ore(t)	Cu %	Cu (t)	mined ore(t)	Cu %	Cu (t)
1953	115,730	4.494	5,201	348,299	2.300	8,010		2.847	13,211
1954	115,971	4.856	5,632	381,138	2.000	7,621	497,109	2.666	13,253
1955	98,191	4.533	4,451	432,287	1.511	6,530	530,478	2.070	10,981
1956	96,133	3.525	3,389	408,466	1.459	5,961	504,599	1.853	9,350
1957	98,189	3.944	3,873	468,929	1.420	6,658		1.857	10,531
1958	104,895	4.098	4,299	863,876	1.231	10,630		1.541	14,929
1959	78,758	4.984	3,925	729,078	1.250	9,113	807,836	1.614	13,038
1960	60,835	4.146	2,522	675,400	1.130	7,631	736,235	1.379	10,153
1961	40,740	3.446	1,404	544,587	1.150	6,264	585,327	1.310	7,668
1962	6,339	3.628	230	469,084	1.160	5,442	475,423	1.193	5,672
1963	0.005	5 000	000	470,804	1.200	5,650		1.200	5,650
1964	6,365	5.326	339	517,244	1.230	6,363	523,609	1.280	6,702
1965	44 45 4	7 0 0 1	0.004	573,472	1.100	6,308	573,472	1.100	6,308
1966	41,154	7.931	3,264	330,779	1.180	3,903		1.927	7,167
1967	39,899 65.649	7.023	2,802	342,571	1.100	3,769	382,470	1.718	6,571
1968	65,648	7.440	4,884	438,287	1.040	4,560		1.874	9,444
<u>1969</u> 1970	46,925	6.706	3,147	435,033	1.090	4,743	481,958	1.637	7,890
1970	10.200	7 704	704	561,729	1.110	6,235		1.110 1.275	6,235
1971	10,200	7.784	794	532,024 501,914	1.150 1.286	6,119 6,455		1.275	6,913 6,455
1972				602,338	1.200	7,951	501,914 602,338	1.200	7,951
1973	62,464	5.253	3,281	651,404	1.173	7,931	713,868	1.530	10,922
1974	02,404	0.200	3,201	755,053	1.173	9,831	755,053	1.302	9,831
1976				625,616	1.249	7,814	625,616	1.249	7,814
1977				354,914	2.039	7,237	354,914	2.039	7,237
1978				496,208	1.550	7,691	496,208	1.550	7,691
1979				277,304	1.998	5,540	277,304	1.998	5,540
1980	23,680	8.117	1,922	353,983	1.329	4,706	377,663	1.755	6,628
1981	14,657	8.931	1,309	320,852	2.640	8,471	335,509	2.915	9,780
1982	32,693	5.610	1,834	500,151	1.480	7,400		1.733	9,234
1983	81,654	4.559	3,723	476,054	1.190	5,663	557,708	1.683	9,386
1984	117,767	3.190	3,757	304,587	1.060	3,229		1.654	6,986
1985	107,600	2.540	2,733	540,686	0.890	4,813		1.164	7,546
1986	127,493	2.720	3,468	771,773	0.980	7,566	899,266	1.227	11,034
1987	116,304	2.960	3,443	733,501	0.970	7,112	849,805	1.242	10,555
1988	118,814	3.660	4,349	730,923	1.020	7,454	849,737	1.389	11,803
1989	106,687	3.630	3,873	739,387	0.969	7,168	846,074	1.305	11,041
1990	93,688	4.630	4,338	787,753	0.920	7,244	881,441	1.314	11,582
1991	44,226	4.590	2,030		0.880	10,091	1,190,697	1.018	12,121
1992				1,364,854	0.780	10,646		0.780	10,646
1993				1,216,161	0.732	8,900		0.732	8,900
1994				1,169,034	0.731	8,541	1,169,034	0.731	8,541
1995				1,744,044	0.709	12,359	1,744,044	0.709	12,359
1996				1,933,909	0.677	13,092	1,933,909	0.677	13,092
1997				1,847,240	0.711	13,135	1,847,240	0.711	13,135
1998				1,904,063	0.704	13,400		0.704	13,400
1999	ļ			1,309,698	0.756	9,896		0.756	9,896
2000				1,030,439	0.687	7,078		0.687	7,078
2001				471,959	0.679	3,204		0.679	3,204
2002				495,290	0.717	3,554		0.717	3,554
2003				323,785	0.628	2,033		0.628	2,033
2004				445,983	0.847	3,777	445,983	0.847	3,777
2005				432,382	0.748	3,236		0.748	3,236
2006				281,358	0.756	2,127	281,358	0.756	2,127

			Bor Open Pit		
yr.	mined ore(t)	waste(t)	W/O	Cu (%)	Cu (t)
1924	21,840	ND	-	5.95	1,299
1925	49,290	ND	_	4.43	2,184
1926	96,138	ND	-	4.70	4,518
1927	197,595	ND	_	4.78	9,445
1928	240,509	235,689	0.98	4.92	11,833
1929	244,265	347,203	1.42	6.72	16,414
1930	391,225	392,340	1.00	6.06	23,708
1931	342,750	367,803	1.07	6.93	23,752
1932	113,692	58,192	0.51	7.36	8,367
1933	199,628	67,270	0.34	7.18	14,333
1934	89,794	6,072	0.07	7.31	6,560
1935	51,420	0	0.00	6.53	3,357
1936	4,353	8,196	1.88	7.40	322
1937	0	219,739	-	0.00	0
1938	31,597	131,142	4.15	3.26	1,030
1939	125,104	88,592	0.71	5.20	6,505
1940	154,400	178,075	1.15	4.74	7,318
1941	57,887	196,322	3.39	5.23	3,027
1942	232,395	240,951	1.04	5.75	13,362
1943	231,405	2,560,675	11.07	4.52	10,459
1944	51,347	1,666,750	32.46	4.13	2,120
1945	81,913	56,202	0.69	3.64	2,982
1946	268,021	1,059,487	3.95	3.75	10,050
1947	354,139	2,118,785	5.98	4.11	14,555
1948	593,656	1,982,731	3.34	3.91	23,211
1949	536,351	1,815,342	3.38	3.89	20,854
1950	654,675	1,848,535	2.82	3.88	25,401
1951	732,459	2,097,404	2.86	3.21	23,520
1952	827,216	2,385,707	2.88	2.85	23,576
1953	879,534	2,227,637	2.53	2.63	23,132
1954	801,751	1,769,159	2.21	2.48	19,883
1955	945,385	1,747,080	1.85	1.97	18,624
1956	1,335,255	1,527,707	1.14	1.83	24,453
1957	1,090,180	1,613,143	1.48	1.84	20,107
1958	1,299,175	1,667,449	1.28	1.55	20,137
1959	1,225,914	1,370,159	1.12	1.71	20,963
1960	1,634,103	1,199,683	0.73	1.40	22,879
1961	1,779,312	1,459,636	0.82	1.28	22,775
1962	1,683,769	1,992,010	1.18	1.27	21,384
1963	1,662,644	2,695,691	1.62	1.40	23,277
1964	1,757,669	3,302,300	1.88	1.38	24,255
1965	1,749,813	3,204,960	1.83	1.35	23,622
1966	1,686,457	2,874,718	1.70	1.54	25,971
1967	1,809,530	3,254,376	1.80	1.47	26,600
1968	1,843,588	3,958,041	2.15	1.50	27,654
1969	1,934,284	4,215,550	2.18	1.54	29,788
1970	1,916,127	4,854,162	2.53	1.57	30,104
1971	1,979,013	5,052,536	2.55	1.58	31,268
1972	1,904,355	4,676,317	2.46	1.56	29,708
1973	2,373,469	5,857,846	2.47	1.32	31,330
1974	3,112,861	5,164,592	1.66	1.21	37,664

2-1 Bor 2-1-2 Bor Open pit (1924-1993)

			Bor Open Pit		
yr.	mined ore(t)	waste(t)	W/O	Cu (%)	Cu (t)
1975	3,431,014	6,907,747	2.01	1.11	38,031
1976	3,590,856	6,554,387	1.83	1.10	39,576
1977	3,723,548	8,730,016	2.34	0.96	35,597
1978	3,701,584	9,486,893	2.56	1.16	42,904
1979	3,169,132	7,559,920	2.39	1.07	33,982
1980	3,162,752	6,928,604	2.19	1.16	36,540
1981	3,300,602	7,658,461	2.32	0.94	31,096
1982	3,157,571	7,658,461	2.43	0.98	30,951
1983	3,326,608	5,512,802	1.66	0.77	25,764
1984	3,154,962	4,663,161	1.48	0.58	18,252
1985	2,645,510	3,690,148	1.39	0.82	21,795
1986	2,662,075	2,508,648	0.94	0.77	20,385
1987	1,602,505	3,811,429	2.38	0.72	11,492
1988	2,416,500	2,533,913	1.05	0.76	18,430
1989	2,964,948	436,706	0.15	0.85	25,083
1990	2,812,616	117,270	0.04	0.82	23,108
1991	2,102,045	50,874	0.02	0.69	14,584
1992	1,293,036	553,530	0.43	0.39	5,017
1993	202,511	0	0.00	0.24	489
-	95,799,627	171.176.926			1.342.716

95,799,627 171,176,926

1,342,716

			Veliki I	Krivelj		
yr.	mined ore(t)	waste(t)	total(t)	W/O	Cu (%)	Cu (t)
1979	0	7,254,353	7,254,353	-	-	-
1980	0	8,849,739	8,849,739	-	-	-
1981	0	7,884,029	7,884,029	-	-	-
1982	0	8,027,705	8,027,705	-	-	_
1983	3,213,810	10,169,425	13,383,235	3.16	0.49	15,907
1984	6,308,419	7,466,902	13,775,321	1.18	0.51	32,005
1985	8,263,650	9,273,885	17,537,535	1.12	0.47	39,131
1986	9,624,429	6,018,224	15,642,653	0.63	0.43	41,084
1987	9,406,675	4,200,333	13,607,008	0.45	0.43	40,409
1988	9,717,400	4,721,870	14,439,270	0.49	0.38	37,202
1989	9,699,150	9,062,545	18,761,695	0.93	0.33	32,382
1990	9,648,300	10,721,854	20,370,154	1.11	0.35	33,305
1991	9,779,930	6,237,895	16,017,825	0.64	0.38	37,538
1992	9,190,242	5,467,768	14,658,010	0.59	0.35	32,476
1993	8,596,350	2,668,889	11,265,239	0.31	0.35	29,947
1994	8,811,150	5,297,167	14,108,317	0.60	0.35	31,024
1995	8,861,545	6,562,810	15,424,355	0.74	0.36	31,573
1996	9,144,475	7,324,543	16,469,018	0.80	0.35	31,923
1997	9,261,700	8,103,328	17,365,028	0.87	0.36	33,109
1998	8,943,400	7,956,840	16,900,240	0.89	0.35	31,715
1999	8,434,950	3,362,231	11,797,181	0.40	0.34	28,734
2000	7,688,012	4,673,388	12,361,400	0.61	0.31	23,589
2001	4,673,839	3,424,041	8,097,880	0.73	0.32	15,096
2002	5,400,451	4,293,195	9,693,646	0.79	0.33	17,767
2003	4,198,147	1,511,911	5,710,058	0.36	0.30	12,678
2004	4,345,200	1,059,157	5,404,357	0.24	0.24	10,428
2005	4,328,697	928,775	5,257,472	0.21	0.24	10,389
2006	3,859,435	2,393,285	6,252,720	0.62	0.28	10,806

2-1 Bor 2-1-3 Veliki Krivelj (1979-2006)

	2-1 Bor
2-1-4	Majdanpek (1959-2006)

		Sout	h Pit				Nor	th Pit				Tota	l			difference
yr.	mined ore(t)	waste(t)	total (t)	W/O	Cu(%)	mined ore(t)	waste(t)	total (t)	W/O	Cu(%)	mined ore(t)	waste(t)	total (t)	W/O	miners	anterence
1959	ND	2,949,809	2,949,809	I	I	-	-	-	-	-	-	2,949,809	2,949,809	-		
1960	ND	7,300,695	7,300,695	I	1	-	-	-	-	-	-	7,300,695	7,300,695	-		
1961	938,965	7,803,469	8,742,434	8.31	0.81	-	-	-	-	-	938,965	7,803,469	8,742,434	8.31	ND	
1962	2,971,277	6,447,732	9,419,009	2.17	0.90	-	-	-	-	-	2,971,277	6,447,732	9,419,009	2.17	ND	
1963	3,494,579	6,556,729	10,051,308	1.88	0.92	-	-	-	-	-	3,494,579	6,556,729	10,051,308	1.88	ND	
1964	3,646,990	6,562,733	10,209,723	1.80	0.87	-	-	-	-	-	3,646,990	6,562,733	10,209,723	1.80	ND	
1965	3,679,796	7,666,915	11,346,711	2.08	0.84	-	-	-	-	-	3,679,796	7,666,915	11,346,711	2.08	ND	
1966	3,565,835	12,262,588	15,828,423	3.44	0.84	-	-	-	-	-	3,565,835	12,262,588	15,828,423	3.44	ND	
1967	3,681,292	22,019,243	25,700,535	5.98	0.83	-	-	-	-	-	3,681,292	22,019,243	25,700,535	5.98	ND	
1968	4,652,209	17,234,737	21,886,946	3.70	0.75	-	-	-	-	-	4,652,209	17,234,737	21,886,946	3.70	ND	
1969	6,238,145	19,347,315	25,585,460	3.10	0.72	-	-	-	-	-	6,238,145	19,347,315	25,585,460	3.10	ND	
1970	6,942,712	16,071,031	23,013,743	2.31	0.73	-	-	-	-	-	6,942,712	16,071,031	23,013,743	2.31	ND	
1971	7,793,138	, ,	26,094,518	2.35	0.70	-	-	-	-	-		18,301,380	, ,	2.35	ND	
1972		20,746,275	, ,	2.18	0.69	-	-	-	-	-	9,511,418	20,746,275	30,257,693	2.18	ND	
				2.24	0.63	-	-	-	-	-		25,196,514		2.24	ND	
1974	11,009,553	23,661,014	34,670,567	2.15	0.58	-	-	-	-	-	11,009,553	23,661,014	34,670,567	2.15	ND	
		31,216,072			0.57	-	-	-	-	-		31,216,072		2.64	ND	
	, ,	31,037,561	, ,		0.55	-	-	-	-	-	/ /	31,037,561	, ,	2.37	ND	
		31,012,503			0.56	-	562,753	562,753	-	-		31,575,256		2.34	ND	
	, ,	25,703,937	, ,	1.99	0.57	-	1,883,661	1,883,661	-	-	/ /	27,587,598	, ,	2.14	ND	
	12,999,553			1.34	0.55	-	53,345	53,345	-	-	/ /	17,519,016	, ,	1.35	2,761	
		21,550,148		1.61	0.48	-	0	0	-	-		21,550,148		1.61	2,913	152
		27,848,904		2.25	0.50	-	0	0	-	-		27,848,904		2.25	3,032	119
		29,641,565			0.54	-	0	0	-	-		29,641,565		2.35	3,232	200
	, ,	29,850,452	, ,	2.32	0.54	-	797,070	797,070	-	-		30,647,522		2.38	3,511	279
	, ,	26,076,336	, ,	2.06	0.56	-	3,361,237	3,361,237	-	-	, ,	29,437,573	, ,	2.32	3,631	120
		30,513,946			0.56	-	6,253,861	6,253,861	-	-		36,767,807		3.11	3,882	251
	, ,	31,699,374	, ,		0.51	-	4,828,226	4,828,226	-	-	, ,	36,527,600	, ,	3.23	3,928	46
		32,039,778			0.48	-	2,797,172	2,797,172	-	-		34,836,950		2.80	3,992	64
	, ,	26,868,464	, ,	2.02	0.47	-	2,661,536	2,661,536	-	-	, ,	29,530,000	, ,	2.22	4,007	15
		28,413,217		2.22	0.49	148,543	3,671,764		24.72	0.63		32,084,981		2.48		L
		31,868,833			0.48		5,864,357	8,338,447		0.54	, ,	37,733,190	, ,	2.86		
1991		25,392,362		2.62	0.40	3,326,360	6,368,058	9,694,418	1.91	0.62		31,760,420		2.44		
1992	, ,	17,826,228	, ,	2.68	0.43	, ,	, ,	19,162,953		0.48	, ,	32,410,780	, ,	2.88	3,556	-451
1993	6,166,384	, ,			0.31	1,849,206	4,942,179	6,791,385		0.49	, ,	14,266,260	, ,	1.78	3,521	-35
1994	5,611,259	1,634,393	, ,	0.29	0.44	570,741	7,033,607	7,604,348		0.38	6,182,000	, ,	14,850,000	1.40	3,280	-241
1995	4,771,170	1,901,103	, ,		0.37		, ,	16,287,727	5.77	0.45		15,781,754		2.20	3,199	-81
1996	4,197,100	1,991,526	6,188,626	0.47	0.34	, ,	, ,	15,384,664	5.53	0.34		15,019,700		2.29	3,165	-34
1997	1,454,539	6,438,952	7,893,491	4.43	0.28		13,645,048	18,954,619		0.41		20,084,000		2.97	3,162	-3
1998	2,170,920	, ,	10,552,140		0.32	, ,	, ,	16,527,890		0.39	, ,	20,318,310	, ,	3.00	3,111	-51
1999	2,393,729	, ,	12,278,725	4.13	0.34	1,905,861	3,205,559	5,111,420		0.37	, ,	13,090,555	, ,	3.04	3,020	-91
2000	0	, ,	10,552,573	-	-	2,240,590	4,498,417	6,739,007	2.01	0.24	, ,	15,050,990	, ,	6.72	2,918	-102
2001	0	1,047,700	, ,	-	-	544,200	1,310,430	1,854,630		0.26	544,200	, ,		4.33	2,767	-151
2002	517,900	2,727,300	, ,		0.61	352,100	280,700	632,800		0.28	870,000	, ,	3,878,000	3.46	1,397	-1,370
2003	676,700	918,000	, ,		0.34	171,300	113,000	284,300		0.24	848,000	, ,	1,879,000	1.22	1,345	-52
2004	770,000	595,000	, ,		0.35	205,000	479,000	684,000		0.24	975,000	, ,	2,049,000	1.10	1,324	-21
2005	944,000	535,000	, ,		0.38	156,000	322,000	478,000		0.30	1,100,000	857,000	1,957,000	0.78	1,279	-45
2006	1,109,500	619,000	1,728,500	0.56	0.38	220,500	252,000	472,500	1.14	0.31	1,330,000	871,000	2,201,000	0.65	1,220	-59

年		Cerovo														
+	mined ore(t)	waste (t)	W/O	Cu (%)	Cu(t)	Au(g/t)	Au(kg)	Ag(g/t)	Ag(kg)							
1991	0	1,605,164	_	-	_	_	_	_	_							
1992	0	3,966,536	_	-	_	_	_	_	_							
1993	938,965	4,533,922	4.83	0.24	2,216	0.06	59	0.33	314							
1994	2,971,277	3,447,255	1.16	0.76	22,727	0.20	580	1.34	3,982							
1995	3,494,579	4,511,833	1.29	0.53	18,479	0.12	431	1.28	4,478							
1996	3,646,990	2,867,828	0.79	0.48	17,482	0.11	416	1.67	6,081							
1997	3,679,796	1,745,832	0.47	0.47	17,411	0.09	334	1.32	4,871							
1998	3,565,835	843,606	0.24	0.45	15,991	0.11	392	1.43	5,106							
1999	3,681,292	345,560	0.09	0.31	11,342	0.11	395	1.31	4,807							
2000	4,652,209	320,380	0.07	0.16	7,325	0.06	293	1.01	4,694							
2001	1,429,828	338,150	0.24	0.32	4,615	0.12	176	1.80	2,569							
2002	1,202,230	252,440	0.21	0.34	4,125	0.16	192	1.93	2,317							

	2-1 Bor
2-1-5	Cerovo (1991-2002)

2-2 Lece

	mined ore		ore g	rade			metal i	n ore	
yr.	(t)	Pb(%)	Zn(%)	Au(g/t)	Ag(g/t)	Pb(t)	Zn(t)	Au(kg)	Ag(kg)
1938-1941	58,822	3.60	6.30	4.7-7.4	-	2,118	3,706	-	-
1953	26,723	2.16	4.18	5.80	16.00	577	1,117	155	428
1954	61,264	1.78	4.25	5.96	15.90	1,090	2,604	365	974
1955	71,218	1.98	4.39	7.23	19.80	1,410	3,126	515	1,410
1956	65,344	2.13	4.81	5.37	19.50	1,392	3,143	351	1,274
1957	79,138	2.05	4.61	5.32	19.60	1,622	3,648	421	1,551
1958	84,609	2.04	4.88	6.30	19.33	1,726	4,129	533	1,635
1959	84,370	1.78	4.69	5.60	17.50	1,502	3,957	472	1,476
1960	101,514	1.75	4.68	5.16	15.90	1,776	4,751	524	1,614
1961	98,539	2.03	5.20	4.63	17.07	2,000	5,124	456	1,682
1962	96,019	1.98	5.02	4.65	16.92	1,901	4,820	446	1,625
1963	95,970	1.94	4.27	5.87	17.55	1,862	4,098	563	1,684
1964	97,255	1.78	3.90	4.96	14.67	1,731	3,793	482	1,427
1965	93,841	1.47	3.41	3.85	12.15	1,379	3,200	361	1,140
1966	97,364	1.81	3.94	5.18	15.29	1,762	3,836	504	1,489
1967	81,235	1.78	3.89	4.75	15.70	1,446	3,160	386	1,275
1968	35,344	1.78	3.56	6.19	26.70	629	1,258	219	944
1969	50,702	1.68	3.52	3.21	13.75	852	1,785	163	697
1970	94,404	1.81	3.85	2.83	15.04	1,709	3,635	267	1,420
1971	94,350	1.64	3.50	2.78	15.34	1,547	3,302	262	1,447
1972	99,454	1.69	3.55	2.79	16.41	1,681	3,531	277	1,632
1973	94,579	1.42	2.98	2.40	15.07	1,343	2,818	227	1,425
1974	85,530	1.45	3.07	2.42	13.69	1,240	2,626	207	1,171
1975	70,589	1.45	3.19	2.62	16.25	1,024	2,252	185	1,147
1976	51,715	1.16	2.22	3.12	19.84	600	1,148	161	1,026
1977	81,615	1.20	2.47	3.85	20.09	979	2,016	314	1,640
1978	65,151	0.85	2.10	3.03	22.92	554	1,368	197	1,493
1979	50,467	1.00	2.16	2.58	18.92	505	1,090	130	955
1980	63,633	1.24	2.64	2.29	13.98	789	1,680	146	890
1981	65,678	0.96	1.92	1.80	13.27	631	1,261	118	872
1982	62,144	1.01	2.46	1.81	13.35	628	1,529	112	830
1983	53,279	1.20	2.27	1.92	13.52	639	1,209	102	720
1984	74,895	1.14	2.23	1.90	15.50	854	1,670	142	1,161
1985	85,498	1.04	2.07	2.65	17.33	889	1,770	227	1,482
1986	76,820								
1987	84,050								
1988	92,530								
1989	85,864								
1990	74,573								
1991	56,791								
1992	40,067								
1993	5,902								
1994	5,960								
1995	10,793								
1996	43,500								
1997	55,602								
1998	60,000								
1999	23,000								
2000	7,800								
2001	12,431								

2-3 Rudnik (1988-2006)

	mined ore		ore	rade			metal	in ore		Pb-conc	Pb grade	Ag grade	Pb in conc	Ag in conc	Zn-conc	Zn grade	Zn in conc	Cu-conc	Cu grade	Cu in conc
yr.	(t)	Pb(%)	Zn(%)	Cu(%)	Ag(g/t)	Pb(t)	Zn(t)	Cu(t)	Ag(kg)	(t)	(%)	(g/t)	(t)	(kg)	(t)	(%)	(t)	(t)	(%)	(t)
1988	240,300	1.95	2.00	0.23	53	4,686	4,806	553	12,736	5,910	73.15	1,697	4,323	10,029	8,180	46.96	3,841	ND	19.50	ND
1989	231,030	2.12	2.07	0.26	53	4,898	4,782	601	12,245	6,350	74.35	1,607	4,721	10,204	7,635	48.41	3,696	ND	16.06	ND
1990	213,000	2.06	1.84	0.24	68	4,388	3,919	511	14,484	5,570	75.15	2,174	4,186	12,109	6,650	48.48	3,224	ND	16.54	ND
1991	225,000	1.99	1.89	0.25	54	4,478	4,253	563	12,150	5,269	75.44	1,863	3,975	9,816	6,650	48.95	3,255	ND	17.36	ND
1992	92,069	2.23	2.25	0.26	49	2,053	2,072	239	4,511	2,243	75.21	1,424	1,687	3,194	3,305	46.58	1,539	ND	16.34	ND
1993	29,210	2.40	2.54	0.21	53	701	742	61	1,548	815	72.42	1,731	590	1,411	1,145	44.63	511	ND	11.93	ND
1994	0									0					0			0		ND
1995	105,913	2.15	1.99	0.18	50	2,277	2,108	191	5,296	2,735	74.25	1,684	2,031	4,606	3,665	46.79	1,715	ND	ND	ND
1996	208,901	1.93	1.72	0.28	60	4,032	3,593	585	12,534	5,025	ND	ND	ND	ND	5,780	ND	ND	1,485		ND
1997	207,146	1.80	1.73	0.34	70	3,729	3,584	704	14,500	4,460	74.07	ND	3,304	ND	6,040	46.97	2,837	1,920	19.39	372
1998	211,085	1.61	1.60	0.31	62	3,398	3,377	654	13,087	4,185	73.46	ND	3,074	ND	5,785	46.56	2,693	1,605	18.50	297
1999	173,235	1.58	1.66	0.30	60	2,737	2,876	520	10,394	3,402	72.90	ND	2,480	ND	5,015	46.75	2,345	1,245	19.74	246
2000	192,897	1.48	1.59	0.25	63	2,855	3,067	482	12,153	3,535	72.96	ND	2,579	ND	5,205	47.91	2,494	1,175	21.28	250
2001	195,906	1.46	1.63	0.34	80	2,860	3,193	666	15,672	3,561	73.02	ND	2,600	ND	5,581	46.31	2,585	2,005	21.45	430
2002	181,089	1.42	1.53	0.24	ND	2,571	2,771	435	ND	3,246	73.76	ND	2,394	ND	4,690	48.06	2,254	1,208	22.49	272
2003	104,980	1.46	1.50	0.16	ND	1,533	1,575	168		1,855	75.98	ND	1,409	ND	2,490	47.99	1,195	415	20.58	85
2004	111,240	1.45	1.65	0.17	ND	1,613	1,835	189		1,935	75.22	ND	1,456	ND	3,205	47.47	1,521	459	18.88	87
2005	162,481	1.62	1.76	0.26	ND	2,632	2,860	422	ND	3140	74.59	ND	2,342	ND	4870	46.73	2,276	1,040	19.99	208
2006	171,769	1.60	1.62	0.32	ND	2,748	2,783	550	ND	3333	73.74	ND	2,458	ND	4446	47.47	2,111	1,550	19.56	303

2-4	Grot (1974-2	006)
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	mined ore	ore g	rade	metal	in ore	Pb-conc.	Pb grade	Pb in conc.	Zn-conc.	Zn grade	Zn in conc.
yr.	(t)	Pb(%)	Zn(%)	Pb(t)	Zn(t)	(t)	(%)	(t)	(t)	(%)	(t)
1974	26,300	2.03	2.96	534	778	652	67.50	440	1,075	54.50	586
1975	125,550	2.57	2.95	3,227	3,704	4,050	67.40	2,730	5,300	54.49	2,888
1976	179,208	2.32	2.65	4,158	4,749	4,200	71.53	3,004	6,170	53.10	3,276
1977	252,362	2.32	2.67	5,855	6,738	6,000	73.23	4,394	9,170	50.68	4,647
1978	254,148	2.42	2.67	6,150	6,786	6,792	72.77	4,943	10,600	51.98	5,510
1979	273,119	2.86	2.75	7,811	7,511	8,437	72.91	6,151	11,076	52.61	5,827
1980	291,375	2.57	2.33	7,488	6,789	7,769	71.52	5,556	9,103	52.89	4,815
1981	258,161	2.87	2.51	7,409	6,480	8,200	71.31	5,847	9,254	53.77	4,976
1982	272,636	3.02	2.61	8,234	7,116	9,993	69.94	6,989	10,596	52.22	5,533
1983	273,508	2.91	2.39	7,959	6,537	9,437	69.19	6,529	9,922	51.00	5,060
1984	273,555	2.64	2.31	7,222	6,319	8,658	70.77	6,127	10,161	50.08	5,089
1985	271,324	2.78	1.97	7,543	5,345	9,186	70.28	6,456	8,326	50.27	4,185
1986	281,109	3.01	2.22	8,701	6,241	10,625	71.27	7,572	9,868	50.98	5,031
1987	265,183	3.00	2.51	7,955	6,656	10,159	69.64	7,075	10,460	50.02	5,232
1988	258,480	3.00	2.64	7,754	6,824	9,892	68.26	6,752	10,916	49.23	5,374
1989	259,353	2.94	2.90	7,625	7,521	9,240	69.93	6,462	12,085	48.48	5,859
1990	253,644	3.13	2.40	7,939	6,087	9,359	70.76	6,622	10,068	48.39	4,872
1991	211,539	3.70	2.72	7,827	5,754	9,400	70.80	6,655	9,939	47.41	4,712
1992	172,984	3.15	2.19	5,449	3,788	6,643	69.23	4,599	6,134	47.40	2,908
1993	64,968	3.88	2.49	2,521	1,618	3,074	70.67	2,172	2,488	48.41	1,204
1994	78,992	2.92	1.67	2,307	1,319	2,571	70.87	1,822	2,009	47.09	946
1995	29,208	2.30	1.49	672	435	746	69.91	522	579	48.39	280
1996	61,368	3.49	1.94	2,142	1,191	2,635	69.92	1,842	1,800	46.53	838
1997	56,505	2.72	2.80	1,537	1,582	1,931	67.60	1,305	2,800	47.00	1,316
1998	87,400	2.25	2.37	1,967	2,071	2,272	69.59	1,581	3,428	48.22	1,653
1999	34,000	3.52	2.46	1,197	836	1,505	68.80	1,035	1,280	46.92	601
2000	28,000	2.25	2.37	630	664	785	69.10	542	1,111	47.50	528
2001	75,816	2.10	3.00	1,592	2,274	1,823	71.00	1,294	3,144	51.84	1,630
2002	82,821	2.03	2.71	1,681	2,244	1,851	75.68	1,401	3,672	51.84	1,904
2003	81,412	4.49	4.72	3,655	3,843	4,095	75.08	3,075	6,440	50.27	3,237
2004	104,880	3.94	5.30	4,132	5,559	4,716	75.99	3,584	9,388	50.27	4,719
2005	85,500	3.69	5.00	3,155	4,275	3,510	76.50	2,685	7,040	51.51	3,626
2006	94,938	2.46	3.16	2,335	3,000	2,525	74.51	1,881	4,876	50.82	2,478

	mined ore	ore g	grade	metal	in ore	Pb-conc	Pb grade	Pb in conc	Zn-conc	Zn grade	Zn in conc
yr.	(t)	Pb(%)	Zn(%)	Pb(t)	Zn(t)	(t)	(%)	(t)	(t)	(%)	(t)
1984	17,309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1985	12,185	ND	ND	ND	ND	160	22.64	36	265	36.10	96
1986	52,428	1.28	3.01	671	1,578	560	51.28	287	1,536	44.85	689
1987	133,356	1.68	3.39	2,240	4,521	1,666	63.29	1,054	5,832	47.78	2,787
1988	175,152	1.59	3.40	2,785	5,955	2,598	67.77	1,761	9,315	51.83	4,828
1989	176,792	2.01	3.99	3,554	7,054	2,516	67.71	1,704	8,639	53.05	4,583
1990	109,248	1.64	3.20	1,792	3,496	2,285	67.13	1,534	6,060	53.22	3,225
1991	155,903	1.81	3.35	2,822	5,223	3,262	68.37	2,230	8,761	54.58	4,782
1992	171,085	1.89	3.17	3,234	5,423	4,151	66.89	2,777	9,378	53.05	4,975
1993	137,785	1.77	3.11	2,439	4,285	3,167	62.49	1,979	7,360	50.39	3,709
1994	103,470	1.72	2.99	1,780	3,094	1,339	52.47	703	3,844	47.33	1,819
1995	100,246	1.57	3.05	1,574	3,058	1,744	58.25	1,016	4,641	48.48	2,250
1996	112,876	1.78	3.18	2,009	3,589	2,565	64.13	1,645	6,187	50.84	3,145
1997	108,635	1.87	3.25	2,031	3,531	2,518	67.92	1,710	586	51.15	300
1998	140,820	1.50	2.96	2,112	4,168	2,693	64.13	1,727	6,905	50.18	3,465
1999	62,308	1.41	2.98	879	1,857	2,693	64.13	1,727	6,905	50.18	3,465
2000	78,783	1.21	2.68	953	2,111	2,693	64.13	1,727	6,905	50.18	3,465
2001	93,616	1.29	2.77	1,208	2,593	2,693	64.13	1,727	6,905	50.18	3,465

2-5 Suva Ruda (1984-2001)

N.B. Data of 1984 to 1987 were attained from the Suva Ruda Mining Co. Ltd., others were data from Trepca, ND means

2-6	Veliki	Majdan	(1953-2001)
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	mined ore	ore g	rade	metal	in ore	Pb-conc	Pb grade	Pb in conc	Zn-conc	Zn grade	Zn in conc
yr.	(t)	Pb(%)	Zn(%)	Pb(t)	Zn(t)	(t)	(%)	(t)	(t)	(%)	(t)
1953	18,884	9.83	7.95	1,856	1,510	1,672	65.49	1,095	1,185	47.43	562
1954	26,582	7.19	6.99	1,000	1,858	2,460	66.71	1,641	1,965	48.19	947
1955	27,336	6.87	5.23	1,877	1,429	2,620	64.73	1,696	2,087	46.67	974
1956	26,147	5.97	5.23	1,562	1,386	2,156	64.24	1,385	2,134	48.31	1,031
1957	28,817	6.52	4.46	1,878	1,286	2,729	66.21	1,807	2,068	46.81	968
1958	32,970	6.17	5.40	2,034	1,781	2,780	68.71	1,910	2,422	47.81	1,158
1959	33,139	5.57	5.65	1,845	1,871	2,432	69.61	1,693	2,371	48.38	1,147
1960	34,465	5.81	4.65	2,003	1,602	2,634	70.65	1,861	2,094	48.09	1,007
1961	30,203	5.65	5.75	1,707	1,736	2,163	70.87	1,533	2,179	48.42	1,055
1962	43,170	5.85	5.38	2,524	2,324	3,205	70.51	2,260	3,194	48.34	1,544
1963	41,204	5.92	5.56	2,439	2,290	3,074	73.32	2,254	3,374	48.90	1,650
1964	41,631	6.11	5.45	2,545	2,270	3,090	75.02	2,318	3,476	50.12	1,742
1965	40,197	5.50	4.97	2,211	1,996	2,657	73.88	1,963	2,795	49.52	1,384
1966	40,013	5.95	5.01	2,381	2,003	2,619	74.46	1,950	2,733	51.34	1,403
1967	44,401	5.01	3.36	2,224	1,490	2,816	70.67	1,990	2,140	50.28	1,076
1968	50,520	4.73	3.12	2,390	1,576	3,448	65.81	2,269	2,170	48.29	1,048
1969	56,160	4.82	3.02	2,707	1,696	3,804	65.62	2,496	2,305	51.41	1,185
1970	55,275	4.51	2.52	2,493	1,393	3,375	58.99	1,991	1,658	48.37	802
1971	51,890	4.26	3.02	2,211	1,567	2,894	62.92	1,821	2,291	46.62	1,068
1972	37,622	4.40	3.36	1,655	1,264	2,089	64.53	1,348	1,942	47.12	915
1973	52,614	4.72	4.12	2,483	2,168	3,412	55.13	1,881	3,259	43.48	1,417
1974	49,459	4.63	4.64	2,290	2,295	3,531	53.58	1,892	3,576	41.78	1,494
1975	54,111	3.93	3.73	2,127	2,018	3,427	49.40	1,693	2,891	63.61	1,839
1976	55,245	3.71	2.81	2,049	1,554	3,084	56.87	1,754	2,282	43.82	1,000
1977	46,413	3.78	3.48	1,756	1,614	2,488	56.47	1,405	2,400	46.08	1,106
1978	53,162	3.46	3.27	1,838	1,740	2,598	57.93	1,505	2,636	46.17	1,217
1979	52,114	2.63	1.87	1,373	972	1,810	60.44	1,094	1,370	45.26	620
1980	45,200	2.97	2.37	1,342	1,071	1,720	61.45	1,057	1,395	45.45	634
1981	44,880	2.73	2.34	1,225	1,050	1,679	61.17	1,027	1,762	48.35	852
1982	45,200	2.86	2.79	1,293	1,261	ND	ND	ND	ND	ND	ND
1983	46,970	3.13	3.09	1,470	1,451	ND	ND	ND	ND	ND	ND
1984	46,190	3.04	2.33	1,404	1,076	ND	ND	ND	ND	ND	ND
1985	49,170	3.42	2.72	1,682	1,337	ND	ND	ND	ND	ND	ND
1986	42,230	3.82	3.04	1,613	1,284	ND	ND	ND	ND	ND	ND
1987	40,240	4.37	3.32	1,758	1,336	ND 0.100	ND 67.06	ND	ND	ND 49.73	ND
1988 1989	43,790 44,250	3.61 3.74	2.78	1,581 1,655	1,217 1,168	2,120 2,246	67.36 66.34	1,428 1,490	2,029	49.73	1,009 981
1989		4.00	2.64 2.89	1,035	973	1,769		1	<u>1,982</u> 1,667	49.50	815
1990	33,680 30,958	3.85	3.22	1,192	973	1,634	69.02 67.14	1,221 1,097	1,659	48.89	818
1992	32,851	4.53	3.71	1,132	1,219	1,034	70.19	1,356	1,005	49.95	982
1993	19,356	4.00	4.00	774	774	921	65.15	600	919	49.95	437
1994	11,672	4.99	3.70	583	432	711	67.93	483	700	53.00	371
1995		4.99	4.10	1,568	1,288	2,083	68.31	1,423	2,148	50.93	1,094
1996	28,360	4.72	3.43	1,339	973	1,480	72.97	1,080	1,544	49.81	769
1997	22,377	4.31	3.68	964	823	1,118	71.29	797	1,204	49.58	597
1998		3.70	3.27	1,122	991	1,368	71.35	976	1,554	48.65	756
1999	11,102	3.48	2.74	386	304	518	ND	ND	469	ND	ND
2000		55				233	ND	ND	111	ND	ND
2001	4,888					326	ND	ND	245	ND	ND
	註)精鉱の	1987年ま	でのデー	々は鉱山	で入手						

註)精鉱の1987年までのデータは鉱山で入手、1988年以降のデータはMEMから入手

year	Drmno	Cirikivac etc.	total
1976		31,601	31,601
1977		211,041	211,041
1978		146,903	146,903
1979		133,831	133,831
1980		1,024,364	1,024,364
1981		1,885,205	1,885,205
1982		2,286,832	2,286,832
1983		2,514,391	2,514,391
1984		2,461,630	2,461,630
1985		2,234,209	2,234,209
1986		1,964,949	1,964,949
1987	47,150	2,375,511	2,422,661
1988	1,452,319	2,218,462	3,670,781
1989	2,288,585	2,114,923	4,403,508
1990	2,913,295	1,745,796	4,659,091
1991	869,216	1,898,107	2,767,323
1992	3,061,195	1,140,931	4,202,126
1993	3,072,126	1,236,678	4,308,804
1994	3,642,992	1,486,933	5,129,925
1995	3,724,909	1,298,362	5,023,271
1996	3,488,059	1,386,178	4,874,237
1997	4,458,529	1,182,889	5,641,418
1998	5,468,650	1,037,594	6,506,244
1999	4,413,033	1,184,669	5,597,702
2000	4,783,071	458,161	5,241,232
2001	4,285,541	824,130	5,109,671
2002	4,285,131	1,108,890	5,394,021
2003	5,238,354	955,377	6,193,731
2004	5,635,761	686,483	6,322,244
2005	6,044,144	705,829	6,749,973
2006	6,306,125	490,787	6,796,912

2-7 Kostolac (1976-2006)

3(1) Table structures for mineral deposit database

Field Name	Data Type	Length	Content	Examples
DENTIFIANT	text	50	Identifying features of the deposit	YUG-00023
COMPAGNIE	text	50	Name of the titleholder of the permit or mine	Falcon Gold Zimbabwe Ltd
D_COMPAGNIE	long integer			
PROVINCE	text	80	Mineral province or district of the deposit	Kosovo
STATUT	text	50	State of the deposit (under development, etc.)	B30
ONGITUDE	double		Longitude of a point of the deposit in decimal degrees	20.
ATITUDE	double		Latitude of a point of the deposit in decimal degrees	42.
UB-PRINCIPALE	text	10	Principle material	PbZn
/ERIF_COORDONNEES	YES/NO		Key words for signifying whether or not the coordinates of the deposit have been verified	
REDACTEUR	text	50	Name of the person providing information on the deposit	J.Monthel
DATE_REDACTION	Date/Time		Data automatically provided by the system when the name of the user is given	2000
/ERIFICATEUR	text	50	Name of person verifying information about the deposit	J.Monthel 2001
DATE_VERIFICATION	Date/Time	50	Date automatically given by the system when the name of the verifier is given.	2001
ADMINISTRATEUR	text	50	Name of the person in charge of the database	
DATE_DECLANCHEMENT JBERTE	Date/Time Memo		Date when the administrator of the base declares transparency of the data Free area for writing comments	"In 1982 : reserves of at least 50 Mt
CommentaireEnviron	Memo		Free area for writing comments	The primary mineralization is mainly
Sommemaneenviron	Mento		The area for writing comments	The primary mineralization is manny
The server MORBHOLOGIE				
Fable name: MORPHOLOGIE Field Name	Data Type	Length	Content	Examples
DENTIFIANT	text	50	Identifying features of the deposit	YUG-00023
MORPHOLOGIE	text	50	Morphology of the deposit	B10
DRDRE	long integer	50	Order of importance of the morphology	510
, and the	Tong mogor		orea of antionality of an antiparticity	
Table name: EXPLOITATION	I.D. T			
Field Name	Data Type	Length	Content	Examples
DENTIFIANT	text	50	Identifying features of the deposit	YUG-00023
YPE	text	50	Type of development of the deposit	UG
DRDRE	long integer		Order that allows the determination of the most commonly used name	
able name: GITOLOGIE				
Field Name	Data Type	Length	Content	Examples
DENTIFIANT	text	50	Identifying features of the deposit	YUG-00023
TYPE	text	50	Family, type or sub-type	C73
DRDRE	long integer		Order which allows the determination of the order within the type	
able name: NOMS	_			
Field Name	Data Type	Length	Content	Examples
DENTIFIANT	text	Lengin 50	Identifying features of the deposit	YUG-00023
DENTIFIANT	long integer	50	Order that allows the most commonly used name to be determined	100-00025
IOM	text	100	Name by which the deposit is known	Stari Trg
	1	100		e e
able name: ALTERATIONS_HYDROTHE				
Field Name	Data Type		Content	Examples
DENTIFIANT	text	50	Identifying features of the deposit	YUG-00023
ALTERATIONS_HYDROTHERMALES	text	50	Hydrothermal alteration Order of importance of the hydrothermal alteration	A04
JRDRE	long integer		Order of importance of the hydrothermal alteration	
Table name: GEOLOGIE				
Field Name	Data Type	Length	Content	Examples
DENTIFIANT	text	50	Identifying features of the deposit	YUG-00023
AGE_STRATI_MINERALISATION	text	50	Stratigraphic age of the mineralization	NI
AGE_ABSOLU_MINERALISATION	single		This is the absolute age of the mineralization obtained with a dating method	
METHODE_DATATION_MINE	text	50	Method used to determine absolute age	
	double		Error committed during the determination of the absolute age	
RREUR_MINERALISATION			Unit with which the absolute age or the age bracket is expressed	
JNITE_DATATION_MINE	text	50		0.7
JNITE_DATATION_MINE AGE_STRATI_ENCAISSANT	text text	50 50	Stratigraphic age of the outcrop	PZ
JNITE_DATATION_MINE AGE_STRATI_ENCAISSANT AGE_ABSOLU_ENCAISSANT	text text double	50	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method	PZ
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT METHODE_DATATION_ENCA	text text double text		Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age	PZ
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT METHODE_DATATION_ENCA IRREUR_ENCAISSANT	text text double text double	50 50	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age	PZ
INITE_DATATION_MINE GG_STRATI_ENCAISSANT GG_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA	text text double text double text	50 50 50	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed	PZ
INITE_DATATION_MINE GG_STRATL_ENCAISSANT GG_ABSOLU_ENCAISSANT IETHODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA GG_STRATL_USGS	text double text double text text text	50 50 50 100	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS)	PZ
INTE_DATATION_MINE GGE_STRATI_ENCAISSANT VGE_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA IRREUR_ENCAISSANT MITE_DATATION_ENCA VGE_STRATI_USGS VGE_MINE_USGS	text text double text double text	50 50 50	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed	PZ
INITE_DATATION_MINE VGE_STRATI_ENCAISSANT GGE_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA GGE_STRATI_USGS GGE_MINE_USGS	text text double text double text text text text	50 50 50 100	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS)	PZ
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT GG_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA GG_STRATI_USGS IGE_MINE_USGS able name: NOMS_UNITES_ENCAISSAN	text text double text text text text TES	50 50 50 100 100	Stratigraphic age of the outcrop This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS)	
INITE_DATATION_MINE GG_STRATLENCAISSANT IGE_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA GG_STRATLUSGS GG_MINE_USGS 'able name: NOMS_UNITES_ENCAISSAN Field Name	text text double text double text text text text text text text TES Data Type	50 50 50 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content	Examples
INITE_DATATION_MINE KGE_STRATI_ENCAISSANT GGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA GGE_STRATI_USGS GGE_MINE_USGS Field Name DENTIFIANT	text text double text text text text TES Data Type text	50 50 50 100 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit	Examples YUG-00023
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA IGE_STRATI_USGS IGE_MINE	text text double text text text text TES Data Type text text	50 50 50 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit Name of the outcrop unit	Examples
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA IGE_STRATI_USGS IGE_MINE	text text double text text text text TES Data Type text	50 50 50 100 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit	Examples YUG-00023
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA IGE_STRATI_USGS IGE_MINE	text text double text text text text TES Data Type text text	50 50 50 100 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit Name of the outcrop unit	Examples YUG-00023
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT GG_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA GG_STRATI_USGS IGE_MINE_USGS able name: NOMS_UNITES_ENCAISSAN	text text double text text text text TES Data Type text text	50 50 50 100 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit Name of the outcrop unit	Examples YUG-00023
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRREUR_ENCAISSANT INITE_DATATION_ENCA IGE_STRATI_USGS IGE_MINE_USGS IABle name: NOMS_UNITES_ENCAISSAN Field Name DENTIFIANT IOMS IRDRE	text text double text text text text TES Data Type text text	50 50 50 100 100 100 50 50	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit Name of the outcrop unit	Examples YUG-00023
INITE_DATATION_MINE KGE_STRATI_ENCAISSANT GGE_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA INITE_DATATION_ENCA GGE_MINE_USGS GGE_MINE_USGS Field Name DENTIFIANT OMS DENTIFIANT DENTIFIAN	text text double text text text text text text text te	50 50 50 100 100 100	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Identifying feature of the deposit Name of the outcrop unit Order of imporance of the name	Examples YUG-00023 Ordovician to Silurian marble
INITE_DATATION_MINE IGE_STRATI_ENCAISSANT IGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRERUR_ENCAISSANT INITE_DATATION_ENCA GGE_STRATI_USGS GGE_MINE_USGS Teid Name DENTIFIANT IGESTRATE_ENCAISSANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT	text text double text text text text text text text te	50 50 100 100 50 50 50	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Content Identifying feature of the deposit Name of the outcrop unit Order of imporance of the name Content	Examples YUG-00023 Ordovician to Silurian marble Examples
INITE_DATATION_MINE GG_STRATLENCAISSANT IGE_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA IREBUR_ENCAISSANT INITE_DATATION_ENCA GG_STRATLUSGS IGE_STRATLUSGS	text text double text double text text text text text text text te	50 50 50 100 100 100 50 50 50 50	Stratigraphic age of the outcrop. This is the absolute age the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Stratigraphic age of the deposit Name of the outcrop unit Order of importance of the name Content Identifying features of the deposit Name of the outcrop unit Order of importance of the amme	Examples YUG-00023 Ordovician to Silurian marble Examples YUG-00023
INITE_DATATION_MINE GG_STRATLENCAISSANT IGE_ABSOLU_ENCAISSANT AETHODE_DATATION_ENCA IREBUR_ENCAISSANT INITE_DATATION_ENCA GG_STRATLUSGS IGE_STRATLUSGS	text text double text double text text text text text text text te	50 50 50 100 100 100 50 50 50 50	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Stratigraphic age of the deposit Identifying feature of the deposit Name of the outcrop unit Order of importance of the name Content Identifying features of the deposit Lithology of the deposit outcrop	Examples YUG-00023 Ordovician to Silurian marble Examples YUG-00023
INITE_DATATION_MINE UGE_STRATI_ENCAISSANT GGE_ABSOLU_ENCAISSANT AETHIODE_DATATION_ENCA IRERUR_ENCAISSANT INITE_DATATION_ENCA GGE_STRATI_USGS GGE_MINE_USGS Table name: NOMS_UNITES_ENCAISSAN Field Name DENTIFIANT INITE_PICAISSANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT Field Name DENTIFIANT ITHOLOGIE IRDRE	text text double text double text text text text text text text te	50 50 50 100 100 100 50 50 50 50	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the mineralization (according to USGS) Stratigraphic age of the deposit Identifying feature of the deposit Name of the outcrop unit Order of imporance of the name Content Identifying features of the deposit Lithology of the deposit outcrop	Examples YUG-00023 Ordovician to Silurian marble Examples YUG-00023
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INITE_DATATION_MINE GGE_STRATLENCAISSANT INITE_DATATION_ENCA IREBUR_ENCAISSANT INITE_DATATION_ENCA GGE_STRATLUSGS INITE_USGS INITE_USGS INITE_USGS INITE_SENCAISSANT Field Name DENTIFLANT Field Name DENTIFLANT Field Name DENTIFLANT Field Name DENTIFLANT ITHOLOGIE IRDRE INITE_SENCAISSANT Field Name DENTIFLANT Field Name DENTIFLANT Field Name DENTIFLANT Field Name DENTIFLANT Field Name DENTIFLANT THOLOGIE INFOLOGIE IN	text text double text double text text text text text text text TES Data Type text long integer Data Type text text long integer text text text text text text text te	50 50 100 100 50 50 50 50 50 50	Stratigraphic age of the outcrop. This is the absolute age of the outcrop, obtained with a dating method Method used to determine absolute age Error committed during the determination of the absolute age Unit with which the absolute age or the age bracket is expressed Stratigraphic age of the outcrop (according to USGS) Stratigraphic age of the enterop (according to USGS) Identifying features of the deposit Name of the outcrop unit Order of importance of the name Content Identifying features of the deposit Lithology of the deposit Lithology of the deposit Lithology of the deposit Content Identifying features of the deposit Content Identifying features of the deposit Order of importance of the inhology Order of importance of the lithology	Examples YUG-00023 Ordovician to Siturian marble Examples YUG-00023 MDET97 Examples
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ESPAGNOL	text	50	Class in Spanish	Clase A
DEF_FRANCAIS	text	50	Description of the class in French	Très grand gisement
DEF_ANGLAIS	text	50	Description of the class in English	Very large deposit
DEF_ESPAGNOL	text	50	Description of the class in Spanish	Yacimiento muy grande
able name: REFERENCE_CLASSIFIC	CATION RESSOURC	E		
Field Name		Length	Content	Examples
D	text	50	ID for classification of resource	111
RANCAIS	text	100	Classification of resource in French	Réserve minérale prouvée par l'étude
ANGLAIS	text	100	Classification of resource in English	Proved mineral reserve determined by
ESPAGNOL	text	100	Classification of resource in English	Reserva mineral probada por el estudio
STAGROE	licat	100	classification of resource in Spanish	reserva ninerar probada por er estudio
Subject: REFERENCE_GITOLOGIE	same as the tab	le used in	"District database"	
Subject: REFERENCE_LITHOLOGIE	same as the tabl	le used in	"District database"	
Table name: REFERENCE_METHODE	DATATION			
Field Name	Data Type	Length	Content	Examples
ID	text	255	ID for dating method	A10
PERE	text	255		A
FRANCAIS	text	255	Dating method in French	Datation directe par géochronologie
		255		
ANGLAIS	text	255	Dating method in English	Direct dating by geochronology
SPAGNOL	text	255	Dating method in Spanish	Datación directa por geocronología
	0.018			
Table name: REFERENCE_MINERALC		Longth	Content	Evenueles
Field Name		Length		Examples
	text	50	ID for mineral	M003
ERE	text	50		M027
RANCAIS	text	50	Mineral in French	Actinote
NGLAIS	text	50	Mineral in English	Actinolite
SPAGNOL	text	50	Mineral in Spanish	Actinota
ORMULE	text	100	Chemical formula of mineral	Ca2(Mg,Fe)5Si8O22(OH)2
		100		
able name: REFERENCE_MINERALC	OGIE			
Field Name		Length	Content	Examples
D	text	50	ID for morphology	All
ERE		50	TD for morphology	All
	text		Man Laborator Provide	
RANCAIS	text	150	Morphology in French	Couche stratoïde (mono ou multi-couche
ANGLAIS	text	150	Morphology in English	Stratabound bed (single or multi-layered)
SPAGNOL	text	150	Morphology in Spanish	Capa estratoligada (uno o varios niveles)
able name: REFERENCE_NATURE_N	MINERAI			
Field Name		Length	Content	Examples
D	text	50	ID for feature of deposit	A10
PERE	text	50		A
RANCAIS	text	100	Feature of deposit in French	Minerai à élément natif
ANGLAIS	text	100	Feature of deposit in English	Native-element ore
ESPAGNOL	text	100	Feature of deposit in Spanish	Mena con mineral nativo
			"District database"	
Subject: REFERENCE_PAYS	same as the tabl	ie used in	District database	
			Chine and	
	Deta Trans	Longth	Content	Emmin
able name: REFERENCE_STATUT Field Name	Data Type	Length		Examples
Field Name	Data Type text	Length 50	ID for status of deposit A: provinces, B: deposit, C: prospect,	Examples B10
Field Name D	text	50		
Field Name D PERE	text	50 50	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status	В10 В
Field Name D ERE RANCAIS	text text text	50 50 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French	B10 B Gisement en activit
Field Name D ERE RANCAIS INGLAIS	text	50 50 100 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status	В10 В
Field Name D TERE RANCAIS ANGLAIS	text text text	50 50 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French	B10 B Gisement en activit
Field Name D PERE RANCAIS INGLAIS SPAGNOL	text text text text text	50 50 100 100 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English	B10 B Gisement en activit Producing deposit
Field Name D ERE RANCAIS NAGLAIS SPAGNOL subject: REFERENCE_STRATIGRAPH	text text text text text text HIE same as the tabl	50 50 100 100 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish	B10 B Gisement en activit Producing deposit
Field Name D TERE RANCAIS UNGLAIS UNGLAIS SPAGNOL Subject: REFERENCE_STRATIGRAPH Subject: REFERENCE_SUBSTANCE Table name: REFERENCE_TYPE_EXP	text text text text text text text HIE same as the tabl same as the tabl	50 50 100 100 100 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in English "District database"	B10 B Gisement en activit Producing deposit Yacimiento en produccion
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPF ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name	text text text text text text text text	50 50 100 100 100 100 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database"	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion
Field Name D ERE RANCAIS NIGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D	text text text text text text text text	50 50 100 100 100 100 100 100 Le used in Length 50	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in English "District database"	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in Egalish Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type Exploitation type in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS Drugage par roue à godets, roue-pelle
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubjeet: REFERENCE_STRATIGRAPH ubjeet: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubjeet: REFERENCE_STRATIGRAPH ubjeet: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type Exploitation type in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS Drugage par roue à godets, roue-pelle
Field Name D ERE RANCAIS NIGLAIS SPAGNOL Ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_DA	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging
Field Name D ERE RANCAIS NGLAIS sPAGNOL ubject: REFERENCE_STRATIGRAPF ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging
Field Name D ERE RANCAIS INGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS INGLAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name	text text text text text text text text	50 50 100 100 100 100 100 100 50 50 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in English Exploitation type in Spanish	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D D	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in English Exploitation type in Spanish Content ID for unit of dating	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion Yacimiento en produccion SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Ma
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS SPAGNOL SERE RANCAIS	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in Ergnish Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type in Exploitation type in Spanish Exploitation type in Spanish Exploitation type in Spanish District database Content ID for unit of dating Content ID for dating in French	B 10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Examples Ma Maillion d'années
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL Pield Name D RANCAIS NGLAIS	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in English Exploitation type in Spanish Content ID for unit of dating Unit of dating in French Unit of dating in English	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion Stop SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Examples Ma Million d'années Million Year
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS NGLAIS	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in Ergnish Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type in Exploitation type in Spanish Exploitation type in Spanish Exploitation type in Spanish District database Content ID for unit of dating Content ID for dating in French	B 10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Examples Ma Maillion d'années
Field Name D ERE RANCAIS NIGLAIS SPAGNOL Ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL RANCAIS NGLAIS SPAGNOL SPAGNOL SPAGNOL	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in English Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in English Exploitation type in Spanish Content ID for unit of dating Unit of dating in French Unit of dating in English	B 10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion Examples SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Examples Ma Million d'années Million Yaar
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS NGLAIS SPAGNOL ANS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS SPAGNOL able name: REFERENCE_UNITE_PR4	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in Ergensh Status of deposit in Spanish "District database" "District database" "District database" ID for exploitation type Exploitation type in Ergelish Exploitation type in English Exploitation type in Spanish Content ID for unit of dating Unit of dating in French Unit of dating in English Unit of dating in Spanish	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion Statue Examples SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Ma Million d'années Million Year Millión de Años
Field Name RANCAIS SPAGNOL Field Name RANCAIS SPAGNOL Field Name	text text text text text text text text	50 50 1000 100 100 100 100 100 100 100 1	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in Spanish "District database" "District database" "District database" "District database" District database" Content ID for exploitation type Exploitation type in French Exploitation type in English Exploitation type in Spanish Content ID for unit of dating Unit of dating in French Unit of dating in English Unit of dating in Spanish Unit of dating in Spanish	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Ma Million d'années Million de Años
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_PROL Field Name D	text text text text text text text text	50 50 1000 1001 100 100 100 100 100 100	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in Erglish Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type in Spanish Exploitation type in Spanish Exploitation type in Spanish ID for unit of dating Unit of dating in French Unit of dating in French Unit of dating in French Unit of dating in Spanish Content ID for unit of production Content	B10 B Gisement en activit Producing deposit Yacimiento en produccion SDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Ma Million d'années Million Year Million Year Million de Años
Field Name D ERE RANCAIS NGLAIS SPAGNOL ubject: REFERENCE_STRATIGRAPH ubject: REFERENCE_SUBSTANCE able name: REFERENCE_TYPE_EXP Field Name D ERE RANCAIS NGLAIS SPAGNOL able name: REFERENCE_UNITE_DA Field Name D RANCAIS SPAGNOL able name: REFERENCE_UNITE_PRO D Field Name D RANCAIS SPAGNOL	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in Ergnish Status of deposit in English Status of deposit in Spanish "District database" "District database" Content ID for exploitation type in French Exploitation type in Spanish Content ID for unit of dating in French Unit of dating in French Unit of dating in Spanish Content ID for unit of production Unit of production Unit of production in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SSDB SSDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragade verde de corbos Examples Ma Million d'années Millón de Años PRO001 km3
Field Name D Field Name D FRANCAIS NNGLAIS SPAGNOL Subject: REFERENCE_STRATIGRAPH Subject: REFERENCE_SUBSTANCE Field Name D Field Name	text text text text text text text text	50 50 1000 100 100 100 100 100 1	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in French Status of deposit in Spanish "District database" "District database" "District database" District database" Content ID for exploitation type in Exploitation type in French Exploitation type in Spanish District dating Content ID for unit of dating Unit of dating in French Unit of dating in French Unit of forduction in French Unit of production in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Ma Million d'années Million d'années Millión de Años PRO001 km3 km3
D PERE RANCAIS SUbject: REFERENCE_STRATIGRAPH Subject: REFERENCE_SUBSTANCE Fable name: REFERENCE_TYPE_EXP D Field Name D Field Name Field Name C Fable name: REFERENCE_UNITE_DA Field Name D Fable name: REFERENCE_UNITE_DA Field Name C Fable name: REFERENCE_UNITE_PR	text text text text text text text text	50 50 100 100 100 100 100 100 10	ID for status of deposit A: provinces, B: deposit, C: prospect, D: primary occurence, E: anomalies, F: unknown status Status of deposit in Ergnish Status of deposit in English Status of deposit in Spanish "District database" "District database" Content ID for exploitation type in French Exploitation type in Spanish Content ID for unit of dating in French Unit of dating in French Unit of dating in Spanish Content ID for unit of production Unit of production Unit of production in French	B10 B Gisement en activit Producing deposit Yacimiento en produccion Yacimiento en produccion SDB SS Dragage par roue à godets, roue-pelle Bucket wheel dredging Dragado de rueda de corbos Examples Ma Million d'années Million Year Million Year Million de Años

39 Table name: REFERENCE_UNITE_TENEUR Field Name Data Type Length

Field Name	Data Type	Length	Content	Examples
ID	text	50	ID for grade	%
FRANCAIS	text	50	Grade in French	pour cent (en poids)
ANGLAIS	text	50	Grade in English	per cent (in weight)
ESPAGNOL	text	50	Grade in Spanish	por ciento (en peso)

Field Name	Data Type	Length	Content	Examples
ompteur	long integer		No	
umero	text	10	It is formatted in the following way:	YUG-005-D
		150	Pays.CodeISo+"-"+ Compteur+"-D" (Country code Iso+"-"Control+"-D")	Colo Mandaria Matella socia Descio
elt	text	150	Modifiable terminology from REFERENCE_BELT Terminology from REFERENCE_S_BELT	Serbo-Macedonian Metallogenic Province
_Belt	text	50	Terminology from REFERENCE_S_BEL1 Terminology from REFERENCE PAYS	SERBIA
ays Iom	text	80	Name of the district	Drina or Podrinje district
1	text	5	Terminology from REFERENCE_STRATIGRAPHIE, primary material	Sb
2	text	5	Terminology from REFERENCE_STRATIGRAPHIE, primary material	PbZn
3	text	5	Terminology from REFERENCE_STRATIGRAPHIE, primary material	Fe
4		5		Fl
5	text	5	Terminology from REFERENCE_STRATIGRAPHIE, secondary material Terminology from REFERENCE_STRATIGRAPHIE, secondary material	Cu
6	text text	5	Terminology from REFERENCE_STRATIGRAPHIE, secondary material	Au
7	text	5	Terminology from REFERENCE_STRATIGRAPHIE, secondary material	Au
Contenu_metal1	double	2	Metal content of zone S1 of the district	g
Contenu_metal2	double		Metal content of zone S1 of the district Metal content of zone S2 of the district	,
Contenu_metal3	double		Metal content of zone S2 of the district	
Contenu_metal4	double		Metal content of zone S4 of the district	e
Contenu_metal5	double		Metal content of zone S4 of the district Metal content of zone S5 of the district	
ontenu_metal6	double		Metal content of zone S6 of the district	0
ito_ligne	text	50	Primary deposit line, from LEXIQUE GITOLOGIE	C
ito_type	text	50	Primary deposit type, from LEXIQUE GITOLOGIE	C70
ontenu_metal7	double		Metal content of zone S7 of the district	
ithoAge_inf	text	50	Terminology from REFERENCE_STRATIGRAPHIE	
ithoAge_sup	text	50	Terminology from REFERENCE_STRATIGRAPHIE	
itho_Age_BorneInf	single		Lower limit of the lithologic age of the outcrop	
itho_Age_BorneSup	single		Lower limit of the lithologic age of the outcrop	
lineAge_inf	text	50	Terminology from REFERENCE_STRATIGRAPHIE	Tertl
fineAge_sup	text	50	Terminology from REFERENCE_STRATIGRAPHIE	Tert2
line_Age_BorneInf	single		Lower limit of the Mineralisation age	
fine_Age_BorneSup	single		Upper limit of the Mineralisation age	
ontLithForm	text	50	Formation	
ontLithEnc	text	50	Terminology	
ontStruct	text	50	Terminology from FORME TECTONIQUE	
lydrothermalisme	text	60	Terminology from ALTERATION HYDROTHERMALE	
lescription	Memo		Open field for description in French	The mineralization of this district is
lesAnglias	Memo		Open field for description in English	
esEspagnol	Memo		Open field for description in Spanish	The existence of sulfidic mineralization
EDACTEUR	text	50	Name of the author of the file	J.Monthel
DATE_DE_REDACTION	Date/Time		Date drafted	2002
Field Name	Data Type		Content	Examples
Field Name DENTIFIANT NOMdeGISEMENT	text text	Length 50 100	Identifying features of the district Name by which the deposit is known	Examples YUG-0004-D Rudnik
Field Name DENTIFIANT OMdeGISEMENT	text	50	Identifying features of the district	YUG-0004-D
Field Name DENTIFIANT IOMdeGISEMENT IRDRE	text text	50	Identifying features of the district Name by which the deposit is known	YUG-0004-D
Field Name DENTIFIANT KOMdeGISEMENT PRDRE 'able name: District_Typo	text text long integer	50 100	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined	YUG-0004-D Rudnik
Field Name DENTIFIANT OMDGGISEMENT ORDRE Table name: District_Typo Field Name	text text long integer Data Type	50 100 Length	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content	YUG-0004-D Rudnik Examples
Field Name DENTIFIANT ORMdeGISEMENT DRDRE able name: District_Typo Field Name DENTIFIANT	text text long integer Data Type text	50 100 Length 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district	YUG-0004-D Rudnik Examples YUG-0005-D100
Field Name DENTIFLANT OKOMeGISEMENT RDRE able name: District_Typo Field Name DENTIFLANT D_Typo	text text long integer Data Type text text	50 100 Length	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known	YUG-0004-D Rudnik Examples
Field Name DENTIFLANT OKOMeGISEMENT RDRE able name: District_Typo Field Name DENTIFLANT D_Typo	text text long integer Data Type text	50 100 Length 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district	YUG-0004-D Rudnik Examples YUG-0005-D100
Field Name DENTIFLANT SOMdeGISEMENT ORDRE Table name: District_Typo Field Name DENTIFLANT D_Typo JRDRE	text text long integer Data Type text text	50 100 Length 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known	YUG-0004-D Rudnik Examples YUG-0005-D100
Field Name DENTIFLANT ORMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFLANT D_Typo RDRE able name: BIBLIO_DISTRICT	text long integer Data Type text lext long integer	50 100 Length 50 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined	YUG-0004-D Rudnik Examples YUG-0005-D100 C73
Field Name DENTIFIANT OSMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo DRDRE able name: BIBLIO_DISTRICT Field Name	text text long integer Data Type text text long integer Data Type	50 100 Length 50 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples
Field Name DENTIFIANT ORDRE able name: District_Typo Field Name DENTIFIANT D_Typo RRDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT	text text long integer Data Type text long integer Data Type text	50 100 Length 50 50 Length 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Identifying features of the deposit	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D
Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT	text text long integer Data Type text text long integer Data Type	50 100 Length 50 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples
Field Name DENTIFIANT OKMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANTTypo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANTTEId Name DENTIFIANTTEXTOTXD	text text long integer Data Type text lext long integer Data Type text text text	50 100 Length 50 50 Length 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Identifying features of the deposit	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D
Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT 2. Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT 0_TEXTO able name: REFERENCE_BELT	text text long integer Data Type text lext long integer Data Type text text text	50 100 50 50 50 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Content Identifying features of the deposit Name of the country where the deposit occurs	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D 1583.
Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name	lext text long integer Data Type text lext long integer Data Type text Lext Lext Data Type Data Type	50 100 Length 50 50 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Identifying features of the deposit Name of the country where the deposit occurs Content	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D IS83. Examples
Field Name DENTIFIANT ODMeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT TEXTO Seld Name Field Name	text text long integer Data Type text text long integer Data Type text text text text	50 100 100 50 50 50 100 50 100 100 100 1	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D 1583. Examples Serbo-Macedonian Metallogenic Province
Field Name DENTIFIANT ODMdcGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name fom D	text text long integer Data Type text lext long integer Data Type text text text text text text	50 100 Length 50 50 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of belt Identifying features Content Name of belt Identifying features	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D IS83. Examples
Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RIDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name OD SD	text text long integer Data Type text text text text text text text te	50 100 50 50 50 50 50 50 150 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt Identifying features Automatic number used to calculate ID	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D 1583. Examples Serbo-Macedonian Metallogenic Province
Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RIDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name OD SD	text text long integer Data Type text lext long integer Data Type text text text text text text	50 100 100 50 50 50 100 50 100 100 100 1	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of belt Identifying features Content Name of belt Identifying features	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D 1583. Examples Serbo-Macedonian Metallogenic Province
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Field Name Field Name DENTIFIANT ODMdcGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name om D mpt om_sp able name: REFERENCE_S BEL	text text long integer Data Type text lext long integer Data Type text text text text Lext long integer text text	50 100 Length 50 50 50 50 Length 150 50	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt Identifying features Automatic number used to calculate ID Name of the Spanish belt	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 YUG-0001-D I583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1
Field Name Field Name DENTIFLANT ODMcGISEMENT RDRE able name: District_Typo Field Name DENTIFLANT _Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFLANTTEXTO able name: REFERENCE_BELT Field Name om_sp able name: REFERENCE_S_BELT Field Name	text text long integer long integer long integer lext text text long integer long integer lext lext lext long integer long integer lext long integer l	50 100 100 50 50 50 100 100 100 100 100	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt Identifying features Automatic number used to calculate ID Name of the Spanish belt Content	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D 1583. Examples Serbo-Macedonian Metallogenic Province
Field Name Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANTTypo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANTField Name field Name field Name field Name Field Name Field Name	text text text long integer text text text text text text text te	50 100 50 50 50 50 50 50 50 50 50 50 150	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Identifying features	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 YUG-0001-D I583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1
Field Name Field Name DENTIFIANT ODMdcGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name fom D S able name: REFERENCE_S BEL Field Name O S S S S S S S S S S S S S S S S S S	text text text text text long integer text text text text text text text te	50 100 100 50 50 50 100 100 100 100 100	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of belt Identifying features Automatic number used to calculate ID Name of the Spanish belt Content Identifying features Name of belt Identifying features	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D I583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1
Field Name Field Name DENTIFIANT OMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANTTypo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANTTEXTO able name: REFERENCE_BELT Field Name fom	text text long integer Data Type text text text bata Type text text text long integer text long integer text long integer text long integer text long integer	50 100 100 100 50 50 50 150 150 150 150	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt Identifying features Automatic number used to calculate ID Name of belt Identifying features Name of belt Identifying features Name of the Spanish belt	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D I583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1
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Field Name Field Name DENTIFIANT OKMdeGISEMENT RDRE able name: District_Typo Field Name DENTIFIANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFIANT D_TEXTO able name: REFERENCE_BELT Field Name Field Name Field Name Field Name D D D D D D D D D D D D D D D D D D D	text text long integer Data Type text text text bata Type text text text long integer text long integer text long integer text long integer text long integer	50 100 100 100 50 50 50 150 150 150 150	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt Identifying features Automatic number used to calculate ID Name of belt Identifying features Name of belt Identifying features Name of the Spanish belt	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 YUG-0001-D I583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1
Field Name DENTIFLANT ODENTIFLANT ORDAGGESEMENT RDRE able name: District_Typo Field Name DENTIFLANT D_Typo RDRE able name: BIBLIO_DISTRICT Field Name DENTIFLANT D_TEXTO able name: REFERENCE_BELT Field Name form D ompt om_sp able name: REFERENCE_S_BEL Field Name form D Spletary	text text long integer bata Type text text text text text text text te	50 100 100 100 100 100 100 100 100 100 1	Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Name of belt Identifying features Automatic number used to calculate ID Name of belt Identifying features Name of belt Identifying features Name of the Spanish belt	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D I583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1
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Field Name	text text text long integer text text text text text text text te	50 100 100 100 100 100 100 100 1	Identifying features of the district Name of which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the district Name by which the deposit is known Order which allows the most commonly used name to be determined Content Identifying features of the deposit Name of the country where the deposit occurs Content Identifying features Content Identifying features Automatic number used to calculate ID Name of belt Identifying features Name of belt Identifying features Name of belt Content Identifying features Name of belt Content Identifying features Name of belt Content Identifying features Content ID Content Difect Type Object Type Object Type Object type Ore deposit type ID Content ID for ore deposit type ID Content I	YUG-0004-D Rudnik Examples YUG-0005-D100 C73 Examples YUG-0001-D 1583. Examples Serbo-Macedonian Metallogenic Province B-EUR-1 Examples Examples Examples Kodule Examples Module There were compilation errors during
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3(2) Table structures for mining district database

Field Name	Data Type	Length
ID	text	5
PERE	text	5
FRANCAIS	text	20
ANGLAIS	text	20
ESPAGNOL	text	20

Content	Examples		
ID for lithology	EPI10		
It is parent rock	EPI		
Lithology in French	Mass-flow volcanoclastiques s.l., syn- à		
Lithology in English	Syn- to late-eruptive volcaniclastic		
Lithology in Spanish	Mass-flow volcanoclásticos s.l., sin- a		

Field Name	Data Type	Length
ID	text	25:
PERE	text	25:
FRANCAIS	text	25:
ANGLAIS	text	25:
ESPAGNOL	text	255
COUR3	text	255

Content	Examples
ID for country name	891
	998
Country name in French	SERBIE
Country name in English	SERBIA
Country name in Spanish	SERBIA
Abbreviation of country name	YUG

Table name: REFERENCE_STRATIGRAPHIE Field Name Data Type Length ID text 50 PERE text 50 FRANCAIS text 100 ANGLAIS text 100 ESPAGNOL text 100 INT1 double INT2 ORDRE long integer I

Content	Examples
ID for stratigraphy	C2
	С
Stratigraphy in French	Carbonifère supérieur (Stéphanien
Stratigraphy in English	Upper/Late Carboniferous (Stephanian
Stratigraphy in Spanish	Carbonífero superior (Stephaniense
	320
	295
	10

Field Name	Data Type	Length
ID	text	50
PERE	text	50
FRANCAIS	text	100
ANGLAIS	text	100
ESPAGNOL	text	100
INT1	double	
INT2	double	
ORDRE	long integer	
Table name: REFERENCE_ Field Name	STRATIGRAPHIE Data Type	Length
Table name: REFERENCE_ Field Name ID	STRATIGRAPHIE Data Type text	50
Table name: REFERENCE_ Field Name ID FRANCAIS	STRATIGRAPHIE Data Type	50 55
Table name: REFERENCE_ Field Name ID	STRATIGRAPHIE Data Type text	50 55 55
Table name: REFERENCE_ Field Name ID FRANCAIS	STRATIGRAPHIE Data Type text text	50 55
Table name: REFERENCE_ Field Name ID FRANCAIS ANGLAIS	STRATIGRAPHIE Data Type text text text text	50 55 55
Table name: REFERENCE_ Field Name ID FRANCAIS ANGLAIS ESPAGNOL	STRATIGRAPHIE Data Type text text text text text	50 55 55
Table name: REFERENCE_ Field Name ID FRANCAIS ANGLAIS ESPAGNOL CLASSE_A	STRATIGRAPHIE Data Type text text text text text double	50 55 55
Table name: REFERENCE_ Field Name ID FRANCAIS ANGLAIS ESPAGNOL CLASSE_A CLASSE_B	STRATIGRAPHIE Data Type text text text text double double	50 55 55

Content	Examples				
ID for substance	Au				
Substance in French	Or (métal)				
Substance in English	Gold (metal)				
Substance in Spanish	Oro (metal)				
Quantity in Class A	250				
Quantity in Class B	50				
Quantity in Class C	10				
Quantity in Class D	1				
unit in weight	tonne (1000 kg)				

Table name: REFERENCE_TECTONIQUE Field Name Data Type Length ID text 10 FRANCAIS text 100 ANGLAIS text 100 ESPAGNOL text 100

Content	Examples
ID for tectonics	F
Techtonics in French	Faille
Techtonics in English	Fault
Techtonics in Spanish	Falla

4. Materials of RTB Bor Smelting

4-1 Operating Cost

R	efiı	ne	nv

Smelter	
Fuel	y = 9891.507 x-0.913
Electric power	y = 27814587.010 x-0.931
man power	y = 146.558 x-0.830
Sub material	y = 15910x-0.7084
Others	v = 2E - 06x + 4.1197

Electric power y= 4218.665 x-0.209 man power y= 34.904 x-0.738 Sub material y= 2581.751 x-0.536 Others y= 3E-07x + 0.1262

Copper producti	ont/v	165.000	130.000	110.000	80.000	50.000	30.000	25.000	15.000	10.000
Smelter		,	,	,					,	,
Conc. Charge	t.y	828,617	652,849	552,411	401,754	251,096	150,658	125,548	75,329	50,219
Fuel	t/y	32,370	31,705	31,248	30,394	29,176	27,908	27,469	26,275	25,364
Unit price	\$/t	120	120	120	120	120	120	120	120	120
	\$/y	3,884,349	3,804,610	3,749,715	3,647,253	3,501,124	3,348,935	3,296,233	3,152,950	3,043,667
Electric power	kwh/y	71,226,076	70,063,966	69,260,994	67,755,700	65,593,613	63,321,908	62,530,296	60,364,683	58,699,260
Unit price	\$/kwh	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	\$/y	2,136,782	2,101,919	2,077,830	2,032,671	1,967,808	1,899,657	1,875,909	1,810,940	1,760,978
man power	Man∕y	1,389	1,334	1,297	1,229	1,134	1,040	1,008	924	863
Unit price	\$/Man	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	\$/y	6,947,214	6,671,274	6,484,480	6,142,762	5,671,048	5,199,350	5,040,669	4,621,404	4,313,586
Sub material	\$/y	846,179	789,350	751,820	685,149	597,398	514,722	488,071	420,525	373,632
Others	\$/y	4,787,111	3,542,165	2,886,250	1,978,036	1,160,614	666,105	548,782	321,703	211,947
Total cost	\$/y	18,601,635	16,909,318	15,950,095	14,485,872	12,897,992	11,628,768	11,249,665	10,327,523	9,703,809
Unit cost/Conc	\$/t	22	26	29	36	51	77	90	137	193
Unit cost/Coppe	r\$∕t	113	130	145	181	258	388	450	689	970
Unit cost/Coppe	r C/lb	5.11	5.90	6.58	8.21	11.70	17.58	20.41	31.23	44.02
Refinery										
Cathode	t.y	165,000	130,000	110,000	80,000	50,000	30,000	25,000	15,000	10,000
Electric power	kwh∕y	56,520,216	31,137,346	28,266,677	23,507,016	17,906,554	13,321,760	11,987,142	8,917,954	7,051,937
Unit price	\$/kwh	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	\$/y	1,695,606	934,120	848,000	705,210	537,197	399,653	359,614	267,539	211,558
man power	Man/y	815	765	733	674	596	521	497	435	391
Unit price	\$∕Man	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	<u>\$/y</u>	4,073,980	3,827,289	3,663,388	3,370,138	2,979,670	2,606,417	2,484,839	2,173,572	1,954,511
Sub material	\$/y	680,564	609,293	563,849	486,396	391,091 7.060	308,561 4,056	283,531	223,698	185,334
Others	\$/y	28,991	21,476	17,512	12,016	7,060	4,000	3,343	1,961	1,292
Total cost	\$/y	6,479,140	5,392,178	5,092,749	4,573,760	3,915,018	3,318,686	3,131,327	2,666,769	2,352,695
Unit cost/Coppe	r\$∕t	39	41	46	57	78	111	125	178	235
Unit cost/Coppe	r C∕lb	1.78	1.88	2.10	2.59	3.55	5.02	5.68	8.06	10.67
G.total	o ///	0.55			10					
Unit cost/Coppe	r C∕lb	6.89	7.78	8.68	10.81	15.25	22.60	26.09	39.29	54.69

4-2 Transaction of Copper Concentrate

TC/RC (Treatment charge/Refining charge) Processing cost

TC; The unit is gross quantity of copper concentrate. Expressed in US\$/ t. Concentrate.

RC; The unit is net quantity of copper concentrate. Expressed in US ¢/lb (cents per pound). Copper.

Copper recovery rate

Unitless. The quantity of copper traded is the % of copper content in concentrate minus 1%.

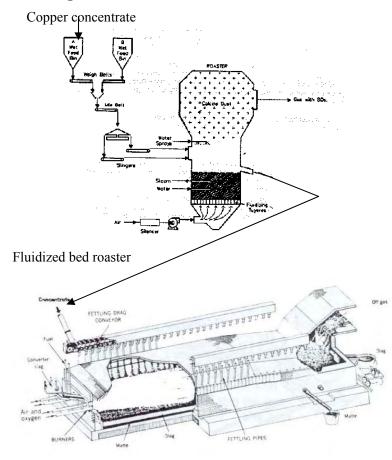
For example, when the copper content in concentrate is 20%, the traded quantity will be 20 minus 1

= 19%. The recovery rate will be (20-1)/20 = 95%.

Only gold and silver are evaluated as valuable materials.

When there are materials in the concentrate that hinder the copper smelting process, such as arsenic, bismuth or antimony, they will be subject to penalty.

4-3 Smelting Process at TIR Bor Fluidized bed roaster + reverbertory furnace process



Reverbertory furnace

The sulfur and some of the iron in the copper concentrate are oxidized in the fluidized bed roaster (solid). The sinter is melted in the reverbertory furnace and separated into matte and slag. When the copper content in the concentrate is 28% or higher, the roaster is not used and the concentrate is fed directly into the reverbertory furnace

4-4 Data Received

Year		unit	1975	1980	1982	1983	1984	1985	1990	1992	1993	1994	1995	1995	i 1997	1998	1999	2000	2001	2002	2003	2004	2005
Smelter Concent		A4.	493,475	507 4 70	511 211	54 1,000				C40 07C	021.152	402.095	220.012	507.1.12		120 202	002 2 25	000 010	493,039		105,000	99,000	102 000
Vancem	raban Cu	t/y 5	49.3475	507,470 20,84	<u>511,341</u> 20.08	19,4	585,485 19,23	556,455 20,91	509,884 20,78	519,835 20.34	281,453	407,285	389,213 20.45	502,118 21,9	520,703 22.04	489,393 20.31	293,7 <i>7</i> 5 18.99	258,340 18.81	187,378 18.15	209,000	100,000	88,000 14.4	108,000 18,8
	Fe	5													1								
	S	5																					
		a/t a/t					9.44 90.25				5,69 30.01	4.77 22.27	5.39 23.41	59 41.39	6.02 35.44	5.08 37.57		<u>3.07</u> 35.78	48.09		19.03		
Copper s		t∕y	4487 80	8318 80	13551	10085	12057	11943 80	15158 80	44 14			3545 80				537	500 81	572	722		1131	2328
-	Cu				80	80	80			80		80	හ				80	80	ഓ	80	രാ	80	80
Bister	<u>.</u>	t/y s	2525	26314 98	14517 93	20915	22961 98	18725 98	27222 98	1 1580	98	98		8182	2 5131		98			98	98	98	
Anode pr	roduction .	tγ	153930	158085	14 40 71	144355	152293	156661	174.257	128943	57447	8854.9	874 11	125 154	123232	1 121 76	57801	55422		42000	18000	15000	24000
	Gu	5	99.75	99.57 20.7	99.52 28.1	99,55	99.51	99.52	99,59	99.65 32.4	99.71 81.1	99.74 20.3	99.73 34.3	99.71 34.8	99,59 5 30,9	99.7 31.1	99.79 32.4	99.64 18.7	99.82	99.82	99.8 20.9	99.8 23.9	99.8 17.5 222.2
	Au Ar	2/t a/t		20.7	<u>20</u> 1 159.1	29 <i>2</i> 1382	334.1	30 158.7	28.3 128	324 185	135	203	167.5	242.5	5 <u>309</u> 5 2339	2486	<u>32.4</u> 242.2	211.1	18.3 293.2	28 311.7	185.2	23.9 238.7	2222
Sulfuria e	aid 🔨	t/y	350000	155000	230000	250000	330000	330000	350000								27000	78000			22000	51000	
	H2S04	5	96	95	95	96	95	96	95	95	95		95		5 95		95	96	96	95	96	95	95
l a fan la pe	eretion Cast Celastetion	US\$ US\$										34,085,852	17,533,093 9,111,094	35934,975 27,015,240	35,404,284	30,670,382	19,855,570	17,295,011 5,597,485	14,423,805 7,172,401	10,557,894 8,795,714	7,955,183 7,272,497	9,055,090 7,712,458	13,370,287
	Bectric power	kwti/y											72641806	48880224	704 12821	74 707 715		57903928	85774429	78304525	53180874	48379134	70835717
	Bectric power	US \$/kwh												0.02	2 0.03			0.01		0.02	200	ao3	0.03
	Bectric power Fuel	US\$/y t/y									+	+	725,418 324 71		2,112,378			579,039 28191	857,744 37851	1,555,091 34513	1,591,825 22592	1451374 20801	2,125,072
		US \$/tan											334 71 59.22	25821 708.83	27370 95.92	33195 52.18		39.93	37851 67.28	71	76.31	20601 8342	33234 118.24
	Fuel	US\$/y											1,962,153		2,852,700	2,054,127		1,125,867	2,533,159		1,731,827	1,718,535	3,829,568
	Man power Man power	US\$/y mon											3052944	8009152	8057754	7500075			2539302	3724670	3481300	4079038	
	Sub materials										+	+	1335 685,316	1373 821,516	1340 746,953	1311 690,030		1218 343,505	1383 691,015	1072 789,155	1035 359,096	1021 416,622	972 571,868
	Others	us‡											654,263	1,046,034	435,704	315,997		93,135	201,180	258,274	95,646	46,889	100,019
Refinery Feed and		A.													.								
	nic comper	t/y t/y	137902	131288	128870	123708	127510	135432	151395	114784	51174	72149	744.51	104000	108583	94396	50022	43633	32385	35897	14029	11997	31284
Slime		kg/y	180373	250772	189020	177713	258680	235540	203754	184542	74,853	80000	104758	132832	154512	157837	65969	704.40	45809	53892	21347	18839	38340
	Cu Au				34.0		1.78	2.04		1.22	2.02						212	1.40		197	1.97	1 75	
	Au Au	ŝ			2.45 19.64	2.85 15.89	19,44	204 17.17	2.74 14.84	2.73	3.08 15.98	242 11.85	2.28 11.09	293 17.48	2.37 15.27	2.11 14.67	243 1599	1.49 15.07		1.82 17.65		1.75 42.8	1.58 15.82
	ry Au to conc.	8					85	103	108	118	122	100	114	117	117	134	135	132	104	132	117	104	135 140
Recove CuSD4	ry Ag ta cana.	5 1/y			1.20	930	98 1100	209	175 1050	<u>112</u> 1150		105	128	112	128	128	122	115 1250	91 900	125	137 500	<u>248</u> 500	140 600
00304	0,504	5			130	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				1130	·		1	1200	1			1230				300	
Tatial ap-	erelian Cast	US\$											4327.187		12.537.534					4.855.838			
	Celculation Bectric power	US\$ kwti/y	66 60 7 67 1	97.495.405	54,096,837	55,048,151	85.770.044	58,458,208	02 717 100	17 617 777	19,503,484	77451172	2,432,507	3242129 40.925.725	3,922,745	38991,561 38,254,184	20,117,054	1,434,049 20,248,544	1,332,340	2,059,015	1,555,503	1,795,804 7,403,422	2,370,246
	Bectric power	US \$/kwh	55,697,631	80,435,405	34,080,000	30,040,131	55,279,944	39439209	58,727,189	42,517,772	18/00/2404	27,481,128	29,211,207 0.01	40,836,725 0.02	39,945,822	0.02	20(11),034	0.01	14,355,852	15,650,181 0.02	<u>8,237,774</u> 0.03	0.03	15,732,520 0.03
	Bectric power	US\$/y											292,112	816,735	1,198,405	785,084		202,485	145,559	313,004	247,133	222,103	471,975
	Fuel	t/y US\$∕tan													+								
	Man power	· · · ·											1,732,411	1,591,728	1,983,131	2,779,914		1,080,450	881,302	1,146,570	1,108,315	1,352,294	1,493,212
	Man power	men											581	711	707	594		582	835	497	405	433	421
	Sub materials	US\$											396,485	721,713	720,556	431,549		145,255	298,682	594,042	196,580	220,285	402,722
Prezious met	Others tal	US											9.496	11.953	20.853	17.914		4.849	6817	5.400	2.474	1121	2.335
	- Au	ka/y	5251 37267	3 139 32 730	3935 28445	4058	3718	4197 35154	4 703 22925	4203 21360	2 129 9 794	1850 8253	1774 6245	3059 16309	2974 16024	2597 18099	1236 7612	1006 6803	521 5561	758 8383	283 2028	175 1090	4 14 3504
	Ac.	t∕y	37267	32730	28445	19828	27097								18024							1090	3504
	ry Au to conc. ry Az to conc.	l è						83.2 167.8	91.2 1326	98.4 105.8	1131	85.4 89.0	84.5 88.5	924 785	94.9 85.8	104.5 87.6	104.4 87.8	127.1 73.6	935 54.5	101.9 84.2	96.0 100.5	629 37.9	105.2 80.9
Kesaw	ra na la cané.						310	07.0	1320	1000	1 1100	1 08.0	1 00.0	1 103	1 90.0	u 07.0	97.6	140	040	94.2	100.31	37.8	00.8

year unit 1975 1980 1982 1983 1985 1990 1991 1992 1993 1994 1995 1996 199 Smelter		1998 19	99 2000	2001	2002	2
Operation days days	-					1
Dien stan devia						
	8 211	211 1	70 99	9 123	i 85	i l
2 line total				T	1	1
Matte t/y 289151 242016 216516 238482 252472 259006 270204 275844 254296 132140 187727 173079 220454 22489	7 219270	219270 1301	74 127858	3 87300	103783	4
Cu 🕱 35.81 41.7 43.85 41.04 39.17 42.7 43.8 42.31 39 37.75 40.05 41.87 44.89 44.3						
Rev. slag t/y 383727 437910 461350 509218 522700 520240 561550 583480 464880 275880 382280 345360 445820 43710						
Cu \$ 0.35 0.5 0.5 0.5 0.5 0.65 0.55 0.68 0.51 0.51 0.63 0.62 0.58 0.57 0.58 0.5		ncel n				
	4 0.58	0.58 0.	52 0.54	<u>i as</u>	0.81	· {-··-··
so2 s				-		
Custx 10 Rev. slagz \$ 5,6 5 6 5,4 5,5 6,8 6,1 6,1 6,3 6,2 5,8 5,7 5,8 5,	4 5.8	5.8	5.2 5.4	t <u>5.</u> 3	i <u>[</u> <u>81</u>	
CF slee t/y		l				
Fe X Fe				T	1	1
S02 S	*********				1	1
Anade t/y 105575 98925 109916 108817 109798 115424 57395 85549 75487 98250 100480 89147 48806 4457	0 31581	31581 335	08 12338	3 11350	30432	3
	·					
Slag treatment	•			-+	+	· - · · ·
	··+····+			-+		J
				14813		
				0.71		
Resolvery X				83.8	i 83.9	·.
Reinery						
Operation days days		I				
Plan stap days		Τ			1	1
Trauble stap days	··†·····†			1	1	1
Cammercial section	••••••••••••••••••••••••••••			-†	1	1
	0 572		55 274	1 25:	2007	;
	200-280	200-28	0 200-280	200-280	200-280	200-2
Current efficiency 5				+		
Electric power AC kwh/t 405.31 450.48 426.37 433.05 441.03 431.61 387.9 365.56 370.48 385 380.82 377.28 392.66 374.7					i 435.978	
Time efficiency \$ 90.71 85.48 78.37 80.43 88.95 83.88 92.04 94.28 94.38 94.37 95.32 95.48 94.12 95.4	3 94.55		24 94.48	3 94.4	. 93.37	9
20 20 20 20 20 20 20 20 20 20	0 20	20	20 20	20) <u>2</u> 0	!]
Cathode life days 10 10 10 10 10 10 10 10 10 10 10 10 10	0 10	10	10 10			
Anode kg/pc 270 270 270 270 270 270 270 270 270 270	5 235	235 2	35 235			;]
Anode screep \$ 18.7 20.93 19.12 18.61 17.24 19.25 14.39 14.74 14.75 13.73 1501 14.08 17.65 13.8	7 1547	15.47 15.	53 16.5	14.4	15.51	1
Accept depait 5	·			· · · · · · · · · · · · · · · · · · ·		
Starting sheet cell	•++			-+	+	· {-··-·
	8 49	lot	27 23	3 18		;
	<u>48</u>		£?[£2	*+*	·}	'
	.+					
Current efficiency \$ 90.08 80.89 83.58 87.97 84.6 85/35 91.73 94.38 94.35 96.35 96.35 96.73 93.18 95.5	1 95.25	95.25 95.	.13 91.08	3 9293	92.79	<u>il a</u>
Electrolyte liter/min.cdl						
Cu 2/1 45-50 45-30 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50 45-50	45-50		45-50	45-50	45-50	45-50
H2SD4 2/1 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180 180-180			0 180-180	180-180	180-180	180-1
As $2^{/1}$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$ $1-3$	1-3	3 1-3	1-3	Mex. 2	Max 2	Mex. 2
Sb 2/1 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	0.75-0.3			0.75-0.3	0.75-0.3	a75-0
B 2/1 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.0075 0.2-0.05 0.2-0.05 0.2-0.05 0.2-0.05	0.3-0.05	-0.05 0.3-0.03	5 0.3-0.05	0.3-0.05	0.3-0.05	a3-0.
N 2/1 3-5 3-5 3-5 3-5 3-5 3-5 3-5 3-5 3-5 3-5	1.5-3		1.5-3	1.5-3	1.5-3	1.5-3
Temperature inlet deg C 30 50 50 50 50 50 50 50 50 50 50 50 50 50			80 80			
	4		~ ~	1 0	1 00	1
				-+	·	·
Emission				+		
Steck 1 150 m Nm3/h 102051 102051 102051 116192 92816 132590 13414	ol ogeo/1					15)
Sax 5 1.52 1.52 1.3 2.5 2.52 2.0	4 3.1	3.1	31 2.7	7 8.3	28	
Stack 2 80 m Nm3/h				80	y <u>ao</u>	!
Sax ppm				1000	1000	<u>!</u> t
Stack 3 100 m Nm3/h 108020 93258 93288 20384 86033 64463 140872 12558	5 140199	140199	103350		83393	59
Sax ppm 0.97 0.97 0.97 0.55 1.33 0.62 0.76 0.79	9.0	0.8	as 0.8		as	
Stack 4 m Nm3/h	*****			×		1
	·· † ·····+		+	-+	+	1
	100	100 0	sa	394	0.000	1
Effluent m3/day Rafination 35 80 Factory H2SD4	120	120 3	001 001		261	4
	1.51	1.51 1.	82	-+		·
Zn z/1 0.15	0.015	0.015 0.0	57			
A 0.0076 0.15	0.017	0.017 0.	.12			
Cu 2/1 5 10	0.012	0.012 0.	07			
	0.0003			T	1	1
Pb z/1 0.0025 0.0051	0.004			1	1	1
	0.24			-+	1	1
	··†·······			-+	· [+
	•+••••			-+	+	·
				-+	·	·
Mn z/i						
Mn g/1						
Ci 2/1 0.015 0.025						
H2SD4 z/1 5 100	0.33	a.33 0.	54		[1
Tatel selt 2/1	T	T	T	T	T	1
Saluble substance g/1 0.48	a07	007	1.5	1	1	1
		w07]	69 J	-	1	

2003	2004
205	230
42390	34855
40.94	34855 39.75
40.94 109660	89350
0.55	0.51
5.5	ā.1
37660	15000
	l
350345	305440 0.75 51.3
0.7	0.75
350345 0.7 57.1	51.3
123	168
1-280	200-280
587.19	674.066
95.07	95.14
20	20
10	10
235	235
14.5	131
7	15
9239	92,65
	L
-50	45-50
-30)-180	45-50 180-180
-50 0-180 x 2	45-50 180-180 Mex. 2
x 2 5-0.3	Mex. 2 0.75-0.3
x 2 5-0.3	Mex. 2 0.75-0.3
	45-50 180-180 Mex. 2 0.75-0.3 0.3-0.05 1.5-3
x 2 5-0.3	Mex. 2 0.75-0.3 0.3-0.05
x 2 5-0.3 -0.05 -3	Max. 2 0.75-0.3 0.3-0.05 1.5-3
x 2 5-0.3 -0.05 -3 60	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 50
x 2 5-0.3 -0.05 -3	Max. 2 0.75-0.3 0.3-0.05 1.5-3
x 2 5-0.3 -0.05 -3 60	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 50
x 2 5-0.3 -0.05 -3 60	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 50
x 2 5-0.3 -3 50 157725 1.4 80	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 50
x 2 5-0.3 -0.05 -3 50 157725 1.4 80 1000	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 50
x 2 5-0.3 -3 50 157725 1.4 80	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 50
x 2 5-0.3 -0.05 -3 50 157725 1.4 80 1000	Mex. 2 0.75-0.3 0.3-0.05 1.5-3 60 330022 5.5 55,083 1

5. The Accounting and Auditing Law of 2002

1 st Section	BASIC PROVISIONS
2 nd Section	BOOKS OF ACCOUNT AND ACCOUNTING DOCUMENTS
3 rd Section	KEEPING BOOKS OF ACCOUNT
4 th Section	FINANCIAL STATEMENTS
5 th Section	AUDITING OF FINANCIAL STATEMENTS
6 th Section	SUBMISSION AND DISCLOSURE OF FINANCIAL STATEMENTS
7 th Section	ACCOUNTING AND AUDITING COMMISSION
8 th Section	PENALTY PROVISIONS
9 th Section	TRANSITIONAL AND CLOSING PROVISIONS

(Scope and Application of the law) - The provisions of this law apply to:

- 1) Legal entities (enterprises, cooperatives, banks and other financial organizations, insurance organizations, stock exchanges and stockbrokers)
- 2) Entrepreneurs (individuals independently conducting commercial activities and reporting profits on those activities as required by income tax laws)

Legal entities are classified as small, medium, or large, according to certain criteria. Entrepreneurs are considered small legal entities. Auditing of financial statements is compulsory for large and medium size legal entities.

(Obligations for preparation and disclosure of financial statements) – Legal entities and entrepreneurs must keep account books, and prepare, present, submit, and disclose financial statements in compliance with legislation, professional rules, and internal rules. Professional rules include IAS, IRFS, and other international accounting rules. In this way, Serbian accounting standards are shown to clearly comply with international accounting standards.

Financial statements should include following 5 statements;

- Balance Sheet
- Income Statement
- \bigcirc Cash Flow Statement
- Statement of Changes in Equity
- Notes on Financial Statement

Small legal entities must prepare balance sheets and income statements in place the above.

(Requirement of keeping books of account) – Books of account should include journals, general ledgers, and supporting ledgers, and be kept in such a manner as to allow the accuracy of entries.

(Internal rules, organization and system) – Legal entities and entrepreneurs should through their general rules establish an accounting system and internal control procedures, and designate the person responsible for the legality and validity of business transactions.

(The period for keeping financial statements) – Financial statements should be kept for a period of 50 years. Journals and general ledgers should be kept for a period of 10 years.

(Auditing of financial statements) - Auditing of financial statements is compulsory for large and medium legal entities. The audits should be conducted in accordance with the International Standards of Auditing (IAS) and the Code of Ethics for Professional Accountants. The audits should be conducted in exchange for payment of an agreed fee, whereas such fee in two consecutive years should not exceed 15% of the annual income reported by the auditing firm. The auditing firm should take out liability insurance against any possible damage caused by opinion.

(Accounting and Auditing Commission) - The federal government should, by special directives, establish an Accounting and Auditing Commission for the purposes of monitoring the development of the accounting and auditing profession, and monitoring the application of international accounting regulations.

(Penalty) – Legal entities will be fined 100,000 to 3,000,000 dinars, and entrepreneurs 20,000 to 200,000 dinars, for commercial offences.

6. Comparison of environmental elements in surveyed mines and case studies

Physical environment		RTB-Bor	Grot Mine	Suwa Ruda Mine	Rudnik Mine	Lece Mine	Costolac Coal Mine	Case Study(SX-EW)	Case Study(CN *)
Air pollution	Air pollution by exhaust gas of smelter	It is the same as the exhaust gas process is not executed. The pollution situation is serious. The operation ratio is changing with the SO2 concentration of the exhaust gas.	Not available	Not available	Not available	Not available	Not available because there is no smelter. But, there is the exhaust gas from power plant A and B (SO2 gas and soot).	Not available	Not available
	Air pollution by exhaust gas of delivery vehicle for raw materials and products etc.	There is no house in the mine site. The smelter is in the town. Air pollution situation is serious but its influence is not clear.	Details are uncertain. There is few house in the mine site. It is judged that there is no influence.	No operation now. There is few house in the mine site. There is heavy traffic road near the plant. There is no influence.	Details are uncertain. There is few house in the mine site. There is heavy traffic road near the plant. There is no influence.	No operation now. There is no house in the mine site. It is judged that there is no influence.	Open pit. Mining by excavatorin in the mine site and b transporting by belt conveyor. Stripping soil by dragline and transporting it by dump truck. The influence is negligible because there is few machines in a wide area.	vehicle that carries the raw material from the tailing dam.	Uninvestigated. There is exhaust gas by the vehicle that carries the raw material from the tailing dam.
	Air pollution by exhaust gas of construction vehicle with mine	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Water pollution	Deterioration of water by wastewater from mine, dressing plant, and tailing dam.	Acid water generates in mine and waste rock dam. The acid water is treated by mixing in the tailing dam. If the pH of pond water is low, precipitate of the heavy metal dissolves again.	There is no problem of wastewater from the dressing plant and the tailing dam.	Details are uncertain. There is no problem of wastewater from the dressing plant and the tailing dam.	Uninvestigated	Details are uncertain. The mine water is acidulous-neutral.	There is no dressing plant. The wastewater on surface of the mine is a little because groundwater has pumped up before the mine is developed.	The process of leaching by sulfuric acid - SX extraction - electrolytic winning is general. It is necessary to consider the leakage of the acid water for the equippment of leaching by sulfuric acid. Complete the treatment of waste water after the substitution in the case of cement cooper extraction.	The process of the concentration by flotation – CN leaching of the concentrate – CIC is general Maintain the pound of dam at the alkali side to keep the flotation tail in the tailing dam. It is necessary to maintain the alkali side to tailing dam keeping of flotation tail. Execute surely the CN resolution of the CN leaching drainage.
	Deterioration of water by wastewater of smelter	Acid water is drained off nearly by no processing. Heavy pollution. Immediate neutralizing measures necessity.	Not available	Not available	Not available	Not available	Not available	Prevention for leakage of leaching solution and extracting material.	Select the process which is easy for treatment of waste water in the CIC process.
	Deterioration of water by wastewater of waste rock dam	Acid water generates. Pollution advances. Immediate measures necessity.	Details are uncertain. Acid water generation is possessed if there is a waste rock dam.	Acid water generates. Minimal pollution.	Details are uncertain. Acid water generation is possessed if there is a waste rock dam.	Details are uncertain.	Not available because there is no waste rock dam. However, there is an ash depository in the power plant. (It is not the subject to invest off.) The drain of the ash depository is uninvestigated.	The tailing materials to process are raw materials. Do enough management to start piling up again in the new tailing dam.	The tailing materials to process are raw materials. Do enough management to start piling up again in the new tailing dam.
	Water pollution by wastewater with mine development	Not available	Not available	Not available	Not available	Not available	There is no pollution in the groundwater drawn up. Because the underground water pumps up to lower the water level before development.	Not available	Not available
Soil pollution	Soil acidification by SO2 exhaust gas of smelter and heavy-metal contamination	Soil acidification by exhaust gas of smelter and soil pollution by heavy metal dust	Not available	Not available	Not available	Not available	The SO2 density of the exhaust gas of the power plant is uninvestigated.	Not available	Not available
W/+-	tailing dam	Drainage is run off in the state similar to no processing as an acid water of the waste rock dam. It is necessary to treat it.	Small potential of contamination	Details are uncertain.	Uninvestigated	Uninvestigated Installation already. No planting.	Not available.(There is a possibility of the dispersion of the grit from stopes.)	from the tailing dam is prevented.	Good pH control is necessary. The drain leakage from the tailing dam is prevented. Uninvestigated. (It is necessary to install specia
Waste	Installation of tailing dam	Installation already. Partially planting? (or natural growth?). Installation already. No planting.	Installation already. No planting. Uninvestigated	Installation already. No planting but partially natural growth. Installation already. No planting.	Installation already. No planting. Uninvestigated	Uninvestigated	Not available	Uninvestigated. It is necessary to install specia tailing dam and treatment equipment for its drain.) Not available	Uninvestigated. (It is necessary to install specia tailing dam and treatment equipment for its drain.) Not available
	Outflow of sediments from various deposit dam	Erosion of the waste rock dam by the rain is large. Erosion of the body of tailing dam by wind. Planting is necessary.		Erosion of bank of old tailing dam by rain. Drain to river doesn't flow out. Planting is necessary.	Uninvestigated	Uninvestigated	Uninvestigated	It is necessary to manage well tailing dam.	It is necessary to manage well tailing dam.
	Generation of waste by construction and deforestation with mine development	Not available	Not available	Not available	Not available	Not available	The stripped soil is generated. (It is possible to use i as a reclamation soil.)	t Uninvestigated	Uninvestigated
Bottom sediment	underground, dressing plant, smelter and dam	Bottom sediment in the rivers and ponds gets worse by the precipitation of heavy metals fron the acid water and by the eroded solid. Measures and treatment are necessary.	Deterioration of sediment on bottom of marsh at Bosilegrad side. Details are uncertain. Measures examination is necessary.	Uninvestigated	Uninvestigated	Uninvestigated	Not available	Uninvestigated	Uninvestigated
Subsidence	Caving of land surface by mining	Mainly, the upper part is open cut and the lower part is underground pit. Only the Brezanik deposit has its risk. There is no influence now.	Distance until the surface is long and the possibility to break the surface is small.	Not available because of the open pit.	Uninvestigated	Uninvestigated	Not available	Uninvestigated	Uninvestigated
Noise and vibratio	or Generation of noise and vibration by dressing plant operation	There is no house in the vicinity of the dressing plant, so the probrems of noise and vibration don't exist.	There is no house in the vicinity of the dressing plant, so the probrems of noise and vibration don't exist.	There is no house in the vicinity of the dressing plant, so the probrems of noise and vibration don't exist.	There is no house in the vicinity of the dressing plant, so the probrems of noise and vibration don't exist.	dressing plant, so the probrems of noise and vibration don't exist.	Not available	Uninvestigated	Uninvestigated
	Generation of noise, vibration, and fly rock by blast	There is no house in the vicinity except Bor open pit, so probrem for noise and vibration and fly rock don't exist.	There is underground mine and no house in the vicinity, so probrem for noise and vibration and fly rock don't exist.	There is no house in the vicinity, so probrem for noise and vibration and fly rock don't exist.	Uninvestigated	There is underground mine and no house in the vicinity, so probrem for noise and vibration and fly rock don't exist.	No blast is used because of the mechanical excavation method. There is no house in the vicinity. (there is no probrem of noise and vibration and fly rock.)	Not available	Not available
Stink	Generation from dressing plant and smelter	There is no house in the vicinity. There are no problems except the stink of exhaust gas from	There is no house in the vicinity, so probrem for stink doesn't exist.	There is no house in the vicinity, so probrem for stink doesn't exist.	There is no house in the vicinity, so probrem for stink doesn't exist.	There is no house in the vicinity, so probrem for stink doesn't exist.	Not available	Uninvestigated	Uninvestigated
Natural environmental Geographical and geological features	l Element Road construction and site preparation for mine development	Not available	Not available	Not available	Not available	Not available	Geographical features is modified because of the open pit mining. The access road has been set up.	Uninvestigated	Uninvestigated
Life and ecosystem	Destruction of forest and meadow /Outflow of and excavated earth	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
	Destruction habitat environment of (precious) species	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Global warming	Consumption of energy necessary for operation	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated
Social environmental Non-voluntary resident transfer	element Deprivation of house and farmland	Facilities existing. Details are uncertain though there is the construction plan of the fourth dam. There is no influence if it is constructed in the mine site.	of the present equipment. The possibility of		Facilities existing. Thecapacity of the dam is big. There is no possibility of the resident transfer in the future.	Facilities existing. The possibility of the resident transfer in the future is extremely small.	There is a village on a part within the range of the deposit. (The zone is not the subject to develop.)	Uninvestigated	Uninvestigated
Regional economies of	Job growth	Positive influence by operation.	Positive influence by operation.	Only for safety maintenance. Decrease of employment by unoperation.	Positive influence by operation.	Only for safety maintenance. Decrease o employment by unoperation.	f Positive influence by development. Securement of raw material for electric power plant.	Positive influence by operation.	Positive influence by operation.
employment and means of	Buying and selling of necessary article for business and worker's living	Positive influence by operation.	Positive influence by operation.	Economic stagnation by unoperation.	Positive influence by operation.	Economic stagnation by unoperation.	Positive influence by operation. (Necessary goods fo securement of the electric power are produced.)	r Positive influence by operation.	Positive influence by operation.
livelihood, etc.	Improvement of medical treatment and educational environment	Equiped fully as a mine bourg.	Only the elementary school on the mine site. No influence.	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated	Uninvestigated
Social infrastructure	Construction road and electric power line, etc. by demand rise Withdrawal of industrial water from river	Enough being equipped. Getting water from Krivelj river. The used amount is about 4–5% of all.	Enough being equipped The mine water is used. Getting water from the river is not scheduled.	Unoperation. Enough being equipped Used water is recycled. The shortfall of water is getting from the upstream side	Enough being equipped Uninvestigated	Unoperation. Enough being equipped Uninvestigated	Enough being equipped as a society's infrastructure. The pumped underground water is used. It is distributed to the surrounding area as agricultural	Society's infrastructure is a level that can correspond generally enough. Uninvestigated	Society's infrastructure is a level that can correspond generally enough. Uninvestigated
Natural and cultural heritage	Destruction of natural spectacle and cultural asset	Not available	Not available	brook of tailing dam.	Not available	Not available	There are ruins. (The principle is move and restoration, it is possible to develoe after the security distance of 100m is secured, if it is not	Uninvestigated	Uninvestigated
Accident	Outflow of sediments from tailing dam by heavy rain and earthquake	There are the equipments that can measure the moisted water level. But, many equipments are with a defective function. The construction of re- installation will be planned.	There is no equipment that can measure the moisted water level.	The moisted water level can be measured. The measuring equipment is a little good.	The moisted water level can be measured. The measuring equipment is good.	Uninvestigated	possible to move it.) Not available	Uninvestigated	Uninvestigated
Proposal of mitigation measures (The next column is proposes to the whole.)	 Policy making to promotion the measures of pollution prevention (preferential treatment for tax system, subsidy provision, and foundation of fund by environment tax). The execution of measures by the state and local government etc. for an existing mining pollution (For the mine where the person who has the mining right is absent). Assistance or exemption to the person entitled who won in the tender to measures against the past pollutions from mining. 	•Execution of drastic measures. (Change in the furnace type. Change of equipment type to manufacture sulfuric acid. Installation of SO2 gas processor.) •Processing of the acid water from the smelting factory. (Basically neutralizing mean). •Source survey for the processing of acid water from waste rock dam. (to execute drastic investigation of the separation for clear-murky water). •Execution of the separation for clear-murky water	Confirmation of dissolubility of pollutant in the bottom quality of the marsh. Installation of equipments to measure the moisted water level. The deforestation of the plant and the formation of the impermeable formation by the soil consolidation (to prevent the pollution of underground water).	erosion for the bank body of old tailing	Privatization completion mine. (It is necessary to correspond to environmental measures in the future.)	It is necessary to examine the mitigation measures in a concrete redevelopment plan.	This mine is off the subject of the investigation. (EIA has been executed.) The mitigation measures in EIA are not investigated.	operating condition, used equipments and	If details for the concrete process flow, the operating condition, used equipments and installation site, etc. are not decided, it is difficu to study concrete measures and the mitigation measures.