1.	Number of trench:	TD-14
2.	Project No. :	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, b1, No.2
5.	Coordinates:	27.73 N, 14.27 E
6.	Altitude:	2,413 m
7.	Name of the mine:	Siçankale (2,000) (northern chrome zone)
8.	Location and communication:	Catinardinindere, Siçankale Y., Aşkale, Erzurum, 35 minutes from Siçankale Y., on foot
9.	Type etc.:	trench for exploration
10. 11.	Host rock: Orebody:	serpentinized dunite
	Stratigraphic horizon in	
	ultrabasic rocks; Amount of the orebody;	upper horizon (footwall-side orebody) 1
	Direction of the orebody;	strike N 50°W dip 35°NE
	Direction of the office,	(Direction of the ore zone; N 60°E)
	Scale of the orebody observed;	extension to strike-side * m
	•	extension to dip-side 0.2 m
		width 0.4 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	strike E dip 80°N
14.	Ore:	
	Type of the ore ;	brecciated
	Ore minerals;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, $35\%\mathrm{Cr}_2\mathrm{O}_3$
15.	The largest scale of the	extension to strike-side 4 m
	orebody estimated:	extension to dip-side 2 m
		width 1 m
16.	Volume of the trench estimated:	250 m^3
17.	The largest amount of the ore estimated which is taken	
	from the trench:	99 ton
18.	Amount of stock of the ore:	7 ton
19.	Relation to the other trenches	t Wit
	and galleries:	TD_13 36
20.	Laboratorical tests:	TD-13,36
21.	Remarks:	refer Plate 7-2
	_	10101 1 tate (-2

1.	Number of trench:	TD-15
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, b1, No.2
5.	Coordinates:	28.93 N, 15.09 E
6.	Altitude:	2,545 m
7.		Siçankale (10,000) (northern chrome zone)
8.	Location and communication:	Akdağın Sr., Sıçankale Y., Aşkale, Erzurum 120 minutes from Sıçankale Y., on foot
9.	Type etc.:	trench for exploration
10. 11.	Host rock: Orebody:	serpentinized harzburgite
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	uppermost horizon
	Direction of the orebody;	strike N 22°E dip 66°NW
	• ,	(Direction of the ore zone; E *)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side 0.2 m
		width 0.2 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the orebody:	strike N 50°E dip 45°NW
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	brecciated
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 3 m
	orebody estimated:	extension to dip-side 2 m
		width 1 m
16.	Volume of the trench estimated:	$150 ext{ m}^3$
17.	The largest amount of the ore estimated which is taken	
10	from the trench:	21 ton
18. 19.	Amount of stock of the ore: Relation to the other trenches	•
TO.		
20.	and galleries : Laboratorical tests :	TD-16
21.	Remarks:	mafor Dieto # 0
ZI.	nemarks:	refer Plate 7-2

1.	Number of trench:	TD-16
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, b1, No.2
5.	Coordinates:	28.13 N, 15.28 E
6.	Altitude:	2,500 m
7.	Name of the mine:	Siçankale (10,000) (northern chrome zone)
8.	Location and communication:	Akdağın Sr., Sıçankale Y., Aşkale, Erzurum,
•	Many and a	120 minutes from Siçankale Y., on foot
9.	Type etc.:	trench for exploration
10. 11.	Host rock : Orebody :	serpentinized harzburgite and pyroxenite
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	uppermost horizon
	Direction of the orebody;	strike N 15°E dip 50°NW (Direction of the ore zone; E *)
	Scale of the orebody observed;	extension to strike-side * m extension to dip-side 0.2 m
	Shape of the orebody;	width 0.5 m lenticular
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	not observed
	Type of the ore ;	massive
	Ore minerals ;	chromite
	,	
-	Grade of the ore;	macroscopic estimation, 40 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 3 m
	orebody estimated:	extension to dip-side 2.5 m
	•	width 1 m
16.	Volume of the trench estimated:	155 m ³
17.	The largest amount of the ore	100 111
	estimated which is taken	
	from the trench:	26 ton
18.	Amount of stock of the ore:	10 ton
19.	Relation to the other trenches	
	and galleries:	TD-15
20.	Laboratorical tests:	X-ray diffractive analysis (D-61)
21.	Remarks:	refer Plate 7-2
		A 60000 1 M

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Number of trench:
                                      TD-17
  2.
      Project No.:
                                      78/26
  3. Area:
                                      Kopdağ
  4.
      Map No.:
                                      Erzincan, i-44, b1, No.2
  5.
      Coordinates:
                                      29.07 N.
                                                        16.50 E
  6.
     Altitude:
                                      2,375 m
  7. Name of the mine:
                                      Batı Coşan (2,000) (northern chrome zone)
  8.
      Location and communication:
                                      Bendindere, Sıçankale Y., Aşkale,
                                      Erzurum.
                                      25 minutes from Siçankale Y., by jeep
 9.
      Type etc.:
                                      trench for exploration
10.
      Host rock:
                                      strongly serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                      upper horizon
      Amount of the orebody:
                                      1
      Direction of the orebody;
                                      strike
                                                        N 12°E dip 45°W
                                      (Direction of the ore zone; N 70°E)
      Scale of the orebody observed;
                                      extension to strike-side
                                                                       m
                                      extension to dip-side
                                                                  4
                                                                       m
                                      width
                                                                  3
                                                                       m
     Shape of the orebody;
                                      lenticular
12.
     Chromite banding around the
          orebody:
                                      strike N 4° - 22°W dip 32° - 35°W
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
                                      massive, brecciated
          Ore minerals;
                                      chromite (uvarovite)
         Grade of the ore;
                                     macroscopic estimation, 30 % Cr2O3
15.
     The largest scale of the
                                     extension to strike-side
                                                                   4
                                                                       m
          orebody estimated:
                                     extension to dip-side
                                                                    3
                                                                       m
                                     width
                                                                   2
                                                                       m
     Volume of the trench estimated:
16.
                                                                 150
                                                                       m^3
17.
     The largest amount of the ore
         estimated which is taken
         from the trench :
                                                                  84 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                     TD-18,19,20,21,22,23,24,25
20.
     Laboratorical tests:
                                     polished section (Dcr-15)
21.
     Remarks:
                                     refer Plate 7-1
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		_
1.	Number of trench:	TD-18
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.2
5.	Coordinates:	28.04 N, 16.55 E
6.	Altitude:	2,403 m
7.	Name of the mine:	Batı Coşan (2,000) (northern chrome zone)
8.	Location and communication:	Bendindere, Sıçankale Y., Aşkale,
	I	Erzurum,
		25 minutes from Sıçankale Y., by jeep
9.	Type etc.:	trench for exploitation
10.		strongly serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 4°E - N 40°E dip 42° - 60°NW
	,	(Direction of the ore zone; N 70°E)
	Scale of the orebody observed;	
		extension to dip-side 2.5 m
		width 1 m
	Shape of the orebody;	layered
12.	Chromite banding around the	
	orebody:	strike N 40°E dip 43°NW
13.	Fault around the orebody:	not observed
14.	Ore:	100 00001.00
	Type of the ore;	brecciated
	Ore minerals;	chromite (uvarovite)
	,	(a. a. a
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15	The largest scale of the	extension to strike-side 20 m
15.	orebody estimated:	extension to strike-side 20 m extension to dip-side 2.5 m
	orebody estimated:	width 1.5 m
16.	Volume of the trench estimated:	350 m ³
17.	The largest amount of the ore	300 m
71.	estimated which is taken	
	from the trench:	263 ton
18.	Amount of stock of the ore:	203 6011
19.	Relation to the other trenches	-
70.	and galleries:	TID 17 10 90 91 99 92 94 95
20.	Laboratorical tests :	TD-17,19,20,21,22,23,24,25
21.	Remarks:	X-ray diffractive analysis (D-62)
41.	Remarks:	refer Plate 7-1

6.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TD-19 78/26 Kopdağ Erzincan, i-44, b1, No.2 28.07 N, 16.58 E 2,395 m Batı Coşan (2,000) (northern chrome zone) Bendindere, Sıçankale Y., Aşkale, Erzurum, 25 minutes from Sıçankale Y., by jeep
9.	Type etc. :	trench for exploitation
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed; Shape of the orebody;	strongly serpentinized dunite and serpentinite upper horizon 1 strike 40° - 50°E dip 40°NW (Direction of the ore zone; N 70°E) extension to strike-side 1 m extension to dip-side 2 m width 1 m lenticular
12.	Chromite banding around the orebody:	strike N 20° - 30°W dip 50° - 60°SW
13. 14.	Fault around the orebody: Ore: Type of the ore; Ore minerals;	not observed brecciated chromite
	Grade of the ore;	macroscopic estimation, 30 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated:	extension to strike-side 6 m extension to dip-side 2.5 m width 1.5 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	385 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	79 ton - TD-17,18,20,21,22,23,24,25
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-1

1.	Number of trench:	TD-20
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.2
5.	Coordinates:	28.11 N, 16.58 E
6.	Altitude:	2,380 m
7.		Bati Coşan (2,000) (northern chrome zone)
8.		Bendindere, Sıçankale Y., Aşkale
		Erzurum,
		25 minutes from Siçankale Y., by jeep
9.	Type etc.:	trench for exploration
10.	Host rock:	strongly serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 35°E dip 40°NW
		(Direction of the ore zone; N 70°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side 0.7 m
	Share of the such ada.	width 0.5 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive
	Ore minerals;	chromite
	Grade of the ore ;	macroscopic estimation, 30 % Cr ₂ O ₃
		- 0
15.	The largest scale of the	extension to strike-side 4 m
	orebody estimated:	extension to dip-side 2 m
		width 1 m
16.	Volume of the trench estimated:	150 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	28 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries:	TD-17,18,19,21,22,23,24,25
20.	Laboratorical tests:	- make the state of the state o
21.	Remarks:	refer Plate 7-1

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1.
        Number of trench:
                                         TD-21
   2.
        Project No.:
                                        78/26
   3. Area:
                                        Kopdag
   4. Map No.:
                                        Erzinean, i-44, bl, No.2
        Coordinates:
                                        28.13 N.
                                                          16.64 E
   6.
       Altitude:
                                        2,390 m
       Name of the mine:
   7.
                                        Batı Coşan (2,000) (northern chrome zone)
   8.
       Location and communication:
                                        Bendindere, Sıçankale Y., Aşkale,
                                        Erzurum.
                                        25 minutes from Sıçankale Y., by jeep
   9.
       Type etc.:
                                        trench for exploitation
 10.
       Host rock:
                                      strongly serpentinized dunite and serpentinite
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                       upper horizon
       Amount of the orebody;
       Direction of the orebody;
                                       strike
                                                          N 30°E dip 50°NW
                                       (Direction of the ore zone; N 70°E)
       Scale of the orebody observed;
                                       extension to strike-side
                                                                    1.5
                                       extension to dip-side
                                                                    0.5
                                                                         m
                                       width
                                                                   1.5 m
      Shape of the orebody;
                                       layered
 12.
      Chromite banding around the
          orebody:
                                       strike N 24° - 30°E dip 40° - 50°NW
      Fault around the orebody:
13.
                                       not observed
14.
      Ore:
          Type of the ore;
                                       brecciated
          Ore minerals;
                                       chromite, (uvarovite)
          Grade of the ore;
                                      macroscopic estimation, 30\% \text{ Cr}_2\text{O}_3
15.
      The largest scale of the
                                      extension to strike-side
                                                                    40
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                     1
                                                                        m
                                      width
                                                                     5
                                                                        \mathbf{m}
16.
      Volume of the trench estimated:
                                                                        m^3
                                                                   270
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   210
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TD-17,18,19,20,22,23,24,25
20.
     Laboratorical tests:
21. Remarks:
                                      refer Plate 7-1
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1.	Number of trench:	TD-22
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, b1, No.2
5.	Coordinates:	28.16 N, 16.68 E
6.	Altitude:	2,390 m
7.	Name of the mine:	Batı Coşan (2,000) (northern chrome zone)
8.	Location and communication:	Bendindere, Sıçankale Y., Aşkale,
		Erzurum,
		25 minutes from Sıçankale Y., by jeep
9.	Type etc.:	trench for exploitation
10.	Host rock:	serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 75°E dip 65°NW
		(Direction of the ore zone; N 70°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side 1 m
		width 1.5 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
14,	orebody:	strike N 15°E dip 80°W
13.	Fault around the orebody:	not observed
14.	Ore:	207 70021-02
T	Type of the ore;	massive, brecciated
	Ore minerals ;	chromite
	Ore minerals,	
	Gangue minerals :	
	Gangue minerals;	serpentine, magnetite (common)
	Gangue minerals ; Grade of the ore ;	serpentine, magnetite (common) macroscopic estimation, 30 % Cr2O3, analytical
15	Grade of the ore;	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random
15.	Grade of the ore; The largest scale of the	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m sample
15.	Grade of the ore;	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m
	Grade of the ore; The largest scale of the orebody estimated:	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m width 3 m
16.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated:	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m
	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m width 3 m
16.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m width 3 m 425 m ³
16. 17.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m sample extension to dip-side 2 m width 3 m 425 m ³
16. 17.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore:	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m width 3 m 425 m ³
16. 17.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m extension to dip-side 2 m width 3 m 425 m ³
16. 17. 18.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m sample extension to dip-side 2 m width 3 m 425 m ³ 168 ton 10 ton TD-17,18,19,20,21,23,24,25
16. 17.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m sample extension to dip-side 2 m width 3 m 425 m ³ 168 ton 10 ton TD-17,18,19,20,21,23,24,25 chemical analysis of the ore (Dcr-4)
16. 17. 18.	Grade of the ore; The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	serpentine, magnetite (common) macroscopic estimation, 30 % Cr ₂ O ₃ , analytical value, 27.22 % Cr ₂ O ₃ from the stockpile, random extension to strike-side 8 m sample extension to dip-side 2 m width 3 m 425 m ³ 168 ton 10 ton TD-17,18,19,20,21,23,24,25

1.	Number of trench:	TD-23
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, b1, No.2
5.	Coordinates:	28.14 N, 16.73 E
6.	Altitude:	2,417 m
7.	Name of the mine:	Batı Coşan (2,000) (northern chrome zone)
8.	Location and communication:	Bendindere, Sıçankale Y., Aşkale, Erzurum,
		25 minutes from Sıçankale Y., by jeep
9.	Type etc.:	trench for exploration
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	• •
	Stratigraphic horizon in	•
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike * dip *
	G1 CH	(Direction of the ore zone; N 70°E)
	Scale of the orebody observed;	extension to strike-side * m
	•	extension to dip-side 0.5 m
	Ohana et dia anti-t	width 1 m
	Shape of the orebody;	*
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	powdery -
	Ore minerals;	chromite
		••
	Grade of the ore;	macroscopic estimation, $25\% \mathrm{Cr}_2\mathrm{O}_3$
15.	The largest scale of the	extension to strike-side 4 m
	orebody estimated:	extension to dip-side . 0.5 m
	•	width 1 m
16.	Volume of the trench estimated:	20 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	. 7 ton
18.	Amount of stock of the ore:	_ :
19.	Relation to the other trenches	
	and galleries :	TD-17,18,19,20,21,22,24,25
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-1
	•	_ · ·

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Number of trench:
                                        TD-24
   2.
       Project No.:
                                        78/26
   3.
      Area:
                                        Kopdag
   4.
       Map No.:
                                        Erzincan, i-44, bl, No.2
   5.
       Coordinates:
                                        28.16 N.
                                                         16.77 E
   6.
      Altitude:
                                        2,430 m
   7. Name of the mine:
                                        Batı Coşan (2,000) (northern chrome zone)
       Location and communication:
   8.
                                        Bendindere, Sıçankale Y., Aşkale,
                                        Erzurum.
                                        25 minutes from Siçankale Y., by jeep
  9.
       Type etc.:
                                        trench for exploration
 10. Host rock:
                                       serpentinite (powdery)
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks:
                                       upper horizon
      Amount of the orebody;
                                       1
       Direction of the orebody;
                                       strike
                                                         N 65°E dip
                                       (Direction of the ore zone;
                                                                   N 70°E )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         \mathbf{m}
                                       extension to dip-side
                                                                   0.5
                                                                         m
                                       width
                                                                   1.5
                                                                         m
      Shape of the orebody;
12.
      Chromite banding around the
           orebody:
                                       not observed
13.
      Fault around the orebody:
                                       not observed
14.
          Type of the ore:
                                       powdery
          Ore minerals:
                                       chromite
          Grade of the ore;
                                      macroscopic estimation, 25 % Cr2O3
15.
      The largest scale of the
                                      extension to strike-side
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                    0.5 m
                                      width
                                                                   1.5 m
16.
      Volume of the trench estimated:
                                                                   53
                                                                        m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  16
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches .
         and galleries:
                                      TD-17,18,19,20,21,22,23,25
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-1
```

```
1.
      Number of trench:
                                       TD-25
  2.
      Project No.:
                                       78/26
  3. Area:
                                       Kopdag
  4.
      Map No.:
                                       Erzincan, i-44, b1, No.2
  5.
      Coordinates:
                                       28.16 N.
                                                         16.79 E
  6.
      Altitude:
                                       2,415 m
  7.
      Name of the mine:
                                       Bati Coşan (2,000) (northern chrome zone)
 8.
      Location and communication:
                                       Bendindere, Sıçankale Y., Aşkale,
                                       Erzurum,
                                       25 minutes from Siçankale Y., by jeep
 9.
      Type etc.:
                                       trench for exploration
10.
      Host rock :
                                       strongly serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
                                      upper horizon
          ultrabasic rocks:
      Amount of the orebody:
                                       1
      Direction of the orebody;
                                                         N 90°E dip 38°N
                                      strike
                                      (Direction of the ore zone; N 70°E)
      Scale of the orebody observed;
                                      extension to strike-side
                                      extension to dip-side
                                                                   1
                                                                        m
                                      width
                                                                  1
                                                                        m
      Shape of the orebody;
                                      lenticular
12.
     Chromite banding around the
          orebody:
                                      strike N 50°E dip 50°NW
13.
      Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
                                      brecciated
          Ore minerals;
                                      chromite (uvarovite)
          Grade of the ore;
                                      macroscopic estimation, 30 % Cr2O3
     The largest scale of the
15.
                                      extension to strike-side
                                                                    5
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                    2
                                                                        m
                                      width
                                                                    1.5 m
16.
     Volume of the trench estimated:
                                                                  120 \text{ m}^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   45 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TD-17,18,19,20,21,22,23,24
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-1
```

1.	Number of trench:	TD 00
2.	Project No.:	TD-26
3.	Area:	78/26
4.	Map No.:	Kopdağ Erzincan, i-44, b2, No.1
5.	Coordinates:	28.59 N, 17.84 E
6.	Altitude:	2,520 m
7.	Name of the mine :	Büyüksivri Tepe (10,000)(northern chrome zone)
8.	Location and communication:	Büyüksivri Tepe, Sıçankale Y., Aşkale,
		Erzurum, 35 minutes from Sıçankale Y.,
		on foot and by car
9.	Type etc.:	trench for exploration
10.	Host rock:	
11.	Orebody:	serpentinite (powdery)
1.4.●	Stratigraphic horizon in	
	ultrabasic rocks ;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	
	The second of the second ,	(Direction of the ore zone; **
	Scale of the orebody observed;	extension to strike-side 25 m
	,	extension to dip-side 10 m
		width 1 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
12.	orebody:	atmiles N 149 E * Jim 90s W *
13.	Fault around the orebody:	strike N 14°E * dip 28°W * strike N 10°W dip 30°E
14.	Ore:	Strike is to waip so E
	Type of the ore;	disseminated, powdery
	Ore minerals ;	chromite
	,	
	Grade of the ore;	macroscopic estimation, $35\%~\mathrm{Cr}_2\mathrm{O}_3$
15.	The largest scale of the	extension to strike-side 25 m
	orebody estimated:	extension to strike-side 25 m extension to dip-side 10 m
		width 1 m
16.	Volume of the trench estimated:	323 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	175 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries:	TD-27,28
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-1

1.	Number of trench:	TD-27
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Trabzon, h-44, c3, No.4
5.	Coordinates:	28.98 N, 18.40 E
6.	Altitude:	2,625 m
7.	Name of the mine :	Büyük sivri Tepe (10,000) (northern chrome zone)
8.	Location and communication:	Büyuk sivri Tepe, Sıçankale Y., Aşkale,
		Erzurum, 35 minutes from Sıçankale Y.,
		on foot and by car
9.	Type etc.:	pit for exploration
10.	Host rock :	strongly serpentinized dunite and serpentinite
		(powdery)
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks ;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 80°E dip *
		(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side 6 m
		extension to dip-side 0.5 m
	Chang of the archada.	width 0.5 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	brecciated, powdery
	Ore minerals ;	chromite
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
	drade of the ore,	macroscopic estimation, 35 % C12O3
15.	The largest scale of the	extension to strike-side 6 m
	orebody estimated:	extension to dip-side 1 m
		width 3 m
16.	Volume of the trench estimated:	70 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	63 ton
18.	Amount of stock of the ore:	1 ton
19.	Relation to the other trenches	TID 00 00
00	and galleries:	TD-26,28
20.	Laboratorical tests:	nofen Dieke H 1
21.	Remarks:	refer Plate 7-1

```
1.
      Number of trench:
                                        TD-28
  2.
      Project No.:
                                        78/26
                                        Kopdag
  3.
      Area:
  4.
      Map No.:
                                        Trabzon, h-44, c3, No.4
      Coordinates:
                                        28.89 N.
                                                          18.45 E
  6.
                                        2,590 m
      Altitude:
  7.
      Name of the mine:
                                        Büyük sivri Tepe (10,000) (northern chrome zone)
      Location and communication:
                                        Büyük sivri Tepe, Sıçankale Y., Aşkale,
                                        Erzurum,
                                                    35 minutes from Sıçankale Y.,
                                        on foot and by car
 9.
      Type etc.:
                                        trench for exploration
 10.
      Host rock:
                                        serpentinized dunite
 11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks:
                                       upper horizon
      Amount of the orebody;
      Direction of the orebody;
                                       strike
                                                                  dip *
                                        (Direction of the ore zone;
                                                                             )
      Scale of the orebody observed;
                                        extension to strike-side
                                                                          m
                                        extension to dip-side
                                                                    0.5
                                                                          m
                                       width
                                                                    0.02 m
      Shape of the orebody;
                                       lenticular
12.
      Chromite banding around the
          orebody:
                                       not observed
      Fault around the orebody:
13.
                                       not observed
14.
      Ore:
          Type of the ore;
                                       brecciated
          Ore minerals:
                                       chromite
          Grade of the ore;
                                       macroscopic estimation, 35 % Cr<sub>2</sub>O<sub>3</sub>
15.
      The largest scale of the
                                       extension to strike-side
                                                                      7
                                                                          m
          orebody estimated:
                                       extension to dip-side
                                                                      1
                                                                          m
                                       width
                                                                      3
                                                                          m
16.
      Volume of the trench estimated:
                                                                  2,700
                                                                          m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                     74
                                                                         ton
18.
     Amount of stock of the ore:
                                       11 ton
     Relation to the other trenches
19.
          and galleries:
                                       TD-26,27
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-1
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_		
1.	Number of trench:	TD-29
2.	Project No. :	78/26
3.	Area:	Kopdağ
4.	Map No.:	Trabzon, h-44, c3, No.4
5.	Coordinates:	29.98 N, 18.65 E
6.	Altitude:	2,665 m
	Name of the mine:	Coşan (2,000) (northern chrome zone)
8.	Location and communication:	Iskınlığındere, Kop, Bayburt, Gümüşhane,
	` .	30 minutes from Sıçankale Y., by car
9.	Type etc. :	trench for exploitation
10.	Host rock:	serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	,
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 40°E dip 40°NW
	• 1	(Direction of the ore zone; N 45°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side 0.5 m
		width 1 m
	Shape of the orebody;	lenticular
		-
12.	Chromite banding around the	
	orebody:	strike N 50°W dip 50°SW
13.	Fault around the orebody:	strike N dip 85°W
14.	Ore:	
	Type of the ore;	brecciated
	Ore minerals;	chromite
	Grade of the ore ;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 15 m
	orebody estimated:	
	orebody estimated:	extension to dip-side 1.5 m width 1.5 m
16.	Volume of the trench estimated:	
17.	The largest amount of the ore	1,375 m ³
	estimated which is taken	
	from the trench:	118 ton
18.	Amount of stock of the ore:	118 ton
19.	Relation to the other trenches	
~~•	and galleries:	TC-30, TD-30,31,32,33,34,35,38
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-1
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1.
       Number of trench:
                                        TD-30
  2.
       Project No.:
                                        78/26
  3.
      Area:
                                       Kopdağ
  4.
      Map No.:
                                       Trabzon, h-44, c3, No.4
  5.
      Coordinates:
                                       30.23 N
                                                         18.71 E
  6.
      Altitude:
                                       2,600 m
  7.
      Name of the mine:
                                       Coşan (2,000) (northern chrome zone)
      Location and communication:
  8.
                                       Iskınlığındere, Kop, Bayburt, Gümüşhane,
                                       30 minutes from Sıçankele Y., by car
  9.
      Type etc.:
                                       trench for exploration
 10.
      Host rock:
                                       serpentinized dunite
 11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon
      Amount of the orebody:
                                       1
      Direction of the orebody:
                                       strike
                                                         N 10°W dip
                                                                      85°E *
                                       (Direction of the ore zone;
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                   0.5
                                                                         m
                                       width
                                                                   2
                                                                         m
      Shape of the orebody;
                                       layered
                                       Orebody is found in the fault zone.
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                       strike N 40°W - 20°E dip 80°NE
14.
      Ore:
          Type of the ore;
                                       massive, brecciated
          Ore minerals;
                                       chromite
          Grade of the ore;
                                      macroscopic estimation, 35 % Cr2O3
15.
     The largest scale of the
                                      extension to strike-side
                                                                    13
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                     5
                                                                        m
                                      width
                                                                     2
                                                                        m
     Volume of the trench estimated:
16.
                                                                7,875
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  455
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TC-30, TD-29,31,32,33,34,35,38
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-1
```

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TD-31* 78/26 Kopdağ Trabzon, h-44, c3, No.4 30.05 N, 18.73 E 2,655 m Coşan (2,000) (northern chrome zone) Iskınlığındere, Kop, Bayburt, Gümüşhane 30 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploitation
10. 11.	Host rock : Orebody : Stratigraphic horizon in ultrabasic rocks ;	serpentinized dunite upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 30°E, N 75°E dip 80°NW, 70°S (in turn) (Direction of the ore zone; N 45°E)
	Scale of the orebody observed;	extension to strike-side 55 m extension to dip-side 2.5 m width 3 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the orebody:	strike N 50°- 90°W dip 20°- 68°SW
13.	Fault around the orebody:	strike N 45° - 50°W dip 45°SW, 85°NE
14.	Ore:	N 25° - 60°E dip 50° - 65°NW, 70°SE etc.
	Type of the ore;	massive, disseminated, breceiated, powdery
	Ore minerals :	chromite (uvarovite) (kaemmererite)
	Gangue minerals;	serpentine, magnetite (common)
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 50 m
	orebody estimated:	extension to dip-side 2 m
10	Training of the formal and a start of	width 1.5 m
16. 17.	Volume of the trench estimated: The largest amount of the ore	2,800 m ³
11.	estimated which is taken	
10	from the trench:	763 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	MC 00 MD 00 00 00 00 04 05 00
20.	and galleries : Laboratorical tests :	TC-30, TD-29, 30, 32, 33, 34, 35, 36
21.	Remarks:	polished section (Dcr-14) refer Plate 7-1
41	Tomethe :	Terer Plate (-1

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TD-32 *
 1.
      Number of trench:
      Project No.:
 2.
                                       78/26
 3. Area:
                                       Kopdag
                                       Trabzon, h-44, c3, No.4
 4.
      Map No.:
                                       30.20 N,
 5.
      Coordinates:
                                                         18.79 E
                                       2,630 m
 6
     Altitude:
                                       Coşan (2,000) (northern chrome zone)
 7.
      Name of the mine:
                                       Iskinligindere, Kop, Bayburt, Gümüşhane
 8.
      Location and communication:
                                       30 minutes from Siçankale Y., by car
 9.
      Type etc.:
                                       trench for exploitation
10.
      Host rock:
                                       serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks:
                                       upper horizon
      Amount of the orebody;
      Direction of the orebody;
                                       strike
                                                         N 10°W - E dip 60° - 70°W
                                       (Direction of the ore zone;
                                                                   N
                                                                            )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                     3
                                                                         m
                                       width
                                                                     2
                                                                         m
      Shape of the orebody;
                                       layered
12.
      Chromite banding around the
          orebody:
                                       strike N 40° - 50°W dip 40° - 60°SW
13.
      Fault around the orebody:
                                       strike N 10° - 40° E dip 40°
                                       Fault is observed along the hangingwall
                                       of the orebody.
14.
     Ore:
          Type of the ore;
                                       massive, disseminated, banded
          Ore minerals;
                                       chromite
          Gangue minerals;
                                       serpentine, artinite, brucite
          Grade of the ore;
                                       macroscopic estimation, 35 - 40 % Cr<sub>2</sub>O<sub>3</sub>
15.
     The largest scale of the
                                       extension to strike-side
                                                                     90
                                                                         m
          orebody estimated:
                                                                      7
                                       extension to dip-side
                                                                         m
                                                                      4
                                       width
                                                                         m
16.
     Volume of the trench estimated:
                                                                 8,970
                                                                         m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  7,290
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                       TC-30, TD-29,30,31,33,34,35,38
20.
     Laboratorical tests:
                                       X-ray diffractive analysis (D-63)
21.
                                       refer Plate 7-1
     Remarks:
```

```
1.
      Number of trench:
                                        TD-33 *
  2.
      Project No.:
                                        78/26
  3.
      Area:
                                        Kopdag
  4.
      Map No.:
                                        Trabzon, h-44, c3, No.4
  5.
      Coordinates:
                                        30.25 N.
                                                           18.81 E
      Altitude:
  6.
                                        2,592 m
  7.
      Name of the mine:
                                        Coşan (2,000) (northern chrome zone)
 8.
      Location and communication:
                                        Iskinliğindere, Kop, Bayburt, Gümüşhane
                                        30 minutes from Siçankale Y., by car
 9.
      Type etc.:
                                        trench for exploitation
10.
      Host rock:
                                        serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon
      Amount of the orebody;
      Direction of the orebody:
                                       strike
                                                                  dip 40°W
                                       (Direction of the ore zone:
                                                                    N
      Scale of the orebody observed;
                                       extension to strike-side
                                                                    45
                                                                          m
                                       extension to dip-side
                                                                     5
                                                                          m
                                                                                           ( )
                                       width
                                                                     10
                                                                          m
      Shape of the orebody;
                                       lenticular
12.
      Chromite banding around the
          orebody:
                                       strike N 20° W - N 45° E dip 40° - 50° W
13.
      Fault around the orebody:
                                       strike N 10° - 30°W dip 40° - 60°W, 65° - 70°E etc.
14.
     Ore:
          Type of the ore;
                                       massive, banded
          Ore minerals;
                                       chromite
          Gangue minerals;
                                       serpentine, magnetite (abundant), olivine
                                       macroscopic estimation, 35 % Cr<sub>2</sub>O<sub>3</sub>
          Grade of the ore;
                                       analytical value, 37.59 % Cr2O3 from the
                                       stockpile, random sample
15.
      The largest scale of the
                                       extension to strike-side
                                                                      45 m
          orebody estimated:
                                       extension to dip-side
                                                                       10 m
                                       width
                                                                       13 m
16.
      Volume of the trench estimated:
                                                                  17,770 m<sup>3</sup>
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  21,875 ton
18.
      Amount of stock of the ore:
                                       variable
19.
     Relation to the other trenches
          and galleries:
                                       TC-30, TD-29, 30, 32, 34, 35, 38
20.
     Laboratorical tests:
                                       chemical analysis of the ore (Dcr-6)
                                       polished section (Dcr-6)
21.
     Remarks:
                                       refer Plate 7-1
```

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1.
     Number of trench:
                                      TD-34
                                      78/26
 2.
     Project No. :
                                      Kopdağ
 3. Area:
 4. Map No.:
                                      Trabzon, h-44, c3, No.4
 5. Coordinates:
                                      30.66 N,
                                                        18.78 E
     Altitude:
 6.
                                      2,485 m
 7.
     Name of the mine:
                                      Coşan (2,000) (northern chrome zone)
 8.
     Location and communication:
                                      Iskinligindere, Kop, Bayburt, Gümüşhane
                                      30 minutes from Sicankale Y., by car
9.
     Type etc.:
                                      trench for exploration
10.
     Host rock :
                                     strongly serpentinized dunite
11.
     Orebody:
     Stratigraphic horizon in
         ultrabasic rocks;
                                      upper horizon (footwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                        N 52°W dip
                                                                     60°NE
                                      (Direction of the ore zone;
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                  0.3
                                                                        m
                                                                  0.5
                                      width
                                                                        m
     Shape of the orebody;
                                      lenticular
12.
     Chromite banding around the
                                      not observed
         orebody:
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
                                      brecciated
         Type of the ore;
         Ore minerals;
                                      chromite
                                      macroscopic estimation, 35 % Cr2O3
         Grade of the ore;
15.
     The largest scale of the
                                      extension to strike-side
                                                                   4
                                                                        m
                                                                   2.5 m
         orebody estimated:
                                      extension to dip-side
                                                                   0.5 m
                                      width
16.
     Volume of the trench estimated:
                                                                 500
                                                                        m^3
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
                                                                  18
                                                                        ton
18.
     Amount of stock of the ore:
                                      4 ton
19.
     Relation to the other trenches
         and galleries:
                                      TC-30, TD-29, 30, 31, 32, 33, 35, 38
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-1
```

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1.
      Number of trench:
                                       TD-35
  2.
      Project No.:
                                       78/26
  3.
      Area:
                                       Kopdag
  4.
      Map No.:
                                       Trabzon, h-44, c3, No.4
  5.
      Coordinates:
                                       30.85 N,
                                                         18.91 E
  6.
      Altitude:
                                       2,470 m
  7.
      Name of the mine:
                                       Coşan (2,000) (northern chrome zone)
      Location and communication:
                                       Iskinligindere, Kop, Bayburt, Gümüshane
                                       30 minutes from Siçankale Y., by car
 9.
      Type etc.:
                                       trench for exploration
10.
      Host rock:
                                       serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon
      Amount of the orebody:
      Direction of the orebody;
                                      strike
                                                         N 20°E dip 60°E
                                       (Direction of the ore zone; N 15°W)
      Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                       extension to dip-side
                                                                  2
                                                                        m
                                      width
                                                                  1.5 m
      Shape of the orebody:
                                      lenticular
12.
      Chromite banding around the
          orebody:
                                      strike N 10° - 15°W dip 30°W
13.
      Fault around the orebody:
                                      strike N 3° - 35°E dip 50° - 60°SE etc.
14.
     Ore:
          Type of the ore;
                                      brecciated
          Ore minerals :
                                      chromite
          Grade of the ore;
                                      macroscopic estimation, 35 % Cr2O3
15.
      The largest scale of the
                                                                    15 m
                                      extension to strike-side
          orebody estimated:
                                      extension to dip-side
                                                                     4 m
                                      width
                                                                     3 m
16.
      Volume of the trench estimated:
                                                                 2,660 \text{ m}^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   630 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TC-30, TD-29,30,31,32,33,34,38
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-1
```

1.		
	Number of trench:	TD-36 (not surveyed in detail)
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.2
5.	Coordinates:	27.66 N, 13.77 E
6.	Altitude:	2,315 m
	Name of the mine:	Siçankale (2,000) (northern chorme zone)
8.	Location and communication:	Catinardınındere, Sıçankale Y., Aşkale, Erzurum,
		25 minutes from Siçankale Y., on foot
9.	Type etc.:	pit for exploration
10.	Host rock:	serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	*
	Direction of the orebody;	strike * dip *
		(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
		width * m
	Shape of the orebody;	*
10	Character the Land State Course Lat	
12.	Chromite banding around the	TUREDA HIS TOOD IS AN ANALYS
	orebody:	strike N 30°E dip 40°NW
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive
	Ore minerals ;	chromite
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side * m
15.	The largest scale of the orebody estimated:	extension to strike-side * m extension to dip-side * m
	orebody estimated:	
16.	orebody estimated: Volume of the trench estimated:	extension to dip-side * m
	orebody estimated: Volume of the trench estimated: The largest amount of the ore	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
16.	orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
16. 17.	orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
16. 17.	orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore:	extension to dip-side
16. 17.	orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches	extension to dip-side
16. 17. 18. 19.	orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	extension to dip-side
16. 17.	orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench: Amount of stock of the ore: Relation to the other trenches	extension to dip-side

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TD-37 (not surveyed in detail) 78/26 Kopdağ Trabzon, h-44, c4, No.3 29.23 N, 14.35 E 2,350 m Sıçankale (10,000) (northern chrome zone) Karadere, Sıçankale Y., Aşkale, Erzurum, 60 minutes from Sıçankale Y., on foot
9.	Type etc. :	2 pits for exploration
10.	Host rock:	strongly serpentinized harzburgite, serpen-
10.	Host rock:	tinite
11.	Orebody:	
	Stratigraphic horizon in	and the state of
	ultrabasic rocks; Amount of the orebody;	upper horizon -
	Direction of the orebody;	strike N 20°E, N 35°W dip 52°NW, 50°NE (in turn)
	birconon of the oregody,	(Direction of the ore zone; N 60°W)
	Scale of the orebody observed;	extension to strike-side * m
	·	extension to dip-side 1 m
		width 0.5 m
	Shape of the orebody;	lenticular
12.	Chromito handing around the	
14.	Chromite banding around the orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	1100 00002.00
	Type of the ore ;	brecciated
	Ore minerals;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, 40 % Cr ₂ O ₃ *
15.	The largest scale of the	extension to strike-side 10 m
	orebody estimated:	extension to dip-side 1 m
	•	width 2 m
16.	Volume of the trench estimated:	30 m ³
17.	The largest amount of the ore	
	estimated which is taken	•
10	from the trench:	20 ton
18.	Amount of stock of the ore:	
19.	Relation to the other trenches	
20.	and galleries : Laboratorical tests :	-
21.	Remarks:	no sketch map

-	Normaliana and description	TD 20 (not approved to detail)
$\frac{1}{2}$.	Number of trench:	TD-38 (not surveyed in detail) 78/26
3.	Project No. :	Kopdag
4.	Map No. :	Trabzon, h-44, c3, No.4
5.	Coordinates:	31.12 N, 19.04 E
	Altitude:	2,405 m
	Name of the mine :	Coşan (10,000) (northern chrome zone)
8.		Iskinligindere, Kop, Bayburt, Gümüşhane, 35 minutes from Sıçankale Y., on foot and by car
9.	Type etc.:	trench for exploration
10.	Host rock:	strongly serpentinized dunite
11.	Orebody:	•
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 35°W dip 40°NE
	Cools of the evaluate absorbed .	(Direction of the ore zone; N) extension to strike-side * m
	Scale of the orebody observed;	extension to strike-side * m extension to dip-side 0.6 m
		width 0.6 m
	Shape of the orebody;	*
	Simple of the crowday,	
12.	Chromite banding around the	
	orebody:	strike N 10°E dip 40°SE
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore ;	brecciated, (powdery)
	Ore minerals;	chromite
-	Grade of the ore ;	macroscopic estimation, 40 % Cr2O3
15.	The largest scale of the	extension to strike-side 9 m
	orebody estimated:	extension to dip-side 1 m
16.	Volume of the trench estimated:	width 0.6 m 27 m ³
17.	The largest amount of the ore	27 m ³
T1.	estimated which is taken	
	from the trench:	19 ton
18.	Amount of stock of the ore:	
19.	Relation to the other trenches	•
-	and galleries:	TD-35
20.	Laboratorical tests:	_
21.	Remarks:	no sketch map
	€ i	-

1.	Number of trench:	TD-39
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Trabzon, h-44, c3, No.4
5.	Coordinates :	31.79 N, 21.50 E
6.	Altitude:	2,150 m
7.	•	Çamlı Tepe (10,000) (northern chrome zone)
8.	Location and communication:	Arapçayırıdere, Kop, Bayburt, Gümüşhane
-	Taganton and admirantamental.	100 minutes from Siçankale Y., on foot and
		by car
9.	Type etc.:	pit for exploration
10.	Host rock :	strongly serpentinized dunite and serpen-
10.	Host rock :	tinite
11.	-	
	Stratigraphic horizon in	
	ultrabasic rocks ;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 50° - 60° E dip 60° NW
		(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side 10 m
	•	extension to dip-side 1 m
		width 1 m
	Shape of the orebody;	layered
	• •	•
12.	Chromite banding around the	
	orebody:	strike N 80°E dip 80°N
13.	Fault around the orebody:	assumed, strike N 65°W, dip *
14.	Ore:	-
	Type of the ore;	massive
	Ore minerals;	chromite
	Grade of the ore ;	macroscopic estimation, 35 % Cr ₂ O ₃
		40
15.	The largest scale of the	extension to strike-side 10 m
	orebody estimated:	extension to dip-side 1 m
		width 1 m
16	Volume of the trench estimated:	20 _m 3
17.	The largest amount of the ore	
	estimated which is taken	
10	from the trench:	very small
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
00	and galleries:	-
20.	Laboratorical tests:	- Diaka # 1
21.	Remarks:	refer Plate 7-1

1.	Number of trench:	TD-40
2.	Project No. :	78/26
3.	Area:	Kopdağ
4.		Erzurum, i-45, a1, No.4
5.		17.40 N, 32.56 E
	Altitude:	2,000 m
7.		Çırmıt (25,000)
8.	Location and communication:	Köy Tepe, Çırmıt, Aşkale, Erzurum, 80 minutes from Aşkale on foot and by jeep
9.	Type etc. :	trench for exploration
10.	Host rock:	serpentinized harzburgite
11.	Orebody:	•
	Stratigraphic horizon in	
	ultrabasic rocks ;	lower horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 30°E dip 85°NW
		(Direction of the ore zone; N 30°E)
	Scale of the orebody observed;	
		extension to dip-side 0.5 m
	Chana of the anahoder	width 0.5 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive
	Ore minerals;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, 40 % Cr2O3
15.	The largest scale of the	extension to strike-side 10 m
	orebody estimated:	extension to dip-side 0.7 m
		width 1 m
16.	Volume of the trench estimated:	20 m ³
17.	The largest amount of the ore	
	estimated which is taken	
4 0	from the trench:	24 ton
18.	Amount of stock of the ore:	6 ton
19.	Relation to the other trenches	
00	and galleries:	TD-41
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-9

1.	Number of trench:	TD-41
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzurum, i-45, a1, No.4
	Coordinates:	17.30 N, 32.50 E
	Altitude:	2,020 m
	Name of the mine:	Çırmıt (25,000)
8.	Location and communication:	Köy Tepe, Çırmıt, Aşkale, Erzurum,
		80 minutes from Aşkale on foot and by
0	177	jeep
9.	Type etc.:	trench for exploration
10.	Host rock:	gomoutininal barriers
11.	Orebody:	serpentinized harzburgite
	Stratigraphic horizon in	
	ultrabasic rocks ;	lower horizon
	Amount of the orebody ;	1
	Direction of the orebody;	
	Direction of the oregoty;	
	Scale of the orebody observed;	(Direction of the ore zone; N 30°E) extension to strike-side 12 m
	sould of the ofessay observed,	
	Shape of the orebody;	layered 1.5 m
		-
12.	Chromite banding around the	Footwall of the orebody runs along the fault
	orebody:	not observed
13.	Fault around the orebody:	strike N 20°E dip 80°W
14.	Ore:	DW 150 14 20 13 Clip 00 44
	Type of the ore;	massive
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 35 % Cr2O3
		_ •
15.	The largest scale of the	extension to strike-side 12 m
	orebody estimated:	extension to dip-side 2 m
		width 1.5 m
16.	Volume of the trench estimated:	$26 ext{ m}^3$
17.	The largest amount of the ore	
	estimated which is taken	
# 0	from the trench:	very small
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
00	and galleries:	TD-40
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-9

```
1.
       Number of trench:
                                        TD-42 (not surveyed in detail)
  2.
       Project No.:
                                        78/26
  3.
      Area:
                                        Kopdag
  4.
       Map No.:
                                        Trabzon, h-44, c3, No.4
  5.
       Coordinates:
                                        30.65 N,
                                                          19.05 E
  6.
      Altitude:
                                        2,540 m
  7.
      Name of the mine:
                                        Coşan (2,000) (northern chrome zone)
  8.
      Location and communication:
                                        Iskinliğindere, Kop, Bayburt, Gümüşhane,
                                        30 minutes from Sıçankale Y., by car
  9.
      Type etc.:
                                        trench for exploration
 10.
      Host rock:
                                       dunite
 11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks :
                                       upper horizon
      Amount of the orebody:
                                       1
      Direction of the orebody;
                                       strike
                                                         N 50°W dip
                                                                       10°SW
                                       (Direction of the ore zone;
                                                                            )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                          m
                                       extension to dip-side
                                                                          m
                                       width
                                                                         m
      Shape of the orebody;
                                       Powdery orebody is found in the trench.
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                       not observed
14.
      Ore:
          Type of the ore;
                                       powdery
          Ore minerals;
                                       chromite
          Grade of the ore:
                                       macroscopic estimation.
                                       analytical value,
15.
      The largest scale of the
                                       extension to strike-side
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Volume of the trench estimated:
16.
                                                                         m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                      very small
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TC-30, TD-33
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TD-43 (not surveyed in detail) 78/26 Kopdag Trabzon, h-44, c3, No.4 29.95 N, 18.64 E 2,663 m Coşan (2,000) (northern chrome zone) Iskinliğindere, Kop, Bayburt, Gümüşhane, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	2 trenches for exploration
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	<pre>dunite upper horizon * * (Direction of the ore zone; N 45°E) *</pre>
	Shape of the orebody;	*
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals; Grade of the ore;	not observed not observed * *
15.	The largest scale of the orebody estimated:	*
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	25 m ³
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries:	TD-29
20. 21.	Laboratorical tests: Remarks:	no sketch map

1. 2. 3. 4. 5. 6. 7.		TD-44 (not surveyed in detail) 78/26 Kopdag Trabzon, h-44, c3, No.4 20.07N, 19.00 E 2,630 m Coşan (2,000) (northern chrome zone) Iskinliğindere, Kop, Bayburt, Gümüşhane, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	2 trenches for exploration
10. 11.	Host rock: Orebody: Stratigraphic horizon in	dunite
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	*
	Direction of the orebody;	*
	Scale of the orebody observed;	(Direction of the ore zone; *) *
	Shape of the orebody;	* placer deposit
12.	Chromite banding around the orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	100 00001 00
***	Type of the ore;	disseminated
	Ore minerals;	chromite
	Grade of the ore ;	*
15.	The largest scale of the	
	orebody estimated:	*
16.	Volume of the trench estimated :	6 m ³
17.	The largest amount of the ore	o mo
-1.	estimated which is taken	
	from the trench:	very small
18.	Amount of stock of the ore:	an annual and
19.	Relation to the other trenches	
	and galleries:	-
20.	Laboratorical tests:	-
21.	Remarks:	no sketch map
	_,	-

1.	Number of trench:	TD-45 (not surveyed in detail)
		78/26
	Area:	Kopdağ
		Trabzon, h-44, c3, No.4
	2/2-p 2.0	30.15 N, 18.76 E
	000	2,651 m
		Coşan (2,000) (northern chrome zone)
	Name of the mine:	Iskınlığındere, Kop, Bayburt, Gümüşhane,
8.	Location and communication:	30 minutes from Siçankale Y., by car
		30 minutes from Significate 1.1 by our
		turnsh for exploration
9.	Type etc.:	trench, for exploration
		dunite
10.	Host rock:	dunte
11.	Orebody:	
	Stratigraphic horizon in	• •
	ultrabasic rocks ;	upper horizon
	Amount of the orebody;	•
	Direction of the orebody;	(F000 v
		(Direction of the ore zone; N 20°E)
	Scale of the orebody observed;	extension to strike-side - m
		extension to dip-side - m
		width – m
	Shape of the orebody;	-
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.		
7.7.	Type of the ore;	_
	Ore minerals;	-
	Ore minerals,	
	Charle of the one .	_
	Grade of the ore;	
	ent to continue the	
15.	The largest scale of the	
	orebody estimated:	•
		10 m ³
16.	Volume of the trench estimated:	10 III-
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	440
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries:	TD-31,32
20.	Laboratorical tests:	-
21.	Remarks:	no sketch map
41.	Tiching in	-

1. 2. 3. 4. 5. 6. 7. 8.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TD-46 78/26 Kopdağ Erzincan, i-44, b1, No.2 28.04 N, 16.56 E 2,400 m Batı Coşan (2,000) (northern chrome zone) Bendindere, Sıçankale Y., Aşkale, Erzurum, 25 minutes from Sıçankale Y., by jeep
9.	Type etc.:	trench
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	serpentinized dunite
	Shape of the orebody;	This trough was made for cornings road
12.	Chromite banding around the orebody:	This trench was made for carriage road. not observed
13.	Fault around the orebody:	not observed
14.	Ore:	not observed
	Type of the ore;	_
	Ore minerals;	-
	Grade of the ore;	-
15.	The largest scale of the orebody estimated:	-
16.	Volume of the trench estimated:	*
17.	The largest amount of the ore	
	estimated which is taken from the trench:	_
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
,	and galleries:	TD-18
20.	Laboratorical tests :	-
21.	Remarks:	no sketch map

		4-
1.	Number of trench:	⁷⁵ ŤM-1*
2.	Project No.:	′′ [~] 78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.1
5.	Coordinates:	27.09 N, 07.64 E
6.	Altitude:	2,000 m
7.	Name of the mine:	Sulu (2,000) (northern chrome zone)
8.	Location and communication : '^	Güllünündere, Sıçankale Y., Aşkale,
	بالأنج المتراجع المتر	Erzurum,
		30 minutes from Siçankale Y., by car
9.	Type etc.:	trench for exploitation
10.	Host rock : Alexa hexagin	Serpentinite
11.	Orebody:	upper horizon
	Stratigraphic horizon in	upper horizon (hangingwall-side, footwall-
	ultrabasic rocks;	side orebody)
	Amount of the orebody;	3 * N 50° - 85°E 40° - 80°N
	Direction of the orebody;	strike N 30° - 69°W, dip 31° - 48°SW
		(Direction of the ore zone; N 70°E, N 85°E)
	Scale of the orebody observed;	extension to strike-side 30 m
		extension to dip-side 20 m
		width 4 m
	Shape of the orebody;	lenticular, Orebody in the trench cannot be determined whether it belongs to the hanging-wall-side or footwall-side
12.	Chromite banding around the	
	orebody:	strike N 69°W - 87°W dip 40° - 41°S
13.	Fault around the orebody	strike N 43°W, N 32°E dip 47°SW, 45°NW
14.	Ore:	(in turn)
	Type of the ore;	massive, banded
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 40 - 48% Cr ₂ O ₃
		analytical value, 47.22% Cr ₂ O ₃ from the out-
	mi 1 1	crop, high-grade part
15.	The largest scale of the	extension to strike-side 40 m
	orebody estimated:	extension to dip-side 10 m
10	TT-1 of the tree of estimated	width 8 m
16.	Volume of the trench estimated:	18,000 m ³
17.	The largest amount of the ore	a control of
	estimated which is taken from the trench:	. 7 500 ton
18.	Amount of stock of the ore:	7,500 ton
19.	Relation to the other trenches	Assume a state of the state of
19.	and callering	TC-10,11,12,13,14,15,TM-1,2,GC-1,2,6,
	and galleries :	GX-1
20.	Laboratorical tests:	'chemical analysis of the ore (Ccr-2)
40.	nabolatolical tests :	polished section (Ccr-2)
21.	Remarks:	refer Plate 7-3
C/L	Tiomarko .	TOTOL Plate 1.0

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1.
       Number of trench:
                                        TM-2
        Project No.:
   2.
                                        78/26
   3.
       Area:
                                        Kopdağ
   4.
       Map No.:
                                        Erzincan, i-44, bl, No.1
   5.
       Coordinates:
                                        27.06 N.
                                                          07.64 E
   6.
       Altitude:
                                        2,025 m
   7.
       Name of the mine:
                                        Sulu (2,000) (northern chrome zone)
       Location and communication:
                                        Güllünündere, Sıçankale Y., Aşkale,
                                        Erzurum
                                        30 minutes from Siçankale Y., by car
       Type etc.:
                                        trench for exploitation
 10.
       Host rock:
                                        serpentinite (powdery)
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                       upper horizon (footwall-side orebody)
       Amount of the orebody;
       Direction of the orebody;
                                       strike
                                                          N 60°E dip
                                       (Direction of the ore zone; N 85°E)
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                   2
                                                                         m
                                       width
                                                                 >1.5
                                                                         m
      Shape of the orebody;
                                       lenticular
 12.
      Chromite banding around the
          orebody:
                                       strike N 40°E dip 48°NW
 13.
      Fault around the orebody:
                                       not observed
 14.
      Ore:
          Type of the ore;
                                       massive
          Ore minerals:
                                       chromite
          Grade of the ore;
                                       macroscopic estimation,
15.
      The largest scale of the
                                       extension to strike-side
                                                                    20
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                     2
                                                                        m
                                      width
                                                                     3
                                                                        m
16.
      Volume of the trench estimated:
                                                                   600
                                                                        ^{\mathrm{m}^{3}}
      The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                   280
                                                                       ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TC-14,31, TM-1, GX-1, GC-1
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-3
```

		**
1.	Number of trench:	TM-3
2.	Project No. :	78/26
3.		Kopdağ
1.		Erzincan, i-44, a2, No.2
5.	Coordinates:	24.30 N, 05.05 E
6.	Altitude:	2,115 m
7.	Name of the mine:	Rembe Gil (2,000) (northern chrome zone)
8.	Location and communication:	Keşandere, Cancikkomu, Aşkale, Erzurum,
0.	Hooteless that community is	60 minutes from Siçankale Y., on foot and
		by car
9.	Type etc.:	trench for exploitation, covered by debris
٧.	No company to the contract of	mostly
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	
11.	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	1 *
	Direction of the orebody;	strike N 40° E* dip 58° SE*
		(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side * m
	Doute of 112 of 200 and 100 an	extension to dip-side * m
		width 1 m
	Shape of the orebody;	layered
12.	Chromite banding around the	
	orebody:	strike N 10°E, N 65°E dip 65°E, 25°NW (in turn)
13.	Fault around the orebody:	strike N 57°W, N 28°W dip 30°NE, 20°NE (in turn)
14.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals;	chromite (uvarovite) (kaemmererite)
	Grande of the ore;	macroscopic estimation, 25 - 35 % Cr ₂ O ₃
	• • •	analytical value, 27.53% Cr ₂ O ₃ from the
		stockpile, random sample
15.	The largest scale of the	extension to strike-side 30 m
	orebody estimated:	extension to dip-side 4 m
	·	width 2 m
16.	Volume of the trench estimated:	3,100 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	840 ton
18.	Amount of stock of the ore:	>100 ton
19.	Relation to the other trenches	
	and galleries:	TB-3, TM-4, GB-3
	ana parrozios .	
20.	Laboratorical tests:	chemical analysis of the ore (Bcr-4)
20. 21.		

```
1.
       Number of trench:
                                        TM-4
   2.
       Project No.:
                                        78/26
   3.
       Area:
                                        Kopdag
       Map No.:
   4.
                                        Erzincan, i-44, a2, No.2
       Coordinates:
   5.
                                        24.32 N.
                                                          04.97 E
   6.
       Altitude:
                                        2,145 m
   7.
       Name of the mine:
                                        Pembe Gül (2,000) (northern chrome zone)
  8.
       Location and communication:
                                       Keşandere, Cancıkkomu, Aşkale, Erzurum,
                                        75 minutes from Sıçankale Y., on foot and
                                        by car
  9.
       Type etc.:
                                        trench for exploration
 10.
       Host rock:
                                       serpentinite (powdery)
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks:
                                       upper horizon (hangingwall-side orebody)
       Amount of the orebody;
       Direction of the orebody;
                                       strike
                                                N 2° - 60° W
                                                                       32° - 54°W, SW
                                                                 dip
                                       (Direction of the ore zone;
                                                                            )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
                                       lenti cular
12.
      Chromite banding around the
          orebody:
                                       strike N 10°E - N 8°W dip 52° - 80°E
      Fault around the orebody:
13.
                                       not observed
14.
      Ore:
          Type of the ore;
                                       massive powdery
          Ore minerals:
                                       chromite
          Grade of the ore;
                                       macroscopic estimation,
15.
      The largest scale of the
                                      extension to strike-side
                                                                    12 m
          orebody estimated:
                                      extension to dip-side
                                                                     2.5 m
                                      width
                                                                     1.5 m
16.
      Volume of the trench estimated:
                                                                   200
                                                                        m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   160 ton
18.
     Amount of stock of the ore:
                                      3 ton
19.
     Relation to the other trenches
          and galleries:
                                      TB-3, TM-4
20.
     Laboratorical tests:
     Remarks:
21.
                                      refer Plate 7-5
```

```
Number of trench:
                                       TX-1
  2.
      Project No.:
                                       78/26
  3. Area:
                                       Kopdag
  4. Map No.:
                                       Erzincan, i-44, b1, No.2
  5. Coordinates:
                                       27.64 N,
                                                         12.57 E
  6. Altitude:
                                       2.135 m
  7.
      Name of the mine:
                                       Siçankale (2,000) (northern chrome zone)
  8.
      Location and communication:
                                       Hezologundere, Sıçankale Y., Aşkale,
                                       Erzurum,
                                       5 minutes from Sicankale Y., on foot
 9.
      Type etc.:
                                       trench for exploration
10. Host rock:
                                       strongly serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon (hangingwall-side orebody)
      Amount of the orebody;
      Direction of the orebody:
                                       strike
                                                         N 60°E dip *
                                       (Direction of the ore zone;
                                                                           )
      Scale of the orebody observed;
                                      extension to strike-side
                                                                        \mathbf{m}
                                       extension to dip-side
                                                                        m
                                      width
                                                                   2
                                                                        m
     Shape of the orebody;
                                      layered
12.
     Chromite banding around the
          orebody:
                                      strike N 20°E dip 24°W
13.
     Fault around the orebody:
                                      strike N 10° - 76°W dip 53°W, 40°NW, 35°S
14.
     Ore:
          Type of the ore;
                                      disseminated
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation, 30 % Cr2O3
     The largest scale of the
15.
                                      extension to strike-side
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Volume of the trench estimated:
16.
                                                                   80
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
                                      very small
19.
     Relation to the other trenches
          and galleries:
                                      TX-2,4,5,6,7
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-2
```

```
1.
       Number of trench:
                                        TX-2
   2.
       Project No.:
                                        78/26
   3. Area:
                                        Kopdag
   4.
       Map No.:
                                        Erzincan, i-44, b1, No.2
   5.
       Coordinates:
                                        27.75 N.
                                                          12.58 E
   6.
       Altitude:
                                        2,170 m
   7.
       Name of the mine:
                                       Siçankale (10,000) (northern chrome zone)
  8.
       Location and communication:
                                       Hezologundere, Sıçankale Y., Aşkale,
                                       Erzurum, 25 minutes from Sıçankale Y.,
                                       on foot
  9.
       Type etc.:
                                       trench for exploration
 10.
      Host rock :
                                       strongly serpentinized dunite
 11.
      Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                       upper horizon (hangingwall-side*orebody)
      Amount of the orebody;
      Direction of the orebody;
                                       strike
                                                                 dip
                                       (Direction of the ore zone;
                                                                           )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                      not observed
14.
      Ore:
          Type of the ore;
          Ore minerals;
          Grade of the ore:
                                      macroscopic estimation,
15.
      The largest scale of the
                                      extension to strike-side
                                                                  2
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  0.7
                                                                        m
                                      width
                                                                  1
                                                                        m
16.
     Volume of the trench estimated:
                                                                  3
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TX-1,4,5,6,7
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-2
```

1.	Number of trench:	TX-3
2.	Project No.:	78/26
3.	Area:	Kopdag
4.		Erzincan, i-44, b1, No.2
	Map No.:	
5.	Coordinates:	•
6.		2,315 m
	Name of the mine:	Sigankale (10,000) (northern chrome zone)
8.	Location and communication:	Kırımıztaş Sr., Sıçankale Y., Aşkale, Erzurum,
		30 minutes from Siçankale Y., on foot
9.	Type etc.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (hangingwall-side orebody)
	Amount of the orebody;	strike * din *
	Direction of the orebody;	off the
		(Direction of the ore zone; N 70°E*)
	Scale of the orebody observed;	CAMBIDIT to DILITO DIGO
		extension to dip-side
	Chang of the enchader.	width * m
	Shape of the orebody;	
12.	Charmita handing around the	No orebody is observed in the trench.
14.	Chromite banding around the	not observed
10	orebody:	
13. 14.	Fault around the orebody:	strike N 45° - 70°W dip 55°NE, 40°SE etc.
14.	Ore:	*
	Type of the ore;	
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 40 - 45 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 5 m
	orebody estimated:	extension to dip-side 1.5 m
	·	width 3 m
16.	Volume of the trench estimated:	$470 ext{m}^3$
17.	The largest amount of the ore	
	estimated which is taken	<i>,</i> •
	from the trench:	80 ton
18.	Amount of stock of the ore:	2 ton
19.	Relation to the other trenches	•
	and galleries:	TX-11
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-2

```
Number of trench:
 1.
                                       TX-4
 2.
      Project No.:
                                       78/26
 3.
     Area:
                                       Kopdağ
      Map No.:
                                       Erzincan, i-44, bl. No.2
 5.
      Coordinates:
                                       27.63 N,
                                                         12.34 E
 6.
      Altitude:
                                       2,150 m
 7.
      Name of the mine:
                                       Siçankale (2,000) (northern chrome zone)
 8.
      Location and communication:
                                       Hezologundere, Sıçankale Y., Aşkale,
                                       Erzurum,
                                       5 minutes from Siçankale Y., on foot
 9.
      Type etc.:
                                       trench for exploration
10.
      Host rock:
                                       strongly serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon (hangingwall-side orebody)
      Amount of the orebody:
      Direction of the orebody;
                                       strike
                                                                 dip
                                       (Direction of the ore zone;
                                                                           )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                       not observed
      Fault around the orebody:
13.
                                      not observed
14.
     Ore:
          Type of the ore;
          Ore minerals;
                                       macroscopic estimation,
          Grade of the ore;
      The largest scale of the
15.
                                       extension to strike-side
                                                                    2
                                                                        m
          orebody estimated:
                                                                    0.7 m
                                       extension to dip-side
                                      width
                                                                        m
16.
      Volume of the trench estimated:
                                                                   20
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TX-1,2,5,6,7
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-2
```

```
Number of trench:
 1.
                                     TX-5
 2.
     Project No.:
                                      78/26
 3.
     Area:
                                      Kopdağ
 4.
     Map No.:
                                      Erzincan, i-44, b1, No.2
 5.
     Coordinates:
                                                        12.21 E
                                      27.63 N,
 6. Altitude:
                                      2,182 m
 7.
     Name of the mine:
                                      Sicankale (2,000) (northern chrome zone)
     Location and communication:
                                      Hezologundere, Sıçankale Y., Aşkale
 8.
                                      Erzurum,
                                      5 minutes from Siçankale Y., on foot
 9.
     Type etc. :
                                      trench for exploration
10.
     Host rock:
                                      strongly serpentinized dunite
     Orebody:
11.
     Stratigraphic horizon in
          ultrabasic rocks :
                                      upper horizon (hangingwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                                                dip *
                                      strike
                                      (Direction of the ore zone;
                                                                          )
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
12.
     Chromite banding around the
          orebody:
                                      strike N 85°E dip 37°N
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
          Ore minerals:
                                      macroscopic estimation,
          Grade of the ore;
                                      extension to strike-side
                                                                  3
15.
     The largest scale of the
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  0.6
                                                                        m
                                      width
                                                                        m
                                                                  6
                                                                        m^3
     Volume of the trench estimated:
16.
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
     Amount of stock of the ore:
18.
19.
     Relation to the other trenches
          and galleries:
                                      TX-1,2,4,6,7
20.
     Laboratorical tests:
     Remarks:
21.
                                      refer Plate 7-2
```

```
1.
       Number of trench:
                                        TX-6
   2.
       Project No.:
                                        78/26
   3. Area:
                                       Kopdağ
  4.
       Map No. :
                                       Erzincan, i-44, b1, No.2
       Coordinates:
                                       27.59 N.
                                                          12.24 E
  6.
       Altitude:
                                       2,160 m
  7.
      Name of the mine:
                                       Siçankale (2,000) (northern chrome zone)
  8.
       Location and communication:
                                       Hezologundere, Sıçankale Y., Aşkale,
                                       Erzurum,
                                       5 minutes from Sıçankale Y., on foot
  9.
       Type etc.:
                                       trench for exploration
 10.
      Host rock:
                                       strongly serpentinized dunite
 11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks;
                                       upper horizon (hangingwall-side orebody)
      Amount of the orebody;
      Direction of the orebody;
                                       strike
                                                                 dip
                                       (Direction of the ore zone;
                                                                           )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                      not observed
      Fault around the orebody:
13.
                                      not observed
14.
      Ore:
          Type of the ore;
          Ore minerals:
          Grade of the ore;
                                      macroscopic estimation,
      The largest scale of the
15.
                                      extension to strike-side
                                                                  2
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  0.5
                                                                        m
                                      width
                                                                  2
                                                                        m
16.
     Volume of the trench estimated:
                                                                  3
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  7
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TX-1,2,4,5,7
20.
     Laboratorical tests:
21.
     Remarks:
                                     refer Plate 7-2
```

```
Number of trench:
    1.
                                         TX-7
   2.
        Project No.:
                                         78/26
   3.
        Area:
                                         Kopdag
   4.
        Map No.:
                                         Erzincan, i-44, b1, No.2
   5.
        Coordinates:
                                         27.58 N,
                                                           12.25 E
   6.
       Altitude:
                                         2,155 m
   7.
        Name of the mine:
                                         Siçankale (2,000) (northern chrome zone)
   8.
        Location and communication:
                                         Hezologundere, Sıçankale Y., Aşkale,
                                         Erzurum,
                                         5 minutes from Sıçankale Y., on foot
   9.
        Type etc.:
                                         trench for exploration
  10.
       Host rock:
                                         strongly serpentinized dunite
  11.
       Orebody:
       Stratigraphic horizon in
            ultrabasic rocks;
                                        upper horizon (hangingwall-side orebody)
       Amount of the orebody;
       Direction of the orebody;
                                        strike
                                                                  dip
                                        (Direction of the ore zone;
                                                                             )
       Scale of the orebody observed;
                                        extension to strike-side
                                                                          m
                                        extension to dip-side
                                                                          m
                                        width
                                                                          m
       Shape of the orebody;
 12.
       Chromite banding around the
           orebody:
                                        not observed
 13.
       Fault around the orebody:
                                        not observed
 14.
      Ore:
           Type of the ore;
           Ore minerals ;
          Grade of the ore;
                                       macroscopic estimation,
      The largest scale of the
15.
                                       extension to strike-side
                                                                    2
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    0.5
                                                                         \mathbf{m}
                                       width
                                                                         m
      Volume of the trench estimated:
16.
                                                                    3
                                                                         m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
18.
      Amount of stock of the ore:
19.
      Relation to the other trenches
          and galleries:
                                       TX-1,2,4,5,6
20.
      Laboratorical tests:
21.
      Remarks:
                                       refer Plate 7-2
```

```
1.
          Number of trench:
                                                 (not surveyed in detail)
                                          8-XT
     2.
          Project No.:
                                          78/26
     3.
         Area:
                                          Kopdağ
     4.
         Map No. :
                                          Erzincan, i-44, b1, No.2
     5.
         Coordinates:
                                          27.90 N.
                                                            13.30 E
     6.
         Altitude:
                                          2,160 m
     7.
         Name of the mine:
                                          Siçankale (10,000) (northern chrome zone)
         Location and communication:
    8.
                                         Aksudere, Sıçankale Y., Aşkale, Erzurum,
                                         30 minutes from Siçankale Y., on foot
    9.
         Type etc. :
                                         trench
   10.
        Host rock :
   11.
        Orebody:
        Stratigraphic horizon in
            ultrabasic rocks;
                                         upper horizon
        Amount of the orebody;
        Direction of the orebody;
                                         strike
                                                                  dip
                                        (Direction of the ore zone; N 60°E)
        Scale of the orebody observed;
                                        extension to strike-side
                                                                          m
                                        extension to dip-side
                                                                          m
                                        width
       Shape of the orebody;
                                                                          m
  12.
       Chromite banding around the
           orebody:
                                        not observed
       Fault around the orebody:
 13.
                                        not observed
 14.
       Ore:
           Type of the ore;
           Ore minerals;
           Grade of the ore;
                                       macroscopic estimation,
      The largest scale of the
 15.
                                       extension to strike-side
          orebody estimated:
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
16.
      Volume of the trench estimated:
                                                                        m
      The largest amount of the ore
17.
                                                                        m^3
          estimated which is taken
          from the trench:
     Amount of stock of the ore:
18.
     Relation to the other trenches
19.
          and galleries:
                                      TX-9,10
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

1.	Number of trench:	TX-9
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No. :	Erzincan, i-44, bl, No.2
5.	Coordinates:	27.95 N, 13.35 E
6.	Altitude:	2,170 m
7.	Name of the mine:	Siçankale (10,000) (northern chrome zone)
8.	Location and communication:	Aksudere, Sıçankale Y., Aşkale, Erzurum,
		30 minutes from Sicankale Y., on foot by
		car jeep
9.	Type etc.:	3 pits for exploration
		•
10.	Host rock :	strongly serpentinized dunite
11.	Orebody:	, .
	Stratigraphic horizon in	
	ultrabasic rocks ;	upper horizon
	Amount of the orebody;	1 -
	Direction of the orebody;	strike N 80°E dip *
	·	(Direction of the ore zone; N 60°E)
	Scale of the orebody observed;	extension to strike-side 2 m
		extension to dip-side * m
		width 0.4 m
	Shape of the orebody;	lenticular
	•	
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	strike N 80°E dip 62°- 64°S
14.	Ore:	·
	Type of the ore ;	massive
	Ore minerals ;	chromite
	Grade of the ore;	macroscopic estimation, 40 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 10 m
	orebody estimated:	extension to dip-side 0.5 m
		width 0.4 m
16.	Volume of the trench estimated:	2 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	7 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries :	TX-8,10
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-2

1.	Number of trench:	TX-10
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzinean, i-44, b1, No.2
5.	Coordinates:	28.05 N, 13.60 E
6.	Altitude:	2,240 m
7.	Name of the mine:	Siçankale (10,000) (northern chrome zone)
8.	Location and communication:	Aksudere, Sıçankale Y., Aşkale, Erzurum,
		30 minutes from Siçankale Y., on foot
9.	Type etc.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 50°E dip * 40°SE
		(Direction of the ore zone; N 60°E)
	Scale of the orebody observed;	extension to strike-side 40 m
		extension to dip-side * m
		width 6 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
	orebody:	strike N 10° - 37°E dip 46° - 70°W
13.	Fault around the orebody:	strike N 10°E dip 89°W
14.	Ore:	1, 2, 2 ap et
	Type of the ore;	massive, disseminated
	Ore minerals;	chromite
	Grade of the ore ;	macroscopic estimation, 30 % Cr ₂ O ₃
16	The largest goals of the	autonaios to stuite aide
15.	The largest scale of the orebody estimated:	extension to strike-side 25 m
	orebody estimated:	extension to dip-side 7 m width 7 m
16.	Volume of the trench estimated:	width 7 m 10,500 m ³
17.	The largest amount of the ore	10,500 m
111	estimated which is taken	
	from the trench:	4,290 ton
18.	Amount of stock of the ore:	22 ton
19.	Relation to the other trenches	HE WIL
,	and galleries:	TX-8,9
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-2
	77 A 400 to 1 1 1 1 1	TOTOL LIGIG 1"A

1.	Number of trench:	TX-11
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, b1, No.2
5.	Coordinates:	28.65 N, 12.33 E
6.	Altitude:	2,260 m
7.	Name of the mine:	Siçankale (10,000) (northern chrome zone)
8.		Hezologundere, Sıçankale Y., Aşkale, Erzurum,
		30 minutes from Siçankale Y., on foot
9.	Type etc.:	trench, gallery for exploitation
10. 11.	Host rock: Orebody:	strongly serpentinized dunite
TT.	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (hangingwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike * dip *
		(Direction of the ore zone; N 70°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
		width * m
	Shape of the orebody;	*
10	Chaomita harding around the	
12.	Chromite banding around the	
10	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	*
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 40 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 5 m
	orebody estimated:	extension to dip-side 2 m
		width 1.5 m
16.	Volume of the trench estimated:	170 m ³
17.	The largest amount of the ore	-
	estimated which is taken	
	from the trench:	70 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
T0 +		TX-3
20.	and galleries : Laboratorical tests :	TVn
	Remarks:	refer Plate 7-2
21.	nemarks:	refer blace 1-7

1. 2.	Number of trench: Project No.:	TY-1 (not surveyed in detail)	
3.	Area:	Kopdağ	
4.	Map No.:	Tortum, H-45, d4, No.4	
5.	Coordinates:	30.62 N, 30.24 E	
6.	Altitude:	2,190 m	
7.	Name of the mine:	Henegenindere (north of Gülabikomu) (25,00	0)
8.	Location and communication:	(east Kop chrome zone) Henegenindere, Hasbeykomu. Aşkale, Erzurum, 40 minutes from Pırnakapan, on foot and by jeep	
9.	Type etc.:	trench, gallery (closed) for exploration	
10. 11.	Host rock: Orebody:	serpentinized harzburgite *	
	Stratigraphic horizon in		
	ultrabasic rocks :	middle horizon	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 35°E dip *	
	Direction of the officery,		
	Scale of the orebody observed;	(Direction of the ore zone; *) extension to strike-side * m	
	,	extension to dip-side * m	
		width * m	
	Shape of the orebody;	*	
12.	Chromite banding around the orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	*	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, *	
15.	The largest scale of the	extension to strike-side 10 m	
	orebody estimated:	extension to dip-side 2 m	
	·	width 1 m	
16.	Volume of the trench estimated:	36 m ³	
17.	The largest amount of the ore estimated which is taken		
10	from the trench:	35 ton	
18.	Amount of stock of the ore:	*	
19.	Relation to the other trenches		
00	and galleries:	-	
20.	Laboratorical tests:	•	
21.	Remarks:	refer Plate 7-8	

	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TY-2 78/26 Kopdağ Erzurum, i-45, a1, No.1 27.13 N, 32.85 E 1,870 m Gülabikomu (25,000) (east Ko Bozburun Sr., Gülabikomu, A 10 minutes from Gülabikomu	Aşkale	, Erzurum,
9.	Type etc.:	pit for exploration		
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks;	serpentinized harzburgite middle horizon		
	Amount of the orebody;	1		
	Direction of the orebody;	strike N 60°E*di (Direction of the ore zone;	•	°NW *
	Scale of the orebody observed;	extension to strike-side extension to dip-side width	* * 0.2	m m m
	Shape of the orebody;	layered		
12.	Chromite banding around the orebody:	strike N 60°E dip 25°NW not observed		
13. 14.	Fault around the orebody: Ore:			
	Type of the ore; Ore minerals;	banded chromite		
	Grade of the ore;	macroscopic estimation,	15 % (Cr ₂ O ₃
15.	The largest scale of the orebody estimated:	extension to strike-side extension to dip-side width	4 1 0.5	m m m
16.	Volume of the trench estimated:	W LOUI	5	m ³
17.	The largest amount of the ore estimated which is taken from the trench:			ton
18.	Amount of stock of the ore:		7	ton.
19.	Relation to the other trenches	-		
79.	and galleries:	TV 9 -19		
20.	Laboratorical tests:	TY- 3-13		
	Remarks:			
21.	Remarks:	refer Plate 7-8		

1.	Number of trench:	TY-3	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzurum, i-45, a1, No.1	
5.	Coordinates:	27.19 N, 32.80 E	
6.	Altitude:	1,875 m	
	Name of the mine:	Gülabikomu (25,000) (east Kop	chrome zone)
8.		Bozburum Sr., Gülabikomu,	
		10 minutes from Gülabikomu,	•
9.	Type etc. :	pit for exploration	
10. 11.	Host rock: Orebody:	serpentinized harzburgite	
11.	Stratigraphic horizon in		
	ultrabasic rocks;	middle horizon	
	Amount of the orebody;	*	
	Direction of the orebody;	strike * dip	*
	Direction of the orestay,	-	N 80°E)
	Scale of the orebody observed;	•	* m
	board of the officery observed,		* m
		-	* m
	Shape of the orebody;	*	
12.	Chromite banding around the		
	orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	banded	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation,	*
15.	The largest scale of the	extension to strike-side	3 m
	orebody estimated:	extension to dip-side	0.4 m
	-	width	0.3 m
16.	Volume of the trench estimated:		1 m ³
17.	The largest amount of the ore		
	estimated which is taken		
	from the trench:		1 ton
18.	Amount of stock of the ore:	very small	
19.	Relation to the other trenches		
	and galleries:	TY-2, 4-13	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-8	

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TY-4 78/26 Kopdag Erzurum, i-45, a1, No.1 27.21 N, 32.84 E 1,880 m Gülabikomu (25,000) (east Kop chrome zone) Bozburun Sr., Gülabikomu, Aşkale, Erzurum, 10 minutes from Gülabikomu on foot
9.	Type etc. :	2 pits for exploration
10. 11.	Host rock : Orebody : Stratigraphic horizon in	serpentinized harzburgite
	ultrabasic rocks ;	middle horizon
	Amount of the orebody; Direction of the orebody;	strike N 50°E, N 72°E dip 72°SE, 65°NW (in turn)
	Scale of the orebody observed;	(Direction of the ore zone; N 80°E) extension to strike-side * m extension to dip-side 0.4 m
	Shape of the orebody;	width 0.55 m layered Orebody is dislocated by fault
12.	Chromite banding around the orebody:	not ovserved
13.	Fault around the orebody:	strike N 50°E dip 70°SE (strike fault)
14.	Ore:	14
	Type of the ore; Ore minerals;	disseminated chromite
	Grade of the ore;	macroscopic estimation, $20-25\%$ Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 9 m
	orebody estimated:	extension to dip-side 1 m width 8 m
16.	Volume of the trench estimated:	width 8 m 15 m ³
17.	The largest amount of the ore estimated which is taken from the trench:	
1.8.	Amount of stock of the ore:	18 ton
19.	Relation to the other trenches	
	and galleries:	TY-2,3
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-8

```
Number of trench:
                                      TY-5
 1.
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
                                      Erzurum, i-45, a1, No.1
 4.
     Map No.:
                                      27.35 N.
                                                        32.54 E
     Coordinates:
                                      1,877 m
     Altitude:
 6.
     Name of the mine:
                                      Gulabikomu (25,000) (east Kop chorme zone)
 7.
                                      Bozburun Sr., Gülabikomu, Aşkale, Erzurum,
 8.
     Location and communication:
                                      10 minutes from Gülabikomu, on foot
 9.
                          ....... ... pit.for exploration
     Type etc.:
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                      middle horizon
          ultrabasic rocks;
                                      1 *
     Amount of the orebody;
                                                        N 60°E dip
     Direction of the orebody;
                                      strike
                                      (Direction of the ore zone;
                                                                  N 30°W )
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
12.
     Chromite banding around the
                                      strike N 60°E dip 45°NW
          orebody:
                                      not observed
13.
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
                                      chromite
         Ore minerals;
         Grade of the ore;
                                      macroscopic estimation.
15.
     The largest scale of the
                                      extension to strike-side
                                                                   6
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   0.5 m
                                      width
                                                                   1
                                                                        m
16.
     Volume of the trench estimated:
                                                                  12
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  10
                                                                        ton
     Amount of stock of the ore:
18.
19.
     Relation to the other trenches
         and galleries:
                                      TY-6,7,8,9,10,11,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
TY-6
 1. Number of trench:
                                      78/26
 2. Project No.:
                                      Kopdag
 3. Area:
                                      Erzurum, i-45, a1, No.1
 4. Map No.:
                                      27.77 N.
                                                        32.48 E
 5. Coordinates:
 6. Altitude:
                                      1,877 m
 7. Name of the mine:
                                      Gülabikomu (25,000) (east Kop chrome zone)
 8.
     Location and communication:
                                      Bozburun Sr., Gülabikomu, Aşkale, Er-
                                      zurum.
                                      10 minutes from Gülabikomu, on foot
 9.
     Type etc.:
                                      pit for exploration
10. Host rock:
11.
     Orebody:
     Stratigraphic horizon in
         ultrabasic rocks:
                                      middle horizon
     Amount of the orebody;
                                      1 *
     Direction of the orebody;
                                      strike
                                                        N 65° W dip
                                      (Direction of the ore zone;
                                                                 N 30°W )
     Scale of the orebody observed;
                                      extension to strike-side
                                                                       m
                                      extension to dip-side
                                                                       m
                                      width
                                                                       m
     Shape of the orebody;
12.
     Chromite banding around the
         orebody:
                                      strike N 70° -
                                                      60°W dip 32° - 42°NE
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
         Type of the ore;
         Ore minerals;
                                      chromite
                                      macroscopic estimation, * 30 % Cr2O3
         Grade of the ore;
15.
     The largest scale of the
                                      extension to strike-side
                                                                   12 m
         orebody estimated:
                                      extension to dip-side
                                                                    0.9\,\mathrm{m}
                                                                    1.5 m
                                      width
16.
     Volume of the trench estimated:
                                                                  100 	ext{ m}^3
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
                                                                   55 ton
18.
     Amount of stock of the ore:
                                      5 ton (30\% Cr_2O_3)
     Relation to the other trenches
19.
         and galleries:
                                      TY-5,7,8,9,10,11,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
1.
       Number of trench:
                                       TY-7
  2.
       Project No.:
                                       78/26
  3.
       Area:
                                       Kopdag
  4.
       Map No.:
                                       Erzurum, i-45, a1, No.1
  5.
       Coordinates:
                                       27.38 N.
                                                         32.45 E
  6.
       Altitude:
                                       1,878 m
  7. Name of the mine:
                                       Gülabikomu (25,000) (east Kop chrome zone)
      Location and communication:
                                       Bozburun Sr., Gülabikomu, Aşkale, Erzurum,
                                       10 minutes from Gülabikomu, on foot
  9.
      Type etc.:
                                       pit for exploration
 10.
      Host rock:
 11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks:
                                       middle horizon
      Amount of the orebody;
      Direction of the orebody;
                                      strike
                                                                 dip
                                       (Direction of the ore zone;
                                                                  N 30°W )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                        m
                                       extension to dip-side
                                                                        m
                                       width
                                                                        m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                      strike N 80°E dip 42°N
13.
      Fault around the orebody:
                                      not observed
14.
      Ore:
          Type of the ore;
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation,
15.
      The largest scale of the
                                      extension to strike-side
                                                                   5
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   1
                                                                        m
                                      width
                                                                 1.5
                                                                        m
16.
      Volume of the trench estimated:
                                                                  30
                                                                        m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench :
                                                                  25
                                                                       ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-5,6,8,9,10,11,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
1.
      Number of trench:
                                       TY-8
  2.
      Project No.:
                                       78/26
  3. Area:
                                       Kopdag
  4.
      Map No.:
                                       Erzurum, i-45, al, No.1
  5.
      Coordinates:
                                                         32.45 E
                                       27.37 N.
  6.
      Altitude:
                                       1,879 m
      Name of the mine:
  7.
                                       Gülabikomu (25,000) (east Kop chrome zone)
  8.
      Location and communication:
                                       Bozburun Sr., Gülabikomu, Aşkale, Erzurum,
                                       10 minutes from Gülabikomu, on foot
 9.
      Type etc.:
                                       pit
10.
      Host rock:
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks :
                                       middle horizon
      Amount of the orebody;
                                       1
      Direction of the orebody:
                                       strike
                                                         N 75° W dip
                                       (Direction of the ore zone; N 30°W)
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody:
12.
      Chromite banding around the
          orebody:
                                       strike N 75°W dip 42°N
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore:
          Ore minerals;
                                       chromite
          Grade of the ore;
                                      macroscopic estimation,
15.
      The largest scale of the
                                      extension to strike-side
                                                                    15
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                     2
                                                                        m
                                      width
                                                                     3.3 \, \mathrm{m}
16.
     Volume of the trench estimated:
                                                                   480
                                                                        m^3
      The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                  350 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-5,6,7,9,10,11,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
TY-9
     Number of trench:
 1.
                                      78/26
     Project No.:
                                      Kopdag
 3.
     Area:
                                      Erzurum, i-45, a1, No.1
 4.
     Map No.:
                                      27.37 N.
                                                         32.42 E
 5.
     Coordinates:
                                      1,885 m
 6.
     Altitude:
                                      Gülabikomu (25,000) (east Kop chrome zone)
 7.
     Name of the mine:
                                      Bozburun Sr., Gülabikomu, Askale, Erzurum,
 8.
     Location and communication:
                                      10 minutes from Gülabikomu on foot
                         . . . . .
                                      pit
 9.
     Type etc.:
                                       *
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                      middle horizon
         ultrabasic rocks;
                                      1
     Amount of the orebody:
     Direction of the orebody;
                                      strike
                                                         N 70°W dip
                                      (Direction of the ore zone; N 30°W)
     Scale of the orebody observed;
                                      extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                      width
                                                                         \mathbf{m}
     Shape of the orebody;
12.
     Chromite banding around the
         orebody:
                                       strike N 85°E, N 60°W dip 40°N, 42°NE (in turn)
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
         Ore minerals;
                                      chromite
         Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                    15 m
         orebody estimated:
                                      extension to dip-side
                                                                     1.5 \, \mathrm{m}
                                      width
                                                                     2.3 m
                                                                   250 m^3
16.
     Volume of the trench estimated:
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
                                                                    50 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TY-5,6,7,8,10,11,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-8
```

```
Number of trench:
                                       TY-10
 2.
      Project No.:
                                       78/26
 3.
      Area:
                                       Kopdağ
 4.
      Map No.:
                                       Erzurum, i-45, a1, No.1
                                       27.38 N,
 5.
      Coordinates:
                                                         32.49 E
 6.
      Altitude:
                                       1,874 m
 7.
      Name of the mine:
                                       Gülabikomu (25,000) (east Kop chrome zone)
 8.
      Location and communication:
                                       Bozburun Sr., Gülabikomu, Aşkale, Erzurum,
                                       10 minutes from Gülabikomu, on foot
 9.
      Type etc.:
                                       pit for exploration
10.
      Host rock :
11.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       middle horizon
                                       1 *
     Amount of the orebody:
     Direction of the orebody;
                                                         N 80°W dip
                                      strike
                                       (Direction of the ore zone;
                                                                   N 30°W )
     Scale of the orebody observed;
                                       extension to strike-side
                                                                         \mathbf{m}
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
     Shape of the orebody;
12.
      Chromite banding around the
                                      not observed
          orebody:
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
          Ore minerals;
                                      chromite
          Grade of the ore:
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                    4
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                    0.5 m
                                      width
                                                                    1.2 m
16.
     Volume of the trench estimated:
                                                                   10
                                                                         m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                    8
                                                                        ton
18.
     Amount of stock of the ore:
                                      0.6 ton
19.
     Relation to the other trenches
          and galleries:
                                      TY-5,6,7,8,9,11,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
1.
      Number of trench:
                                      TY-11
 2.
      Project No.:
                                      78/26
 3.
     Area:
                                      Kopdağ
     Map No.:
 4.
                                      Erzurum, i-45, al, No.1
 5.
      Coordinates:
                                      27.49 N.
                                                        32.47 E
 6.
     Altitude:
                                      1,875 m
     Name of the mine:
 7.
                                      Gülabikomu (25,000) (east Kop chrome zone)
 8.
      Location and communication:
                                      Bozburun Sr., Gülabikomu, Askale, Erzurum,
                                      10 minutes from Gülabikomu, on foot
 9.
      Type etc. :
                                      pit for exploration
10.
     Host rock:
11.
     Orebody:
      Stratigraphic horizon in
          ultrabasic rocks:
                                      middle horizon
     Amount of the orebody:
                                      1 *
      Direction of the orebody;
                                                        N 10°E dip
                                      strike
                                      (Direction of the ore zone; N 30°W)
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
12.
     Chromite banding around the
          orebody:
                                      strike N 30°W, N 80°W dip 60°E, 70°N (in turn)
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                                                   4
                                      extension to strike-side
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   1
                                                                        m
                                                                   1.3 m
                                      width
16.
     Volume of the trench estimated:
                                                                  24
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  18
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-5,6,7,8,9,10,12,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
1.
        Number of trench:
                                        TY-12
   2.
        Project No.:
                                        78/26
       Area:
   3.
                                        Kopdag
   4.
        Map No.:
                                        Erzurum, i-45, a1, No.1
   5.
       Coordinates:
                                        27.28 N.
                                                          32.32 E
   6.
       Altitude:
                                        1,889 m
   7.
       Name of the mine:
                                        Gülabikomu (25,000) (east Kop chrome zone)
       Location and communication:
   8.
                                        Bozburun Sr., Gülabikomu, Aşkale,
                                        Erzurum,
                                        10 minutes from Gülabikomu, on foot
   9.
       Type etc.:
                                        trench for exploration
 10.
       Host rock:
                                        *
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                       middle horizon
       Amount of the orebody;
       Direction of the orebody;
                                       strike
                                                          N 20°W dip
                                       (Direction of the ore zone;
                                                                   N 30°W )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         \mathbf{m}
                                       width
                                                                         m
      Shape of the orebody;
 12.
      Chromite banding around the
          orebody:
                                       strike N 0° - 30°W, dip 36° - 40°NE
13.
      Fault around the orebody:
                                       not observed
14.
      Ore:
          Type of the ore;
          Ore minerals;
                                       chromite
          Grade of the ore:
                                       macroscopic estimation,
15.
      The largest scale of the
                                       extension to strike-side
                                                                   18
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    0.5 m
                                       width
                                                                    0.4 m
16.
      Volume of the trench estimated:
                                                                        m^3
                                                                   20
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   13
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-5,6,7,8,9,10,11,13
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
Number of trench:
   1.
                                       TY-13
   2.
       Project No.:
                                       78/26
   3.
       Area:
                                       Kopdağ
  4.
       Map No.:
                                       Erzurum, i-45, a1, No.1
  5.
       Coordinates:
                                       27.20 N.
                                                         32.34 E
  6.
       Altitude:
                                       1,889 m
  7.
       Name of the mine:
                                       Gülabikomu (25,000) (east Kop chrome zone)
      Location and communication:
                                       Bozburun Sr., Gülabikomu, Aşkale,
                                       Erzurum.
                                       10 minutes from Gülabikomu, on foot
  9.
      Type etc.:
                                       pit for exploration
 10.
      Host rock:
 11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks:
                                      middle horizon
      Amount of the orebody;
      Direction of the orebody;
                                      strike
                                                        N 60°E dip *
                                      (Direction of the ore zone; N 30°W)
      Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                      strike N 60°E dip 20°NW
13.
      Fault around the orebody:
                                      not observed
14.
      Ore:
          Type of the ore;
          Ore minerals:
                                      chromite
          Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                  2
                                                                       m
          orebody estimated:
                                      extension to dip-side
                                                                 0.3
                                                                       m
                                      width
                                                                 0.4
                                                                       m
16.
     Volume of the trench estimated:
                                                                       m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                 0.8 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                     TY-5,6,7,8,9,10,11,12
20.
     Laboratorical tests:
21.
     Remarks:
                                     refer Plate 7-8
```

1.	Number of trench:	TY-14	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzurum, i-45, a1, No.1	
5.	Coordinates:	27.35N, 32.23 E	
6.	Altitude:	1,896 m	
7.	Name of the mine:	Gülabikomu (25,000) (east Ko	op chrome zone)
8.	Location and communication:	Bozburun Sr., Gülabikomu, A 10 minutes from Gülabikomu	
9.	Type etc.:	trench	
10.	Host rock:	*	
11.	Orebody:		
	Stratigraphic horizon in		
	ultrabasic rocks;	middle horizon	
	Amount of the orebody;	1 *	
	Direction of the orebody;	strike N 45°E di	•
	Scale of the orebody observed;	(Direction of the ore zone;	•
	scare of the orebody observed;	extension to strike-side extension to dip-side	- III
		width	* m * m
	Shape of the orebody;	* -	111
12.	Chromite banding around the		
	orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	*	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation,	*
15.	The largest scale of the	extension to strike-side	6 m
	orebody estimated:	extension to dip-side	1.3 m
		width	1.3 m
16.	Volume of the trench estimated:		50 m3
17.	The largest amount of the ore		
	estimated which is taken	•	0.5
	from the trench:		35 ton
18.	Amount of stock of the ore:	·	
19.	Relation to the other trenches	IDSZ 10 10	
00	and galleries:	TY-12,13	
20.	Laboratorical tests:	rofon Diato 7 9	
21.	Remarks:	refer Plate 7-8	

1.	Number of trench:	TY-15		
2.	Project No.:	78/26		
3.	Area:	Kopdağ		
4.	Map No.:	Erzurum, i-45, a1, No.1		
5.	Coordinates:	27.30 N, 32.11 E		
6.	Altitude:	1,898 m		
7.	Name of the mine:	Gülabikomu (25,000) (east Ko		
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikom Erzurum,	•	
^		15 minutes from Gülabikomu	, on fo	oot
9.	Type etc.:	trench for exploration		
10.	Host rock:	*		
11.	Orebody:			
	Stratigraphic horizon in			
	ultrabasic rocks;	middle horizon		
	Amount of the orebody;	1 *		
	Direction of the orebody;	strike N 45° E *di	-	
	Soulo of the aughodic chapmed	(Direction of the ore zone;		•
	Scale of the orebody observed;	extension to strike-side	*	m
		extension to dip-side width	*	m
	Shape of the orebody;	*	т	m
	simpe of the orebody,	•		
12.	Chromite banding around the			
	orebody:	not observed		
13.	Fault around the orebody:	not observed		
14.	Ore:			
	Type of the ore;	brecciated		
	Ore minerals;	chromite		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the	extension to strike-side	3	m
	orebody estimated:	extension to dip-side	0.9	m
		width	1.3	m
16.	Volume of the trench estimated:		16	\mathbf{m}^3
17.	The largest amount of the ore			
	estimated which is taken			
	from the trench:		12	ton
18.	Amount of stock of the ore:	1 ton		
19.	Relation to the other trenches			
	and galleries:	TY-16,17		
20.	Laboratorical tests:	-		
21.	Remarks:	refer Plate 7-8		

_				
1.	Number of trench:	TY-16		
2.	Project No.:	78/26		
3.	Area:	Kopdag		
4.	Map No.:	Erzurum, i-45, a1, No.1 27.27 N. 32.01 E		
5.	Coordinates:	=,		
	Altitude:	1,899 m	n ahm	omo gona)
7.	Name of the mine:	Gülabikomu (25,000) (east Ko		•
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikom Erzurum,	•	
		15 minutes from Gülabikomu	, on fo	oot
9.	Type etc.:	pit for exploration		
10.	Host rock:	*		
11.	Orebody:			
	Stratigraphic horizon in	*171 7 *		
	ultrabasic rocks;	middle horizon *		
	Amount of the orebody;		· 4	
	Direction of the orebody;	But ike	_	т.
	Soals of the enghady shapered	(Direction of the ore zone;	N 70°	•
	Scale of the orebody observed;	extension to strike-side	*	m
		extension to dip-side width	*	m
	Shape of the orebody;	*		m
	Shape of the orebody;			
12.	Chromite banding around the			
	orebody:	not observed		
13.	Fault around the orebody:	not observed		
14.	Ore:			
	Type of the ore;	*		
	Ore minerals;	chromite		
	Grade of the ore;	macroscopic estimation,	*	
	·	•		
15.	The largest scale of the	extension to strike-side	2	m
	orebody estimated:	extension to dip-side	0.5	m
		width	0.3	m
16.	Volume of the trench estimated:		2	m^3
17.	The largest amount of the ore			
	estimated which is taken			
	from the trench:		1	ton
18.	Amount of stock of the ore:	-		
19.	Relation to the other trenches			
	and galleries:	TY-15,17		
20.	Laboratorical tests:	-		
21.	Remarks:	refer Plate 7-8		

1.	Number of trench:	TY-17
2.	Project No.:	78/26
3. 4.	Area:	Kopdağ
5.	Map No.:	Erzurum, i-45, a1, No.1
	Coordinates:	27.22 N, 32.88 E
6.	Altitude:	1,897 m
7.	Name of the mine:	Gülabikomu (25,000) (east Kop chrome zone)
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, Aşkale, Erzurum,
^	m .	15 minutes from Gülabikomu, on foot
9.	Type etc.:	trench for exploitation
10.	Host rock :	*
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	Amount of the orebody;	I N. W. Jin. W.
	Direction of the orebody;	strike N * dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 70°E) extension to strike-side * m
	beate of the brebody observed;	
		. 101
	Shape of the orebody;	width 0.5 m
	simpo of the elebedy,	
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore ;	massive, disseminated
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the	extension to strike-side 20 m
	orebody estimated :	extension to dip-side 3 m
		width 5 m
16.	Volume of the trench estimated:	$1,440 \text{m}^3$
17.	The largest amount of the ore estimated which is taken	
	from the trench:	1,050 ton
18.	Amount of stock of the ore:	*
19.	Relation to the other trenches	
	and galleries:	TY-15,16
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-8
	 •	20101 11000 1 0

	1 01 1		
1.	Number of trench:	TY-18	
2.	Project No.:	78/26	
3.	Area:	Kopdag	
4.	Map No.:	Erzurum, i-45, a1, No.1	
5.	Coordinates:	26.98 N, 31.64 E	
6.		1,870 m	n abnoma zanal
7. 8.		Gülabikomu (25,000) (east Ko	
٥.	Location and communication:	Taşlıyayla (Mvk), Gülabikom Erzurum,	u, Aşkale,
		15 minutes from Gülabikomu	, on foot
9.	Type etc.:	trench for exploration	
10.	Host rock:	serpentinized harzburgite	
11.	Orebody:		
	Stratigraphic horizon in		
	ultrabasic rocks;	middle horizon	
	Amount of the orebody;	*	
	Direction of the orebody;	strike N 45°W*di	-
		(Direction of the ore zone;	•
	Scale of the orebody observed;	extension to strike-side	* m
		extension to dip-side	* m
	Character 1	width	* m
	Shape of the orebody;	*	
12.	Chromite banding around the		
	orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	(massive), disseminated	
	Ore minerals;	chromite	
	Grade of the ore ;	macroscopic estimation,	*
	Grade or vite ore;	THE COURT CONTINUEDING	
15.	The largest scale of the	extension to strike-side	10 m
	orebody estimated :	extension to dip-side	1 m
	·	width	0.3 m
16.	Volume of the trench estimated:		$6 ext{m}^3$
17.	The largest amount of the ore		
	estimated which is taken		
	from the trench:		10 ton
18.	Amount of stock of the ore:	3 ton (20 % Cr ₂ O ₃)	
19.	Relation to the other trenches		
	and galleries:	TY-19,20,21,22,23,24,25	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-9	

1. 2. 3. 4. 5. 6. 7. 8.	Location and communication:	TY-19 78/26 Kopdağ Erzurum, i-45, a1, No.1 27.11 N, 31.65 E 1,885 m Gülabikomu (25,000) (east Ko Taşlıyayla (Mvk), Gülabikomu Erzurum, 15 minutes from Gülabikomu,	u, Aşl	cale,
9.	Type etc.:	trench for exploration		
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	middle horizon 1 * strike N 85: W di (Direction of the ore zone; extension to strike-side extension to dip-side width	p * N 10 ⁵ *	E) m m m
	Shape of the orebody;	*		***
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	not observed not observed disseminated chromite		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the orebody estimated:	extension to strike-side extension to dip-side width	7 1.2 0.3	m m m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:		7	m ³
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries:	TY-18,20,21,22,23,24,25	9	ton
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-9		

```
TY-20
 1. Number of trench:
                                       78/26
 2.
     Project No.:
                                       Kopdag
 3.
     Area:
 4.
                                       Erzurum, i-45, al, No.1
     Map No.:
     Coordinates:
                                       27.02 N.
                                                          31.64 E
 6.
     Altitude:
                                       1.876 m
 7.
     Name of the mine:
                                       Gülabikomu (25,000) (east Kop chrome zone)
 8.
     Location and communication:
                                       Taşlıyayla (Mvk), Gülabikomu, Aşkale,
                                       Erzurum,
                                       15 minutes from Gülabikomu, on foot
 9.
     Type etc.:
                                       trench for exploration
                                       serpentinized harzburgite
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                       middle horizon
          ultrabasic rocks:
      Amount of the orebody;
      Direction of the orebody;
                                       strike
                                                     * N 50° W
                                                                 dip
                                                                    N 10°E )
                                       (Direction of the ore zone;
      Scale of the orebody observed;
                                       extension to strike-side
                                                                          m
                                       extension to dip-side
                                                                          m
                                       width
                                                                         \mathbf{m}
     Shape of the orebody;
12.
     Chromite banding around the
                                       not observed
          orebody:
13.
     Fault around the orebody:
                                       assumed, strike N 38°E dip 42°NW
14.
     Ore:
          Type of the ore;
                                       chromite
          Ore minerals;
          Gangue minerals;
                                       serpentine
          Grade of the ore;
                                       macroscopic estimation,
15.
     The largest scale of the
                                       extension to strike-side
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    1.2
                                                                         \mathbf{m}
                                       width
                                                                    0.3
                                                                         \mathbf{m}
                                                                         m^3
16.
     Volume of the trench estimated:
                                                                    5
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                    9
                                                                         ton
     Amount of stock of the ore:
18.
19.
     Relation to the other trenches
          and galleries:
                                       TY-18, 19, 21, 22, 23, 24, 25
20.
     Laboratorical tests:
                                       X-ray diffractive analysis (A-89)
21.
     Remarks:
                                       refer Plate 7-9
```

1.	Number of trench:	TY-21	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzurum, i-45, a1, No.1	
5.	Coordinates:	27.11 N, 31.63 E	
6.	Altitude:	1,892 m	
7.		Gulabikomu (25,000) (east Kop ch	·
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, A	•
•		15 minutes from Gülabikomu, on	toot
9.	Type etc.:	trench for exploration	
10. 11.	Host rock:	serpentinized harzburgite	
11.	Orebody:		
	Stratigraphic horizon in	middle horizon	
	ultrabasic rocks;	* 1	
	Amount of the orebody;	-	4
	Direction of the orebody;		*
	Scale of the enchader charmed	(Direction of the ore zone; N 1 extension to strike-side *	· ·
	Scale of the orebody observed;	envolution to but into blac	m.
		extension to dip-side * width *	m
	Shape of the orebody;	layered	m
	Shape of the orebody;	layered	
12.	Chromite banding around the		
	orebody:	strike N 48°E dip 22°SE	
13. 14.	Fault around the orebody: Ore:	not observed	
	Type of the ore;	disseminated, banded	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, *	
15.	The largest scale of the	extension to strike-side 5.5	m
	orebody estimated:	extension to dip-side 4	m
	•	width 0.3	3 m
16.	Volume of the trench estimated:	7	\mathbf{m}^{3}
17.	The largest amount of the ore		
	estimated which is taken		
	from the trench:	20	ton
18.	Amount of stock of the ore:	-	
19.	Relation to the other trenches		
	and galleries:	TY-18,19,20,22,23,24,25	
20.	Laboratorical tests:	=	
21.	Remarks:	refer Plate 7-9	

1.	Number of trench:	TY-22
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzurum, i-45, al, No.1
5.	Coordinates:	27.16 N, 31.67 E
6.	Altitude:	1,888 m
7.	Name of the mine:	Gülabikomu (25,000) (east Kop chrome zone)
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, Aşkale,
		Erzurum,
		15 minutes from Gülabikomu, on foot
9.	Type etc.:	trench for exploration
10.	Host rock:	serpentinized harzburgite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks ;	middle horizon
	Amount of the orebody;	1 *
	Direction of the orebody;	strike * N 45°E dip *
		(Direction of the ore zone; N 10°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
		width * m
	Shape of the orebody;	*
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore ;	massive, disseminated
	Ore minerals ;	chromite
	Grade of the ore;	macroscopic estimation, 20 - 30 % Cr ₂ O ₃
1.5	m1 1	
15.	The largest scale of the	extension to strike-side 12 m
	orebody estimated:	extension to dip-side 2 m width 0.3 m
10	TTalama aftilia dannati and tala	111
16.	Volume of the trench estimated:	25 _m 3
17.	The largest amount of the ore	
	estimated which is taken	0.5
10	from the trench:	25 ton
18.	Amount of stock of the ore:	very small
19.	Relation to the other trenches	my 10 10 00 01 00 04 05
00	and galleries:	TY-18,19,20,21,23,24,25
20.	Laboratorical tests:	- make no
21.	Remarks:	refer Plate 7-9

```
Number of trench:
   1.
                                         TY-23
   2.
        Project No.:
                                         78/26
   3. Area:
                                        Kopdag
   4.
        Map No. :
                                        Erzurum, i-45, a1, No.1
   5.
        Coordinates:
                                        27.22 N,
                                                          31.69 E
   6.
      Altitude:
                                        1,893 m
   7.
       Name of the mine:
                                        Gülabikomu (25,000) (east Kop chrome zone)
   8.
       Location and communication:
                                        Taşlıyayla (Mvk), Gülabikomu, Aşkale,
                                        Erzurum,
                                        15 minutes from Gülabikomu, on foot
   9.
       Type etc.:
                                        pit for exploration
 10.
       Host rock:
                                        serpentinized harzburgite
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks :
                                        middle horizon
       Amount of the orebody;
                                        1 *
       Direction of the orebody;
                                                                 dip
                                        (Direction of the ore zone;
                                                                   N 10°
                                                                           35°E)
       Scale of the orebody observed;
                                        extension to strike-side
                                                                         m
                                        extension to dip-side
                                                                         m
                                       width
                                                                         m
       Shape of the orebody;
 12.
      Chromite banding around the
           orebody:
                                       not observed
 13.
      Fault around the orebody:
                                       not observed
      Ore:
 14.
           Type of the ore:
                                       disseminated
          Ore minerals;
                                       chromite
          Grade of the ore;
                                       macroscopic estimation,
15.
      The largest scale of the
                                       extension to strike-side
                                                                   3
                                                                        m
          orebody estimated:
                                       extension to dip-side
                                                                   0.7
                                                                        m
                                      width
                                                                   0.3
                                                                        m
      Volume of the trench estimated:
16.
                                                                        m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench .
                                                                  2
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-18,19,20,21,22,24,25
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-9
```

1.	Number of trench:	TY-24
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzurum, i-45, a1, No.1
5.	Coordinates:	27.28 N, 31.76 E
6.	Altitude:	1,902 m
7.	Name of the mine:	Gülabikomu (25,000) (east Kop chrome zone)
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, Aşkale, Erzurum,
		15 minutes from Gülabikomu, on foot
9.	Type etc.:	trench for exploitation
10.	Host rock:	serpentinized harzburgite
11.	•	
	Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 20°E dip * NW
		(Direction of the ore zone; N 35°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side 2 m
	al 0.1 1 1	width 0.2 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
14.	orebody:	not observed
13.	Fault around the orebody:	not observed
13. 14.	Ore:	not observed
74.	Type of the ore;	massive, disseminated
	Ore minerals ;	chromite
	Ore initials,	Chromite
	Grade of the ore;	macroscopic estimation, 25-35% Cr ₂ O ₃
15.	The lawrest goals of the	extension to strike-side 25 m
T9.	The largest scale of the orebody estimated:	
	orebody estimated:	
16.	Volume of the trench estimated:	width 1 m 520 m ³
17.	The largest amount of the ore	520 m
T (•	estimated which is taken	
	from the trench:	260 ton
18.	Amount of stock of the ore:	very small
19.	Relation to the other trenches	very aman
TO.	and galleries:	TY-18,19,20,21,22,23,25
20.	Laboratorical tests:	T T-10, 10, 20, 21, 22, 20, 20
	Remarks:	refer Plate 7-9
21.	Vemarka:	Terer Ligit 1-2

```
1.
       Number of trench:
                                       TY-25
  2.
       Project No.:
                                        78/26
  3.
       Area:
                                       Kopdağ
  4.
       Map No ::
                                       Erzurum, i-45, a1, No.1
  5.
       Coordinates:
                                       27.35 N.
                                                          31.54 E
  6.
      Altitude:
                                       1,908 m
  7.
       Name of the mine:
                                       Gülabikomu (25,000) (east Kop chrome zone)
  8.
       Location and communication:
                                       Taşlıyayla (Mvk), Gülabikomu, Aşkale,
                                       Erzurum.
                                       15 minutes from Gülabikomu, on foot
  9.
      Type etc.:
                                       pit for exploration
 10.
      Host rock:
                                       serpentinized harzburgite
 11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks ;
                                       middle horizon
      Amount of the orebody;
      Direction of the orebody;
                                       strike
                                                         N 25° W dip
                                                                      75°SW
                                       (Direction of the ore zone;
      Scale of the orebody observed;
                                       extension to strike-side
                                                                   3
                                                                         m
                                       extension to dip-side
                                                                   0.8
                                                                         m
                                       width
                                                                   0.1
                                                                         m
      Shape of the orebody;
                                       lenticular
                                       Orebody exists in sheared zone.
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                       strike N 70°W dip 90°
14.
      Ore:
          Type of the ore;
                                       massive
          Ore minerals;
                                       chromite
          Grade of the ore;
                                       macroscopic estimation, 35 % Cr2O3
15.
      The largest scale of the
                                       extension to strike-side
                                                                    3
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    1.3 m
                                      width
                                                                    0.3 m
16.
     Volume of the trench estimated:
                                                                        m^3
                                                                   10
     The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-18,19,20,21,22,23,24
     Laboratorical tests:
20.
21.
     Remarks:
                                      refer Plate 7-9
```

```
TY-26
 1.
      Number of trench:
 2.
      Project No.:
                                       78/26
 3.
     Area:
                                       Kopdağ
 4.
     Map No.:
                                       Erzurum, i-45, a1, No.1
 5.
      Coordinates:
                                                           31.71 E
                                       26.98 N,
 6.
     Altitude:
                                       1,880 m
 7.
     Name of the mine:
                                       Gülabikomu (25,000) (east Kop chrome zone)
 8.
      Location and communication:
                                       Taslıyayla (Mvk), Gülabikomu, Aşkale, Erzurum,
                                       15 minutes from Gülabikomu, on foot
 9.
      Type etc.:
                                       pit for exploration
10. Host rock:
                                       *
11.
     Orebody:
     Stratigraphic horizon in
          ultrabasic rocks;
                                       middle horizon
      Amount of the orebody:
     Direction of the orebody;
                                      strike
                                                                 dip *
                                       (Direction of the ore zone;
                                                                           )
     Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         \mathbf{m}
                                       width
                                                                         m
     Shape of the orebody;
     Chromite banding around the
12.
                                       not observed
          orebody:
                                      not observed
13.
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
          Ore minerals;
          Grade of the ore;
                                       macroscopic estimation,
15.
     The largest scale of the
                                       extension to strike-side
                                                                    3
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    1
                                                                         m
                                      width
                                                                    1
                                                                         m
                                                                   24
                                                                         m^3
16.
     Volume of the trench estimated:
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   10
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-25,27
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-9
```

-	37	
1.	Number of trench:	TY-27
2.	Project No. :	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzurum, i-45, a1, No.1
5.	Coordinates:	26.77 N, 32.08 E
6.		1,880 m
	Name of the mine:	Gülabikomu (25,000) (east Kop chrome zone)
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, Aşkale, Erzurum,
		15 minutes from Gülabikomu, on foot
9.	Type etc. :	trench and gallery for exploitation
10.	Host rock:	*
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 10°W dip *
	• •	(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side * m
	,	extension to dip-side * m
		width * m
	Shape of the orebody;	111
	- 3,	
12.	Chromite banding around the orebody:	strike N 60°E, N, N 35°W
13.	5	dip 27°NW, 55°W, 46°NE (in turn)
14.	Fault around the orebody:	strike N 80°E dip 20°N
14.	Ore:	
	Type of the ore;	massive, disseminated, banded
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the	extension to strike-side 13 m
	orebody estimated:	extension to dip-side 4.5 m
		width 3 m
16.	Volume of the trench estimated:	260 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	610 ton
18.	Amount of stock of the ore:	*
19.	Relation to the other trenches	
	and galleries:	TY-28
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-9
		Total Plate 1-5

```
TY-28
 1.
     Number of trench:
 2.
     Project No.:
                                      78/26
                                      Kopdağ
 3. Area:
 4.
     Map No.:
                                      Erzurum, i-45, al, No.1
 5.
     Coordinates:
                                      26.76 N.
                                                        32.10 E
 6.
     Altitude:
                                      1,880 m
     Name of the mine:
                                      Gülabikomu (25,000) (east Kop chrome zone)
 8.
                                      Taşlıyayla (Mvk), Gülabikomu, Aşkale,
     Location and communication:
                                      Erzurum,
                                      15 minutes from Gülabikomu, on foot
 9.
     Type etc.:
                                      gallery (closed)
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                      middle horizon
          ultrabasic rocks;
      Amount of the orebody;
      Direction of the orebody;
                                      strike
                                                                dip
                                      (Direction of the ore zone;
                                                                          )
     Scale of the orebody observed;
                                      extension to strike-side
                                                                       m
                                      extension to dip-side
                                                                       m
                                      width
                                                                       m
     Shape of the orebody;
12.
     Chromite banding around the
         orebody:
13.
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
         Ore minerals;
                                      macroscopic estimation,
         Grade of the ore;
     The largest scale of the
15.
                                      extension to strike-side
                                                                       m
          orebody estimated:
                                      extension to dip-side
                                                                       m
                                      width
                                                                       m
16.
     Volume of the trench estimated:
                                                                       m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TY-27
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-9
```

1.	Number of trench:	TY-29	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzurum, i-45, a1, No.1	
5.	Coordinates:	26.56 N, 32.11 E	
	Altitude:	1,880 m	
7.	Name of the mine:	Gülabikomu (25,000) (east Kop chro	me zone)
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, Aşkı	ale,
		Erzurum,	
		15 minutes from Gülabikomu, on foc	ot
9.	Type etc.:	pit for exploration	
	-		
10.	Host rock:	*	
11.	Orebody:		
	Stratigraphic horizon in		
	ultrabasic rocks;	middle horizon	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 45° E* dip *	
		(Direction of the ore zone; N 25°I	Ξ)
	Scale of the orebody observed;		m
		<u>-</u>	m
		width * 1	m
	Shape of the orebody;	*	
10	Characte handing on and the		
12.	Chromite banding around the	-to-the AV dia googy	
10	orebody:	strike N, dip 70°W	
13.	Fault around the orebody:	not observed	
14.	Ore:	At manufunt at	
	Type of the ore;	disseminated	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, *	
	drade of the ere,	macroscopic estimation,	
15.	The largest scale of the	extension to strike-side 5	m
	orebody estimated:		m.
	•	111	m.
16.	Volume of the trench estimated:	- · ·	m^3
17.	The largest amount of the ore	•	•••
	estimated which is taken		
	from the trench:	50 t	on
18.	Amount of stock of the ore:	-	· • • • • • • • • • • • • • • • • • • •
19.	Relation to the other trenches		
•	and galleries:	TY-30,31,32,33	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-9	
•			

1.	Number of trench:	TY-30	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzurum, i-45, a1, No.1	
	Coordinates:	26.60 N, 32.14 E	
6.	Altitude:	1,880 m	
7.	Name of the mine:	Gülabikomu (25,000) (east Kop ch	•
8.	Location and communication:	Taşlıyayla (Mvk), Gülabikomu, A Erzurum,	şkale,
		15 minutes from Gülabikomu, on	foot
9.	Type etc.:	trench for exploration	
10.	Host rock:	*	
11.	Orebody:		
	Stratigraphic horizon in		
	ultrabasic rocks;	middle horizon	
	Amount of the orebody;	1 *	
	Direction of the orebody;	strike N 30° E *dip *	•
		(Direction of the ore zone; N 3	5°E)
	Scale of the orebody observed;	extension to strike-side *	m
		extension to dip-side *	m
		width *	m
	Shape of the orebody;	*	
12.	Chromite banding around the		
	orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:	not observed	
	Type of the ore;	disseminated	
	Ore minerals;	chromite	
	Oro minoralo j	on on the	
	Grade of the ore ;	macroscopic estimation, *	
15.	The largest scale of the	extension to strike-side 5	m
	orebody estimated:	extension to dip-side 1	m
		width 1	m
16.	Volume of the trench estimated:	16	\mathbf{m}^{3}
17.	The largest amount of the ore		
	estimated which is taken		
	from the trench:	18	ton
18.	Amount of stock of the ore:	-	
19.	Relation to the other trenches		
	and galleries:	TY-29,31,32,33	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-9	

```
TY-31 (not surveyed in detail)
 1.
     Number of trench:
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
 4.
     Map No.:
                                      Erzurum, i-45, al, No.1
                                                 32.22E
 5.
     Coordinates:
                                      26.72 N,
 6.
     Altitude:
                                      1,878 m
                                      Gülabikomu (25,000) (east Kop chrome zone)
 7.
     Name of the mine:
                                      Taşlıyayla (Mvk), Gülabikomu, Aşkale,
     Location and communication:
                                      Erzurum,
                                      15 minutes from Gülabikomu, on foot
 9.
     Type etc.:
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                      * middle horizon
          ultrabasic rocks:
     Amount of the orebody;
     Direction of the orebody;
                                                                dip
                                                                  N 25°E )
                                      (Direction of the ore zone;
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
12.
     Chromite banding around the
          orebody:
13.
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
         Ore minerals;
         Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
16.
     Volume of the trench estimated:
                                                                        m^3
     The largest amount of the ore
17.
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-29,30,32,33
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

```
Number of trench:
 1.
                                      TY-32 (not surveyed in detail)
 2. Project No.:
                                      78/26
 3. Area:
                                      Kopdağ
 4. Map No.:
                                      Erzurum, i-45, a1, No.1
 5. Coordinates:
                                                        32.21 E
                                      26.74 N,
 6. Altitude:
                                      1,880 m
 7.
     Name of the mine:
                                      Gülabikomu (25,000) (east Kop chrome zone)
     Location and communication:
                                      Taslıyayla (Mvk), Gülabikomu, Aşkale,
                                      Erzurum.
                                      15 minutes from Gülabikomu, on foot
 9.
     Type etc.:
10.
     Host rock :
11.
     Orebody:
     Stratigraphic horizon in
          ultrabasic rocks;
                                      * middle horizon
     Amount of the orebody;
     Direction of the orebody:
                                      strike
                                                                dip *
                                      (Direction of the ore zone; N 25°E)
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        \mathbf{m}
                                      *
     Shape of the orebody;
12.
     Chromite banding around the
          orebody:
13.
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
          Ore minerals;
          Grade of the ore:
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
16.
     Volume of the trench estimated:
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-29,30,31,33
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

```
Number of trench:
                                     TY-33 (not surveyed in detail)
1.
2.
     Project No.:
                                     78/26
    Area:
                                     Kopdağ
3.
4.
     Map No.:
                                     Erzurum, i-45, a1, No.1
    Coordinates:
                                                       32.20 E
5.
                                     26.77 N,
6.
   Altitude:
                                     1,873 m
                                     Gülabikomu (25,000) (east Kop chrome zone)
7.
     Name of the mine:
8.
     Location and communication:
                                     Taşlıyayla (Mvk), Gülabikomu, Aşkale,
                                     Erzurum,
                                     15 minutes from Gülabikomu, on foot
9.
     Type etc.:
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
         ultrabasic rocks;
                                     * middle horizon
     Amount of the orebody:
     Direction of the orebody;
                                     strike
                                                               dip *
                                     (Direction of the ore zone; N 25°E)
     Scale of the orebody observed;
                                     extension to strike-side
                                                                       m
                                     extension to dip-side
                                                                       m
                                     width
                                                                       m
     Shape of the orebody;
12.
     Chromite banding around the
         orebody:
13.
     Fault around the orebody:
14.
     Ore:
         Type of the ore;
         Ore minerals;
         Grade of the ore;
                                     macroscopic estimation,
15.
     The largest scale of the
                                     extension to strike-side
                                                                       m
         orebody estimated:
                                     extension to dip-side
                                                                       m
                                     width
                                                                       m
                                                                       m^3
16.
     Volume of the trench estimated:
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                     TY-29,30,31,32,
20.
     Laboratorical tests:
21.
     Remarks:
                                     no sketch map
```

```
1.
      Number of trench:
                                       TY-34
  2.
       Project No.:
                                       78/26
  3.
      Area:
                                       Kopdag
  4.
      Map No.:
                                       Erzurum, i-45, al, No.1
  5.
      Coordinates:
                                       27.58 N.
                                                         29.21 E
  6.
      Altitude:
                                       2,045 m
      Name of the mine:
  7.
                                       Dağyayla Tepe (25,000) (east Kop chrome zone)
      Location and communication:
  8.
                                       Dağyayla Tepe, Hasbeykomu, Aşkale,
                                       Erzurum,
                                       30 minutes from Hasbeykomu on foot
  9.
      Type etc.:
                                       trench for exploration
10.
      Host rock:
                                       harzburgite *
11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks;
                                       middle horizon
      Amount of the orebody:
      Direction of the orebody;
                                       strike
                                                         N 70°W dip
                                       (Direction of the ore zone :
                                                                           )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                         m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                      not observed
13.
      Fault around the orebody:
                                      not observed
14.
      Ore:
          Type of the ore;
          Ore minerals :
                                      chromite
          Grade of the ore;
                                      macroscopic estimation,
15.
      The largest scale of the
                                      extension to strike-side
                                                                   12
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                    1
                                                                        m
                                      width
                                                                    2
                                                                        m
16.
     Volume of the trench estimated:
                                                                  90
                                                                        m^3
     The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                  84
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-9
```

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TY-35 78/26 Kopdag * * N, * E * m Location is not shown on the map. *	
9.	Type etc.:	trench	
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	* 1 * strike N 45°E dip * (Direction of the ore zone; * extension to strike-side * extension to dip-side * width *) m m m
	Shape of the orebody;	*	
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	strike N 10°E dip 44°E not observed massive, disseminated, banded chromite	
	Grade of the ore;	macroscopic estimation, 25-309	6
15.	The largest scale of the orebody estimated:	extension to strike-side 7 extension to dip-side 1.5 width 0.6	m m m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	27 6	m3
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries:	1 ton	
20.	Laboratorical tests :	_	
21.	Remarks:	refer Plate 7-9	

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TY-36 78/26 Kopdağ Erzincan, i-44, a2, No.3 15.71 N, 05.86 E 1,755 m Cumakomu (25,000) Cumakomu, Tercan, Erzurum, 20 minutes from Çumakomu, on foot
9.	Type etc.:	trench for exploration
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody;	lower horizon * strike * N 80°W dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 80°W*) extension to strike-side * m extension to dip-side * m width * m
	Shape of the orebody;	*
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	not observed not observed *
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 4 m extension to dip-side 3 m width 1 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	20 m ³
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries:	40 ton - TY-37
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-7

_	•	
1.	Number of trench:	TY-37
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, a2, No.3
5.	Coordinates:	15.68 N, 05.87 E
6. 7.	Altitude: Name of the mine:	1,748 m Cumakomu (25,000)
	Location and communication:	Cumakomu, Tercan, Erzurum,
0.	Location and communication:	20 minutes from Cumakomu, on foot
	_	20 minutes from Cumakomu, on 1000
9.	Type etc.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite and serpen-
		tinite (powdery)
11.	Orebody:	(2
	Stratigraphic horizon in	
	ultrabasic rocks ;	lower horizon
	Amount of the orebody;	* 1
	Direction of the orebody;	strike * N 80°W dip *
	_	(Direction of the ore zone; N 80°W*)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
		width 0.1~0.3 m
	Shape of the orebody;	*
10	Observato handing and 24	
12.	Chromite banding around the	
13.	orebody:	not observed
14.	Fault around the orebody: Ore:	strike N 55°E dip 62°NW
TT.	Type of the ore;	
	Ore minerals ;	massive, disseminated chromite
	ore innerals,	chromite
	Grade of the ore;	macroscopic estimation, 30 % Cr ₂ O ₃
	, , , , , , , , , , , , , , , , , , ,	madroboopie commandin, 50 % 01203
15.	The largest scale of the	extension to strike-side 25 m
	orebody estimated:	extension to dip-side 10 m
	•	width 2 m
16.	Volume of the trench estimated:	2,500 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	1,750 ton
18.	Amount of stock of the ore:	15 ton (30 % Cr ₂ O ₃)
19.	Relation to the other trenches	_
	and galleries:	TY-36
20.	Laboratorical tests:	polished section (Acr-62)
21.	Remarks:	refer Plate 7-7

```
TY-38
     Number of trench:
 1.
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
 4.
                                      Trabzon, h-44, c3, No.4
     Map No.:
 5.
     Coordinates:
                                      29.90 N.
                                                        19.95 E
 6.
     Altitude:
                                      2,300 m
                                      Arapçayırıdere (10,000) (northern chrome zone)
 7.
     Name of the mine:
     Location and communication:
                                      Arapçayırıdere, Kop, Bayburt, Gümüşhane,
 8.
                                      45 minutes from Sıçankale Y., by car
                                      trench for exploration
 9.
     Type etc.:
                                      serpentinite
10.
     Host rock:
     Orebody:
11.
     Stratigraphic horizon in
          ultrabasic rocks;
                                      upper horizon (footwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                                dip
                                      (Direction of the ore zone; N 40°E*)
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        m
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
12.
     Chromite banding around the
          orebody:
                                      not observed
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
          Ore minerals;
                                      chromite
                                      macroscopic estimation,
          Grade of the ore;
                                                                  30 - 35\% \text{ Cr}_2\text{O}_3
15.
     The largest scale of the
                                      extension to strike-side
                                                                   15
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                        m
                                                                    1
                                      width
                                                                        m
                                                                * 140
     Volume of the trench estimated:
                                                                        m^3
16.
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-39
20.
     Laboratorical tests:
     Remarks:
                                      refer Plate 7-1
21.
```

```
1.
        Number of trench:
                                         TY-39
   2.
        Project No.:
                                         78/26
   3.
       Area:
                                        Kopdag
   4.
       Map No.:
                                        Trabzon, h-44, c3, No.4
   5.
       Coordinates:
                                        29.88N,
                                                           19.93 E
   6.
       Altitude:
                                        2,300 m
   7.
       Name of the mine:
                                        Arapçayırdere (10,000)(northern chrome zone)
   8.
       Location and communication:
                                        Arapçayırıdere, Kop, Bayburt, Gümüşhane,
                                        45 minutes from Sıçankale Y., by car
   9.
       Type etc.:
                                        trench for exploration
 10.
       Host rock :
                                        serpentinized dunite
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                        upper horizon (footwall-side orebody)
       Amount of the orebody;
      Direction of the orebody;
                                        strike
                                                                  dip
                                        (Direction of the ore zone;
                                                                    N 40°E*)
      Scale of the orebody observed;
                                        extension to strike-side
                                                                          m
                                        extension to dip-side
                                                                          m
                                       width
                                                                          m
      Shape of the orebody;
 12.
      Chromite banding around the
           orebody:
                                       not observed
 13.
      Fault around the orebody:
                                       not observed
 14.
      Ore:
          Type of the ore;
          Ore minerals :
                                       chromite
          Grade of the ore;
                                       macroscopic estimation,
                                                                   30 - 35 % Cr<sub>2</sub>O<sub>3</sub>
      The largest scale of the
15.
                                       extension to strike-side
                                                                    9
                                                                          m
          orebody estimated:
                                       extension to dip-side
                                                                          m
                                       width
                                                                    1
                                                                          m
16.
      Volume of the trench estimated:
                                                                 * 90
                                                                         m^3
      The largest amount of the ore
17.
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TY-38
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-1
```

```
1. Number of trench:
                                      TY-40 (not surveyed in detail)
 2.
                                      78/26
     Project No.:
 3. Area:
                                     Kopdağ
 4. Map No.:
                                     Trabzon, h-44, c3, No.4
 5. Coordinates:
                                     29.58 N.
                                                         20.04 E
 6. Altitude:
                                     2,250 m
 7. Name of the mine:
                                     Arapçayırıdere (10,000)
                                     Arapçayırıdere, Kop, Bayburt, Gümüşhane,
 8.
     Location and communication:
                                     45 minutes from Sıçankale Y., by car
 9.
                                     trench
     Type etc.:
10.
     Host rock:
                                     strongly serpentinized harzburgite *
11.
     Orebody:
     Stratigraphic horizon in
         ultrabasic rocks;
                                     middle horizon (upper part)
     Amount of the orebody;
     Direction of the orebody;
                                     (Direction of the ore zone;
                                                                         )
     Scale of the orebody observed;
     Shape of the orebody;
12.
     Chromite banding around the
                                     not observed
         orebody:
13.
     Fault around the orebody:
                                     not observed
14.
     Ore:
         Type of the ore;
         Ore minerals;
         Grade of the ore:
15.
     The largest scale of the
         orebody estimated:
16.
     Volume of the trench estimated:
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                     TY-38,39
20.
     Laboratorical tests:
21.
     Remarks:
                                     no sketch map
```

1.	Number of trench:	TZ-1*
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl No.1
5.	Coordinates:	26.85 N, 06.75 E
6.	Altitude:	2,066 m
7.	Name of the mine:	Batı Ezan (2,000) (northern chrome zone)
8.	Location and communication:	Büyükgüllünün Sr., Sıçankale Y., Aşkale, Erzurum,
9.	Type etc.:	30 minutes from Siçankale Y., by car trench for exploitation
10.	Host rock :	serpentinite (powdery)
11.	Orebody:	political (politically)
	Stratigraphic horizon in ultrabasic rocks;	upper horizon (hangingwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike N 85°E dip 50 - 72 N
	Scale of the orebody observed;	(Direction of the ore zone; N 70°E) extension to strike-side 50 m
	Shape of the orebody;	extension to dip-side 2 m width 5 m layered
12.	Chromite banding around the	
	orebody:	not shares d
13.	Fault around the orebody:	not observed not observed
14.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals;	chromite (kaemmererite)
	Grade of the ore;	macroscopic estimation, $35-40\%~\mathrm{Cr}_2\mathrm{O}_3$
		analytical value, 38.29 % Cr ₂ O ₃ from the
15.	The largest scale of the	stockpile, random sample
201	orebody estimated:	extension to strike-side 60 m
	orebody estimated:	extension to dip-side 4 m
16.	Volume of the trench estimated:	width 5 m
17.	The largest amount of the ore	33,750 m ³
-	estimated which is taken	
	from the trench:	4 000 1
18.	Amount of stock of the ore:	4,200 ton 234 ton
19.	Relation to the other trenches	204 LUII
	and galleries:	TC-7, TZ-3, GC-7
20.	Laboratorical tests:	
	Remarks:	chemical analysis of the ore (Zcr-6) refer Plate 7-4

1.	- TT OT OT OT OTTOIL .	TZ-2	
2.	,000 1,00 .	78/26	
3.		Kopdağ	
4.		Erzincan, i-44, bl No.1	
5.		26.65 N, 07.17	E
6.		2,085 m	
7.	- The state of the	Doğu Ezan (2,000) (northern	i chrome zone)
8.	Location and communication:	Büyükgüllünün Sr., Sıçanka	le Y., Aşkale,
		Erzurum,	•
9.	Time ata	30 minutes from Siçankale	Y., by car
<i>3</i> .	Type etc.:	trench for exploration	
10.	Host rock:	gommonki it	
11.	Orebody:	serpentinite (powdery)	
	Stratigraphic horizon in		
	ultrabasic rocks ;	unnan hanisan /fast	1 1 .
	Amount of the orebody;	upper horizon (footwall-side	orebody)
	Direction of the orebody;		i 4503777
	, and oronout,	strike N 60°E d (Direction of the ore zone;	
	Scale of the orebody observed;	extension to strike-side	40
	3	extension to dip-side	10 m 1.5 m
		width	1.5 m
	Shape of the orebody;	lenticular	T.0 III
12.	Chromite banding around the		
	orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	massive	
	Ore minerals;	chromite	
	Grade of the ore ;		
	crade of the ore;	macroscopic estimation,	*
15.	The largest scale of the	extension to strike-side	15
	orebody estimated:	extension to strike-side	15 m
	•	width	$1.5_{ ext{m}}$ $2.5_{ ext{m}}$
16.	Volume of the trench estimated:	WAGEL	_
17.	The largest amount of the ore		150 m ³
	estimated which is taken		
	from the trench:		200 ton
18.	Amount of stock of the ore:	-	And MII
19.	Relation to the other trenches		
	and galleries :	TC-9	
20.	Laboratorical tests:	-	•
21.	Remarks:	refer Plate 7-4	
		-	

```
1.
       Number of trench:
                                        TZ-3 *
   2.
       Project No.:
                                        78/26
   3.
      Area:
                                        Kopdag
   4.
       Map No.:
                                        Erzincan, i-44, b1, No.1
   5.
       Coordinates:
                                        26.95 N.
                                                          07.20 E
   6.
       Altitude:
                                        2,100 m
   7.
       Name of the mine:
                                        B Kafa (2,000) (northern chrome zone)
       Location and communication:
  8.
                                        Güllünündere, Sıçankale Y., Aşkale,
                                        Erzurum.
                                        30 minutes from Sıçankale Y., by car
  9.
       Type etc.:
                                        trench for exploitation
 10.
       Host rock:
                                        serpentinite (powderv)
 11.
       Orebody:
      Stratigraphic horizon in
                                        upper horizon (hangingwall-side, footwall-
           ultrabasic rocks;
                                        side orebody)
      Amount of the orebody:
                                                                              (in turn)
      Direction of the orebody;
                                       strike N 10-50°E, N 25°E dip 40°W, 80-90°NW*
                                       (Direction of the ore zone; N 70°E, N 50°E)
      Scale of the orebody observed;
                                       extension to strike-side 190, 40
                                       extension to dip-side
                                                                15.
                                       width
                                                            10 - 15, 15
                                                                         m (in turn)
      Shape of the orebody;
                                       layered, 2 orebodies (one, hangingwall-side,
                                       and the other, footwall-side) are found in the trench
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                       not observed
14.
      Ore:
          Type of the ore;
                                       massive, disseminated
          Ore minerals;
                                       chromite (uvarovite) (kaemmererite)
          Grade of the ore;
                                       macroscopic estimation, 35-45% Cr2O3
      The largest scale of the
15.
                                       extension to strike-side 220, 80
          orebody estimated:
                                       extension to dip-side
                                                                15, 15
                                                                         m
                                      width
                                                                15, 15
                                                                        m (in turn)
16.
     Volume of the trench estimated:
                                                                116,000 m<sup>3</sup>
17.
     The largest amount of the ore
          estimated which is taken
          from the trench :
                                                       86,600, 31,500 ton
18.
     Amount of stock of the ore:
                                      variable
19.
     Relation to the other trenches
         and galleries:
                                      TC-7,8,9 TZ-1,2,4,5,6,7, GA-1,2
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-4
```

```
Number of trench:
                                      TZ-4
 1.
     Project No.:
                                      78/26
 2.
                                      Kopdag
 3.
     Area:
 4. Map No.:
                                      Erzincan, i-44, bl, No.1
 5.
     Coordinates:
                                      26.93 N,
                                                        07.36 E
 6.
     Altitude:
                                      2,030 m
 7. Name of the mine:
                                      C Kafa (2,000) (northern chrome zone)
     Location and communication:
                                      Güllünündere., Sıçankale Y., Aşkale,
                                      30 minutes from Siçankale Y., by car
 9.
     Type etc.:
                                      trench for exploration
10. Host rock:
                                      serpentinite
11.
     Orebody:
     Stratigraphic horizon in
         ultrabasic rocks;
                                      upper horizon (footwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                 N 35° - 40°E dip 36° - 40°NW
                                      (Direction of the ore zone;
                                                                  N 50°E )
                                      extension to strike-side
                                                                  55
     Scale of the orebody observed;
                                                                        m
                                      extension to dip-side
                                                                   5
                                                                        m
                                      width
                                                                   3
                                                                        m
     Shape of the orebody;
                                      layered, Two orebodies are present; one is
                                      located at this trench, another at TZ-5, and 6
12.
     Chromite banding around the
         orebody:
                                      not observed
     Fault around the orebody:
13.
                                      strike N 60°E dip 55°NW
14.
     Ore:
         Type of the ore;
                                      massive
         Ore minerals;
                                      chromite (uvarovite)
         Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                  60
                                                                        m
         orebody estimated:
                                      extension to dip-side
                                                                   5
                                                                        m
                                                                   5
                                      width
                                                                        m
                                                                        m^3
16.
     Volume of the trench estimated:
                                                              22,500
     The largest amount of the ore
17.
         estimated which is taken
         from the trench:
                                                               5,250
                                                                        ton
18.
     Amount of stock of the ore:
     Relation to the other trenches
         and galleries:
                                      TZ-5,6, GD-2,3, GC-9
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-4
```

Erzurum,	
30 minutes from Siçankale Y., by c	у)
9. Type etc.: trench for exploration	у)
10. Host rock: serpentinite11. Orebody: Stratigraphic horizon in	y)
ultrabasic rocks; upper horizon (footwall-side orebod Amount of the orebody; 1	
Direction of the orebody; strike * dip * (Direction of the ore zone; N 50°)	F 1
Scale of the orebody observed; extension to strike-side * extension to dip-side * width *	m m m
Shape of the orebody; *	***
12. Chromite banding around the orebody: not observed	
13. Fault around the orebody: not observed	
14. Ore: Type of the ore; massive Ore minerals; chromite	
Grade of the ore; macroscopic estimation, *	
15. The largest scale of the orebody estimated: extension to strike-side extension to dip-side 2 width 3	m m m
T ACCUSE.	m3
17. The largest amount of the ore estimated which is taken	
from the trench: 210 18. Amount of stock of the ore: -	ton
19. Relation to the other trenches	
and galleries: TZ-4,6 20. Laboratorical tests:	
21. Remarks: refer Plate 7-4	

1.	Number of trench:	TZ-6
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, b1, No.1
5.	Coordinates:	26.88 N, 7.38 E
6.	Altitude:	2,025 m
7.	Name of the mine:	C Kafa (2,000) (northern chrome zone)
8.	Location and communication:	Güllünündere., Sıçankale Y., Aşkale, Erzurum,
		30 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploration
10. 11.	Host rock:	serpentinite
11.	Orebody:	
	Stratigraphic horizon in	unner herizen (feetwall gide erchadu)
	ultrabasic rocks; Amount of the orebody;	upper horizon (footwall-side orebody)
	Direction of the orebody;	1 strike N 20° - 40°E dip 40° - 50°W
	Direction of the oregoty;	(Direction of the ore zone; N 50°E)
	Scale of the orebody observed;	extension to strike-side 25 m
	board of the ofenous observed,	extension to dip-side 23 m
		width 4 m
	Shape of the orebody;	layered
	bimpo of the ofebody,	layoroa
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore ;	massive
	Ore minerals;	chromite
	Gangue minerals ;	serpentine, magnesite, magnetite, stichtite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the	extension to strike-side 50 m
	orebody estimated:	extension to dip-side 25 m
		width 6 m
16.	Volume of the trench estimated:	10,000 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	13,130 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries:	TZ-4,5 GC-8
20.	Laboratorical tests:	X-ray diffractive analysis (Bx-3)
21.	Remarks:	refer Plate 7-4

1.	Number of trench:	TZ-7 *
2.		78/26
3.		Kopdağ
4.	Map No.:	
5.	Coordinates:	Erzincan, i-44, b1, No.1 27.05 N, 07.42 E
6.	Altitude:	27.05 N, 07.42 E 2,010 m
7.		
8.		C Kafa (2,000) (northern chrome zone) Güllünündere., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc. :	trench for exploitation
10.	Host rock:	componential (newslaws)
11.	Orebody:	serpentinite (powdery)
	Stratigraphic horizon in ultrabasic rocks ;	
	Amount of the orebody;	upper horizon (footwall-side orebody)
	Direction of the orebody;	1 strike N 74°E din 65°N
	- solution of the ofenous,	11 12 2 41b 00 14
	Scale of the orebody observed;	(Direction of the ore zone; N 50°E) extension to strike-side 20 m
	Shape of the orebody;	extension to dip-side 5 m width 1.2 m layered
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	100 00001464
	Type of the ore;	massive
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 20 m
	orebody estimated:	extension to dip-side 5 m
		width 1.5 m
16.	Volume of the trench estimated:	600 m ³
17.	The largest amount of the ore	000 111
	estimated which is taken	
	from the trench:	280 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries:	-
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-4

1.	Number of trench:	TZ-8
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, b1, No.1
	Coordinates:	26.68 N. 06.98 E
6.	Altitude:	2,085 m
7.	Name of the mine:	Orta Ezan (2,000) (northern chrome zone)
8.	Location and communication:	Büyükgüllünün Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc. :	trench for exploitation
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	manage bendang (bahasan bandanga) at band
	Stratigraphic horizon in ultrabasic rocks;	upper horizon (between hangingwall-side and footwall-side orebody)
	Amount of the orebody;	2
	Direction of the orebody;	strike N 85°E dip 48°N
	Scale of the orebody observed;	(Direction of the ore zone; *) extension to strike-side 14 m extension to dip-side 2.5 m
	Shape of the orebody;	width 2.5 m
12.	Chromite banding around the	
10	orebody:	strike N 50°W dip 33°NE
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore ;	massive
	Ore minerals ;	chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the	extension to strike-side 20 m
	orebody estimated:	extension to dip-side 2.5 m
		width 2.5 m
16.	Volume of the trench estimated:	460 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	300 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
0.0	and galleries:	-
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-4

```
1.
        Number of trench:
                                         TZ-9 (not surveyed in detail)
    2.
        Project No.:
                                         78/26
    3.
        Area:
                                         Kopdag
    4.
        Map No.:
                                         Erzincan, i-44, bl, No.1
    5.
        Coordinates:
                                         23.04 N,
                                                           08.73 E
    6.
        Altitude:
                                         1,885 m
    7.
        Name of the mine:
                                         Tecer (10,000) (sourthern chrome zone)
        Location and communication:
   8.
                                        Topkayanın Tepe, Ağcahisar, Aşkale,
                                        Erzurum,
                                        30 minutes from Ağcahisar, on foot
   9.
        Type etc.:
                                         trench
  10.
        Host rock :
                                        dunite
  11.
       Orebody:
       Stratigraphic horizon in
            ultrabasic rocks;
                                        middle horizon
       Amount of the orebody:
                                        1 *
       Direction of the orebody;
                                        strike
                                                                  dip
                                        (Direction of the ore zone;
                                                                    N 60°E )
       Scale of the orebody observed;
                                        extension to strike-side
                                                                          m
                                        extension to dip-side
                                                                          m
                                        width
                                                                          m
       Shape of the orebody;
      Chromite banding around the
 12.
           orebody:
                                       strike N 85°W dip 45°N
 13.
      Fault around the orebody:
                                       not observed
 14.
      Ore:
           Type of the ore:
           Ore minerals;
          Grade of the ore;
                                       macroscopic estimation,
15.
      The largest scale of the
                                       extension to strike-side
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                         m
                                       width
      Volume of the trench estimated:
16.
                                                                         m
17.
      The largest amount of the ore
                                                                        m^3
          estimated which is taken
          from the trench:
18.
     Amount of stock of the ore:
     Relation to the other trenches
19.
         and galleries:
                                      TZ-10
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

1. 2. 3. 4. 5. 6.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine:	TZ-10 (not surveyed in detail) 78/26 Kopdağ Erzincan, i-44, b1, No.1 23.00 N, 08.61 E 1,830 m Tecer (10,000) (southern chrome zone)
8.	Location and communication:	Topkayanın Tepe, Ağcahisar, Aşkale, Erzurum, 30 minutes from Ağcahisar, on foot
9.	Type etc.:	trench
10. 11.	Host rock : Orebody : Stratigraphic horizon in ultrabasic rocks ;	dunite . middle horizon
	Amount of the orebody;	1 *
	Direction of the orebody;	strike * dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 60°E) extension to strike-side * m extension to dip-side * m width * m
	Shape of the orebody;	*
12.	Chromite banding around the orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore; Ore minerals;	banded chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side * m extension to dip-side * m width * m
16.	Volume of the trench estimated:	width * m * m ³
17.	The largest amount of the ore estimated which is taken from the trench:	
18.	Amount of stock of the ore:	*
19.	Relation to the other trenches	**
± <i>U</i> •	and galleries:	TZ-9
20.	Laboratorical tests:	
21.	Remarks:	no sketch map
		-

1.	Number of outcrop:	SZ-1
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.1
5.	Coordinates:	27.32 N, 09.09 E
6.	Altitude:	2,067 m
7.	Name of the mine:	Çalazarlarındere (2,000)(northern chrome zone)
8.	Location and communication:	Çalazarlarındere, Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y.,
9.	Type etc. :	on foot and by car outcrop, covered by debris mostly
10.	Host rock:	serpentinite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 30°E dip 60°NW
	Gard Gu	(Direction of the ore zone; N 15°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side 10 m
	Glama Cut	width 1.5 m
	Shape of the orebody;	layered
12.	Chromite banding around the	strike N 10°E - N 25°W, N 55° - 80°W
	orebody:	dip 30° - 70°W, 40 - 55°SW (in turn)
13.	Fault around the orebody:	strike N 32°W dip 68°NE
14.	Ore:	
	Type of the ore ;	massive, banded
	Ore minerals;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, 30 - 40 % Cr2O3
		analytical value, 38.67% Cr2O3 from the
		outcrop, random sample
15.	The largest scale of the	extension to strike-side * m
	orebody estimated :	extension to dip-side * m
		width * m
16.	Volume of the trench estimated:	- m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	-
18.	Amount of stock of the ore:	_
19.	Relation to the other trenches	
0.0	and galleries:	TC-39
20.	Laboratorical tests:	chemical analysis of the ore (Ccr-7)
	_	polished section (Ccr-7, Ccr-50)
21.	Remarks:	refer Plate 7-3

		ı
1.	Number of gallery:	GA-1
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, b1, No.1
5.	Coordinates:	25.04 N, 07.27 E
6.	Altitude:	2,079 m
7.	Name of the mine :	B Kafa (2,000) (northern chrome zone)
8.	Location and communication:	Güllünündere, Sıçankale Y,
0,	Economical Communication .	Aşkale, Erzurum,
		30 minutes from Siçankale Y., by car
9.	Type etc. :	open, drift,past
	Trenches referred:	TZ-3
10.	- -:	
	Galleries referred:	GA-2
11.	Host rock:	strongly serpentinized dunite and serpentinite
12.	Orebody:	
	Stratigraphic horizon in	1 1 10 11 11 11 11 11 11 11
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike N80°E, dip 60°N
		(Direction of the ore zone; N50°E)
	Scale of the orebody observed;	extension to strike-side 40 m
		extension to dip-side to in
		width 2 m
	Altitude of orebody from the	
	outcrop or trench;	21 m
	Shape of the orebody;	lenticular
13.	Chromite banding around the	
	orebody:	not observed
14.	Fault around the orebody:	strike N30°-40°E,N80°E, dip 75°NW, 65°SE (in turn)
15.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals ;	chromite (uvarovite) (kaemmererite)
	Grade of the ore;	macroscopic estimation, 25 - 35 % Cr2O3
16.	Development of orebody com-	
	pared with the upperpart:	size; similar, grade; similar
17.	The largest scale of the	extension to strike-side 50 m
	orebody estimated :	extension to dip-side 10 m
	•	width 10 m
18.	Length of the gallery:	225 m
19.	Laboratorical tests:	_
20.	Remarks:	refer Plate 8
-		4 sublevel drift are included
		- Danie Agt at the are motoried

1. 2. 3. 4. 5. 6. 7.	Altitude: Name of the mine:	GA-2 * 78/26 Kopdağ Erzincan, i-44, b1, No.1 26.80 N, 07.32 E 2,060 m B Kafa (2,000) (northern chrome zone) Güllünündere, Sıçankale Y., Aşkale, Erzurum,
9.	Type etc. :	30 minutes from Siçankale Y., by car open, cross-cut, active in 1978
10. 11. 12.	Trenches referred: Galleries referred: Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks;	TZ-3 GA-1 strongly serpentinized dunite upper horizon (footwall-side orebody)
	Amount of the orebody; Direction of the orebody; Scale of the orebody observed; Altitude of orebody from the outcrop or trench; Shape of the orebody;	(Direction of the ore zone; N50°E) 40 m
13.	Chromite banding around the orebody:	strike N 20°W, dip 85°SW
14. 15.	Fault around the orebody: Ore: Type of the ore; Ore minerals; Grade of the ore;	strike N70°W, dip 80°S etc macroscopic estimation, -
16. 17.	Development of orebody com- pared with the upperpart: The largest scale of the orebody estimated:	- -
18. 19. 20.	Length of the gallery: Laboratorical tests: Remarks:	21 m - refer Plate 8

1.	Number of gallery: Project No.:	GB-1 * 78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, b1, No.1
5.	Coordinates:	26.48N, 07.08E
6.	Altitude:	2,018 m
7.	Name of the mine:	Doğu Ezan (2,000) (northern chrome zone)
8.	Location and communication:	Büyükgüllünun Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	open, cross-cut, active in 1978
10.	Trenches referred:	TC-9
	Galleries referred :	GC-3,4
11.	Host rock:	strongly serpentinized dunite and serpentinite
12.	Orebody:	(powdery)
	Stratigraphic horizon in	
	ultrabasie rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	-
	Direction of the orebody;	-
		(Direction of the ore zone; N50°E)
	Scale of the orebody observed;	-
	Altitude of orebody from the	
	outcrop or trench;	47 m
	Shape of the orebody;	-
13.	Chromite banding around the	
	orebody:	strike N, dip 10°W
14.	Fault around the orebody:	not observed
15.	Ore:	
	Type of the ore;	-
	Ore minerals;	-
	Grade of the ore;	macroscopic estimation, -
16.	Development of orebody com-	
	pared with the upperpart:	
17.	The largest scale of the	
	orebody estimated:	-
18.	Length of the gallery:	41 m
19.	Laboratorical tests:	-
20.	Remarks:	refer Plate 8

```
1.
       Number of gallery:
                                       GB-2
  2.
       Project No.:
                                       78/26
     Area:
  3.
                                       Kopdağ
  4. Map No.:
                                       Erzincan, i-44, b1, No.1
  5. Coordinates:
                                       26.52°N,
                                                  07.16°E
  6.
     Altitude:
                                       2,122 m
  7. Name of the mine:
                                       Doğu Ezan (2,000) (northern chrome zone)
  8.
      Location and communication:
                                       Büyükgüllünün Sr., Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Siçankale Y., by car
  9.
      Type etc. :
                                       open, drift
 10.
      Trenches referred:
      Galleries referred:
 11. Host rock:
                                       serpentinite (powdery)
 12.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks:
                                       upper horizon
      Amount of the orebody;
                                       1 *
      Direction of the orebody;
                                       strike N 40°E, dip 30°NW
                                       (Direction of the ore zone;
                                                                            )
      Scale of the orebody observed;
                                       width 1.1 m
      Altitude of orebody from the
          outcrop or trench;
      Shape of the orebody;
13.
      Chromite banding around the
          orebody:
                                      not observed
14.
      Fault around the orebody:
                                      strike
                                                N85°E,
                                                                dip
                                                                       32°N
15.
      Ore:
          Type of the ore;
                                      massive, brecciated
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation, 40-45\,\%~\mathrm{Cr}_2\mathrm{O}_3
16.
     Development of orebody com-
          pared with the upperpart:
17.
     The largest scale of the
          orebody estimated:
18.
     Length of the gallery:
                                                                  5
                                                                        m
     Laboratorical tests:
19.
20.
     Remarks:
                                      refer Plate 8
                                      This is located between TZ-3 and TZ-2.
```

```
GB-3 (not surveyed)
     Number of gallery:
 1.
 2.
     Project No.:
                                      78/26
                                     Kopdağ
 3.
     Area:
                                     Erzincan, i-44, a2, No.2
    Map No.:
                                     24.30 N,
                                                 05.05E
     Coordinates:
 5.
                                     2,105 m
 6.
    Altitude:
                                     Pembe Gül (northern chrome zone)
 7. Name of the mine:
     Location and communication:
                                     Keşandere, Cancıkkomu,
 8.
                                     Askale, Erzurum,
                                     60 minutes from Siçankale Y, on foot and by car.
                                     closed
9.
     Type etc.:
                                     TM-3
10.
     Trenches referred:
     Galleries referred:
     Host rock:
11.
12. Orebody:
     Stratigraphic horizon in
         ultrabasic rocks;
                                     upper horizon
     Amount of the orebody;
     Direction of the orebody;
                                      (Direction of the ore zone;
                                                                      )
     Scale of the orebody observed;
     Altitude of orebody from the
                                                                  10
          outcrop of trench;
                                                                       \mathbf{m}
     Shape of the orebody;
13.
     Chromite banding around the
          orebody:
14.
     Fault around the orebody:
15.
     Ore:
          Type of the ore;
          Ore minerals;
                                      chromite
                                      macroscopic estimation,
          Grade of the ore;
16.
     Development of orebody com-
          pared with the upperpart:
17.
     The largest scale of the
          orebody estimated:
18.
     Length of the gallery:
19.
     Laboratorical tests:
20.
     Remarks:
```

```
Number of gallery:
  1.
                                        GC-1 *
  2.
       Project No. :
                                        78/26
  3.
      Area:
                                        Kopdağ
  4.
       Map No.:
                                        Erzincan, i-44, b1, No.1
  5.
      Coordinates:
                                        27.13 N.
                                                   07.71E
  6.
      Altitude:
                                       2,075 m
  7.
      Name of the mine:
                                       Sulu (2,000) (northern chrome zone)
  8.
      Location and communication:
                                       Güllünündere, Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Sıçankale Y., by car
  9.
      Type etc.:
                                       open, drift, active in 1978
 10.
      Trenches referred:
                                       TC-31
      Galleries referred:
                                       GX-1
 11.
      Host rock:
                                       strongly serpentinized dunite
 12.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks:
                                       upper horizon (footwall-side orebody)
      Amount of the orebody:
      Direction of the orebody;
                                       Strike N 45°-80°W, N65°E, dip 45°-70°NE, 30°NW
                                       (Direction of the ore zone;
                                                                                (in turn)
                                                                    N85°E)
      Scale of the orebody observed;
                                       extension to strike-side
                                                                    55
                                       extension to dip-side
                                                                    17
                                                                         m
                                       width
                                                                2 - 10
                                                                         m
      Altitude of orebody from the
          outcrop or trench;
                                                                     0
                                                                         m
      Shape of the orebody;
                                       lenticular
      Chromite banding around the
13.
          orebody:
                                       strike
                                                N 25°E.
                                                                dip
                                                                        35° NW
      Fault around the orebody:
14.
                                       strike N80°E, dip 65°SE etc
15.
      Ore:
          Type of the ore;
                                       massive
          Ore minerals:
                                       chromite (kaemmererite)
          Gangue minerals ;
                                      serpentine, brucite, stichtite
          Grade of the ore:
                                       macroscopic estimation, *
16.
     Development of orebody com-
          pared with the upperpart:
                                      size;
                                             larger,
                                                         grade;
17.
     The largest scale of the
                                      extension to strike-side
                                                                   60
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                   20
                                                                         m
                                      width
                                                                   10
                                                                         m
18.
     Length of the gallery:
                                                                  143
                                                                         m
19.
     Laboratorical tests:
                                      x-ray diffractive analysis (Cx-3)
20.
     Remarks:
                                      refer Plate 8
                                      1 sublevel drift is included.
```

```
1.
      Number of gallery:
                                       GC-2 *
 2.
      Project No.:
                                       78/26
 3.
     Area:
                                       Kopdag
 4.
                                       Erzincan, i-44, b1, No.1
      Map No.:
 5.
      Coordinates:
                                       27.16 N,
                                                  07.70E
 6.
    Altitude:
                                      2,077 m
                                      Sulu (2,000) (northern chrome zone)
 7.
     Name of the mine:
 8.
     Location and communication:
                                      Güllünündere, Sıçankale Y.,
                                      Askale, Erzurum.
                                      30 minutes from Siçankale Y., by car
                                      open, drift, active in 1978
 9.
     Type etc.:
10.
     Trenches referred:
                                      TC-10
     Galleries referred:
11.
     Host rock:
                                      serpentinite
12.
     Orebody:
     Stratigraphic horizon in
                                      upper horizon
          ultrabasic rocks;
                                      (hangingwall-side orebody)
     Amount of the orebody:
                                      1
     Direction of the orebody :
                                      strike
                                                N65°E,
                                                                dip
                                                                       66° NW
                                      (Direction of the ore zone;
                                                                  N70°E)
                                      extension to strike-side
     Scale of the orebody observed;
                                                                   6
                                                                       m
                                      extension to dip-side
                                                                   2
                                                                       m
                                      extension to dip-side
                                                                  2
                                                                       m
                                      width
                                                                  2
                                                                       m
     Altitude of orebody from the
          outcrop or trench:
                                                                  18
                                                                       \mathbf{m}
     Shape of the orebody;
                                      lenticular
     Chromite banding around the
13.
                                                                dip
          orebody:
                                      strike
                                                N55°E,
                                                                       66°NW
14.
     Fault around the orebody:
                                      not observed
15.
     Ore:
          Type of the ore;
                                      massive
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation, *
16.
     Development of orebody com-
          pared with the upperpart:
                                                  grade; *
                                      size: *
                                      extension to strike-side
17.
     The largest scale of the
                                                               > 76
                                                                        m
          orebody estimated:
                                       extension to dip-side
                                                                > 2
                                                                        m
                                                               > 2
                                      width
                                                                        m
                                                                   7
18.
     Length of the gallery:
                                                                        m
     Laboratorical tests:
                                      polished section (Ccr-48)
19.
                                      refer Plate 8
20.
     Remarks:
```

```
1.
       Number of gallery:
                                        GC-3 (not surveyed)
   2.
       Project No. :
                                        78/26
   3.
       Area:
                                        Kopdag
   4.
      Map No.:
                                       Erzincan, i-44, b1, No.1
       Coordinates:
                                       26.60 N.
                                                   07.12E
   6.
       Altitude :
                                       2,043 m
   7.
       Name of the mine:
                                       Doğu Ezan (2,000) (northern chrome zone)
   8.
       Location and communication:
                                       Büyükgüllünün Sr., Sıçankale Y.,
                                       Askale, Erzurum,
                                       30 minutes from Sıçankale Y., by car
  9.
      Type etc.:
                                       closed, drift
 10.
      Trenches referred:
                                       TC-9
       Galleries referred:
                                       GC-4
 11.
      Host rock :
                                       strongly serpentinized dunite and serpentinite
 12. Orebody:
       Stratigraphic horizon in
           ultrabasic rocks :
                                       upper horizon (footwall-side orebody)
      Amount of the orebody;
                                       1*
       Direction of the orebody;
                                       (Direction of the ore zone; N50°E)
       Scale of the orebody observed;
      Altitude of orebody from the
           outcrop or trench;
                                                                   22
                                                                       m
      Shape of the orebody;
      Chromite banding around the
13.
          orebody:
14.
      Fault around the orebody:
15.
      Ore:
          Type of the ore;
          Ore minerals:
                                      chromite (uvarovite), (kaemmererite)
          Grade of the ore;
                                      macroscopic estimation, *
     Development of orebody com-
16.
          pared with the upperpart:
                                      size: *
                                                  grade; *
17.
     The largest scale of the
          orebody estimated:
18.
     Length of the gallery:
19.
     Laboratorical tests:
20.
     Remarks :
                                     refer 7-240
```

```
Number of gallery:
  1.
                                       GC-4 (not surveyed)
  2.
       Project No.:
                                       78/26
  3.
      Area:
                                       Kopdag
  4.
       Map No.:
                                       Erzincan, i-44, bl, No.1
  5.
       Coordinates:
                                       26.63 N,
                                                  07.08E
      Altitude:
                                       2,065 m
  7.
      Name of the mine:
                                       Doğu Ecan (2,000) (northern chrome zone)
  8.
      Location and communication:
                                       Büyükgüllünün Sr., Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Siçankale Y., by car
  9.
      Type etc.:
                                       closed, drift
 10.
      Trenches referred:
                                       TC-9
      Galleries referred:
                                      TC-3
 11.
      Host rock:
                                      strongly serpentinized dunite and serpentinite
 12.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks;
                                      upper horizon (footwall-side orebody)
      Amount of the orebody;
      Direction of the orebody;
                                      (Direction of the ore zone;
                                                                  N50°E)
      Scale of the orebody observed;
      Altitude of orebody from the
          outcrop or trench;
                                                                   0
                                                                       m
      Shape of the orebody;
13.
      Chromite banding around the
          orebody:
14.
      Fault around the orebody:
15.
      Ore:
          Type of the ore;
          Ore minerals;
                                      chromite (uvarovite), (kaemmererite)
          Grade of the ore;
                                      macroscopic estimation, *
16.
     Development of orebody com-
          pared with the upperpart:
                                     size; *
                                                  grade; *
17.
     The largest scale of the
          orebody estimated:
18.
     Length of the gallery:
19.
     Laboratorical tests:
20.
     Remarks:
                                     This gallery passes through GC-3.
                                     It is closed in 1978.
```

1. 2. 3.	Number of gallery: Project No.: Area:	GC-5 (not surveyed) 78/26 Kopdağ
4.	Map No.:	Erzinean, i-44, b1, No.1
5.	Coordinates:	26.22 N, 07.02 E
6.	Altitude:	1,936 m
7.	Name of the mine:	Tepebaşı (2,000) (northern chrome zone)
8.	Location and communication:	Büyükgüllünün Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	closed
10.	Trenches referred:	TC-6
	Galleries referred:	-
11.	Host rock:	*
12.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	*
	Direction of the orebody;	*
		(Direction of the ore zone; N30°E)
	Scale of the orebody observed;	*
	Altitude of orebody from the	
	outcrop or trench;	0 m
	Shape of the orebody;	*
13.	Chromite banding around the orebody:	*
14.	Fault around the orebody:	*
15.	Ore:	
	Type of the ore ;	*
	Ore minerals;	*
	Grade of the ore;	macroscopic estimation, *
16.	Development of orebody com-	
401	pared with the upperpart:	*
17.	The largest scale of the	
	orebody estimated:	*
18.	Length of the gallery:	*
19.	Laboratorical tests:	_
20.	Remarks:	-

		•
1.	Number of gallery:	GC-6 (not surveyed)
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, b1, No.1
5.	Coordinates:	27.09N, 07.56E
6.	Altitude:	2,025 m
7.	Name of the mine:	Sulu (2,000) (northern chrome zone)
8.	Location and communication:	Güllünündere, Sıçankale Y.,
		Aşkale, Erzurum,
		30 minutes from Sıçankale Y., by car
9.	Type etc.:	closed
	1,00000.	
10.	Trenches referred:	TM-1
	Galleries referred:	
11.	Host rock:	serpentinite
12.	Orebody:	borponomia
14.	Stratigraphic horizon in	upper horizon
	ultrabasic rocks;	(hangingwall-side, footwall-side orebody)
	Amount of the orebody;	*
	Direction of the orebody;	*
	Direction of the oresony,	(Direction of the ore zone; N70°, 85°E)
	Scale of the orebody observed;	*
	scare of the orebody observed;	•
	Altitude of enchadar from the	
	Altitude of orebody from the	0 m
	outcrop or trench;	
	Shape of the orebody;	*
13.	Chromite banding around the	de.
	orebody:	*
14.	Fault around the orebody:	*
15.	Ore:	
	Type of the ore;	*
	Ore mineral ;	*
	Grade of the ore;	macroscopic estimation, *
16.	Development of orebody com-	
	pared with the upperpart:	*
17.	The largest scale of the	
	orebody estimated:	*
18.	Length of the gallery:	*
19.	Laboratorical tests:	-
20.	Remarks:	

```
GC-7 (not surveyed)
    Number of gallery:
1.
                                     78/26
    Project No.:
2.
                                    Kopdag
    Area:
3.
                                    Erzincan, i-44, bl, No.1
4. Map No.:
                                    26.80 N,
                                                06.81E
    Coordinates:
                                     2,060 m
    Altitude:
6.
                                     Batı Ezan (2,000) (northern chrome zone)
7. Name of the mine:
                                     Büyükgüllünün Sr., Sıçankale Y.,
    Location and communication:
                                     Aşkale, Erzurum,
                                     30 minutes from Sıçankale Y., by car
                                     closed
     Type etc.:
9.
                                     TZ-1
     Trenches referred:
     Galleries referred:
                                     serpentinite
     Host rock:
11.
12.
     Orebody:
     Stratigraphic horizon in
                                     upper horizon (hangingwall-side orebody)
         ultrabasic rocks;
     Amount of the orebody;
     Direction of the orebody;
                                     (Direction of the ore zone; N70°E)
     Scale of the orebody observed;
     Altitude of orebody from the
                                                                 6
                                                                      m
          outcrop or trench;
     Shape of the orebody;
     Chromite banding around the
13.
          orebody:
14. Fault around the orebody:
15.
     Ore:
          Type of the ore;
          Ore minerals;
                                      macroscopic estimation, *
          Grade of the ore;
      Development of orebody com-
16.
          pared with the upperpart:
      The largest scale of the
17.
          orebody estimated:
      Length of the gallery:
 18.
      Laboratorical tests:
 19.
 20.
      Remarks:
```

```
1.
       Number of gallery:
                                       GC-8 (not surveyed)
   2.
       Project No.:
                                       78/26
  3.
       Area:
                                       Kopdag
  4.
       Map No.:
                                       Erzincan, i-44, bl, No.1
  5.
       Coordinates:
                                       26.89 N,
                                                  07.39E
  6.
      Altitude:
                                       2,025 m
  7.
      Name of the mine:
                                       C Kafa (2,000) (northern chrome zone)
      Location and communication:
  8.
                                       Güllünündere, Sıçankale Y.,
                                       Aşkale, Erzurum
                                       30 minutes from Sıçankale Y., by car
  9.
      Type etc.:
                                       closed
 10.
      Trenches referred:
                                       TZ-6
      Galleries referred:
 11.
      Host rock:
                                       serpentinite
 12.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks:
                                      upper horizon (footwall-side orebody)
      Amount of the orebody:
      Direction of the orebody:
                                      (Direction of the ore zone;
                                                                  N50°E)
      Scale of the orebody observed;
      Altitude of orebody from the
          outcrop or trench;
                                                                       m
      Shape of the orebody;
13.
      Chromite banding around the
          orebody:
14.
      Fault around the orebody:
15.
      Ore:
          Type of the ore;
          Ore minerals;
          Grade of the ore;
                                      macroscopic estimation. *
16.
     Development of orebody com-
          pared with the upperpart:
17.
     The largest scale of the
         orebody estimated:
18.
     Length of the gallery:
19.
     Laboratorical tests:
20.
     Remarks:
```

```
1.
       Number of gallery:
                                        GC-9 (not surveyed)
   2.
        Project No.:
                                        78/26
   3.
       Area:
                                       Kopdag
   4.
       Map No.:
                                       Erzinean, i-44, bl, No.1
   5.
       Coordinates:
                                       26.89 N,
                                                  07.32E
   6.
       Altitude :
                                       2,060 m
   7.
       Name of the mine:
                                       C Kafa (2,000) (northern chrome zone)
       Location and communication:
                                       Güllünündere, Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Sıçankale Y., by car
   9.
       Type etc.:
                                       closed
 10.
       Trenches referred:
                                       TZ-4
       Galleries referred :
                                       GD-2,3
 11.
      Host rock:
                                       serpentinite
 12.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks;
                                      upper horizon (footwall-side orebody)
       Amount of the orebody;
      Direction of the orebody;
                                       (Direction of the ore zone;
                                                                  N50°E)
      Scale of the orebody observed;
      Altitude of orebody from the
           outcrop or trench;
                                                                  0
                                                                      m
      Shape of the orebody;
 13.
      Chromite banding around the
          orebody:
 14.
      Fault around the orebody:
15.
      Ore:
          Type of the ore;
          Ore minerals:
          Grade of the ore;
                                      macroscopic estimation, *
16.
     Development of orebody com-
          pared with the upperpart:
17.
     The largest scale of the
          orebody estimated:
                                     *
18.
     Length of the gallery:
19.
     Laboratorical tests :
20.
     Remarks:
```

1. 2. 3. 4. 5. 6.	Area: Map No.: Coordinates: Altitude:	GD-1 78/26 Kopdağ Trabzon, H-44, c-3, No.4 30.49 N, 18.70 E 2,520 m Cosan (2,000) (nowthern charge page)
		Coşan (2,000) (northern chrome zone) Iskınlığındere, Kop, Bayburt, Gümüşhane 30 minutes from Sıçankale Y., by car
	- JPC 010.	open, cross-cut
10.	Trenches referred:	TD-33
	Galleries referred:	<u></u>
11.	Host rock:	serpentinized denite
12.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon
	Amount of the orebody;	-
	Direction of the orebody; Scale of the orebody observed;	-
	scare of the orebody observed;	-
	Altitude of orebody from the	
	outcrop or trench;	65 m (estimated)
	Shape of the orebody;	65 m (estimated)
13.	Chromite banding around the	
	orebody:	strike N5°W, dip 50°W
14.	Fault around the orebody:	strike N30°E, N60°E, N60°W, N82°E,
16	0	dip 30°SE, 70°SE, 50°SW, 66°N (in turn)
15.	Ore:	,
	Type of the ore ; Ore minerals ;	-
	Ore minerals;	-
	Grade of the ore;	-
16.	Development of orebody com-	
	pared with the upperpart:	*
17.	The largest scale of the	
	orebody estimated:	*
18.	Length of the gallery:	193 m
19.	Laboratorical tests:	-
20.	Remarks:	refer Plate 8

```
1.
       Number of gallery:
                                       GD-2
  2.
       Project No.:
                                       78/26
  3.
      Area:
                                       Kopdag
  4.
      Map No.:
                                       Erzincan, i-44, b1, No.1
  5.
      Coordinates:
                                       26.95°N,
                                                  07.38°E
  6.
      Altitude:
                                       2,013 m
  7.
      Name of the mine:
                                       C Kafa (2,000) (northern chrome zone)
      Location and communication:
  8.
                                       Güllünündere, Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Sıçankale Y., by car
  9.
      Type etc.:
                                       closed, drift
 10.
      Trenches referred:
                                       TZ-4
      Galleries referred :
                                       GD-3
 11.
      Host rock :
                                       strongly serpentinized dunite and serpentinite
 12.
      Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon (footwall-side orebody)
      Amount of the orebody:
      Direction of the orebody;
                                       strike N50° 78°E, N40°W, dip 75°SE, 60°SW (in turn)
                                       (Direction of the ore zone;
                                                                   N50°E)
      Scale of the orebody observed;
                                       extension to strike-side
                                                                  10
                                                                        m
                                       extension to dip-side
                                                                   2
                                                                        m
                                       width
                                                                   2
                                                                        m
      Altitude of orebody from the
          outcrop or trench;
                                                                   7
                                                                        m
      Shape of the orebody;
                                       lenticular
13.
     Chromite banding around the
          orebody:
                                      strike
                                                N40°W,
                                                                dip
                                                                       80°SW
      Fault around the orebody:
14.
                                      strike
                                                N70°W.
                                                                dip
                                                                       60°N etc.
15.
     Ore:
          Type of the ore:
                                      massive, brecciated
          Ore minerals :
                                      chromite
          Grade of the ore:
                                      macroscopic estimation, 35 % Cr2O3
16.
     Development of orebody com-
          pared with the upperpart:
                                      size; *
                                                  grade:
17.
     The largest scale of the
                                      extension to strike-side
                                                                 10
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  2
                                                                        m
                                      width
                                                                  2
                                                                        m
18.
     Length of the gallery:
                                                                 88
                                                                        m
     Laboratorical tests:
19.
20.
     Remarks:
                                      refer Plate 8
                                      1 sublevel drift is included.
```

4	SV. 1 0 11	0.7.4
1.	Number of gallery:	GD-3
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No. :	Erzincan, i-44, b1, No.1
5.	Coordinates:	26.93N, 07.35E
6.	Altitude:	2,025 m
7.	Name of the mine:	C Kafa (2,000) (northern chrome zone)
8.	Location and communication:	Güllünündere, Sıçankale Y.,
		Aşkale, Erzurum,
	m t	30 minutes from Sıçankale Y., by car
9.	Type etc. : Trenches referred :	open, drift
10.		TZ-4
11.	Galleries referred:	GD-2
	Host rock:	serpentinite
12.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike N50°-80°E, dip 45°-80°NW
	Cools of the small development.	(Direction of the ore zone; N50°E)
	Scale of the orebody observed;	extension to strike-side 40 m
		extension to dip-side 6 m
	Allitude of anchods from the	width 3 - 10 m
	Altitude of orebody from the	Δ
	outcrop or trench;	0 m
40	Shape of the orebody;	lenticular
13.	Chromite banding around the	not abgomed
	orebody:	not observed
14.	Fault around the orebody:	strike N48°W, dip 80°NE
15.	Ore:	maggina busasiaksi
	Type of the ore;	massive, brecciated
	Ore minerals ;	chromite (uvarovite)
	Grade of the ore ;	macroscopic estimation, 30-35 % Cr ₂ O ₃
	Grade of the ore;	macroscopic estimation, 30 - 35 % Cr2O3
16.	Development of orebody com-	
200	pared with the upperpart:	size; * grade; *
17.	The largest scale of the	extension to strike-side 40 m
	orebody estimated:	extension to dip-side 6 m
	The the transfer of the transf	width 10 m
18.	Length of the gallery:	80 m
19.	Laboratorical tests:	-
20.	Remarks:	refer Plate 8
·	and American state.	1 sublevel is included
		· · · · · · · · · · · · · · · · · · ·

1. 2.	- State of Barroly .	GM-1 * 78/26
3.		Kopdağ
4.		Erzincan, i-44, bl, No.1
5.		26.28N, 07.07 E
6.	Altitude:	
7.	Name of the mine :	1,990 m
8.	Location and communication:	Orta Ezan (2,000) (northern chrome zone)
0.	nocation and communication:	Büyükgüllünun Sr., Sıçankale Y., Aşkale, Erzurum.
9.	Type etc. :	30 minutes from Siçankale Y., by car open, cross-cut, active in 1978
10.	Trenches referred:	TC-8
	Galleries referred:	-
11.	Host rock:	serpentinized dunite
12.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	-
	Direction of the orebody;	 -
	Scale of the orebody observed;	(Direction of the ore zone; N50°E)
	board of the orebody observed;	-
	Altitude of orebody from the	
	outcrop or trench;	48 m
10	Shape of the orebody;	-
13.	Chromite banding around the orebody:	not observed
14.	Fault around the orebody:	
15.	Ore:	not observed
10.		
	Type of the ore ; Ore minerals ;	-
	Gangue minerals ;	
		serpentine, magnesite, magnetite, stichtite
	Grade of the ore;	macroscopic estimation, -
16.	Development of orebody com-	
	pared with the upperpart:	*
17.	The largest scale of the	
_,,	orebody estimated:	
	orelogy estimated:	*
18.	Length of the gallery:	50 m
19.	Laboratorical tests:	X-ray diffractive analysis (Bx-1)
20.	Remarks:	refer Plate 8
,	Acomut no i	Total Place o

1. 2. 3. 4. 5. 6. 7. 8.	Number of gallery: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication: Type etc.:	GX-1 * 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.10 N, 07.68 E 2,057 m Sulu (2,000) (northern chrome zone) Güllünündere, Sıçankale Y., Aşkale, Erzurum 30 minutes from Sıçankale Y., by car open, cross-cut (footwall), active in 1978
	Lypo coot .	open, cross-cut (tootwair), active in 1976
10. 11. 12.	Trenches referred: Galleries referred: Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	TC-31 GC-1 serpentinized dunite and dunite upper horizon (footwall-side orebody) (Direction of the ore zone; N85°E)
	Altitude of orebody from the outcrop or trench; Shape of the orebody;	18 m
13.	Chromite banding around the orebody:	not observed
14. 15.	Fault around the orebody: Ore: Type of the ore; Ore minerals;	confirmed, strike N 10°E-70°W, dip 14°-43°E-N - *
	Grade of the ore;	macroscopic estimation, -
16.	Development of orebody compared with the upperpart:	-
17.	The largest scale of the orebody estimated:	*
18. 19. 20.	Length of the gallery: Laboratorical tests: Remarks:	refer Plate 8 1 sublevel cross-cut is included



