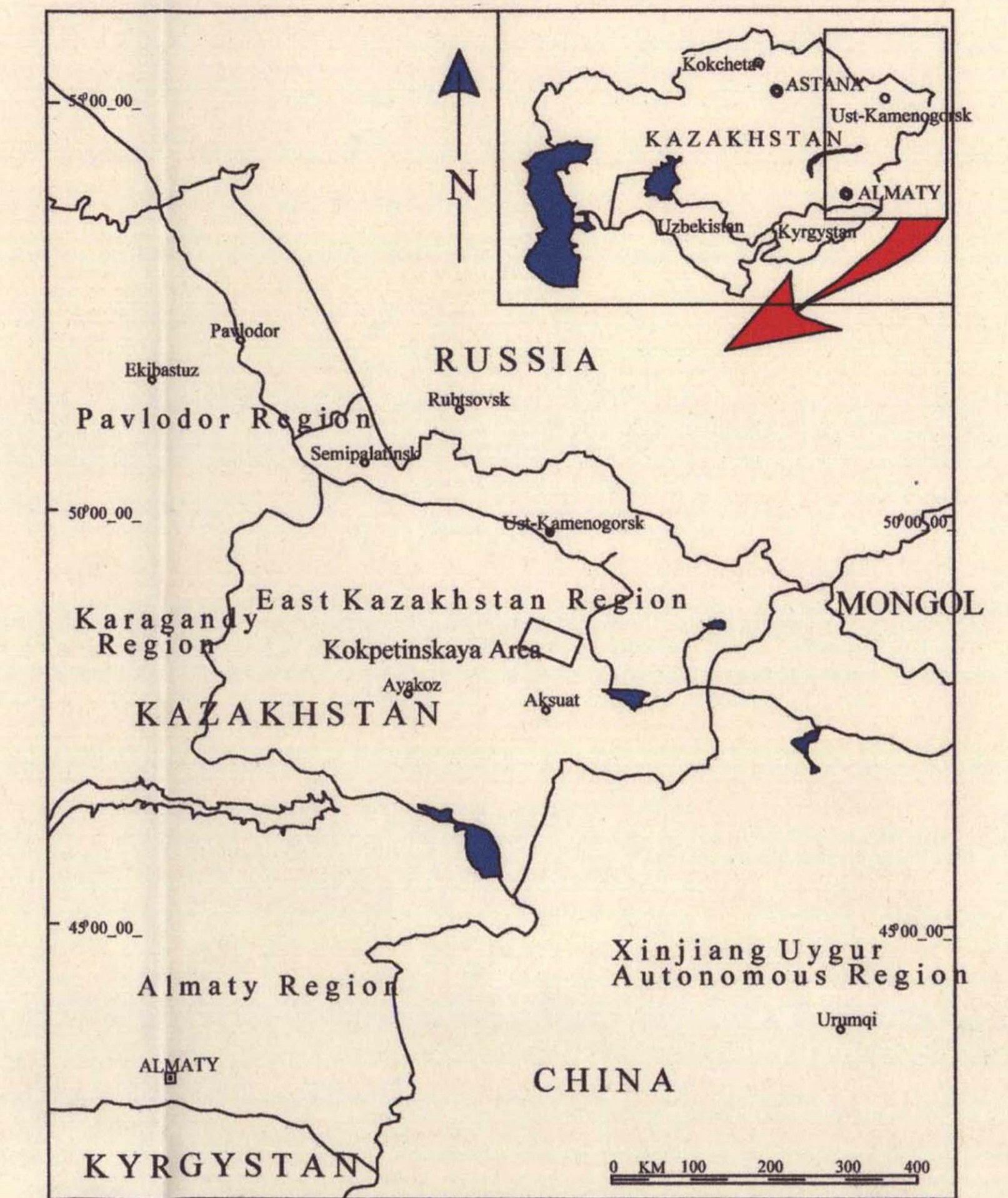


THE MINERAL EXPLORATION
IN
THE KOKPETINSKAYA AREA
THE REPUBLIC OF KAZAKHSTAN
(PHASE III)

Pl. II-2-4 Ore Reserves Block of the Karatokel Deposit



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
JANUARY 2003

LEGEND

- Drilled Hole
- 42 Profile No.
- ⑤ Ore Block No.
- Ore reserve calculated in 1991
- Ore reserve calculated in 2002 Eluvial (Cut off >50kg/m³)
- Ore reserve calculated in 2002 Alluvial (Cut off >50kg/m³)

BLOCK NUMBER	BLOCK VOLUME (m ³)	ELEMENTE GRADE (g/t)	ZINC GRADE (g/t)
1	144,928	153.9	30.1
2	2,250	55.6	12.7
3	12,257	50.1	11.8
4	65,133	69.0	7.0
5	4,487,353	68.0	12.8
6	1,533	70.0	18.0
7	1,133	58.9	11.5
8	9,097	72.5	9.2
9	14,813	57.7	7.1
10	22,750	57.1	7.5
11	3,754	85.8	8.2
12	5,171	75.8	10.0
13	875	61.1	11.7
14	4,004	58.6	11.2
15	2,708	98.4	13.1
16	2,729	55.0	8.2
17	3,887	58.1	13.2
18	15,953	54.3	9.2
19	4,857	58.9	16.2
20	15,742	69.6	11.8
21	577,838	71.7	13.6
22	4,857	62.0	13.6
23	28,158	73.9	13.0
24	141,158	32.4	5.6
25	9,467	69.1	12.9
26	4,000	75.5	22.1
27	4,167	50.1	10.6
28	4,167	50.1	10.6
29	15,375	58.8	14.0
30	28,688	60.5	9.8
31	1,818,834	71.8	11.0
32	233,927	75.2	10.6
33	55,810	74.9	12.6
34	11,783	50.2	8.2
35	1,644,450	98.4	18.7
36	15,183	115.9	16.4
37	850	163.7	5.0
38	850	52.1	7.5
39	7,333	98.6	0.8
40	4,800	59.7	8.2
41	115,250	55.4	10.2
42	14,750	71.0	11.8
43	2,823	107.1	14.4
44	2,667	72.3	11.5
45	9,842	62.5	9.9
46	2,850	54.8	8.2
47	1,833	71.7	18.2
48	1,233	87.2	22.1
49	3,000	73.3	14.6
50	2,250	100.3	2.4
51	13,857	52.4	1.7
52	20,000	57.3	3.7
53	7,500	54.3	3.5
54	7,350	51.2	8.2
55	1,825	84.7	11.2
56	1,000	55.7	10.5
57	6,887	62.8	0.3
58	4,800	50.0	0.8
59	1,013	63.0	9.1
60	16,000	64.8	0.5
61	3,528	68.7	0.5
62	27,100	52.5	0.8
63	23,600	53.0	4.3
64	5,542	77.4	0.8
65	1,300	62.1	2.4
66	17,750	58.8	1.8
67	7,425	50.1	4.3
68	8,817	52.9	1.2
Grand Total	8,878,301	74.3	13.0

