APPENDIX 7

```
(2,000, 10,000, 25,000) shows the geological map
name of the area:
                    where the trench is located.
specific gravity of {
                    serpentinite
                                       2.6
                    dunite
                                       3.0
                    low-grade ore :
                                     3.0
                    stock of ore :
                                     3.0
                    high-grade ore:
                                       3.5
                    magnesite
                                       3.0
           TZ-1 *: operated in 1978
                 : not operated in 1978
           TA-1
                 : none
                 : uncertain
                 : not recorded
               ): small in amount
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, ,

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1.	Number of trench:	TA-1 (not surveyed in detail)
2.	Project No. :	78/26
3.	Area:	Kopdağ
4.	Map No. :	Erzurum i-45, a1, No.1
5.	Coordinates:	27.83 N, 30.20 E
6.	Altitude:	1,920 - 1,950 m
7.	Name of the area:	Hasbeykomu (magnesite) (25,000) (east Kop
8.	Location and communication:	Henegesuyu, Hasbeykomu chrome zone)
	·	Aşkale, Erzurum, 10 minutes from Hasbey-
		komu on foot
9.	Type etc. :	trench for exploration
		broken for exploration
10.	Host rock:	serpentinized dunite
11.	Orebody:	serpendinized durine
	Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	
	birosion of the orebody,	strike N 15°E dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 30°E)
	boare of the ofenody observed;	extension to strike-side 140 m
		extension to dip-side 30 m
	Shape of the orebody;	width 120 m
	shape of the orebody;	lenticular 9 trenches are observed
12.	Chromito honding a grand to	in magnesite (with dolomite) orebody.
14.	Chromite banding around the	not observed
10	orebody:	
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive
	Ore minerals;	magnesite
	Gangue minerals;	serpentine, dolomite
	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:	160 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	500 ton
18.	Amount of stock of the ore:	
19.	Relation to the other trenches	*
	and galleries:	_
20.	Laboratorical tests:	thin section (A-91)
21.	Remarks:	refer Plate 7-6
		TOTOT 11000 1-0

1.	Number of trench:	TA-2	
2.	Project No.:	78/26	
3. 4.	Area: Map No.:	Kopdag Erzincan, i-44, a2, No.2	
5.	Coordinates :	23.20 N, 03.03 E	
6.	Altitude:	1,925 m	
7.	Name of the mine :	Karaginey Tepe (2,000)	
8.	Location and communication:	Karagüney Tepe, Kelvezikomu	
	Podaton and communication .	Çayırlı Erzincan, 20 minutes from Kelvezikon on foot	au
9.	Type etc.:	pit for exploration	
10. 11.	Host rock: Orebody:	strongly serpentinized harzburgite	
	Stratigraphic horizon in ultrabasic rocks;	upper horizon (lower part)	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 65° w dip 34° N	
	,	(Direction of the ore zone; N 80°E)	
	Scale of the orebody observed;	extension to strike-side * m	
	•	extension to dip-side * m	
		width 0.15 m	
	Shape of the orebody;	layered	
12.	Chromite banding around the orebody:	not observed ,	
13.	Fault around the orebody:	not ovserved	
14.	Ore:		
	Type of the ore;	massive	
	Ore minerals;	chromite (uvarovite)	
	Grade of the ore;	macroscopic estimation, * (high-grade)	
15.	The largest scale of the	extension to strike-side 2.4 m	
	orebody estimated:	extension to dip-side 0.7 m	
		width 0.2 m	
16.	Volume of the trench estimated:	$2.5 ext{ m}^3$	
17.	The largest amount of the ore estimated which is taken		
	from the trench:	1 ton	
18.	Amount of stock of the ore:	0.7 ton (45 % Cr ₂ O ₃ is estimated)	
19.	Relation to the other trenches		
	and galleries:	TA-3,4	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-6	

```
1.
      Number of trench:
                                       TA-3
                                              (not surveyed in detail)
  2.
      Project No.:
                                       78/26
  3.
     Area:
                                       Kopdağ
  4.
      Map No.:
                                       Erzincan, i-44, a2, No.2
  5.
      Coordinates:
                                       23.23 N,
                                                         03.03 E
  6. Altitude:
                                       1,925 m
  7.
      Name of the mine:
                                       Karagüney Tepe (2,000) (northern chrome zone)
  8.
      Location and communication:
                                       Karagüney Tepe, Kelvezi komu Çayırlı
                                       Erzincan, 20 minutes from Kelevezikomu
                                       on foot
  9.
      Type etc.:
                                       pit for exploration, covered by soil
                                       completely
 10.
      Host rock:
 11. Orebody:
      Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon (lower part)
      Amount of the orebody;
      Direction of the orebody:
                                       strike
                                       (Direction of the ore zone;
                                                                   N 80°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;
          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
     Amount of stock of the ore:
18.
     Relation to the other trenches
19.
          and galleries:
                                      TA-2,4
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

1.	Number of trench:	TA-4 (not surveyed in detail)
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	23.23 N, 03.03 E
6.	Altitude:	1,925 m
7.	Name of the mine:	Karagüney Tepe (2,000)
8.	Location and communication:	Karagüney Tepe, Kelvezikomu Çayırlı, Erzincan, 20 minutes from Kelvezikomu on foot
9.	Type etc.:	pit for exploration, covered by soil com- pletely
10.	Host rock:	*
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (lower part)
	Amount of the orebody;	*
	Direction of the orebody;	strike *
		(Direction of the ore zone; N 80°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;	*
	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:	*
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:	TA-2,3
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-6

1.	Number of trench:	TA-5
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	23.23 N, 04.22 E
6.	Altitude:	1,960 m
7.	Name of the mine:	·
8.	Location and communication:	Baltadeğmez (2,000) (northern chrome zone)
		Baltadeğmez Sr., Cancıkkomu, Aşkale, Erzurum, 45 minutes from Sıçankale Y.,
		by car
9.	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;	2 - 3
	Direction of the orebody;	strike N 18° W dip 10° W
	Cools of the analysis also areas	(Direction of the ore zone; N 74°E)
	Scale of the orebody observed;	extension to strike-side 0.3 m
		extension to dip-side 0.5 m width >0.15 m
	Shape of the orebody;	lenticular, network
	shape of the orebody;	orebody disseminates into the host rock
12.	Chromite banding around the	oresody disseminates into the nost fock
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive, disseminated, powdery
	Ore minerals ;	chromite
	Gangue minerals	serpentine, magnesite, stichtite
	Grade of the ore;	macroscopic estimation, 30 - 40 % Cr ₂ O ₃
		2-0
15.	The largest scale of the	extension to strike-side 6 m
	orebody estimated:	extension to dip-side 3.5 m
		width 1 m
16.	Volume of the trench estimated:	80 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	75 ton
18.	Amount of stock of the ore:	1 ton (high-grade ore, 45% Cr ₂ O ₃ estimated)
19.	Relation to the other trenches	
	and galleries:	TA-6,7,8,9
20.	Laboratorical tests:	X-ray diffractive analysis (A-121)
21.	Remarks:	refer Plate 7-6

1.	Number of trench:	TA-6
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	23.20 N, 04.16 E
6.	Altitude:	1,965 m
7.	Name of the mine:	Baltadeğmez (2,000) (northern chrome zone)
8.	Location and communication:	Baltadegmez Sr., Cancıkkomu, Aşkale,
		Erzurum, 45 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite and serpentinite (powdery)
11.	Orebody:	•
	Stratigraphic horizon in	
	ultrabasic rocks ;	upper horizon (footwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike N 76°E dip 44°N
	,	(Direction of the ore zone; N 74°E)
	Scale of the orebody observed;	extension to strike-side 1.2 m
	,	extension to dip-side 0.5 m
		width 0.35 m
	Shape of the orebody;	layered
	Dimpo of the closury,	, ,
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	strike N 70°E dip 72°N
14.	Ore:	•
	Type of the ore;	massive, powdery
	Ore minerals ;	chromite
	Gangue minerals ;	serpentine, magnesite
	Grade of the ore ;	macroscopic estimation, 30 - 40 % Cr ₂ O ₃
	Grade of the ore,	macroscopic estimation, 30 - 10 % 01203
15.	The largest scale of the	extension to strike-side 20 m
TO.	orebody estimated:	extension to dip-side 3 m
	orebody estimated:	width 1.5 m
16.	Volume of the trench estimated:	330 m ³
	The largest amount of the ore	990 HI-
17.	estimated which is taken	
		ast ton
10	from the trench:	315 ton
18.	Amount of stock of the ore:	very small
19.	Relation to the other trenches	m. 5 5 0 0
	and galleries:	TA-5,7,8,9
20.	Laboratorical tests:	X-ray diffractive analysis (Acr-97)
21.	Remarks:	refer Plate 7-6

1. 2. 3.	Number of trench: Project No.: Area:	TA-7 78/26 Kopdag
4.	Map No.:	Erzinean, i-44, a2, No.2
5.	Coordinates:	23.19 N, 04.14 E
6.	Altitude:	1,955 m
7.	Name of the mine:	Baltadegmez (2,000) (northern chrome zone)
8.	Location and communication:	Baltadeğmez Sr., Cancıkkomu, Aşkale,
		Erzurum, 45 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploitation
10. 11.	Host rock : Orebody :	serpentinite (powdery)
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	* 1
	Direction of the orebody;	strike * dip *
	Soolo of the contrate observed	(Direction of the ore zone; E)
	Scale of the orebody observed;	extension to strike-side 0.2 m extension to dip-side 0.4 m
		extension to dip-side 0.4 m width 0.09 m
	Shape of the orebody;	lenticular
	pumpe of the effective ,	Orebody disseminates into the host rock
12.	Chromite banding around the	Olobody alebominators may ale need look
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore ;	disseminated, powdery
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 15 - 20 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 7 m
	orebody estimated:	extension to dip-side 1.2 m
		width 1 m
16.	Volume of the trench estimated:	$55 ext{ m}^3$
17.	The largest amount of the ore estimated which is taken	
40	from the trench:	30 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	m
00	and galleries:	TA-5,6,8,9
20.	Laboratorical tests:	motor Disto 7-6
21.	Remarks:	refer Plate 7-6

1. 2. 3.	Number of trench: Project No.: Area:	TA-8 78/26 Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.2
ō.	-	23.20 N, 04.12 E
6.	Altitude:	1,955 m
7.	Name of the mine:	Baltadegmez (2,000) (northern chrome zone)
s.	Location and communication:	Baltadeğmez Sr., Cancıkkomu, Aşkale, Erzurum, 45 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploitation
10. 11.	Host rock: Orebody:	serpentinite (powdery)
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	upper horizon (footwall-side orebody)
	Direction of the orebody;	strike * dip *
	•	(Direction of the ore zone; E)
	Scale of the orebody observed;	extension to strike-side 0.1 m extension to dip-side 0.5 m width 0.09 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the orebody:	strike E dip 28°N
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore; Ore minerals;	disseminated, banded, powdery chromite
	Grade of the ore;	macroscopic estimation, 15% Cr ₂ O ₃
15.	The largest scale of the orebody estimated:	extension to strike-side 7 m extension to dip-side 1.8 m width 1 m
16.	Volume of the trench estimated:	30 m ³
17.	The largest amount of the ore estimated which is taken	45 ton
18.	from the trench: Amount of stock of the ore:	45 ton
19.	Relation to the other trenches	_
10.	and galleries:	TA-5,6,7,9
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-6

```
1.
      Number of trench:
                                       TA-9
 2.
      Project No.:
                                       78/26
 3. Area:
                                      Kopdag
 4. Map No.:
                                      Erzincan, i-44, a2, No.2
 5.
     Coordinates:
                                      23.20 N,
                                                         04.10 E
 6. Altitude:
                                      1,950 m
 7.
     Name of the mine:
                                       Baltadeğmez (2,000) (northern chrome zone)
     Location and communication:
                                      Baltadeğmez Sr., Cancıkkomu, Aşkale,
                                      Erzurum, 45 minutes from Sıçankale Y.,
 9.
     Type etc.:
                                      trench or pit for exploration, covered by
                                      soil completely
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 :
                                                                  \mathbf{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 ;
         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
     Volume of the trench estimated:
16.
                                                                < 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:
19.
     Relation to the other trenches
         and galleries:
                                      TA-5,6,7,8
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

4	Number of trench:	TA-10	
$\frac{1}{2}$.	Project No.:	78/26	
2. 3.	Area:	Kopdağ	
4.	Map No.:	Erzincan, i-44, a2, No.2	
5.	Coordinates:	23.78 N, 04.44 E	
6.	Altitude:	2,110 m	
7.	Name of the mine :		
8.	Location and communication:	Dikyokuş (2,000) (northern chrome zone) Baltadeğmez Sr., Cancıkkomu, Aşkale, Erzurum, 60 minutes from Sıçankale Y., on foot and by car	
9.	Type etc.:	trench for exploration	
10.	Host rock:	strongly serpentinized dunite and serpentinite	
11.	Orebody:		
***	Stratigraphic horizon in		
	ultrabasic rocks;	upper horizon (hangingwall-side orebody)	
	Amount of the orebody;	1 N 05271 N 902N	
	Direction of the orebody;	strike N 85°E dip 32°N	
	- 1 011 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(Direction of the ore zone; N 85°W) extension to strike-side 0.1 m	
	Scale of the orebody observed;	extension to strike-side 0.1 m extension to dip-side 0.5 m width 0.9 m (unit layer of the ore is 0.03 - 0.15 m)	
	Shape of the orebody;	layered, network	
12.	Chromite banding around the	, - .,	
	orebody:	not observed	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	massive, disseminated, powdery	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, 15-40% Cr2O3	
		(disseminated massive) analytical value	
		19.49% Cr ₂ O ₃ from the outcrop, random sa	urbre
15.	The largest scale of the	extension to strike-side 9 m	
	orebody estimated:	extension to dip-side 2 m	
		width 0.8 m 50 m ³	
16.	Volume of the trench estimated:	50 m ³	
17.	The largest amount of the ore estimated which is taken		
	from the trench:	50 ton	
18.	Amount of stock of the ore:	20 ton	
19.	Relation to the other trenches	20 011	
10.	and galleries:	TB-4,5	
20. 21.	Laboratorical tests : Remarks :	polished section (Acr-12) chemical analysis refer Plate 7-6 the ore (Acr	
4 1 €	Tionming .	20101 1 1000 . 0	/

7	Mumbay of typnah	TA 11
1. 2.	Number of trench: Project No.:	TA-11 78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates :	24.32 N, 05.21 E
6.	Altitude:	2,195 m
7.	Name of the mine :	Pembe Gül (2,000) (northern chrome zone)
8.	Location and communication:	• • • •
	2000/2011 4110 001111111111111111111111111111	Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 80 minutes from Sıçankale Y., on foot and
9.	Type etc.:	by car pit for exploration
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	
	Stratigraphic horizon in	umman hawiran /facturall gida anabadus
	ultrabasic rocks;	upper horizon (footwall-side orebody)
	Amount of the orebody;	1 strike N 25°E dip 16° 20°W
	Direction of the orebody;	(Direction of the ore zone; N 10°E)
	Scale of the orebody observed;	extension to strike-side * m
	boule of the ofessoay observed,	extension to dip-side * m
		width 0.05 - 0.2 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, powdery
	Ore minerals ;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, * (high-grade)
15.	The largest scale of the	extension to strike-side 1.8 m
	orebody estimated:	extension to dip-side 1 m
10	Volume of the trench estimated:	width 0.3 m 1 m ³
16. 17.	The largest amount of the ore	1 1110
т	estimated which is taken	
	from the trench:	< 1 ton
18.	Amount of stock of the ore:	0.4 ton (50 % Cr ₂ O ₃ estimated)
19.	Relation to the other trenches	00 10 00 10 00 2000 oppiniments
	and galleries:	TA-12,13,14,15,16
20.	Laboratorical tests:	polished section (Acr-7)
21.	Remarks:	refer Plate 7-5

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:	TA-12 78/26 Kopdağ Erzincan, i-44, a2, No.2 24.33 N, 05.22 E 2,195 m Pembe Gül (2,000) (northern chrome zone) Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 80 minutes from Sıçankale Y., on foot and by car pit for exploration
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;	upper horizon (footwail-side orebody) 1 strike N 5°E dip 40°W (Direction of the ore zone; N 10°E) extension to strike-side * m extension to dip-side * m width >0.15 m
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 assumed, strike N 45°W dip* massive, powdery chromite (uvarovite) macroscopic estimation, * (high-grade)
15. 16. 17.	The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken	extension to strike-side 2 m extension to dip-side 1.2 m width 0.2 m 1 m 3
18. 19. 20. 21.	from the trench: Amount of stock of the ore: Relation to the other trenches and galleries: Laboratorical tests: Remarks:	<1 ton refer TA-11 TA-11,13,14,15,16 - refer Plate 7-5

```
1.
     Number of trench:
                                      TA-13
     Project No.:
 2.
                                       78/26
 3.
     Area:
                                      Kopdag
 4.
     Map No.:
                                      Erzincan, i-44, a2, No.2
                                                        05.21
 5.
     Coordinates:
                                      24.35 N,
 6.
     Altitude:
                                      2,195 m
 7. Name of the mine:
                                      Pembe Gül (2,000) (northern chrome zone)
 8.
     Location and communication:
                                      Kesan Tepe, Cancikkomu Askale, Erzurum,
                                      80 minutes from Siçankale Y., on foot and
                                      by car
 9.
     Type etc.:
                                      pit for exploration
10.
     Host rock:
                                      serpentinite (powdery)
11.
     Orebody:
     Stratigraphic horizon in
          ultrabasic rocks;
                                      upper horizon (footwall-side orebody)
     Amount of the orebody:
                                      1
     Direction of the orebody;
                                      strike
                                                         N 40°E dip 18°NW
                                       (Direction of the ore zone; N 20°E)
     Scale of the orebody observed;
                                       extension to strike-side
                                       extension to dip-side
                                                                         m
                                      width
                                                                 > 0.16 \text{ m}
     Shape of the orebody;
                                      lenticular
12.
     Chromite banding around the
          orebody:
                                      not observed
                                      assumed, strike N45°W dip *
13.
     Fault around the orebody:
14.
     Ore:
                                       massive, disseminated, powdery
          Type of the ore;
         Ore minerals;
                                      chromite (uvarovite)
                                                                40 - 45 % Cr<sub>2</sub>O<sub>3</sub>
         Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                   1.6
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                   1.2
                                                                         m
                                      width
                                                                   0.2
                                                                         m
                                                                         m^3
16.
     Volume of the trench estimated:
                                                                   1
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:
                                      TA-11,12,14,15,16
20.
     Laboratorical tests:
     Remarks:
                                      refer Plate 7-5
21.
```

```
1.
      Number of trench:
                                      TA-14 (not surveyed in detail)
      Project No.:
 2.
                                      78/26
 3.
      Area:
                                      Kopdağ
 4.
                                      Erzincan, i-44, a2, No.2
      Map No.:
 5.
      Coordinates:
                                      24.39 N.
                                                        05.21 E
 6.
      Altitude:
                                      2,185 m
 7.
      Name of the mine:
                                      Pembe Gül (2,000) (northern chrome zone)
      Location and communication:
 8.
                                      Keşan Tepe, Cancıkkomu Askale, Erzurum,
                                      90 minutes from Siçankale Y., onfoot and
 9.
      Type etc.:
                                      pit for exploration, covered by soil comple-
                                      tely
10.
      Host rock:
                                      *
      Orebody:
11.
      Stratigraphic horizon in
                                      upper horizon (footwall-side orebody)
          ultrabasic rocks:
      Amount of the orebody;
      Direction of the orebody;
                                      strike
                                                                dip *
                                      (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:
                                      assumed, strike N45°W dip *
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
                                                                  0.8
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  0.5
                                                                        m
                                      width
                                                                  0.2
                                                                        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:
19.
     Relation to the other trenches
          and galleries:
                                      TA-11,12,13,15,16
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-5
```

```
1.
        Number of trench:
                                         TA-15
   2.
        Project No.:
                                         78/26
   3.
        Area:
                                         Kopdag
   4.
        Map No. :
                                        Erzincan, i-44, a2, No.2
   5.
        Coordinates:
                                        24.40 N,
                                                           05.21 E
   6.
        Altitude:
                                        2,185 m
   7.
        Name of the mine:
                                        Pembe Gül (2,000) (northern chrome zone)
   8.
       Location and communication:
                                        Keşan Tepe, Cancıkkomu Aşkale, Erzurum,
                                        90 minutes from Siçankale Y., on foot and
   9.
       Type etc.:
                                        pit for exploration
  10.
       Host rock :
                                        serpentinite (powdery)
  11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                        upper horizon (footwall-side orebody)
       Amount of the orebody;
                                        1
       Direction of the orebody;
                                        strike
                                                          N 48°E dip 38°NW
                                        (Direction of the ore zone;
                                                                    N 20°E )
       Scale of the orebody observed;
                                        extension to strike-side
                                        extension to dip-side
                                                                          m
                                        width
                                                                    0.55 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, disseminated, powdery
           Ore minerals:
                                       chromite
           Grade of the ore;
                                       macroscopoc estimation, 40-45 % Cr2O3
                                       analytical value, 40.35% Cr2O3 from the out-
                                       crop, random sample
15.
      The largest scale of the
                                       extension to strike-side
                                                                    0.8
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    0.5
                                                                         m
                                       width
                                                                   0.6
                                                                         m
16.
      Volume of the trench estimated:
                                                                   1
                                                                         m^3
      The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                 < 1
                                                                         ton
18.
     Amount of stock of the ore:
19.
      Relation to the other trenches
          and galleries:
                                       TA-11,12,13,14,16
20.
     Laboratorical tests:
                                       chemical analysis of the ore (Acr-9)
21.
     Remarks .
                                      refer Plate 7-5
```

1. 2.	Number of trench: Project No.:	TA-16 (not surveyed in detail) 78/26
3. 4.	Area:	Kopdağ Erzincan, i-44, a2, No.2
5.	Map No.: Coordinates:	24.41 N, 05.22 E
6.	Altitude:	2,185 m
7.	Name of the mine :	Pembe Gül (2,000) (northern chrome zone)
8.	Location and communication:	
		Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 90 minute from Sıçankale Y., on foot and by car
9.	Type etc.:	pit for exploration, covered by soil com- pletely
10.	Host rock:	*
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 20°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
	Chang of the enchader.	width * m
	Shape of the orebody;	*
12.	Chromite banding around the	not observed
13.	orebody:	not observed
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 0.6 m
	orebody estimated:	extension to dip-side 0.4 m
		width 0.2 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 :	TA-11,12,13,14,15
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-5

```
1.
      Number of trench:
                                       TA-17
 2.
      Project No.:
                                       78/26
 3.
      Area:
                                       Kopdağ
 4.
      Map No.:
                                       Erzincan, i-44, a2, No.2
 5.
      Coordinates:
                                       25.84 N,
                                                          06.40 E
 6.
      Altitude:
                                       1,980 m
 7.
      Name of the mine:
                                       Civelek (2,000) (northern chrome zone)
 8.
      Location and communication:
                                       Yayladere, Sıçankale Y., Aşkale, Erzurum,
                                       40 minutes from Siçankale Y., on foot and
                                       by car
 9.
      Type etc.:
                                       trench for exploration
10.
     Host rock ;
                                       serpentinite (powdery)
      Orebody:
      Stratigraphic horizon in
                                       upper horizon (footwall-side orebody)
          ultrabasic rocks;
      Amount of the orebody:
      Direction of the orebody;
                                                      N 20° - 38° E dip 28° - 72° NW
                                       strike
                                       (Direction of the ore zone;
                                                                             )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                          m
                                       extension to dip-side
                                                                    0.5
                                                                          m
                                       width
                                                                     1.5
                                                                          m
      Shape of the orebody;
                                       lavered
12.
     Chromite banding around the
                                       not observed
          orebody:
13.
                                       strike N 82°E dip 72°N
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
                                       massive, disseminated, powdery
          Ore minerals;
                                       chromite
          Gangue minerals
                                       serpentine, stichtite
          Grade of the ore;
                                       macroscopic estimation, 30 - 35 % Cr<sub>2</sub>O<sub>3</sub>
15.
     The largest scale of the
                                       extension to strike-side
                                                                     6
                                                                          m
          orebody estimated:
                                       extension to dip-side
                                                                     0.5 \, \mathrm{m}
                                       width
                                                                     2
                                                                          m
16.
     Volume of the trench estimated:
                                                                    30
                                                                          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:
                                       very small
19.
     Relation to the other trenches
          and galleries:
                                       TB-23
20.
     Laboratorical tests:
                                       X-ray diffractive analysis (Acr-4)
21.
     Remarks:
                                       refer Plate 7-5
```

1. 2.	Number of trench:	TA-18
3.	Project No. : Area :	78/26
4.		Kopdaģ
5.	Map No.:	Erzincan, i-44, a2, No.2
	Coordinates:	26.25 N, 06.50 E
6.	Altitude:	1,980 m
7.	Name of the mine:	Civelek (2,000) (northern chrome zone)
8.	Location and communication:	Kırıcakdere, Sıçankale Y., Aşkale, Erzurum, 35 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploitation
10. 11.	Host rock : Orebody :	strongly serpentinized dunite
	Stratigraphic horizon in ultrabasic rocks;	
	Amount of the orebody;	upper horizon (hangingwall-side orebody)
	Direction of the orebody;	1 strike E dip 90°
	Direction of the orebody,	
	Scale of the orebody observed;	(Direction of the ore zone; N 65°E) extension to strike-side 3.5 m
	sould of the ofessely observed,	
		ما المالية الم
	Shape of the orebody;	lenticular
	, and the same of	tomiculat
12.	Chromite banding around the	
7.0	orebody:	not observed
13. 14.	Fault around the orebody:	not observed
1 4 •	Ore:	
	Type of the ore;	massive, brecciated, powdery
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 25 - 40 % Cr ₂ O ₃
		analytical value, 35.87 % Cr ₂ O ₃ from the
15.	The largest scale of the	outcrop, random sample
10.	orebody estimated:	extension to strike-side 15 m
	orenody estimated:	extension to dip-side 2.5 m
16.	Volume of the trench estimated:	width 2.5 m
17.	The largest amount of the ore	300 m ³
-11	estimated which is taken	
	from the trench:	015 ton
18.	Amount of stock of the ore:	315 ton
19.	Relation to the other trenches	30 ton (25 - 35 % Cr_2O_3 estimated)
	and galleries:	ΦD_1 9
20.	Laboratorical tests:	TB-1,2
21.	Remarks:	chemical analysis of the ore (Acr-3) refer Plate 7-5
		refer Plate 7-0

```
1.
       Number of trench:
                                         TA-19.
  2.
       Project No.:
                                         78/26
  3.
       Area:
                                         Kopdağ
  4.
       Map No. :
                                         Erzincan, i-44, a2, No.1
  5.
       Coordinates:
                                         21.60 N,
                                                            99.18 E
  6.
       Altitude :
                                         1.710 m
  7.
       Name of the mine:
                                         Hacıbektaşkomu (10,000)
  8.
       Location and communication:
                                        Kayınlıdere, Hacıbektaşkomu, Çayırlı,
                                        Erzincan, 20 minutes from Hacibektaskomu
                                         on foot and by jeep
  9.
       Type etc.:
                                        trench for exploitation
 10.
       Host rock :
                                        strongly serpentinized dunite and serpen-
                                        tinite (powdery)
 11.
      Orebody:
       Stratigraphic horizon in
           ultrabasic rocks;
                                        middle horizon
       Amount of the orebody;
      Direction of the orebody;
                                        strike
                                                     N 35° - 55° W dip 40° - 80° NE
                                        (Direction of the ore zone;
                                                                     N 30°W)
      Scale of the orebody observed;
                                        extension to strike-side
                                                                           \mathbf{m}
                                        extension to dip-side
                                                                     0.5
                                                                           m
                                        width
                                                                     0.15 m
      Shape of the orebody;
                                        lenticular, network
                                                                Orecody is disse-
                                        minated or spread into branches in the host rock
12.
      Chromite banding around the
           orebody:
                                        not observed
13.
      Fault around the orebody:
                                        strike N 15°W dip 70°E
14.
      Ore:
          Type of the ore;
                                        massive, disseminated, powdery
          Ore minerals;
                                        chromite (uvarovite)
                                        macroscopic estimation, 35 - 40 \% \operatorname{Cr}_2 \operatorname{O}_3
          Grade of the ore;
15.
      The largest scale of the
                                        extension to strike-side
                                                                      11
                                                                          m
          orebody estimated:
                                        extension to dip-side
                                                                       1.5 m
                                        width
                                                                       2
                                                                           m
16.
      Volume of the trench estimated:
                                                                      50
                                                                          m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                     115 ton
18.
      Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                       TA-20,21,22,23,24,25, TB-7
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-6
```

		T4.00
1.	Number of trench:	TA-20
2.	Project No.:	78/26
3.	Area:	Kopdağ
$^4 \cdot$	Map No.:	Erzincan, i-44, a2, No.1
5.	Coordinates:	21.61 N, 99.18 E
6.	Altitude:	1,705 m
7.	Name of the mine:	Hacıbektaşkomu (10,000)
8.	Location and communication:	Kayınlıdere, Hacıbektaşkomu, Çayırlı Erzincan, 20 minutes from Hacıbektaşkomu on foot and by jeep
9.	Type etc.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite and serpentinite (powdery)
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks ;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 20°W, N 30°E dip 85°E, 70°W (in turn (Direction of the ore zone; N 30°W)
	Scale of the orebody observed;	extension to strike-side 0.3 m
		extension to dip-side 0.3 m
		width 0.15 m
	Shape of the orebody;	lenticular, Orebody is disseminated or spread into branches in the hostrock
12.	Chromite banding around the	
	orebody:	not observed
13. 14.	Fault around the orebody: Ore:	strike N80°E, N30°-45°E dip 60°S,60°-90°NW (in turn)
	Type of the ore;	massive, disseminated, powdery
	Ore minerals ;	chromite
	Grade of the ore;	macroscopic estimation, 35 - 40 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 11 m
	orebody estimated:	extension to dip-side 1.5 m
		width 1.5 m
16.	Volume of the trench estimated:	$75 ext{m}^3$
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	85 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	
	and galleries:	TA-19,21,22,23,24,25, TB-7
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-6

```
Number of trench:
 1.
                                       TA-21
 2.
      Project No.:
                                       78/26
 3.
      Area:
                                       Kopdağ
      Map No.:
                                       Erzincan, i-44, a2, No.1
 5.
      Coordinates:
                                                          99.17 E
                                       21.67N,
 6.
      Altitude:
                                       1,708 m
 7.
      Name of the mine:
                                       Hacıbektaşkomu (10,000)
 8.
      Location and communication:
                                       Kayınlıdere, Hacıbektaşkomu, Çayırlı,
                                       Erzincan, 20 minutes from Hacıbektaşkomu
                                       on foot and by jeep
 9.
      Type etc.:
                                       trench for exploitation
10.
      Host rock :
                                       serpentinite (powdery)
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
                                                                   0.1
                                       extension to dip-side
                                                                    0.3 m
                                       width
                                                                    0.05 m
      Shape of the orebody;
                                       lenticular
12.
      Chromite banding around the
          orebody:
                                       strike N 30°W dip 50°E
13.
      Fault around the orebody:
                                       not observed
14.
      Ore:
          Type of the ore;
                                       massive, disseminated, powdery
          Ore minerals;
                                       chromite
          Grade of the ore;
                                       macroscopic estimation, 10 - 35 % Cr<sub>2</sub>O<sub>3</sub>
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:
                                                                   10
                                                                         m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   30
                                                                         ton
18.
     Amount of stock of the ore:
                                       1.5 ton (high-grade)
19.
     Relation to the other trenches
          and galleries:
                                       TA-19,20,22,23,24,25, TB-7
20.
     Laboratorical tests:
                                       polished section (Acr-25)
21.
     Remarks:
                                       refer Plate 7-6
```

```
1.
      Number of trench:
                                       TA-22
  2.
      Project No.:
                                       78/26
 3. Area:
                                       Kopdağ
                                       Erzincan, i-44, a2, No.1
      Map No.:
     Coordinates:
                                       21.68 N.
                                                          99.15 E
                                       1,708 m
 6.
     Altitude:
 7.
     Name of the mine:
                                       Hacıbektaşkomu (10,000)
      Location and communication:
                                       Kayınlıdere, Hacibektaşkomu, Çayırlı,
                                       Erzincan, 20 minutes from Hacıbektaşkomu
                                       on foot and by jeep
 9.
      Type etc.:
                                       trench for exploitation
10.
      Host rock:
                                       serpentinite (powdery)
11.
      Orebody:
      Stratigraphic horizon in
                                       middle horizon
          ultrabasic rocks :
                                       1 - 2
      Amount of the orebody;
                                                N 10°W, N 70°W dip 65°W, 65°N (in turn)
      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
                                                                   0.1
                                                                         m
      Shape of the orebody;
                                       lenticular
                                       Orebody becomes thin at the end.
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                       strike N 70°E dip 40°N
14.
      Ore:
          Type of the ore;
                                       massive, disseminated, powdery
          Ore minerals;
                                       chromite
          Grade of the ore;
                                       macroscopic estimation, 10 - 35 % Cr<sub>2</sub>O<sub>3</sub>
15.
      The largest scale of the
                                       extension to strike-side
                                                                      8
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                     3
                                                                         m
                                       width
                                                                     1.5 m
16.
      Volume of the trench estimated:
                                                                   140
                                                                         m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   125
                                                                         ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TA-19,20,21,23,24,25, TB-7
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

```
1.
       Number of trench:
                                        TA-23
   2.
       Project No.:
                                         78/26
   3.
       Area:
                                        Kopdag
   4.
       Map No.:
                                        Erzincan, i-44, a2, No.1
   5.
       Coordinates:
                                        21.63 N.
                                                           99.13 E
   6.
       Altitude:
                                        1,707 m
  7.
       Name of the mine:
                                        Hacıbektaşkomu (10,000)
  8.
       Location and communication:
                                        Kayınlıdere, Hacıbektaşkomu, Çayırlı,
                                        Erzincan, 20 minutes from Hacıbektaşkomu
                                        on foot and by jeep
  9.
       Type etc.:
                                        pit, for exploration
 10.
       Host rock :
                                        serpentinized dunite
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks :
                                        middle horizon
       Amount of the orebody;
       Direction of the orebody;
                                        strike
                                                           N 16°W dip 75°W
                                        (Direction of the ore zone; N 40°W)
      Scale of the orebody observed;
                                        extension to strike-side
                                                                          m
                                        extension to dip-side
                                                                    0.8
                                                                          m
                                        width
                                                                    0.15 m
      Shape of the orebody:
                                        layered
12.
      Chromite banding around the
           orebody:
                                        strike N 10°W dip 75°W
      Fault around the orebody:
13.
                                        strike N 80°E dip 60°S
14.
      Ore:
           Type of the ore;
                                       disseminated
           Ore minerals;
                                       chromite
          Grade of the ore:
                                       macroscopic estimation, 15 % Cr<sub>2</sub>O<sub>3</sub>
15.
      The largest scale of the
                                       extension to strike-side
                                                                     3.5 m
          orebody estimated:
                                       extension to dip-side
                                                                     1
                                                                          m
                                       width
                                                                     0.2 m
16.
      Volume of the trench estimated:
                                                                          m^3
                                                                    10
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                     2.5 ton
18.
      Amount of stock of the ore:
19.
      Relation to the other trenches
          and galleries:
                                       TA-19,20,21,22,24,25, TB-7
20.
      Laboratorical tests:
     Remarks:
21.
                                       refer Plate 7-6
```

```
Number of trench:
                                      TA-24 (not surveyed in detail)
 1.
                                      78/26
 2.
     Project No.:
                                      Kopdag
 3. Area:
 4.
     Map No.:
                                      Erzincan, i-44, a2, No.1
 5.
     Coordinates:
                                      21.63 N.
                                                        99.12 E
                                      1,706 m
 6.
     Altitude:
                                      Hacıbektaşkomu (10,000)
 7.
     Name of the mine:
                                      Kayınlıdere, Hacıbektaşkomu, Çayırlı,
 8.
     Location and communication:
                                      Erzincan, 20 minutes from Hacıbektaşkomu
                                      on foot and by jeep
                                      trench or pit for exploration, covered by
 9.
     Type etc.:
                                      soil completely
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 40°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
                                      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
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
16.
                                                                        m^3
     Volume of the trench estimated:
                                                                  5
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:
                                      TA-19,20,21,22,23,25,TB-7
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

```
1.
       Number of trench:
                                        TA-25
                                                (not surveyed in detail)
  2.
       Project No.:
                                        78/26
  3.
       Area:
                                        Kopdag
  4.
       Map No.:
                                        Erzincan, i-44, a2, No.1
  5.
       Coordinates:
                                        21.63 N.
                                                          99.16 E
  6.
       Altitude:
                                        1,745 m
  7.
       Name of the mine:
                                       Hacıbektaşkomu (10,000)
  8.
       Location and communication:
                                       Kayınlıdere, Hacıbektaşkomu, Çayırlı,
                                       Erzincan, 20 minutes from Hacıbektaşkomu
                                        on foot and by jeep
  9.
      Type etc.:
                                        trench or pit for exploration, covered by
                                       soil completely
 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:
                                       not observed
      Fault around the orebody:
13.
                                       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
                                                                        m
16.
     Volume of the trench estimated:
                                                                 < 1
                                                                        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:
                                      TA-19,20,21,22,23,24,TB-7
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

```
1.
      Number of trench:
                                       TA-26
                                       78/26
 2.
      Project No.:
                                       Kopdag
 3.
     Area:
 4.
      Map No.:
                                      Erzincan, i-44, a2, No.1
 5.
     Coordinates:
                                       21.54 N.
                                                         99.48 E
 6. Altitude:
                                      1,750 m
 7.
     Name of the mine:
                                      Hacıbektaşkomu (10,000)
 8.
     Location and communication:
                                      Hacıbektaşkomu, Çayırlı Erzincan, 15 minutes
                                       from Hacıbektaşkomu on foot
 9.
      Type etc.:
                                      pit for exploration
10.
     Host rock :
                                      serpentinized harzburgite
11.
     Orebody:
     Stratigraphic horizon in
                                      middle horizon
          ultrabasic rocks;
     Amount of the orebody;
     Direction of the orebody;
                                                         N 40°E dip 55°NW
                                      strike
                                      (Direction of the ore zone :
                                                                  N 55°W )
     Scale of the orebody observed;
                                      extension to strike-side
                                                                        \mathbf{m}
                                       extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
                                      layered
12.
     Chromite banding around the
                                      strike N 40°E dip 55°NW
          orebody:
                                      not observed
13.
     Fault around the orebody:
14.
     Ore:
                                      disseminated
          Type of the ore;
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation, very low-grade
                                      Very small amount of chromite banded or
                                      disseminated.
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:
                                                                < 1
                                                                        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:
                                      TA-27, 28, TB-6
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TA-27 78/26 Kopdağ Erzincan, i-44, a2, No.1 21.54 N, 99.49 E 1,745 m Hacıbektaşkomu (10,000) Hacıbektaşkomu, Çayırlı, Erzincan, 15 minutes from Hacıbektaşkomu on foot
9.	Type etc.:	trench for exploration, covered by soil in part (3 trenches are defined)
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks;	serpentinized harzburgite middle horizon
	Amount of the orebody;	*
	Direction of the orebody;	strike N 85°W dip 60°N (Direction of the ore zone; N 55°W)
	Scale of the orebody observed;	extension to strike-side * m extension to dip-side * m width 0.45 m
	Shape of the orebody;	layered
12.	Chromite banding around the orebody:	strike N 85°W dip 60°N
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore; Ore minerals; Gangue minerals;	disseminated, banded chromite serpentine
15.	Grade of the ore; The largest scale of the orebody estimated:	macroscopic estimation, very low-grade extension to strike-side * m extension to dip-side * m width * m
16.	Volume of the trench estimated:	< 1 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	
20.	and galleries : Laboratorical tests :	TA-26,28, TB-6
21.	Remarks:	refer Plate 7-6
· · — •		

1. 2. 3. 4. 5. 6.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine:	TA-28 78/26 Kopdağ Erzincan, i-44, a2, No.1 21.52 N, 99.50 E 1,770 m Hacıbektaşkomu (10,000)	
8.	Location and communication:	Hacıbektaşkomu, Çayırlı, E 20 minutes from Hacıbektaşko	
9.	Type etc.:	trench for exploration	
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody;	middle horizon 1 2 strike N40°E, 75°E dip 70	°NW, 40°N (in turn)
	Scale of the orebody observed;	(Direction of the ore zone; extension to strike-side extension to dip-side	
	Shape of the orebody;	lenticular	
12.	Chromite banding around the orebody:	not observed	
13. 14.	Fault around the orebody: Ore:	not observed	
	Type of the ore; Ore minerals;	disseminated chromite (uvarovite)	,
	Grade of the ore;	macroscopic estimation,	very low-grade
15.	The largest scale of the orebody estimated:	extension to strike-side extension to dip-side width	4 m 1.2 m 0.6 m
16.	Volume of the trench estimated:	17 20022	6 m ³
17.	The largest amount of the ore estimated which is taken from the trench:		
18.	Amount of stock of the ore:	-	10 ton
19.	Relation to the other trenches		
	and galleries:	TA-26, 27, TB-6	
20. 21.	Laboratorical tests : Remarks :	refer Plate 7-6	

1.	Number of trench:	TA-29
2.	Project No.:	78/26
3.	Area:	Kopdağ
4,	Map No.:	Erzincan, i-44, a2, No.4
5.	Coordinates:	19.22 N, 00.13 E
6.	Altitude:	1,590 m
7.	Name of the mine:	Mağaradere (25,000) (southern chrome zone)
8.	Location and communication:	Kemsakal Sr., Karaali komu, Çayırlı, Erzincan, 30 minutes from Erbaş station on foot and by jeep
9.	Type etc.:	trench for exploration
10. 11.	Host rock: Orebody:	silicified, lateritized dunite
	Stratigraphic horizon in ultrabasic rocks;	middle horizon
	Amount of the orebody; Direction of the orebody;	
	Direction of the orebody;	strike N 80°E dip 60°N
	Scale of the orebody observed;	(Direction of the ore zone; N 75°E) extension to strike-side 5.5 m extension to dip-side 0.5 m
	Shape of the orebody;	width 0.3 m layered .
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)
	Gangue minerals;	serpentine, silica mineral
	Grade of the ore;	macroscopic estimation, 30 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 7 m
	orebody estimated:	extension to dip-side 0.5 m
10	Traleura - of the tour 1 the 1	width 0.5 m
16.	Volume of the trench estimated:	$4 mdots m^3$
17.	The largest amount of the ore estimated which is taken from the trench:	6 ton
18.	Amount of stock of the ore:	1.5 ton (more than 45% Cr ₂ O ₃ estimated)
19.	Relation to the other trenches and galleries:	
20.	Laboratorical tests:	TA-30,31,32,32A,32B
21.	Remarks:	refer Plate 7-7
		TOTAL TIME I I

1.	Number of trench:	TA-30
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.4
5.	Coordinates:	19.21 N, 00.10 E
6.	Altitude:	1,587 m
7.	Name of the mine:	Mağaradere (25,000) (southern chrome zone)
8.	Location and communication:	Kemsakal Sr., Karaalikomu, Çayırlı, Erzincan, 30 minutes from Erbaş station on foot and by jeep
9.	Type etc.:	trench for exploration
10. 11.	Host rock:	silicified, lateritized dunite
TT.	Orebody: Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 65°E dip 75°N
	Scale of the orebody observed;	(Direction of the ore zone; N 75°E) extension to strike-side * m
	beare of the orebody observed,	extension to dip-side 0.5 m
		width 0.15 m
	Shape of the orebody;	layered
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	disseminated
	Ore minerals;	chromite
	Gangue minerals;	serpentine, silica mineral
	Grade of the ore;	macroscopic estimation, 30 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 5 m
	orebody estimated:	extension to dip-side 0.5 m
	•	width 0.2 m
16.	Volume of the trench estimated:	2 $^{\mathrm{m}^{3}}$
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	ml oo or oo oo oo
0.0	and galleries:	TA-29,31,32,32A,32B
20.	Laboratorical tests:	- market market market
21.	Remarks:	refer Plate 7-7

```
1.
      Number of trench:
                                        TA-31
  2.
      Project No.:
                                        78/26
  3.
      Area:
                                        Kopdag
 4.
      Map No.:
                                        Erzincan, i-44, a2, No.4
  5.
      Coordinates:
                                        19.19 N,
                                                           00.14 E
 6.
      Altitude:
                                        1,570 m
      Name of the mine:
 7.
                                        Magaradere (25,000) (southern chrome zone)
      Location and communication:
 8.
                                        Kemsakal Sr., Karaali komu, Cayırlı,
                                        Erzincan, 30 minutes from Erbaş station
                                        on foot and by jeep
 9.
      Type etc.:
                                        trench for exploration
10.
      Host rock :
                                        silicified, lateritized dunite
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
                                                                           m
                                        width
                                                                           m
      Shape of the orebody;
                                        The orebody is included as gravels
                                        (5-20 cm subround size) in talus deposit
12.
      Chromite banding around the
          orebody:
                                        not observed
13.
      Fault around the orebody:
                                        not observed
14.
     Ore:
                                        massive, disseminated
          Type of the ore;
          Ore minerals;
                                        chromite (uvarovite)
          Grade of the ore;
                                        macroscopic estimation, > 40 % Cr<sub>2</sub>O<sub>3</sub>
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
          estimáted which is taken
          from the trench:
18.
     Amount of stock of the ore:
                                                  40 % Cr<sub>2</sub>O<sub>3</sub> estimated)
                                       0.3 ton (
19.
     Relation to the other trenches
          and galleries:
                                       TA-29,30,32,32A,32B
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-7
```

1.	Number of trench:	TA-32
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.4
5.	Coordinates:	19.31 N, 00.52 E
6.	Altitude:	1,555 m
7.		Magaradere (25,000) (southern chrome zone)
8.		Kemsakal Sr., Karaali komu, Çayırlı,
		Erzincan, 30 minutes from Erbaş station
	m	on foot and by jeep
9.	Type etc.:	pit for exploration
10.	Host rock:	serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks ;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 80°W dip 85°S
		(Direction of the ore zone; N 75°E)
	Scale of the orebody observed;	extension to strike-side 2 m
		extension to dip-side 1.5 m
		width 0.45 m
	Shape of the orebody;	lenticular, network
	- • •	
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	strike N 60°E, N 25°E dip 15°N,75°W (in turn)
14.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals;	chromite (uvarovite)
	,	(,
	Grade of the ore;	macroscopic estimation, 15 - 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 11.5 m
	orebody estimated:	extension to dip-side 4 m
		width 1.2 m
16.	Volume of the trench estimated:	220 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	200 ton
18.	Amount of stock of the ore:	20 ton (30 % Cr ₂ O ₃ estimated)
19.	Relation to the other trenches	Lo ton (ov // 012/03 optimatou)
TO.	and galleries:	TA-29,30,31,32A,32B
20.	Laboratorical tests :	
21.	Remarks:	- mofor Diato 7 7
7.1.	remarks :	refer Plate 7-7

```
1.
      Number of trench:
                                      TA-32A
 2.
      Project No.:
                                      78/26
 3.
                                      Kopdağ
     Area:
 4.
     Map No.:
                                      Erzincan, i-44, a2, No.4
 5.
     Coordinates:
                                      19.32 N.
                                                        00.54 E
 6.
     Altitude:
                                      1,550 m
 7.
    Name of the mine:
                                      Magaradere (25,000) (southern chrome zone)
 8.
     Location and communication:
                                      Kemsakal Sr., Karaali komu, Çayırlı,
                                      Erzincan, 30 minutes from Erbaş station
                                      on foot and by jeep
 9.
      Type etc.:
                                      trench for exploration
10.
     Host rock:
                                      serpentinite (powdery)
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 75°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;
                                      disseminated
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation,
15.
     The largest scale of the
                                      extension to strike-side
                                                                  5.5
                                                                        m
          orebody estimated:
                                                                  0.5
                                      extension to dip-side
                                                                       m
                                                                  0.4
                                      width
                                                                        m
16.
     Volume of the trench estimated:
                                                                  3
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                  4
                                                                       ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TA-29,30,31,32,32B
20.
     Laboratorical tests:
21.
                                      refer Plate 7-7
     Remarks:
```

1.	Number of trench:	TA-32B (not surveyed in detail)
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.4
5.	Coordinates:	19.28 N, 00.48 E
6.	Altitude:	1,552 m
7.	Name of the mine:	Magaradere (25,000) (southern chrome zone)
8.	Location and communication:	Kemsakal Sr., Karaali komu Çayırlı, Erzincan, 30 minutes from Erbaş station
		on foot and by jeep
9.	Type etc.:	trench for exploration
10.	Host rock:	silicified, serpentinized dunite
11.	0 -	
	Stratigraphic horizon in	middle horizon
	ultrabasic rocks;	1
	Amount of the orebody;	-
	Direction of the orebody;	strike N 70°W dip 63°N
	and the testing to	(Direction of the ore zone; N 75°E)
	Scale of the orebody observed;	extension to strike-side 4 m
		extension to dip-side * m
	Classes of the season does	width 0.1 m
	Shape of the orebody;	layered
12.	Chromite banding around the	
14.	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	100 00301704
14.	Type of the ore;	disseminated
	Ore minerals ;	chromite
	Ore minerals,	Chromite
	Grade of the ore;	macroscopic estimation, $< 20\% \text{ Cr}_2\text{O}_3$
15.	The largest scale of the	extension to strike-side 4 m
	orebody estimated :	extension to dip-side 0.6 m
		width 0.2 m
16.	Volume of the trench estimated:	2 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	
Τυ,	and galleries:	TA-29,30,31,32,32A
20.	Laboratorical tests :	LU-UU 900 90 L 90 U 90 U U
21.	Remarks:	no sketch map.
41.	Remarks:	no sketch map.

_		- 4.00
1.	Number of trench:	TA-33
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, a2, No.4
5.	Coordinates:	16.49 N, 00.92 E
6.	Altitude:	1,650 m
7.	Name of the mine:	Karhanekomu (25,000) (southern chrome zone)
8.	Location and communication:	Killikdere, Karhanekomu Tercan, Erzurum 20 minutes from Karhanekomu on foot and by jeep
9.	Type etc.:	trench for exploration
10.	Host rock:	strongly serpentinized harzburgite and serpentinite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	lower part of the middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 30°E dip 30°W*
		(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side · * m
		extension to dip-side 0.5 m
		width $0.3 - 0.75$ m
	Shape of the orebody;	lenticular. Orebody becomes thin or spreads into branches in the host rock at the end.
12.	Chromite banding around the	
	orebody:	not observed
13.	Fault around the orebody:	assumed, strike N 60°W dip 20°N
14.	Ore:	
	Type of the ore;	massive, disseminated, powdery
	Ore minerals ;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, 25 - 40 Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 14 m
101	orebody estimated:	extension to dip-side 6 m
		width 1 m
16.	Volume of the trench estimated:	180 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:	3 ton ($> 40\%$ Cr ₂ O ₃ estimated)
19.	Relation to the other trenches	- ,
	and galleries:	_
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-7

1.	Number of trench:	TA-34
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	21.63 N, 05.36 E
6.	Altitude:	1,690 m
7.	Name of the mine:	Cancikkomu (10,000) (southern chrome zone)
8.	Location and communication:	Taşocağı Tepe, Cancıkkomu, Aşkale Erzurum, 45 minutes from Sıçankale Y., by jeep
9.	Type etc.:	trench for exploitation
10.	Host rock:	latertic serpentinite from harzburgite
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°W)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
	Shape of the orebody;	width * m lenticular, network. Orebody coexist with carbonate rock (dolomite). Lenticular carbonate
12.	Chromite banding around the	body is much found.
	orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals ;	chromite (uvarovite)
	Gangue minerals;	serpentine, magnetite, dolomite (abundant)
	Grade of the ore;	macroscopic estimation, 20 - 40 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 10 m
	orebody estimated:	extension to dip-side 3 m
		width 1 m
16.	Volume of the trench estimated:	$85 ext{ m}^3$
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	100 ton
18.	Amount of stock of the ore:	20 ton ($> 40 \% \text{ Cr}_2\text{O}_3$)
19.	Relation to the other trenches	
	and galleries:	TA-35, TB-11
20.	Laboratorical tests:	thin section (A-49) polished section (Acr-51) X-ray diffractive analysis (A-49)
21.	Remarks:	refer Plate 7-6
		

1. 2.	Number of trench: Project No.:	TA-35 78/26		
3.	Area:	Kopdag		
4.	Map No. :	Erzincan, i-44, a2, No.2		
5.	Coordinates:			
		· · · · · · · · · · · · · · · · · · ·		
	Altitude:	1,675 m	1	
	Name of the mine:	Cancıkkomu (10,000) (souther	n enre	ome zone)
8.	Location and communication:	Taşocaği Tepe, Cancıkkomu, Erzurum, 45 minutes from Si by jeep		
9.	Type etc.:	trench for exploration		
10. 11.	Host rock: Orebody:	lateritic serpentinite from ha	rzburg	gite
	Stratigraphic horizon in			
	ultrabasic rocks ;	middle horizon		
	Amount of the orebody;	1 *		
	Direction of the orebody;	strike * di	p *	
	,		N 25°	w)
	Scale of the orebody observed;	extension to strike-side	0.2 0.15	m
	Shape of the orebody;	width network. Chromite is found rock (dolomite). Lenticular much found.	0.1 in carl	m bonate
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		
	Gangue minerals ;	serpentine, magnetite, dolor	rite (al	bundant)
	Grade of the ore;	macroscopic estimation, 20	-	-
	draw or the ere ,	madiosopio ostimuston, =-	,	0 0-2-3
15.	The largest scale of the	extension to strike-side	2	m
	orebody estimated:	extension to dip-side	0.6	m
	orobody obtilitation.	width	0.3	m
16.	Volume of the trench estimated:	MICH	1	m^3
17.	The largest amount of the ore		~	m
T.1.	estimated which is taken			
	from the trench:		1	ton
10	Amount of stock of the ore:	_	T	ton
18.		_		
19.	Relation to the other trenches	ma 94 mp 11		
	and galleries:	TA-34, TB-11		
20.	Laboratorical tests:	thin section (A-48)		
21.	Remarks:	refer Plate 7-6		

1.	Number of trench:	TA-36
2.	Project No. :	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.3
5.	Coordinates:	18.72 N, 03.31 E
6.	Altitude:	1,685 m
7.	Name of the mine:	Güney Erbaş (25,000) (southern chrome zone)
8.	Location and communication:	Yayla Br., Erbaş istasyon, Tercan,
		Erzincan, 20 minutes from Erbaş station
		on foot across Karasu
9.	Type etc.:	trench for exploration covered by soil mostly
		-
10.	Host rock:	serpentinized dunite and serpentinite (powdery)
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks ;	middle horizon
	Amount of the orebody;	*
	Direction of the orebody;	strike N 75° W * 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;	*
12.	Chromite banding around the	
	orebody:	strike N75°W dip 42°N
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals;	chromite (uvarovite)
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the	extension to strike-side 7 m
	orebody estimated:	extension to dip-side 3 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:	70 ton
18.	Amount of stock of the ore:	30 ton (high-grade ore taken from
		trenches TA-36 \sim 41, 40 - 45% Cr ₂ O ₃)
19.	Relation to the other trenches	
	and galleries:	TA-37,38,39,40,41,TB-12
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-6

```
1.
      Number of trench:
                                       TA-37 (not surveyed in detail)
      Project No.:
  2.
                                       78/26
  3.
      Area:
                                       Kopdag
  4.
      Map No.:
                                       Erzincan, i-44, a2, No.3
  5.
      Coordinates:
                                       18.71 N.
                                                         03.32 E
  6.
      Altitude:
                                       1,685 m
  7.
      Name of the mine:
                                       Güney Erbaş (25,000) (southern chrome zone)
  8.
      Location and communication:
                                       Yayla Br., Erbaş istasyon, Tercan,
                                       Erzincan, 20 minutes from Erbaş station
                                       on foot across Karasu
 9.
      Type etc.:
                                       pit for exploration, covered by soil com-
                                      pletely
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 60°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
     Fault around the orebody:
13.
                                      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
                                                                  1.6
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  0.3
                                                                        m
                                      width
                                                                  1
                                                                        m
16.
     Volume of the trench estimated:
                                                                        m^3
                                                                  1
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:
                                      TA-36,38,39,40,41, TB-12
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

```
Number of trench:
  1.
                                       TA-38 (not surveyed in detail)
  2.
      Project No.:
                                       78/26
  3.
      Area:
                                       Kopdağ
  4.
                                       Erzincan, i-44, a2, No.3
      Map No.:
  5.
      Coordinates:
                                       18.71 N.
                                                         03.33 E
  6.
      Altitude:
                                       1,685 m
  7.
      Name of the mine:
                                       Güney Erbaş (25,000) (southern chrome zone)
 8.
      Location and communication:
                                       Yayla Br., Erbaş istasyon, Tercan,
                                       Erzincan, 20 minutes from Erbaş station
                                       on foot across Karasu
 9.
      Type etc.:
                                       pit for exploration, covered by soil com-
                                       pletely
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 65°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:
          Grade of the ore:
                                       macroscopic estimation, *
15.
      The largest scale of the
                                       extension to strike-side
                                                                    4
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                    0.8 m
                                       width
                                                                    1
                                                                         m
16.
      Volume of the trench estimated:
                                                                    7
                                                                         m^3
17.
      The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                         ton
                                                                   10
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                      TA-36,37,39,40,41,TB-12
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

```
1.
      Number of trench:
                                       TA-39
                                               (not surveyed in detail)
      Project No.:
 ^2
                                       78/26
 3.
     Area:
                                       Kopdağ
 4.
                                      Erzincan, i-44, a2, No.3
      Map No.:
 5.
      Coordinates:
                                       18.71 N.
                                                         03.34 E
 6.
     Altitude:
                                       1,685 m
 7.
     Name of the mine:
                                       Güney Erbaş (25,000) (southern chrome zone)
 8.
      Location and communication:
                                       Yayla Br., Erbaş istasyon, Tercan,
                                       Erzincan, 20 minutes from Erbas station
                                       on foot across Karasu
 9.
      Type etc.:
                                      pit for exploration, covered by soil com-
                                      pletely
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;
                                                                   N 60°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
         Ore minerals;
                                      chromite (uvarovite)
          Grade of the ore;
                                      macroscopic estimation, *
15.
     The largest scale of the
                                      extension to strike-side
                                                                   1
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                   0.3
                                                                         m
                                      width
                                                                   0.3
                                                                         m
16.
     Volume of the trench estimated:
                                                                         m^3
                                                                    1
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
                                                                   1
                                                                         ton
18.
     Amount of stock of the ore:
                                           0.1 ton (45\% \text{ Cr}_2\text{O}_3)
19.
     Relation to the other trenches
         and galleries:
                                      TA-36,37,38,40,41,TB-12
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

```
TA-40 (not surveyed in detail)
     Number of trench:
 1.
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
 4.
                                      Erzincan, i-44, a2, No.3
     Map No.:
 5.
     Coordinates:
                                      18.71 N,
                                                         03.35 E
 6.
     Altitude:
                                      1.685 m
 7.
     Name of the mine:
                                      Güney Erbaş (25,000) (souther chrome zone)
 8.
     Location and communication:
                                      Yayla Br., Erbaş istasyon, Tercan,
                                      Erzincan, 20 minutes from Erbaş station
                                      on foot across Karasu
                                      pit for exploration, covered by soil com-
 9.
     Type etc.:
                                      pletely
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 60°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
                                      not observed
13.
     Fault around the orebody:
14.
     Ore:
         Type of the ore;
         Ore minerals:
                                      macroscopic estimation, *
         Grade of the ore;
                                                                   2
15.
     The largest scale of the
                                      extension to strike-side
                                                                         m
                                                                   0.3
         orebody estimated:
                                      extension to dip-side
                                                                         m
                                                                   0.8
                                      width
                                                                         m
                                                                   1
                                                                         m^3
16.
     Volume of the trench estimated:
     The largest amount of the ore
17.
         estimated which is taken
                                                                   1
         from the trench:
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TA-36,37,38,39,41,TB-12
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-6
```

1. 2.	Number of trench:	TA-41 (not surveyed in detail)	
	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzincan, i-44, a2, No.3	
5.	Coordinates:	18.71 N, 03.37 E	
6.	Altitude:	1,681 m·	
7.	Name of the mine:	Güney Erbaş (25,000) (southern chrome zone)
8.	Location and communication:	Yayla Br., Erbaş istasyon, Tercan, Erzincan, 20 minutes from Erbaş station on foot across Karasu	
9.	Type etc.:	trench for exploration, covered by soil mostly	
10.	Host rock:	serpentinized dunite	
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 60°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:	strike N 10°W dip 40°W	
14.	Ore:	1, 20), sup 10 ()	
	Type of the ore ;	*	
	Ore minerals :	*	
	,	·	
	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 m	
	,	width 1 m	
16.	Volume of the trench estimated:	10 m ³	
17.	The largest amount of the ore	20 111	
	estimated which is taken		
	from the trench:	80 ton	
18.	Amount of stock of the ore:	80 ton	
19.	Relation to the other trenches	-	
TO.		m/ 00 07 00 00 40 mm 10	
90	and galleries:	TA-36,37,38,39,40,TB-12	
20.	Laboratorical tests:	- Distance Co	
21.	Remarks:	refer Plate 7-6	

1.	Number of trench:	TA-42 ,
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Tortum, 'H-45, d4, No.4
5.	Coordinates:	32.90 N, 31.91 E
6.	Altitude:	2,445 m
	Name of the mine:	Orta Tepe (25,000) (east Kop chrome zone)
8.	Location and communication:	• • • • • • • • • • • • • • • • • • • •
•	Doddion and Communication .	Orta Tepe, Dencik Aşkale Erzurum, 35 minutes from Pırnakapan by car
9.	Type etc.:	pit for exploration
10.	Host rock:	serpentinized dunite
11.	Orebody:	Dar bonner a adres
	Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	·	
	Amount of the orebody;	strike N 62° E dip 66° N*
	Direction of the orebody;	•
	G-1 :641 1 1 1 1	(Direction of the ore zone; N 32°E)
	Scale of the orebody observed;	extension to strike-side 3.5 m
		extension to dip-side 0.5 m
		width 0.2 m
	Shape of the orebody;	layered
12.	Chromite banding around the	
	orebody:	strike N 62°E dip 66°N
13.	Fault around the orebody:	not observed
14.	Ore:	
T.Z.4	Type of the ore;	disseminated, banded, nodule
	Ore minerals ;	chromite
	Ore nimerals;	chromite
	Grade of the ore;	macroscopic estimation, 15 - 25 $\%$ $\mathrm{Cr_2O_3}$
15.	The largest scale of the	extension to strike-side 5.5 m
	orebody estimated :	extension to dip-side 1.3 m
	•	width 0.8 m
16.	Volume of the trench estimated:	14 m ³
17.	The largest amount of the ore	1. •••
- · ·	estimated which is taken	
	from the trench:	20 ton
18.	Amount of stock of the ore:	
19.		30 ton $(20 - 30\% \text{ Cr}_2\text{O}_3)$, taken from trenches
T9.	Relation to the other trenches	TA42-46)
0.0	and galleries:	TA-43,44,45,46
20.	Laboratorical tests:	thin section (Acr-79) polished section
		(Acr-80)
21.	Remarks:	refer Plate 7-7

1. 2. 3. 4. 5. 6. 7.	Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	7A-43 78/26 Kopdağ Tortum, H-45, d4, No.4 32.89 N, 31.90 E 2,444 m Orta Tepe (25,000) (east Kop chrome zone) Orta Tepe, Dencik Aşkale Erzurum, 35 minutes from Pırnakapan by car
9.	Type etc.:	pit for exploration
10. 11.	Host rock : Orebody : Stratigraphic horizon in	serpentinized dunite
	ultrabasic rocks; Amount of the orebody;	middle horizon
	Direction of the orebody;	strike N 72°E*dip 18°N* (Direction of the ore zone; N 32°E)
	Scale of the orebody observed;	extension to strike-side 1.5 m extension to dip-side 0.4 m width 0.3 m
	Shape of the orebody;	layered
12.	Chromite banding around the orebody:	strike N 72°E dip 18°N
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore; Ore minerals;	disseminated, banded chromite
	Grade of the ore;	macroscopic estimation, 15 - 25 $\%$ Cr_2O_3
15.	The largest scale of the orebody estimated:	extension to strike-side 8 m extension to dip-side 0.5 m width 0.5 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	4 m3
18.	from the trench: Amount of stock of the ore:	7 ton
19.	Relation to the other trenches and galleries:	TA-42,44,45,46
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-7

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TA-44 (not surveyed in detail) 78/26 Kopdağ Tortum, H-45, d4, No.4 32.88 N, 31.90 E 2,444 m Orta Tepe (25,000) (east Kop chrome zone) Orta Tepe, Dencik Aşkale, Erzurum, 35 minutes from Pırnakapan by car
9.	Type etc.:	pit for exploration, covered by soil completely
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	middle horizon * strike * dip * (Direction of the ore zone; N 32°E) 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 0.4 m extension to dip-side 0.2 m width 0.2 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	<1 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	<pre>TA-42,43,45,46</pre>
20. 21.	Laboratorical tests: Remarks:	- refer Plate 7-7

1. 2.	Number of trench: Project No.:	TA-45 (not surveyed in detail) 78/26
3.	Area:	Kopdag
4.	Map No.:	Tortum, H-45, d4, No.4
5.	Coordinates:	32.88 N, 31.90 E
6.	Altitude:	2,443 m
7.		Orta Tepe (25,000) (east Kop chrome zone)
8.		- , , , , , , , , , , , , , , , , , , ,
٥.	Location and Communication .	Orta Tepe, Dencik Aşkale, Erzurum, 35 minutes from Pırnakapan by car
9.	Type etc.:	pit for exploration, covered by soil completely
10.	Host rock:	
11.	Orebody:	
	Stratigraphic horizon in ultrabasic rocks;	middle horizon
	Amount of the orebody;	*
	Direction of the orebody;	strike din
	incorporation of the oresony,	· · · · · · · · · · · · · · · · · · ·
	Scale of the orebody observed;	
	beate of the ofestaly observed,	
		4 718
	Shape of the orebody;	• · · · ·
	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 0.7 m
	orebody estimated :	extension to dip-side 0.2 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:	-
19.	Relation to the other trenches	_
TO.	and galleries:	TIA 40 49 44 40
90	_	TA-42,43,44,46
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-7

1.	Number of trench:	TA-46	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Tortum, H-45, d4, No.4	
5.	Coordinates:	32.87 N, 31.89 E	
6.	Altitude:	2,443 m	
7.		Orta Tepe (25,000) (east Kop c	hrome zone)
8.	Location and communication:	Orta Tepe, Dencik Aşkale, Er 35 minutes from Pırnakapan by	
9.	Type etc.:	trench for exploration	
10. 11.	Host rock : Orebody :	serpentinized dunite	
	Stratigraphic horizon in ultrabasic rocks;	middle horizon	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 30°W dip	
	Scale of the orebody observed;	extension to dip-side 0	m .2 m
	Shape of the orebody;	width 0 lenticular. Massive, lenticular sharp fault contact to the host:	-
12.	Chromite banding around the orebody:	not observed	
13.	Fault around the orebody:	along the hangingwall of the ore	ebodv.
14.	Ore:		
	Type of the ore ;	massive, disseminated	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, 10 -	$35\%\mathrm{Cr}_2\mathrm{O}_3$
15.	The largest scale of the	extension to strike-side 7	.5 m
	orebody estimated:	extension to dip-side 0	.5 m
		width 0	•4 m
16.	Volume of the trench estimated:	5	\mathbf{m}^3
17.	The largest amount of the ore estimated which is taken	_	
10	from the trench:	5	ton
18.	Amount of stock of the ore:	-	
19.	Relation to the other trenches and galleries:	TA-42,43,44,45	
20.	Laboratorical tests:	IN-44,40,41,40	
21.	Remarks:	refer Plate 7-7	
~	TOMETING .	reier Place 1-1	

```
1.
      Number of trench:
                                        TA-47
  2. Project No.:
                                        78/26
  3. Area:
                                        Kopdağ
  4. Map No.:
                                        Erzurum, i-45, al, No.1
  5. Coordinates:
                                        27.88 N,
                                                          33.50 E
  6.
      Altitude:
                                        1,840 m
  7.
      Name of the mine:
                                        Pırnakapan (25,000) (east Kop chrome zone)
       Location and communication:
  8.
                                        Kurudere, Pırnakapan, Aşkale, Erzurum,
                                        20 minutes from Pırnakapan on foot and by
  9.
       Type etc.:
                                        trench for exploration, covered by soil mostly
 10.
      Host rock:
                                        serpentinized dunite
 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 70°W)
      Scale of the orebody observed;
                                       extension to strike-side
                                                                          m
                                       extension to dip-side
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
                                       lenticular, layered,
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                       strike N 80°E dip 70°N
14.
          Type of the ore;
                                       disseminated
          Ore minerals:
                                       chromite
          Gangue minerals;
                                       serpentine, magnesite, magnetite, olivine
          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:
                                                                   12
                                                                         m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                        ton
18.
     Amount of stock of the ore:
                                      3 ton (40 % \mathrm{Cr}_2\mathrm{O}_3, taken from trenches TA-47,48,49)
19.
     Relation to the other trenches
          and galleries:
                                      TA-48,49,50,50(A),50(B)
20.
     Laboratorical tests:
                                      thin section (Acr-85)
21.
     Remarks:
                                      refer Plate 7-8
```

```
TA-48
     Number of trench:
 1.
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
                                      Erzurum, i-45, a1, No.1
 4.
     Map No.:
                                      27.86 N,
                                                        33.54 E
 5.
     Coordinates:
 6.
     Altitude:
                                      1,845 m
                                      Pırnakapan (25,000) (east Kop chrome zone)
     Name of the mine:
 7.
 8.
     Location and communication:
                                      Kurudere, Pırnakapan, Aşkale, Erzurum,
                                      20 minutes from Pırnakapan on foot and by
                                      car
 9.
                                      trench for exploitation
     Type etc.:
                                      serpentinized dunite
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                      middle horizon
          ultrabasic rocks;
                                      1 *
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                      (Direction of the ore zone;
                                                                  N 70°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
                                      not observed
          orebody:
                                      assumed, strike N dip *
13.
      Fault around the orebody:
14.
     Ore:
                                      disseminated
          Type of the ore;
                                      chromite
          Ore minerals;
          Grade of the ore;
                                      macroscopic estimation, *
15.
     The largest scale of the
                                      extension to strike-side
                                                                    17
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                     4
                                                                        m
                                      width
                                                                    1
                                                                        m
                                                                        m^3
     Volume of the trench estimated:
16.
                                                                   240
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   240
                                                                        ton
18.
     Amount of stock of the ore:
     Relation to the other trenches
19.
          and galleries:
                                      TA-47,49,50,50(A),50(B)
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

```
Number of trench:
   1.
                                         TA-49
        Project No.:
   2.
                                         78/26
   3.
       Area:
                                         Kopdağ
        Map No.:
   4.
                                         Erzurum, i-45, a1, No.1
   5.
        Coordinates:
                                         27.83 N,
                                                           33.60 E
   6.
       Altitude:
                                         1,857 m
   7.
       Name of the mine:
                                         Pirnakapan (25,000) (east Kop chrome zone)
       Location and communication:
   8.
                                         Kurudere, Pırnakapan, Aşkale, Erzurum,
                                         20 minutes from Pırnakapan on foot and by
                                         car
  9.
       Type etc.:
                                         trench, gallery (open) for exploitation
 10.
       Host rock:
                                         serpentinized 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 70°W )
      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:
                                        not observed
13.
      Fault around the orebody:
                                        strike N 45°E dip 76°NW
14.
      Ore:
           Type of the ore;
                                        disseminated
          Ore minerals;
                                        chromite
          Grade of the ore;
                                        macroscopic estimation, *
15.
      The largest scale of the
                                       extension to strike-side
                                                                     30 m
          orebody estimated:
                                       extension to dip-side
                                                                      3.5\,\mathrm{m}
                                       width
                                                                      1.2 m
      Volume of the trench estimated:
16.
                                                                    730 \, \mathrm{m}^3
17.
      The largest amount of the ore
                                               (Length of the gallery 19.5 m)
          estimated which is taken
          from the trench:
                                                                    430 ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                       TA-47,48,50,50(A),50(B)
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-8
```

1.	Number of trench:	TA-50	
2.	Project No. :	78/26	
3.	Area:	Kopdag	
4.	Map No.:	Erzurum, i-45, a1, No.1	
5.	Coordinates:	27.73 N, 33.62 E	
6	Altitude:	1,875 m	
7.	Name of the mine:	Pirnakapan (25,000) (east Kop chrome zone	١
8.	Location and communication:	- , , , , - , , , , , , , , , , , , , ,	
0.	botation and communication.	Kurudere, Pirnakapan, Aşkale, Erzurum, 20 minutes from Pirnakapan on foot and by car	
9.	Type etc.:	pit for exploration	
10.	Host rock:	serpentinized dunite	
11.	Orebody:		
	Stratigraphic horizon in		
	ultrabasic rocks;	middle horizon	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 78°E dip 32°N	
		(Direction of the ore zone; *)	
	Scale of the orebody observed;	extension to strike-side 4 m	
		extension to dip-side 3 m	
		width 0.1 m	
	Shape of the orebody;	lenticular	
12.	Chromite banding around the		
	orebody:	strike N 78°E dip 32°N	
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	massive, disseminated, banded	
	Ore minerals ;	chromite	
	Grade of the ore;	macroscopic estimation, 20 - 35 % Cr ₂ O ₃	
15.	The largest scale of the	extension to strike-side 3.2 m	
	orebody estimated:	extension to dip-side 3.5 m	
	•	width 0.3 m	
16.	Volume of the trench estimated:	30 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:	very small	
19.	Relation to the other trenches	TOLJ BRIGHT	
V	and galleries:	TA-47,48,49,50(A),50(B)	
20.	Laboratorical tests:	polished section (Acr-86)	
21.	Remarks:	refer Plate 7-8	
4.4.	Memory :	refer Plate 7-0	

```
Number of trench:
                                        TA-50(A) (not surveyed in detail)
1.
2.
     Project No.:
                                        78/26
3.
     Area:
                                        Kopdağ
4.
     Map No.:
                                        Erzurum, i-45, a1, No.1
5.
     Coordinates:
                                        27.77 N,
                                                           33.65 E
6
     Altitude:
                                        1,885 m
7.
     Name of the mine:
                                        Pirnakapan (25,000) (east Kop chrome zone)
                                        Kurudere, Pırnakapan, Aşkale, Erzurum,
20 minutes from Pırnakapan on foot and by
8.
     Location and communication:
                                        trench for exploration
9.
     Type etc.:
10.
     Host rock:
                                        dunite, harzburgite
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
                                                                            m
                                        width
                                                                            m
     Shape of the orebody;
                                        Orebody is not observed in the trench.
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;
                                        macroscopic estimation, -
15.
      The largest scale of the
                                        extension to strike-side
                                                                            m
          orebody estimated:
                                        extension to dip-side
                                                                            \mathbf{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:
                                        TA-47,48,49,50,50(B)
     Laboratorical tests:
20.
21.
     Remarks:
                                        refer Plate 7-8
```

```
TA-50(B)
     Number of trench:
 1.
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
 4.
                                      Erzurum, i-45, a1, No.1
     Map No.:
 5.
     Coordinates:
                                      27.74 N.
                                                        33.65 E
     Altitude:
                                      1,876 m
 6.
                                      Pirnakapan (25,000) (east Kop chrome zone)
     Name of the mine:
 7.
 8.
     Location and communication:
                                      Kurudere, Pırnakapan, Aşkale, Erzurum,
                                      20 minutes from Pirnakapan on foot and by
                                      trench for exploration
 9.
     Type etc.:
                                      dunite, harzburgite
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
         ultrabasic rocks:
                                      middle horizon
     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;
                                      Orebody is not observed in the trench.
12.
     Chromite banding around the
                                      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
                                                                        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
                                      TA-47,48,49,50,50(A)
         and galleries:
20.
     Laboratorical tests:
                                      refer Plate 7-8
21.
     Remarks:
```

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TB-1 78/26 Kopdağ Erzincan, i-44, a2, No.2 26.24 N, 06.40 E 1,980 m Civelek (2,000) (northern chrome zone) Kırıcakdere, Sıçankale Y., Aşkale, Erzurum, 40 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;	strongly serpentinized dunite, serpentinite upper horizon (hangingwall-side orebody) * strike * dip * (Direction of the ore zone; N 65°E) extension to strike-side * m extension to dip-side * m width * m
	Shape of the orebody;	width * m *
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 massive, brecciated (disseminated) chromite macroscopic estimation, 30 - 35% Cr ₂ O ₃ analytical value, 30.65% Cr ₂ O ₃ from the stockpile, random sample
15.	The largest scale of the orebody estimated:	extension to strike-side 20 m extension to dip-side 2 m width 0.8 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken '	590 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches	110 ton 2.6 ton
20. 21.	and galleries : Laboratorical tests : Remarks :	TB-2, TA-18 chemical analysis of the ore (Bcr-1) refer Plate 7-5

1.	Number of trench:	TB-2
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	26.18 N, 06.32 E
6.	Altitude:	2,005 m
7.	Name of the mine:	Civelek (2,000) (norther chrome zone)
8.	Location and communication:	Kırıcakdere, Sıçankale Y., Aşkale, Erzurum, 40 minutes from Sıçankale Y., by jeep
9.	Type etc.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (hangingwall-side orebody) 1
	Amount of the orebody; Direction of the orebody;	strike N 70°E dip 50°SE
	Direction of the drebody;	(Direction of the ore zone; N 65°E)
	Scale of the orebody observed;	extension to strike-side 5 m
	beate of the ofesody observed,	extension to dip-side * m
		width 1.2 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, brecclated (disseminated)
	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 4 m
	•	width 1.2 m
16.	Volume of the trench estimated:	1,500 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	170 ton
18.	Amount of stock of the ore:	3.8 ton
19.	Relation to the other trenches	
	and galleries:	TB-1, TA-18
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-5

1.	Number of trench:	TB-3	
2.	Project No.:	78/26	
3.	Area:	Kopdağ	
4.	Map No.:	Erzincan, i-44, a2, No.2	
5.		24.10 N, 04.09 E	
6.		2,115 m	
7.		Pembe Gül (2,000) (northern chrome zo	
8.	Location and communication:	Keşandere, Cancıkkomu Aşkale, Erzu 60 minutes from Sıçankale Y., on foot a	rum, and
_	-	by car	
9.	Type etc.:	trench for exploration	
10. 11.	Host rock : Orebody :	serpentinite (powdery)	
	Stratigraphic horizon in ultrabasic rocks;	upper horizon	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 15°E dip 65°NW	
	,	(Direction of the ore zone; *)	
	Scale of the orebody observed;	extension to strike-side * m	
		extension to dip-side 0.2 m	
		width 0.1 m	
	Shape of the orebody;	lenticular	
12.	Chromite banding around the		
7.0	orebody:	not observed	
13. 14.	Fault around the orebody: Ore:	not observed	
	Type of the ore;	massive, powdery	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, 30 - 40 % Cr	² 03
15.	The largest scale of the	extension to strike-side 2 m	
	orebody estimated:	extension to dip-side 0.7 m	
	-	width 0.2 m	
16.	Volume of the trench estimated:	2 m ³	
17.	The largest amount of the ore estimated which is taken	2	
10	from the trench:	1 ton	
18.	Amount of stock of the ore:	0.8 ton	
19.	Relation to the other trenches		
00	and galleries:	TM-3,4	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-5	

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TB-4 78/26 Kopdağ Erzincan, i-44, a2, No.2 23.90 N, 04.00 E 2,030 m Dikyokuş (10,000) (northern chrome zone) Baltadeğmezdere, Cancıkkomu, Aşkale Erzurum, 60 minutes from Sıçankale Y., on foot and by car
9.	Type etc.:	pit for exploration
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;	upper horizon (hangingwall-side orebody) 1 * strike * dip * (Direction of the ore zone; N 85°W) extension to strike-side * m extension to dip-side * m width * m *
12.	Chromite banding around the orebody:	strike N 70°W dip 47°N
13. 14.	Fault around the orebody: Ore: Type of the ore; Ore minerals; Grade of the ore;	not observed disseminated chromite macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 2 m extension to dip-side 0.7 m width 0.2 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	2 m ³
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries: Laboratorical tests:	TA-10, TB-5
21.	Remarks:	refer Plate 7-6

1. 2.	Number of trench: Project No.:	TB-5 78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	23.87N, 03.93 E
6.	Altitude:	2,010 m
7.	Name of the mine:	Dikyokuş (10,000) (northern chrome zone)
8.		Baltadegmezdere, Cancıkkomu, Aşkale Erzurum, 60 minutes from Sıçankale Y., on foot and by car
9.	Type etc.:	pit for exploration
10. 11.	Host rock : Orebody : Stratigraphic horizon in	serpentinite (powdery)
	ultrabasic rocks; Amount of the orebody;	upper horizon (hangingwall-side orebody)
	Direction of the orebody;	strike * dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 85°W) extension to strike-side * m extension to dip-side * m
	Shape of the orebody;	width * m
12.	Chromite banding around the orebody:	strike N 85°W dip 20°S
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore; Ore minerals;	disseminated chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 1 m extension to dip-side 0.3 m width 0.2 m
16.	Volume of the trench estimated:	0. H III
17.	The largest amount of the ore estimated which is taken from the trench:	
18.	Amount of stock of the ore:	<1 ton
19.	Relation to the other trenches and galleries:	
20.	Laboratorical tests:	TA-10, TB-4
21.	Remarks:	refer Plate 7-6

```
1.
      Number of trench:
                                       TB-6
 2.
      Project No.:
                                       78/26
 3.
      Area:
                                       Kopdağ
                                       Erzincan, i-44, a2, No.1
 4.
      Map No.:
 5.
      Coordinates:
                                       21.69 N,
                                                          99.57 E
 6.
      Altitude:
                                       1,785 m
 7.
      Name of the mine:
                                       Hacıbektaşkomu (10,000)
 8.
      Location and communication:
                                       Hacıbektaşkomu, Çayırlı, Erzincan,
                                       15 minutes from Hacıbektaşkomu on foot
 9.
      Type etc.:
                                       trench for exploration
10.
      Host rock:
                                       serpentinized dunite and serpentinite (powdery)
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
                                                                          m
                                       width
                                                                          m
      Shape of the orebody;
12.
      Chromite banding around the
          orebody:
                                       strike N 70°E dip 53°N
13.
                                       not observed
      Fault around the orebody:
14.
     Ore:
                                       disseminated
          Type of the ore;
          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
                                                                    3
                                                                          m
          orebody estimated:
                                       extension to dip-side
                                                                    0.3
                                                                          m
                                       width
                                                                    0.3
                                                                          m
16.
     Volume of the trench estimated:
                                                                    3
                                                                          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:
                                       0.3 ton
19.
     Relation to the other trenches
          and galleries:
                                       TA-26 - 28
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-6
```

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:	TB-7 78/26 Kopdağ Erzincan, i-44,a2, No.1 21.50 N, 98.09 E 1,685 m Hacıbektaşkomu (10,000) Kale Tepe, Hacıbektaşkomu, Çayırlı Erzinan 20 minutes from Hacıbektaşkomu on foot and by jeep
•	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; Shape of the orebody;	middle horizon * strike
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	not observed not observed * chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 2.4 m extension to dip-side 0.4 m width 0.2 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	4 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	<1 ton - TA-19 - 25
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-6

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:	TB-8 78/26 Kopdağ Erzincan, i-44, a2, No.1 22.96 N, 97.79 E 1,820 m Kayınlı Tepe (10,000) Kayınlı Tepe, Mirzaoğlu, Çayırlı, Erzincan, 60 minutes from Hacıbektaşkomu on foot pit for exploration
10.	Host rock:	lateritized, serpentinized dunite
11.	Orebody:	Intelligence, perpendicular demand
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	middle horizon
	Direction of the orebody;	strike * dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 60°W) extension to strike-side * m extension to dip-side * m
	Shape of the orebody;	width * m
12.	Chromite banding around the orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore: Type of the ore;	massive, disseminated
•	· · · · · · · · · · · · · · · · · ·	chromite
	Grade of the ore;	macroscopic estimation, 35 - 40 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 3.3 m
	orebody estimated:	extension to dip-side 0.6 m width 0.3 m
16.	Volume of the trench estimated:	width 0.3 m 9 m ³
17.	The largest amount of the ore	
	estimated which is taken	0 400
18.	from the trench: Amount of stock of the ore:	2 ton
19.	Relation to the other trenches	
	and galleries:	TB-9,10
20. 21.	Laboratorical tests:	refer Plate 7-6
41.	Memarks:	Teter Liere 1.0

1. 2. 3. 4. 5. 6. 7.	Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine:	TB-9 78/26 Kopdağ Erzincan, i-44, a2, No.1 22.93 N, 97.77 E 1,810 m Kayınlı Tepe (10,000)
9.	Type etc. :	Kayınlı Tepe, Mirzaoğlu, Çayırlı, Erzin- can, 60 minutes from Hacıbektaşkomu on foot trench for exploration
10. 11.	Host rock : Orebody : Stratigraphic horizon in	lateritized, serpentinized dunite
	ultrabasic rocks; Amount of the orebody; Direction of the orebody;	middle horizon
	Scale of the orebody observed;	strike N 65°Wdip * (Direction of the ore zone; N 60°W) extension to strike-side * m extension to dip-side * m
	Shape of the orebody;	width * m
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore:	strike N 85°E dip 33°S not observed
11.	Type of the ore; Ore minerals;	disseminated chromite
	Grade of the ore;	macroscopic estimation, *
15,	The largest scale of the orebody estimated:	extension to strike-side 4.5 m extension to dip-side 0.6 m width 0.3 m
16.	Volume of the trench estimated:	0.10 111
17.	The largest amount of the ore estimated which is taken from the trench:	16 _m 3
18.	Amount of stock of the ore:	3 ton
19.	Relation to the other trenches and galleries:	TB-8,10
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-6

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: Type etc.:	TB-10 78/26 Kopdağ Erzincan, i-44, a2, No.1 22.96 N, 97.73 E 1,812 m Kayınlı Tepe (10,000) Kayınlı Tepe, Mirzaoğlu, Çayırlı, Erzincan, 60 minutes from Hacıbektaşkomu on foot trench for exploration
<i>3</i> •	Type etc	tronom for exploration
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;	middle horizon * strike * dip * (Direction of the ore zone; N 60°W) extension to strike-side * m extension to dip-side * m width * m *
	Shape of the oredony,	
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	strike N 60°W dip 35°SW not observed disseminated chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 4 m extension to dip-side 0.6 m width 0.3 m
16.	Volume of the trench estimated:	19 m ³
17.	The largest amount of the ore estimated which is taken from the trench:	3 ton
18.	Amount of stock of the ore:	_
19.	Relation to the other trenches and galleries:	TB-8,9
20.	Laboratorical tests:	- meter Plate 7-6
21.	Remarks:	refer Plate 7-6

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:	TB-11 78/26 Kopdağ Erzincan, i-44, a2, No.3 20.64 N, 04.76 E 1,565 m Kara Tepe (25,000) (southern chrome zone) Fındıkdere, Cancıkkomu, Aşkale, Erzurum, 15 minutes from Erbaş station by jeep 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; Shape of the orebody;	middle horizon * strike N 60°E dip * (Direction of the ore zone; *) extension to strike-side * m extension to dip-side * m width * m *
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore;	not observed not observed massive
15.	Ore minerals; Grade of the ore; The largest scale of the orebody estimated:	chromite macroscopic estimation, 45% Cr ₂ O ₃ analytical value, 52.53% Cr ₂ O ₃ from the stockpile, high-grade part extension to strike-side 3.5 m extension to dip-side 0.5 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	width 0.2 m 14 m ³
18. 19. 20. 21.	Amount of stock of the ore: Relation to the other trenches and galleries: Laboratorical tests: Remarks:	0.7 ton TA-34,35 chemical analysis of the ore (Bcr-9) refer Plate 7-6

$_{2}.$	Number of trench: Project No.:	TB-12 (not surveyed in detail 78/26	l)	
3.	Area:	Kopdag		
4.	Map No.:	Erzincan, i-44, a2, No.3		
5.	Coordinates:	19.19 N, 03.96 E		
6.	Altitude:	1,530 m		
7.	Name of the mine:	-	Fon	۵۱
8.	Location and communication:	Güney Erbaş (southern chron		
0.	bocation and communication;	Karaalidere, Erbaş istasyon Erzurum, 20 minutes from E on foot across Karasu		
9.	Type etc.:	trench for exploration covere mostly	ed by s	soil
10.	Host rock:	serpentinized dunite and harz	burgi	te ·
11.	Orebody:			
	Stratigraphic horizon in			
	ultrabasic rocks;	middle horizon		
	Amount of the orebody;	*		
	Direction of the orebody;	strike N 55°E di	p *	
		(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;	*		
12.	Chromite banding around the			
	orebody:	not observed		
13.	Fault around the orebody:	not observed		
14.	Ore:			
	Type of the ore ;	disseminated		
	Ore minerals ;	chromite		
	Grade of the ore;	macroscopic estimation, 30	% Cr ₂	О3
15.	The largest scale of the	extension to strike-side	2	m
	orebody estimated:	extension to dip-side	0.3	m
	•	width	0.15	m
16.	Volume of the trench estimated:		2	m^3
17.	The largest amount of the ore			
	estimated which is taken			
	from the trench:		3	ton
18.	Amount of stock of the ore:	0.3 ton		-
19.	Relation to the other trenches			
	and galleries :	TA-36 - 41		
20.	Laboratorical tests:	-		
21.	Remarks:	refer Plate 7-6		
		TOTAL TIMES I O		

1.	Number of trench:	TB-13		
2.	Project No.:	78/26		
3.	Area:	Kopdag		
4.	Map No.:	Erzincan, i-44, a2, No.3		
5.	Coordinates:	18.33 N. 04.55 E		
6.	Altitude:	1,690 m		
7.	Name of the mine:	Topkayın Tepe (25,000) (south	hern c	hrome zone)
8.	Location and communication:	· · · · · · · · · · · · · · · · · ·		•
		Topkayın Tepe, Kâğışna Erz minutes from Erbaş station o the Karasu		
9.	Type etc.:	trench for exploration		
10. 11.	Host rock: Orebody:	serpentinized dunite		
	Stratigraphic horizon in			
	ultrabasic rocks; Amount of the orebody;	lower part of the middle hori	zon	
	Direction of the orebody;	* strike N 40°E di	- 4	
	Direction of the orebody;		•	
	Scale of the orebody observed;	(Direction of the ore zone; extension to strike-side)
	scare of the orenary observed;	extension to dip-side	*	m
		width	*	m m
	Shape of the orebody;	*	*	m
	ompo of the ofesody,	*		
12.	Chromite banding around the orebody:	not observed		
13.	Fault around the orebody:	not observed		
14.	Ore:	nov obscived		
	Type of the ore;	*		
	Ore minerals;	*		
	oro minoraro ,	·		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the	extension to strike-side	3	m
10.	orebody estimated:	extension to dip-side	0.3	m
	orong observator.	width	0.1	m
16.	Volume of the trench estimated:	Widdi	1	$^{\mathrm{m}}_{\mathrm{m}}$ 3
17.	The largest amount of the ore			***
	estimated which is taken			
	from the trench:		3	ton
18.	Amount of stock of the ore:	_		
19.	Relation to the other trenches			
	and galleries:	_		
20.	Laboratorical tests:	_		
21.	Remarks:	refer Plate 7-6		

```
TB-14
     Number of trench:
 1.
                                      78/26
 2.
     Project No.:
 3. Area:
                                      Kopdağ
 4.
     Map No.:
                                      Erzurum, i-45, a1, No.2
     Coordinates:
 5.
                                      28.40 N.
                                                        34.35 E
 6.
     Altitude:
                                        †
                                             m
     Name of the mine:
                                      Yassi Tepe (25,000) (east Kop chrome zone)
 7.
 8.
     Location and communication:
                                      Değirmendere, Pırnakapan Aşkale, Erzurum,
                                      30 minutes from Pırnakapan on foot and by
                                      pit for exploration
 9.
     Type etc.:
10.
     Host rock:
                                      dunite and harzburgite
11.
     Orebody:
     Stratigraphic horizon in
          ultrabasic rocks;
                                      middle horizon
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                        N 70°E 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
                                      strike N60°W, N85°E dip 62°N, 28°N (in turn)
          orebody:
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
                                      disseminated
          Type of the ore;
          Ore minerals;
                                      chromite
          Grade of the ore;
                                      macroscopic estimation,
                                                                   5
15.
     The largest scale of the
                                      extension to strike-side
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   0.8 m
                                                                   0.2 m
                                      width
16.
     Volume of the trench estimated:
                                                                  19
                                                                        m^3
17.
     The largest amount of the ore
          estimated which is taken
                                                                   3
          from the trench:
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
                                      TA-47 - 50B, TB-15,16
          and galleries:
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

1. 2. 3.	Number of trench: Project No.: Area:	TB-15 78/26 Kopdag
4. 5.	Map No.: Coordinates:	Erzurum, i-45, a1, No.2 28.30 N, 34.55 E
6.	Altitude:	★ m
7.	Name of the mine:	Yassı Tepe (25,000) (east Kop chrome zone)
8.	Location and communication:	Değirmendere, Pırnakapan Aşkale Erzurum, 30 minutes from Pırnakapan on foot and by car
9.	Type etc.:	pit for exploration
10. 11.	Host rock: Orebody: Stratigraphic horizon in	lateritized, serpentinized dunite
	ultrabasic rocks ;	middle horizon
	Amount of the orebody;	*
	Direction of the orebody;	strike N 20°W dip *
	Scale of the orebody observed;	(Direction of the ore zone; *) extension to strike-side * m
	Scare of the orelony observed,	extension to dip-side * m
		width * m
	Shape of the orebody;	*
12.	Chromite banding around the orebody:	strike N, N 50°W dip 48°W, 61°SW (in turn)
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore; Ore minerals;	disseminated, banded chromite
	Grade of the ore;	macroscopic estimation,
15.	The largest scale of the orebody estimated :	extension to strike-side 5 m extension to dip-side 0.8 m
	oresony estimaten .	width 0.2 m
16.	Volume of the trench estimated:	19 m ³
17.	The largest amount of the ore estimated which is taken	
10	from the trench:	3 ton
18.	Amount of stock of the ore: Relation to the other trenches	-
19.	and galleries :	TA-47 - 50B, TB-14,16
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-8

```
TB-16
     Number of trench:
 1.
 2.
     Project No.:
                                      78/26
     Area:
                                      Kopdağ
 3.
                                      Erzurum, i-45, a1, No.2
4.
     Map No.:
                                      28.00 N,
     Coordinates:
                                                        34.05 E
5.
     Altitude:
6.
                                        *
     Name of the mine:
                                      Yassi Tepe (25,000) (east Kop chrome zone)
 7.
8.
     Location and communication:
                                      Yassı Tepe, Pırnakapan Aşkale, Erzurum,
                                      30 minutes from Pirnakapan on foot and by
9.
                                      trench for exploration
     Type etc.:
10.
     Host rock:
                                      lateritized, serpentinized dunite
11.
     Orebody:
     Stratigraphic horizon in
                                      middle horizon
         ultrabasic rocks;
     Amount of the orebody;
     Direction of the orebody;
                                      strike N 25°W - N 50°E 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;
                                      lenticular
                                            N 24^{\circ}E - N 75^{\circ}E,
                                                                30-80N, NW
12.
     Chromite banding around the
         orebody:
                                      strike N 27°W
                                                            dip 57°W
                                      strike N 40°W, N 80°W dip 60°NE, 50 S (in turn)
13.
     Fault around the orebody:
14.
     Ore:
                                      disseminated, banded, massive
          Type of the ore;
         Ore minerals;
                                      chromite
                                      macroscopic estimation,
         Grade of the ore;
     The largest scale of the
                                      extension to strike-side 3, 5.5, 5 m
15.
         orebody estimated:
                                      extension to dip-side 0.8, 1.2, 1.2 m
                                                           0.3, 0.5, 0.4 m (in turn)
                                      width
                                                                        m^3
                                                                   260
16.
     Volume of the trench estimated:
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
                                                                    22
                                                                       ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TA 47 - 50B, TB-14,15
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-8
```

1. 2.	Number of trench: Project No.:	TB-17 78/26
3.	Area:	Kopdağ
4.	Map No.:	Tortum, H-45, d4, No.3
5.	Coordinates:	30.90 N, 36.55 E
6.	Altitude:	* m
7.	Name of the mine:	Habiboğlukomu (25,000) (east Kop chrome zone)
8.	Location and communication:	Kirişlidere, Habiboğlukomu Aşkale, Er- zurum, 40 minutes from Pırnakapan on foot and by jeep
9.	Type etc.:	pit for exploration
10. 11.	Host rock: Orebody:	serpentinized dunite and harzburgite
	Stratigraphic horizon in ultrabasic rocks;	middle horizon
	Amount of the orebody;	*
	Direction of the orebody;	strike * dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 20°E) extension to strike-side * m extension to dip-side * m
	Shape of the orebody;	width * m
12.	Chromite banding around the orebody:	not observed
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore; Ore minerals;	massive
	Ore innerals;	chromite
	Grade of the ore;	macroscopic estimation, $40\%\mathrm{Cr}_2\mathrm{O}_3$
15.	The largest scale of the	extension to strike-side 1.7 m
	orebody estimated:	extension to dip-side 0.5 m
		width 0.3 m
16.	Volume of the trench estimated:	$_{3}$ $_{\mathrm{m}}$ 3
17.	The largest amount of the ore estimated which is taken	
18.	from the trench:	< 1 ton
19.	Amount of stock of the ore:	0.8 ton
TO.	Relation to the other trenches and galleries:	mp 10 10
20.	Laboratorical tests:	TB-18,19
21.	Remarks:	refer Plate 7-7

1	Number of trench:	`TB-18
1. 2.		78/26
3.	Project No.:	Kopdag
4.	Map No.:	Tortum, H-45, d4, No.3
5.	Coordinates :	31.05 N, 36.55 E
6.	Altitude:	★ m
7.	Name of the mine :	Habiboğlukomu (25,000) (east Kop chrome zone)
8.	Location and communication:	Kirişlidere, Habiboğlukomu, Aşkale, Er-
0.	location and communication .	zurum, 40 minutes from Pırnakapan on foot and by jeep
9.	Type etc.:	trench for exploration
10. 11.	Host rock: Orebody:	serpentinized dunite
	Stratigraphic horizon in	
	ultrabasic rocks;	middle horizon
	Amount of the orebody;	1
	Direction of the orebody;	strike N 0° - 15°E dip 50° - 80°W
		(Direction of the ore zone; N 20°E)
	Scale of the orebody observed;	extension to strike-side * m
		extension to dip-side * m
		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, disseminated
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 4 m
	orebody estimated:	extension to dip-side 1.1 m
	·	width 0.5 m
16.	Volume of the trench estimated:	36 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:	-
19.	Relation to the other trenches	
	and galleries :	TB-17,19
20.	Laboratorical tests:	
21.	Remarks:	refer Plate 7-7

```
1.
      Number of trench:
                                        TB-19
  2.
      Project No.:
                                        78/26
  3.
      Area:
                                        Kopdag
  4.
      Map No. :
                                        Tortum, H-45, d4, No.3
  5.
      Coordinates:
                                        30.95 N,
                                                           36.50 E
  6.
      Altitude:
                                          \star
                                               m
  7.
      Name of the mine:
                                        Habiboğlukomu (25,000) (east Kop chrome zone)
  8.
      Location and communication:
                                        Kirişlidere, Habiboğlukomu, Askale,
                                        Erzurum, 40 minutes from Pırnakapan on
                                        foot and by jeep
  9.
      Type etc.:
                                        trench for exploration
10.
      Host rock :
                                        serpentinized dunite
11.
      Orebody:
      Stratigraphic horizon in
           ultrabasic rocks;
                                        middle horizon
      Amount of the orebody;
                                        1
      Direction of the orebody;
                                        strike
                                                          N 35°E dip 75°NW
                                        (Direction of the ore zone;
                                                                    N 20°E )
      Scale of the orebody observed :
                                        extension to strike-side
                                                                           m
                                        extension to dip-side
                                                                           m
                                        width
                                                                     0.7
                                                                          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, desseminated
          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
                                                                     4.5 m
          orebody estimated:
                                       extension to dip-side
                                                                     1.1 m
                                       width
                                                                     0.6 m
      Volume of the trench estimated:
16.
                                                                          m^3
                                                                    35
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:
                                       TB-17,18
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-7
```

1.	Number of trench:	TB-20
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Tortum, i-45, d4, No.3
5.	Coordinates:	33.10 N, 34.30 E
6.	Altitude:	* m
7.	Name of the mine:	Körösman Tepe (25,000) (east Kop chrome zone)
8.	Location and communication:	Körösmân Tepe Dencik Aşkale, Erzurum, 60 minutes from Pırnakapan by jeep
9.	Type etc.:	trench for exploration
10.	Host rock:	dunite and harzburgite
11.	Orebody:	
	Stratigraphic horizon in	middle horizon
	ultrabasic rocks;	
	Amount of the orebody;	2 * strike * dip *
	Direction of the orebody;	
	Scale of the orebody observed;	(Direction of the ore zone; *) extension to strike-side * m
	scare of the orebody observed,	extension to dip-side * m
		width * m
	Shape of the orebody;	*
	billipe of the crossing,	
12.	Chromite banding around the	
	orebody:	strike N 30°E dip 35°SE
13.	Fault around the orebody:	strike N 80°W dip 70°N
14.	Ore:	
	Type of the ore;	massive, disseminated
	Ore minerals ;	chromite
	Grade of the ore ;	macroscopic estimation, 30 - 40 % Cr ₂ O ₃
		analytical value, 31.96 % Cr2O3 from the
		stockpile, random sample
15.	The largest scale of the	extension to strike-side 25, 17 m
	orebody estimated:	extension to dip-side 1.5, 1.2 m
		width 0.8, 0.8 m (in turn)
16.	Volume of the trench estimated:	2,290 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	220 ton
18.	Amount of stock of the ore:	150 ton
19.	Relation to the other trenches	
	and galleries:	
20.	Laboratorical tests:	chemical analysis of the ore (Bcr-11)
21.	Remarks:	refer Plate 7-7

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TB-21 78/26 Kopdag Tortum, i-45, d4, No.3 31.15 N, 34.50 E ★ m Şehirdere (25,000) (east Kop chrome zone) Şehirdere, Şehirderekomu, Aşkale, Erzurum, 70 minutes from Pırnakapan on foot and by car
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 strike N 25°E*dip * (Direction of the ore zone; *) extension to strike-side * m
	Shape of the orebody;	extension to dip-side * m width * m lenticular
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	strike N 27°E, N dip 33°SE, 50°E (in turn) not observed disseminated chromite
	Grade of the ore;	macroscopic estimation, 30 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated:	extension to strike-side 8 m extension to dip-side 1.2 m width 0.8 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	135 m ³
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries:	27 ton 3 ton
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-7

```
TB-22
 1.
     Number of trench:
 2.
     Project No.:
                                       78/26
 3. Area:
                                      Kopdağ
 4. Map No.:
                                      Erzincan, i-44, b2, No.1
 5.
     Coordinates:
                                      27.66 N.
                                                         20.18 E
 6
     Altitude:
                                      2,470 m
 7.
     Name of the mine:
                                      Delavlardağ (25,000)
     Location and communication:
                                      Delavlardağ, Sıçankale Y., Aşkale
                                      Erzurum 40 minutes from Sıçankale Y.,
                                      on foot and by car
 9.
     Type etc.:
                                      2 pit for exploration
                                      dunite and harzburgite
10.
     Host rock:
     Orebody:
11.
     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;
                                       lenticular
12.
     Chromite banding around the
                                       strike N 20°E dip 66°SE
          orebody:
13.
     Fault around the orebody:
                                                N 35°E, N 60°E dip 75°W, 30°SE (in turn)
14.
     Ore:
                                       massive, disseminated
          Type of the ore;
                                      chromite
          Ore minerals;
          Grade of the ore;
                                       macroscopic estimation, 30 - 35 % Cr<sub>2</sub>O<sub>3</sub>
15.
     The largest scale of the
                                       extension to strike-side
                                                                   10
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                    1
                                                                         m
                                      width
                                                                    0.4 m
16.
     Volume of the trench estimated:
                                                                   23
                                                                         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.
                                       5 ton
19.
     Relation to the other trenches
          and galleries:
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-7
```

1.	Number of trench:	TB-23 (not surveyed in detail)
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, a2, No.2
5.	Coordinates:	25.54 N, 06.18 E
	Altitude:	2,133 m
7.	Name of the mine:	Civelek (2,000) (northern chrome zone)
8.	Location and communication:	Yayladere, Sıçankale Y., Aşkale, Erzurum, 60 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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	ultrabasic rocks;	upper horizon (footwall-side * orebody)
	Amount of the orebody;	*
	Direction of the orebody;	strike N 70°E dip 40°NW
	Cools of the smallester showing to	(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side * m extension to din-side * m
		catching to dip side
	Shape of the orebody;	width * m
	Shape of the orebody;	T
12.	Chromite banding around the	
	orebody:	strike N 60°E dip 57°NW
13.	Fault around the orebody:	not observed
14.	Ore:	
	Type of the ore;	(massive), disseminated
	Ore minerals;	chromite
	•	
	Grade of the ore;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 1 m
	orebody estimated:	extension to dip-side 0.2 m
	·	width 0.1 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:	_
19.	Relation to the other trenches	
	and galleries:	TA-17
20.	Laboratorical tests:	-
21.	Remarks:	no sketch map.

1. 2.	Number of trench:	TC-1 * 78/26
3.	Project No.:	· v
	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.1
5.	Coordinates:	26.38 N, 06.65 E
6.	Altitude:	1,991 m
7.	Name of the mine:	Armutlu (2,000) (northern chrome zone)
8.	Location and communication:	Büyükgüllünün Sr., Sıçankale Y.,
		Aşkale, Erzurum, 30 minutes from Sıçan-
		kale Y., by car
9.	Type etc.:	trench for exploitation
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (hangingwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike N 40°E dip 47°NW
		(Direction of the ore zone; *)
	Scale of the orebody observed;	extension to strike-side 20 m
		extension to dip-side 6 m
		width 15 m
	Shape of the orebody;	lenticular
12.	Chromite banding around the	•
	orebody:	not observed
13.	Fault around the orebody:	strike N 60°E dip 56°N
14.	Ore:	
	Type of the ore;	massive
	Ore minerals ;	chromite
	Gangue minerals;	serpentine, magnesite, magnetite, zeolite, stichtite
	Grade of the ore;	macroscopic estimation, 35 - 45 % Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 50 m
	orebody estimated:	extension to dip-side 6 m
		width 20 m
16.	Volume of the trench estimated:	15,900 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	15,750 ton
18.	Amount of stock of the ore:	2,000 ton
19.	Relation to the other trenches	
	and galleries:	TC-32
20.	Laboratorical tests:	X-ray diffractive analysis (Bx-2)
21.	Remarks:	refer Plate 7-4

1.	Number of trench:	TC-2
2.	Project No.:	78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, b1, No.1
5.	Coordinates:	26.01 N, 06.92 E
6.	Altitude:	2,025 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.:	trench for exploitation
10.	Host rock:	strongly serpentinized dunite and serpen-
		tinite (powdery)
11.	Orebody:	(2011 10-3)
	Stratigraphic horizon in	
	ultrabasic rocks;	upper horizon (footwall-side orebody
	Amount of the orebody;	1
	Direction of the orebody;	
	Direction of the orebody;	strike N 0 - 48°E dip 55 - 60 W (Direction of the ore zone; N 35°E)
	Scale of the orebody observed;	
-	scare of the orebody observed;	-
		extension to dip-side 4 m width 0.5 m
	Chang of the auchods	3.75
	Shape of the orebody;	lenticular
12.	Chromite banding around the	
14.	orebody:	nah aharawa d
13.	•	not observed
	Fault around the orebody:	not observed
14.	Ore:	manufacture dimension to de
	Type of the ore;	massive, disseminated
	Ore minerals;	chromite (uvarovite)
	Gangue minerals;	serpentine, magnesite, magnetite (common)
	Grade of the ore;	macroscopic estimation, 30 - 35 % Cr2O3
15	The largest scale of the	outonaion to athilise aids
15.		extension to strike-side 30 m
	orebody estimated:	extension to dip-side 10 m
10	Training of the two of catherine 1	width 5 m
16.	Volume of the trench estimated:	$3,300 m^3$
17.	The largest amount of the ore	
	estimated which is taken	
10	from the trench:	3,500 ton
18.	Amount of stock of the ore:	
19.	Relation to the other trenches	
	and galleries:	TC-33,42
20.	Laboratorical tests:	polished section (Ccr-33)
21.	Remarks:	refer Plate 7-5

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TC-3* 78/26 Kopdağ Erzincan, i-44, b1, No.1 26.10 N, 07.02 E 1,990 m Tepebaşı (2,000) (northern chrome zone) Büyükgüllünün Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploration
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody;	upper horizon (lowermost part) strike N 40°E dip *
	Scale of the orebody observed;	(Direction of the ore zone; N 10°W) extension to strike-side * m extension to dip-side 5 m width 0.1 m
	Shape of the orebody;	lenticular
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	strike N 10°W dip 60°W strike N 55°E dip 80°NW massive, disseminated chromite
	Grade of the ore;	macroscopic estimation, 25 - 30 $\%$ $\rm Cr_2O_3$
15.	The largest scale of the orebody estimated:	extension to strike-side 30 m extension to dip-side 5 m width 3 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	2,130 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches	525 ton
20. 21.	and galleries: Laboratorical tests: Remarks:	TC-4,35 polished section (Ccr-34) refer Plate 7-5

6. 7. 8.		TC-4 78/26 Kopdağ Erzincan, i-44, b1, No.1 26.00 N, 07.08 E 1,945 m Tepebaşı (2,000) (northern chrome zone) Büyükgüllünün Sr., Sıçankale Y., Aşkale Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploration
10. 11.	Host rock : Orebody : Stratigraphic horizon in	serpentinite (powdery)
	ultrabasic rocks; Amount of the orebody; Direction of the orebody;	upper horizon (lowermost part) 1 strike N 34°E dip 60°NW
	Scale of the orebody observed;	(Direction of the ore zone; N 10°W) extension to strike-side * m extension to dip-side 2 m
	Shape of the orebody;	width 0.5 m lenticular, layered
12.	Chromite banding around the orebody:	strike N 35°E dip 60°NW
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore; Ore minerals;	massive chromite
	Grade of the ore;	macroscopic estimation,
15.	The largest scale of the orebody estimated:	extension to strike-side 13 m extension to dip-side 2 m width 0.5 m
16.	Volume of the trench estimated:	75 m
17.	The largest amount of the ore estimated which is taken from the trench:	
18.	Amount of stock of the ore:	23 ton
19.	Relation to the other trenches	
20.	and galleries : Laboratorical tests :	TC-3,35
21.	Remarks:	refer Plate 7-5

1.	Number of trench:	TC-5		
2.	Project No.:	78/26		
3.	Area:	Kopdaġ		
4.	Map No.:	Erzincan, i-44, bl, No.1	_	
5.	Coordinates:	26.19 N, 06.97 E	;	
6.	Altitude:	1,973 m	_	
7.	Name of the mine:	Tepebaşı (2,000) (northern c		
8.	Location and communication:	Büyükgüllünün Sr., Sıçankalı Erzurum, 30 minutes from S by car		
9.	Type etc.:	trench for exploration		
10.	Host rock:	strongly serpentinized dunite	e and s	erpentinite
11.	Orebody:			
	Stratigraphic horizon in		h	\
	ultrabasic rocks;	upper horizon (footwall-side	orepoi	4 y)
	Amount of the orebody; Direction of the orebody;	3-4 strike N 30°E d	in en	°NW
	Direction of the ofenous,	(Direction of the ore zone;	•	
	Scale of the orebody observed;	extension to strike-side	*	m
	bare of the closedy observed ;	extension to dip-side	3	m
		width	0.1	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,	*	
15.	The largest scale of the	extension to strike-side	5	m
	orebody estimated:	extension to dip-side	3	m
	·	width	0.5	m
16.	Volume of the trench estimated:		160	m^3
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:	TC-6,42		
20.	Laboratorical tests:	-		
21.	Remarks:	refer Plate 7-5		

1.	Number of trench:	TC-6
2.	Project No.:	78/26
3.	Area:	Kopdag
4.	Map No.:	Erzincan, 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.:	trench for exploration
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	upper horizon (footwall-side orebody)
	Direction of the orebody;	1
	Direction of the orebody;	strike N 30°E dip 75°NW
	Scale of the orebody observed;	(Direction of the ore zone; N 30°E) extension to strike-side * m
	Shape of the orebody;	extension to dip-side 3 m width 1.5 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,
15.	The largest scale of the orebody estimated:	extension to strike-side 5 m extension to dip-side 4 m width 1.5 m
16.	Volume of the trench estimated:	
17.	The largest amount of the ore	40 m ³
	estimated which is taken from the trench:	MO Levi
18.	Amount of stock of the ore:	70 ton
19.	Relation to the other trenches	
	and galleries :	TC-5, GC-5
20.	Laboratorical tests:	-
21.	Remarks:	refer Plate 7-5

```
TC-7 *
     Number of trench:
 1.
                                      78/26
 2.
     Project No.:
                                      Kopdağ
 3.
     Area:
                                      Erzincan, i-44, bl, No.1
 4.
     Map No.:
 5.
     Coordinates:
                                                         06.95 E
                                      26.84 N.
     Altitude:
 6.
                                      2,109 m
     Name of the mine:
                                      Bati Ezan (2,000) (northern chrome zone)
 7.
     Location and communication:
 8.
                                      Büyükgüllünün Sr., Sıçankale Y., Aşkale,
                                      Erzurum, 30 minutes from Sıçankale Y.,
                                      by car
     Type etc.:
 9.
                                      trench for exploitation
     Host rock:
10.
                                      serpentinite
     Orebody:
11.
     Stratigraphic horizon in
          ultrabasic rocks;
                                      upper horizon (hangingwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                         N 85°E dip N, steep
                                      (Direction of the ore zone;
                                                                  N 70°E )
     Scale of the orebody observed;
                                      extension to strike-side
                                                                         m
                                                                   20
                                      extension to dip-side
                                                                         m
                                      width
                                                               7 - 10
                                                                         m
     Shape of the orebody;
                                      lenticular
12.
     Chromite banding around the
          orebody:
                                      not observed
     Fault around the orebody:
                                      strike N 84° - 86°E dip 70° - 78°N
13.
14.
     Ore:
          Type of the ore;
                                      massive
          Ore minerals;
                                      chromite
          Gangue minerals
           (remarkably observed);
                                      magnetite, brucite, stichtite
          Grade of the ore;
                                      macroscopic estimation, 35 - 40 % Cr2O3
     The largest scale of the
                                      extension to strike-side
15.
                                                                    60
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                    18
                                                                         m
                                      width
                                                                    20
                                                                         m
                                                                35,570
16.
     Volume of the trench estimated:
                                                                         m^3
     The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                50,400
                                                                        ton
     Amount of stock of the ore:
18.
                                       variable
19.
     Relation to the other trenches
          and galleries:
                                      TZ-1,3,GC-7
                                      X-ray diffractive analysis (Cx-1)
20.
     Laboratorical tests:
                                      refer Plate 7-4
21.
     Remarks:
```

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:	TC-8* 78/26 Kopdağ Erzincan, i-44, b1, No.1 26.57 N, 06.98 E 2,038 m Orta Ezan (2,000) (northern chrome zone) Büyükgüllünün Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc.:	trench for exploitation
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	serpentinite (powdery) upper horizon (footwall-side orebody) strike N 60°E-N 70°W dip 25-68°N (Direction of the ore zone; N 55°E) extension to strike-side 50 m
	Shape of the orebody;	extension to dip-side 10 m width 6 m lenticular
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore:	not observed
11.	Type of the ore; Ore minerals;	massive, disseminated chromite
	Grade of the ore;	macroscopic estimation, 40 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated:	extension to strike-side 85 m extension to dip-side 15 m width 10 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	78,000 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches	36,400 ton
	and galleries:	TC-9, GB-1 GM-1,
20. 21.	Laboratorical tests: Remarks:	refer Plate 7-4

```
TC-9
 1.
      Number of trench:
 2.
      Project No.:
                                       78/26
 3.
      Area:
                                       Kopdağ
 4.
      Map No.:
                                       Erzincan, i-44, bl, No.1
 5.
      Coordinates:
                                       26.63 N.
                                                   07.12E
 6.
      Altitude:
                                       2.065 m
 7.
      Name of the mine:
                                       Doğu Ezan (2,000) (northern chrome zone)
      Location and communication:
                                       Büyükgüllünün Sr., Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Sicankale Y., by car
 9.
      Type etc.:
                                       trench, gallery (closed), for exploitation
10.
      Host rock:
                                       serpentinite (powdery)
11.
      Orebody:
      Stratigraphic horizon in
                                       upper horizon
          ultrabasic rocks;
                                       (footwall-side orebody)
      Amount of the orebody;
      Direction of the orebody;
                                       strike N 50° - 65°E,
                                                               dip 47° - 50° NW
                                       (Direction of the ore zone:
                                                                     N50°E )
      Scale of the orebody observed;
                                       extension to strike-side
                                                                    13
                                                                          m
                                                                     5
                                       extension to dip-side
                                                                          \mathbf{m}
                                                                     3
                                       width
                                                                          m
     Shape of the orebody;
                                       lenticular
12.
      Chromite banding around the
          orebody:
                                       not observed
13.
      Fault around the orebody:
                                                                         72°S
                                       strike
                                                 N60°E,
                                                                 dip
14.
     Ore:
          Type of the ore;
                                       massive, disseminated,
          Ore minerals;
                                       chromite
                                       (kaemmererite)
          Grade of the ore;
                                       macroscopic estimation,
                                                                          %Cr2O3
15.
      The largest scale of the
                                       extension to strike-side 35, 65
                                                                          m
                                                                 5,
                                                                     5
          orebody estimated:
                                       extension to dip-side
                                                                          m
                                       width
                                                                 3, 1.5
                                                                          m (in turn)
     Volume of the trench estimated:
16.
                                                               22,000
                                                                          m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                 3,670
                                                                         ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
                                       TC-3,4, TC-8, TZ-2, GB-1
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-4
```

```
1.
      Number of trench:
                                        TC-10
 2.
      Project No.:
                                        78/26
 3.
      Area:
                                        Kopdağ
 4.
      Map No.:
                                        Erzincan, i-44, bl, No.1
 5.
      Coordinates:
                                        27.18 N,
                                                   07.72 E
 6.
      Altitude:
                                        2,095 m
 7.
      Name of the mine:
                                        Sulu (2,000) (northern chrome zone)
 8.
      Location and communication:
                                        Güllünündere, Sıçankale Y.,
                                        Aşkale, Erzurum
                                        30 minutes from Sicankale Y., by car
 9.
      Type etc.:
                                        pit for exploration
10.
      Host rock:
                                        serpentinite (powdery)
11.
      Orebody:
      Stratigraphic horizon in
                                        upper horizon
          ultrabasic rocks:
                                        (hangingwall-side orebody)
      Amount of the orebody;
                                        1
      Direction of the orebody;
                                        strike
                                                  N85°E
                                                                  dip
                                                                          45°N
                                        (Direction of the ore zone; N60°E
      Scale of the orebody observed;
                                        extension to strike-side
                                                                           m
                                        extension to dip-side
                                                                      2
                                                                           m
                                        width
                                                                      3
                                                                           m
      Shape of the orebody;
                                        lenticular
12.
      Chromite banding around the
          orebody:
                                        strike
                                                  N55°E
                                                                  dip
                                                                          66°NW
13.
      Fault around the orebody:
                                       not observed
14.
     Ore:
          Type of the ore;
                                       massive
          Ore minerals:
                                        chromite
          Grade of the ore;
                                        macroscopic estimation,
                                                                          \% \operatorname{Cr}_2\operatorname{O}_3
15.
     The largest scale of the
                                        extension to strike-side
                                                                           m
          orebody estimated:
                                        extension to dip-side
                                                                      2
                                                                           m
                                                                      3.5 m
                                        width
16.
     Volume of the trench estimated:
                                                                          m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                      5
                                                                          ton
18.
     Amount of stock of the ore:
     Relation to the other trenches
19.
          and galleries:
                                       TC-11 - 13, TM-1 - 2, GC-2
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-3
```

```
1.
     Number of trench:
                                      TC-11
 2.
      Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
 4.
     Map No.:
                                      Erzincan, i-44, bl, No.1
 5.
     Coordinates:
                                      27.18 N,
                                                 7.73 E
 6.
     Altitude:
                                      2,102 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.:
                                      trench for exploration
10.
     Host rock :
                                      serpentinite (powdery)
11.
     Orebody:
     Stratigraphic horizon in
                                      upper horizon
          ultrabasic rocks ;
                                      (hangingwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                                dip
                                      (Direction of the ore zone;
                                                                  N60°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,
15.
     The largest scale of the
                                      extension to strike-side
                                                                   1.5 m
          orebody estimated:
                                      extension to dip-side
                                                                   0.3 m
                                      width
                                                                   1
                                                                        m
     Volume of the trench estimated:
16.
                                                                        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:
                                      TC-10, 12, 13, TM-1, GC-2
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-3
```

1. 2. 3. 4. 5. 6. 7. 8.		TC-12 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.18 N, 07.74 E 2,107 m Sulu (2,000) (northern chrome zone) Güllünündere, Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car 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;	serpentinite (powdery) upper horizon (hangingwall-side orebody) 1 strike N65°W, dip 35°NE (Direction of the ore zone; N60°E) extension to strike-side * m extension to dip-side 1.5 m width 4 m lenticular
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals; Grade of the ore;	strike N35°W, dip 55°NE not observed massive chromite macroscopic estimation, * %Cr2O3
15. 16.	The largest scale of the orebody estimated: Volume of the trench estimated:	extension to strike-side 6 m extension to dip-side 1.5 m width 4 m 20 m^3
17. 18. 19. 20. 21.	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: Laboratorical tests: Remarks:	30 ton very small TC-10, 11, 13, TM-1, GC-2 - refer Plate 7-3

```
TC-13 *
      Number of trench:
 1.
 2.
      Project No.:
                                      78/26
 3.
     Area:
                                      Kopdag
 4.
      Map No.:
                                      Erzincan, i-44, b1, No.1
 5.
      Coordinates:
                                                 07.84 E
                                      27.15 N.
 6.
     Altitude:
                                      2,148 m
                                      Sulu (northern chrome zone)
 7.
     Name of the mine:
                                      Güllünündere, Sıçankale Y.,
 8.
      Location and communication:
                                      Askale, Erzurum,
                                      30 minutes from Sicankale Y., by car
 9.
      Type etc.:
                                      trench, for exploitation
10.
     Host rock:
                                      serpentinite (powdery)
11.
     Orebody:
                                      upper horizon
     Stratigraphic horizon in
          ultrabasic rocks;
                                      (hangingwall-side orebody)
     Amount of the orebody;
                                      1
                                                N70°E,
                                                                       23°N
      Direction of the orebody:
                                      strike
                                                                dip
                                      (Direction of the ore zone; N60°E
     Scale of the orebody observed;
                                      extension to strike-side
                                      extension to dip-side
                                                                   1.5 m
                                      width
                                                                   0.5 m
     Shape of the orebody;
                                      lenticular
12.
     Chromite banding around the
                                                                       45°NW
                                      strike
                                                N65°E
                                                                dip
          orebody:
                                                N45°E,
                                                                       60°NW
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
                                      massive, banded
         Ore minerals;
                                      chromite
                                      (uvarovite)
         Grade of the ore;
                                      macroscopic estimation,
                                                                        %Cr2O3,
15.
     The largest scale of the
                                      extension to strike-side
                                                                  60
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   5
                                                                        m
                                      width
                                                                        m
                                                                   7
     Volume of the trench estimated:
16.
                                                                        m^3
                                                               9,600
17.
     The largest amount of the ore
         estimated which is taken
         from the trench:
                                                                        ton
                                                               4,900
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TC-10-12, TM-1, GC-2
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-3
```

1. 2.	Number of trench: Project No.:	TC-14 78/26	
3.	Area:	37	
4.		Kopdağ	
	Map No.: Coordinates:	Erzincan, i-44, b1, No.1	
5. C	-	27.02 N, 07.90 E	
6.	Altitude:	2,102 m	- 3
7.	Name of the mine:	Sulu (2,000) (northern chrome zon	ie)
8.	Location and communication:	Güllünündere, Sıçankale Y.,	
		Aşkale, Erzurum	
	W	30 minutes from Siçankale Y., by	car
9.	Type etc.:	trench, for exploitation	
10.	Host rock:	serpentinite (powdery)	
11.	Orebody:		
	Stratigraphic horizon in	upper horizon	
	ultrabasic rocks;	(footwall-side orebody)	
	Amount of the orebody;	1	_
	Direction of the orebody;	strike N60°W, dip	*
		(Direction of the ore zone; N85	E)
	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.	Chromite banding around the		
	orebody:	strike N75°W, dip	35°NE
13.	Fault around the orebody:	not observed	
14.	Ore:		
	Type of the ore;	(massive) brecciated	
	Ore minerals;	chromite	
	Grade of the ore;	macroscopic estimation, 30	% Cr ₂ O ₃
15.	The largest scale of the	extension to strike-side 8	m
	orebody estimated:	extension to dip-side 1	m
		width 1.5	5 m
16.	Volume of the trench estimated:	40	\mathbf{m}^{3}
17.	The largest amount of the ore		
	estimated which is taken		
	from the trench:	42	ton
18.	Amount of stock of the ore:	2	ton
19.	Relation to the other trenches		
	and galleries:	TM-1, 2, TC-31, GX-1, GC-1	
20.	Laboratorical tests:	-	
21.	Remarks:	refer Plate 7-3	

```
Number of trench:
 1.
                                       TC-15
 2.
      Project No.:
                                       78/26
 3.
      Area:
                                       Kopdağ
 4.
                                       Erzincan, i-44, b1, No.1
      Map No.:
                                       26.85 N,
                                                  08.20 E
 5.
      Coordinates:
     Altitude:
                                       1,960 m
 6.
                                       Sulu (2,000) (northern chrome zone)
 7.
      Name of the mine:
 8.
     Location and communication:
                                       Güllünündere, Sıçankale Y.,
                                       Aşkale, Erzurum,
                                       30 minutes from Sıçankale Y., by car
 9.
      Type etc.:
                                       trench, for exploitation
10.
     Host rock:
                                       serpentinite (powdery)
11.
      Orebody:
     Stratigraphic horizon in
          ultrabasic rocks:
                                       upper horizon
                                       2
      Amount of the orebody:
      Direction of the orebody;
                                                 N15°E
                                                                         30°W
                                       strike
                                                                  dip
                                       (Direction of the ore zone;
     Scale of the orebody observed:
                                       extension to strike-side
                                                                          m
                                       extension to dip-side
                                                                     3
                                                                          m
                                       width
                                                                     1
                                                                          m
      Shape of the orebody;
                                       lenticular
                                                     Width of orebody is the total
                                                     of the 2 orebodies.
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,
                                                                          %Cr2O_3
15.
      The largest scale of the
                                       extension to strike-side
                                                                 7 \times 3
                                                                          m
          orebody estimated:
                                       extension to dip-side
                                                                 3 \times 3
                                                                          m
                                       width
                                                                 1 \times 3
                                                                          m
16.
      Volume of the trench estimated:
                                                                   320
                                                                          m^3
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                   294
                                                                         ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
          and galleries:
20.
     Laboratorical tests:
21.
     Remarks:
                                       refer Plate 7-3
```

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:	TC-16 78/26 Kopdağ Erzincan, i-44, b1, No. 27.58 N, 10.17 E 2,231 m Gökyokuşun Sr. (2,000) (no. Camlıtepenin Sr., Sıçankalı Aşkale, Erzurum, 25 minutes from Sıçankalı pit, for exploration	orther le Y.,	,	•
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;	serpentinite (powdery) upper horizon (hangingwall-side orebody) * strike * (Direction of the ore zone extension to strike-side extension to dip-side width *	dip	* 30°E) m m m	
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 * macroscopic estimation,	*		
15. 16. 17.	The largest scale of the orebody estimated: Volume of the trench estimated: The largest amount of the ore estimated which is taken	extension to strike-side extension to dip-side width	1 0.8 0.8 4		
18. 19. 20. 21.	from the trench: Amount of stock of the ore: Relation to the other trenches and galleries: Laboratorical tests: Remarks:	- TC-17,18,19,20,21,22 - refer Plate 7-3	< 1	ton	

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:	TC-17 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.58 N, 10.15 E 2,262 m Gökyokuşun Sr.(2,000) (northern chrome zone) Camlıtepenin Sr., Sıçankale Y., Aşkale, Erzurum, 25 minutes from Sıçankale Y. on foot and by can
9.	Type etc.:	pit, for exploration
10.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody; Direction of the orebody; Scale of the orebody observed;	strongly serpentinized dunite and serpentinite upper horizon (hangingwall-side orebody) 1 strike N15°E, dip 68°W (Direction of the ore zone; N30°E) extension to strike-side * m extension to dip-side 1.5 m width 3 m layered
10	•	and or ou
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	strike N15°E, dip 68°W not observed banded chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 1.5 m extension to dip-side 1.5 m width 3 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	9 m ³
18. 19.	Amount of stock of the ore: Relation to the other trenches and galleries: Laboratorical tests:	TC-16,18,19,20,21,22
21.	Remarks:	refer Plate 7-3

1. 2.	Number of trench: Project No.:	TC-18 78/26
3.	Area:	Kopdağ
4.	Map No.:	Erzincan, i-44, bl, No.1
5.	Coordinates:	27.57 N, 10.15 E
6.	Altitude:	2,250 m
7.	Name of the mine:	Gökyokuşun Sr. (2,000) (northern chrome zone)
8.	Location and communication:	Camlitepenin Sr., Siçankale Y.,
		Aşkale, Erzurum,
		25 minutes from Siçankale Y. on foot and by car
9.	Type etc.:	trench, for exploration
10.	Host rock:	serpentinite (powdery)
11.	Orebody:	
	Stratigraphic horizon in	upper horizon
	ultrabasic rocks;	(hangingwall-side orebody)
	Amount of the orebody;	1
	Direction of the orebody;	strike N8°W, dip 66°W
	Coals of the archedy observed .	(Direction of the ore zone; N30°E) extension to strike-side 5 m
	Scale of the orebody observed;	extension to strike-side 5 m extension to dip-side 1.5 m
		width 1.2 m
	Shape of the orebody;	lenticular
	planpo of the erossay,	
12.	Chromite banding around the	
	orebody:	strike N45°E, dip 48°NW
13.	Fault around the orebody:	strike N35°E, dip 30°NW
14.	Ore: Type of the ore;	massive, banded
	Ore minerals;	chromite
	Gangue minerals;	serpentine, magnesite, magnetite (abundant)
	Grade of the ore;	macroscopic estimation, * %Cr2O3 analytical value, 45.09 %Cr2O3
		from the stockpile, high-grade part
15.	The largest scale of the	extension to strike-side 7 m
10.	orebody estimated:	extension to dip-side 1.5 m
	01 00 00 00 00 00 00 00 00 00 00 00 00 0	width 1.2 m
16.	Volume of the trench estimated:	63 m ³
17.	The largest amount of the ore	
	estimated which is taken	
	from the trench:	15 ton
18.	Amount of stock of the ore:	4.5 ton
19.	Relation to the other trenches	
	and galleries:	TC-16,17,19,20,21,22
20.	Laboratorical tests:	polished section (Ccr-9)
		chemical analysis of the ore (Ccr-9)
21.	Remarks:	refer Plate 7-3

```
TC-19
 1.
     Number of trench:
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3. Area:
                                      Erzincan, i-44, b1, No.1
 4. Map No.:
     Coordinates:
                                      27.55 N,
                                                 10.14 E
 6.
     Altitude:
                                      2,255 m
 7. Name of the mine:
                                      Gökyokuşun Sr. (2,000) (northern chrome zone)
 8.
     Location and communication:
                                      Camlitepenin Sr., Siçankale Y.,
                                      Aşkale, Erzurum
                                      25 minutes from Siçankale Y. on foot and by car
 9.
                                      pit, for exploration
     Type etc.:
10.
     Host rock:
                                      serpentinite (powdery)
11.
     Orebody:
     Stratigraphic horizon in
                                      upper horizon
          ultrabasic rocks;
                                      (hangingwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                                dip
                                                                  N30°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
                                      not observed
         orebody:
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
                                                                  0.5
          orebody estimated:
                                      extension to dip-side
                                                                        m
                                      width
                                                                  1
                                                                        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:
19.
     Relation to the other trenches
                                      TC-16,17,18,20,21,22
         and galleries:
20.
     Laboratorical tests:
                                      refer Plate 7-3
21.
     Remarks:
```

```
1.
     Number of trench:
                                      TC-20
 2.
     Project No.:
                                      78/26
 3.
     Area:
                                      Kopdağ
 4.
     Map No.:
                                      Erzincan, i-44, b1, No.1
     Coordinates:
                                      27.88 N,
                                                 10.24 E
 6.
     Altitude:
                                      2,232 m
 7.
     Name of the mine:
                                      Gökyokuşun Sr. (2,000) (northern chrome zone)
 8.
     Location and communication:
                                      Camlitepenin Sr., Siçankale Y.,
                                      Aşkale, Erzurum,
                                      25 minutes from Siçankale Y. on foot and by car
 9.
     Type etc.:
                                      pit, for exploration
10.
     Host rock:
                                      serpentinite (powdery)
11.
     Orebody:
     Stratigraphic horizon in
                                      upper horizon
         ultrabasic rocks;
                                      (hangingwall-side orebody)
     Amount of the orebody;
     Direction of the orebody;
                                      strike
                                                                 dip
                                      (Direction of the ore zone;
                                                                   N30°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,
                                                                   *
15.
     The largest scale of the
                                      extension to strike-side
                                                                   0.4
                                                                        m
         orebody estimated:
                                      extension to dip-side
                                                                   0.3
                                                                        m
                                      width
                                                                   0.2
                                                                        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:
                                      TC-16,17,18,19,21,22
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-3
```

1. 2. 3. 4.	Number of trench: Project No.: Area: Map No.: Coordinates:	TC-21 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.84 N, 10.29 E
6.	Altitude:	2,200 m
7.	Name of the mine:	Gökyokuşun Sr. (2,000) (northern chrome zone)
8.	Location and communication:	Camlitepenin Sr., Siçankale Y., Aşkale, Erzurum, 25 minutes from Siçankale Y. on foot and by car
9.	Type etc.:	trench for exploration
10. 11.	Host rock : Orebody :	serpentinite (powdery)
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	upper horizon (hangingwall-side orebody) 1
	Direction of the orebody;	strike N15°E, dip 52°W (Direction of the ore zone; N30°E)
	Scale of the orebody observed;	extension to strike-side 1.8 m extension to dip-side 0.3 m width 0.5 m
	Shape of the orebody;	layered
12.	Chromite banding around the orebody:	not observed
13. 14.	Fault around the orebody: Ore:	not observed
	Type of the ore;	*
	Ore minerals;	chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the	extension to strike-side 0.9 m
	orebody estimated:	extension to dip-side 0.5 m
16.	Volume of the trench estimated:	width 0.2 m $< 1 \text{ m}^3$
17.	The largest amount of the ore estimated which is taken	
	from the trench:	< 1 ton
18.	Amount of stock of the ore: Relation to the other trenches	-
19.	and galleries:	TC-16,17,18,19,20,22
20.	Laboratorical tests:	_
21.	Remarks:	refer Plate 7-3

1. 2. 3.	Number of trench: Project No.: Area:	TC-22 78/26 Kopdağ		
4.	Map No.:	Erzinean, i-44, b1, No.	1	
5.	Coordinates:	27.90 N, 10.34 E		
6.	Altitude:	2,220 m		
7.	Name of the mine:	Gökyokuşun Sr. (2,000) (no		chrome zone)
8.	Location and communication:	Camlitepenin Sr., Siçanka Aşkale, Erzurum		eat and his ann
9.	Type etc.:	25 minutes from Siçankale trench for exploration	1. On IC	ot and by car
10. 11.	Host rock : Orebody :	serpentinite (powdery)		
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	upper horizon (hangingwall-side orebody) *	1	
	Direction of the orebody;	strike E*	dip	*
	Scale of the orebody observed;	(Direction of the ore zone extension to strike-side	; N30°	•
	scare of the orebody observed;	extension to dip-side	*	m m
		width	*	m
	Shape of the orebody;	*		•••
12.	Chromite banding around the orebody:	strike N42°E	dip	45°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	1	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			
10	from the trench:		< 1	ton
18.	Amount of stock of the ore:	very small		
19.	Relation to the other trenches and galleries:	mrs_1g 17 10 10 00 01		
20.	Laboratorical tests :	TC-16,17,18,19,20,21		
20.	Remarks:	refer Plate 7-3		
41.	Remarks:	refer Plate (=3		

1. 2.	Number of trench:	TC-23		
3.	Project No. : Area:	78/26		
4.	Map No.:	Kopdağ	-	
5.	Coordinates:	Erzincan, i-44, b1, No. 28.01 N, 10.98 E	J,	
6.	Altitude:	2,277 m		
7.	Name of the mine:	Gökyokuşun Sr. (2,000) (no	nthonn (shuama zana)
8.	Location and communication:	Gökyokuşun Sr., Sıçankale Aşkale, Erzurum, 20 minutes from Sıçankale	Υ.,	
9.	Type etc.:	trench for exploration	1.00 10	ot and by car
10. 11.	Host rock : Orebody :	serpentinite (powdery)		
11.	Stratigraphic horizon in	upper horizon		
	ultrabasic rocks;	(footwall-side orebody)		
	Amount of the orebody;	1		
	Direction of the orebody;	strike E*	dip	*
	,	(Direction of the ore zone	•	W)
	Scale of the orebody observed;	extension to strike-side	*	m
	·	extension to dip-side	0.5	m
		width	0.2	m
	Shape of the orebody;	lenticular*		
12.	Chromite banding around the			
	orebody:	strike N35°E	dip	75°NW
13.	Fault around the orebody:	not observed		
14.	Ore:			
	Type of the ore;	massive, banded		
	Ore minerals;	chromite		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the	extension to strike-side	8	m
	orebody estimated:	extension to dip-side	2	m
		width	0.5	m
16.	Volume of the trench estimated:		10	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:	TC-24,25,26,27,28		
20.	Laboratorical tests:			
21.	Remarks:	refer Plate 7-3		

```
1.
      Number of trench:
                                       TC-24
 2. Project No.:
                                       78/26
 3. Area:
                                       Kopdağ
 4.
     Map No. :
                                       Erzincan, i-44, bl, No.1
 5.
      Coordinates:
                                       27.99 N,
                                                  11.00 E
 6.
     Altitude:
                                       2,272 m
 7.
    Name of the mine:
                                       Gökyokuşun Sr. (2,000) (northern chrome zone)
 8.
      Location and communication:
                                       Gökyokuşun Sr., Sıçankale Y.,
                                       Aşkale, Erzurum
                                       20 minutes from Siçankale Y. on foot and by car
 9.
      Type etc.:
                                       trench for exploration
10.
      Host rock:
                                       serpentinite (powdery)
11.
      Orebody:
      Stratigraphic horizon in
                                       upper horizon
          ultrabasic rocks:
                                       (footwall-side orebody)
      Amount of the orebody:
      Direction of the orebody;
                                       strike
                                                                 dip
                                       (Direction of the ore zone; N30°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:
                                      not observed
13.
      Fault around the orebody:
                                      not observed
      Ore:
14.
          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
                                                                   0.5
                                                                        m
16.
      Volume of the trench estimated:
                                                                   6
                                                                        m^3
     The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                        ton
                                                                   2
18.
     Amount of stock of the ore:
                                                                   0.9
                                                                        ton
19.
     Relation to the other trenches
          and galleries:
                                      TC-23,25,26,27,28
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-3
```

```
1.
     Number of trench:
                                      TC-25
                                      78/26
 2.
     Project No.:
                                      Kopdağ
 3. Area:
     Map No.:
                                      Erzincan, i-44, bl, No.1
 5. Coordinates:
                                                 11.17 E
                                      27.83 N,
     Altitude:
 6.
                                      2,240 m
 7.
     Name of the mine:
                                      Gökyokuşun Sr. (2,000) (northern chrome zone)
 8.
     Location and communication:
                                      Gökyokusun Sr., Sıçankale Y.,
                                      Askale, Erzurum,
                                      20 minutes from Siçankale Y. on foot and by car
9.
     Type etc.:
                                      pit, for exploration
10.
     Host rock:
                                      serpentinite (powdery)
     Orebody:
11.
     Stratigraphic horizon in
                                      upper horizon
                                      (footwall-side orebody)
          ultrabasic rocks;
     Amount of the orebody:
                                                                dip
     Direction of the orebody;
                                      strike
                                      (Direction of the ore zone;
                                                                  N30°W
                                      extension to strike-side
     Scale of the orebody observed:
                                                                        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
                                                                   1
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   0.5
                                                                        m
                                                                   0.3
                                      width
                                                                        m
                                                                        m^3
16.
     Volume of the trench estimated:
                                                                   9
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                < 1
                                                                        ton
     Amount of stock of the ore:
18.
19.
     Relation to the other trenches
          and galleries:
                                      TC-23,24,26,27,28
20.
     Laboratorical tests:
21.
     Remarks:
                                      refer Plate 7-3
```

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TC-26 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.76 N, 11.21 E 2,218 m Gökyokuşun Sr. (2,000) (nor Gökyokuşun Sr., Sıçankale N		hrome zone)
		Aşkale, Erzurum, 20 minutes from Sıçankale Y	on foc	ot and by car
9.	Type etc.:	pit, for exploration		
10. 11.	Host rock ; Orebody : Stratigraphic horizon in ultrabasic rocks ;	serpentinite (powdery) upper horizon (footwall-side orebody)		
	Amount of the orebody;	*		
	Direction of the orebody;	strike *	lip :	*
	Scale of the orebody observed;	(Direction of the ore zone; extension to strike-side extension to dip-side	*	m m
	Shape of the orebody;	width *	*	m
12.	Chromite banding around the orebody:	not observed		
13. 14.	Fault around the orebody: Ore:	not observed		
	Type of the ore; Ore minerals;	*		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the orebody estimated:	extension to strike-side extension to dip-side width	0.6 0.5 0.4	m m m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken		9	_m 3
	from the trench:	<	< 1	ton
18.	Amount of stock of the ore:	-		_
19.	Relation to the other trenches and galleries:	TC-23,24,25,27,28		
20.	Laboratorical tests:	-		
21.	Remarks:	refer Plate 7-3		

```
TC-27
     Number of trench:
 1.
                                      78/26
 2.
     Project No.:
                                      Kopdag
     Area:
 3.
 4.
     Map No.:
                                      Erzincan, i-44, b1, No.1
     Coordinates:
 5.
                                      27.74 N.
                                                 11.21 E
     Altitude:
                                      2,215 m
 6.
                                      Gökyokuşun Sr. (2,000) (northern chrome zone)
     Name of the mine:
 7.
     Location and communication:
                                      Gökyokuşun Sr., Sıçankale Y.,
 8.
                                      Aşkale, Erzurum,
                                      20 minutes from Sicankale Y. on foot and by car
                                      pit, for exploration
9.
     Type etc.:
10.
     Host rock:
                                      serpentinite (powdery)
     Orebody:
11.
     Stratigraphic horizon in
                                      upper horizon
         ultrabasic rocks;
                                      (footwall-side orebody)
     Amount of the orebody;
                                                                dip
     Direction of the orebody;
                                      strike
                                      (Direction of the ore zone: N30W
                                      extension to strike-side
     Scale of the orebody observed;
                                      extension to dip-side
                                                                        m
                                      width
                                                                        m
     Shape of the orebody;
12.
     Chromite banding around the
                                      not observed
         orebody:
                                      not observed
13.
     Fault around the orebody:
14.
     Ore:
          Type of the ore;
          Ore minerals;
                                      macroscopic estimation,
          Grade of the ore;
                                      extension to strike-side
15.
     The largest scale of the
                                                                        m
                                                                  0.9
          orebody estimated:
                                      extension to dip-side
                                                                  0.5
                                                                        m
                                      width
                                                                  0.3
                                                                        m
                                                                        m^3
     Volume of the trench estimated:
16.
                                                                < 1
     The largest amount of the ore
17.
          estimated which is taken
          from the trench:
                                                                        ton
                                                                < 1
     Amount of stock of the ore:
18.
     Relation to the other trenches
19.
          and galleries:
                                      TC-23,24,25,26,28
20.
     Laboratorical tests:
     Remarks:
21.
                                      refer Plate 7-3
```

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TC-28 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.77 N, 11.23 E 2,252 m Gökyokuşun Sr. (2,000) (northern chrom Gökyokuşun Sr., Sıçankale Y., Aşkale, Erzurum, 20 minutes from Sıçankale Y. on foot and	
9.	Type etc.:	pit, for exploration	by our
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;	serpentinite (powdery) upper horizon (footwall-side orebody) strike N30°E dip 42°NV (Direction of the ore zone; N30°W) extension to strike-side * m extension to dip-side 1 m width 0.5 m lenticular	V
12.	Chromite banding around the		
13. 14.	orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	not observed not observed * chromite	
	Grade of the ore;	macroscopic estimation,	
15.	The largest scale of the orebody estimated:	extension to strike-side 1.7 m extension to dip-side 0.4 m width 0.5 m	
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	< 1 m ³	
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches	1 ton	
20.	and galleries: Laboratorical tests:	TC-23,24,25,26,27	
21.	Remarks:	refer Plate 7-3	

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TC-29 78/26 Kopdağ Erzincan, i-44, b1, No.1 24.06 N, 12.05 E 1,912 m Tecer (25,000) (southern chrome zone) Çorakdere, Tecer, Aşkale, Erzurum, 80 minutes from Sıçankale Y.on foot
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 6 strike N40°E dip 60°NW (Direction of the ore zone; N75°W) extension to strike-side * m extension to dip-side 1.5 m
	Shape of the orebody;	width 1 m lenticular
12. 13.	Chromite banding around the orebody: Fault around the orebody:	not observed
14.	Ore: Type of the ore; Ore minerals; Grade of the ore;	massive, disseminated chromite macroscopic estimation, * analytical value, 43.41 % Cr2O3 from the outcrop, high-grade part
15.	The largest scale of the orebody estimated:	extension to strike-side 1.5 m extension to dip-side 1.5 m width 1 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	7 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches	g ton
20.	and galleries: Laboratorical tests:	TC-40 polished section (Ccr-22)
21.	Remarks:	chemical analysis of the ore (Ccr-22) refer Plate 7-9

1. 2.	Number of trench: Project No.:	TC-30 * 78/26
3.	Area:	Kopdag
4.	Map No.:	Trabzon, H-44, c3, No.4
5.	Coordinates:	30.55 N, 18.99 E
6.	Altitude:	2,530 m
7.	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. 11.	Host rock: Orebody:	strongly serpentinized dunite
	Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	upper horizon
	Direction of the orebody;	strike N 0° - 55°W dip 90° * (Direction of the ore zone; N15°W)
	Scale of the orebody observed;	extension to strike-side 35 m extension to dip-side 6 m
	Shape of the orebody;	width 3.5 m layered
12.	Chromite banding around the orebody:	strike N60°E, dip 35°NW
13. 14.	Fault around the orebody: Ore:	strike N10°W, dip 75°W
	Type of the ore; Ore minerals;	brecciated chromite
	Grade of the ore;	macroscopic estimation, analytical value, \$39.78 % Cr ₂ O ₃
		from the outcrop, random sample
15.	The largest scale of the	extension to strike-side 20 m
	orebody estimated:	extension to dip-side 10 m
	-	width 4 m
16.	Volume of the trench estimated:	22,000 m ³
17.	The largest amount of the ore estimated which is taken	
10	from the trench:	2,800 ton
18.	Amount of stock of the ore:	-
19.	Relation to the other trenches	mp 00 n=
20.	and galleries:	TD-29 - 35
21.	Laboratorical tests: Remarks:	chemical analysis of the ore (Ccr-29) refer Plate 7-1
41	Hemaiks:	refer Plate 1-1

1. 2.	Number of trench: Project No.:	TC-31 (not surveyed in d 78/26	etail)	
3.	Area:	Kopdag		
4.	Map No.:	Erzincan, i-44, bl. No	0.1	
5.	Coordinates:	27.12 N, 07.74 E		
6.	Altitude:	2,075 m		
7.	Name of the mine:	Sulu (2,000) (northern ch	rome zone	e)
8.	Location and communication:	Güllünündere, Sıçankale		·
		Aşkale, Erzurum,	•	
		30 minutes from Sıçanka	le Y. by c	ar
9.	Type etc.:	trench, for exploitation	-	
10. 11.	Host rock: Orebody:	serpentinite (powdery)		
	Stratigraphic horizon in	upper horizon		
	ultrabasic rocks ;	(footwall-side orebody)		
	Amount of the orebody;	ì		
	Direction of the orebody;	strike N65°-90°W	dip 30'	- 35°N
	• ,	(Direction of the ore zone	e; N85°	E)
	Scale of the orebody observed;	extension to strike-side	*	m
	-	extension to dip-side	3	m
		width	1.2	m
	Shape of the orebody;	lenticular, layered		
12.	Chromite banding around the orebody:	strike N25°E N75°W	dip	35°NW 35°NE
13.	Fault around the orebody:	not observed		
14.	Ore:			
	Type of the ore;	massive		
	Ore minerals;	chromite (kaemmererite	e)	
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the	extension to strike-side	40	m
	orebody estimated:	extension to dip-side	5	m
		width	7	m
16.	Volume of the trench estimated:		5,250	$\mathbf{m^3}$
17.	The largest amount of the ore estimated which is taken			
	from the trench:		4,900	ton
18.	Amount of stock of the ore:	*	,	
19.	Relation to the other trenches			
	and galleries:	GX-1, GC-1, TM-1,2,	TC-14	
20.	Laboratorical tests:	polished section (Ccr-47)		
21.	Remarks:	no sketch map	•	
		-		

```
1.
     Number of trench:
                                       TC-32
                                               (not surveyed in detail)
 2.
     Project No.:
                                       78/26
 3.
     Area:
                                       Kopdağ
 4.
                                       Erzincan, i-44, bl, No.1
     Map No.:
 5.
     Coordinates:
                                       26.29 N.
                                                         06.07 E
 6.
     Altitude:
                                       2,015 m
 7.
     Name of the mine:
                                       Armutlu (2,000) (northern chrome zone)
 8.
     Location and communication:
                                       Büyükgüllünün Sr., Siçankale Y., Aşkale,
                                       Erzurum,
                                       30 minutes from Siçankale Y., by car
 9.
     Type etc.:
                                       trench for exploration
10.
     Host rock:
                                       serpentinite (powdery)
11.
     Orebody:
     Stratigraphic horizon in
          ultrabasic rocks;
                                       upper horizon (footwall-side orebody)
                                       1
     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
                                                                   0.5
                                       extension to dip-side
                                                                         m
                                                                   0.4
                                       width
                                                                         m
     Shape of the orebody;
12.
     Chromite banding around the
                                       strike N 85°E dip 55°S
          orebody:
13.
                                       not observed
     Fault around the orebody:
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
                                                                   0.4
                                                                         m
          orebody estimated:
                                       extension to dip-side
                                                                   0.3
                                                                         m
                                       width
                                                                   0.2
                                                                         \mathbf{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:
19.
     Relation to the other trenches
          and galleries:
                                       TC-1
20.
     Laboratorical tests:
21.
     Remarks:
                                       no sketch map
```

1. 2. 3.	Number of trench: Project No.: Area:	TC-33 (not surveyed in detail) 78/26 Kopdag	
4.	Map No.:	Erzincan, i-44, bl No.1	
5.	Coordinates:	25.96 N, 06.72 E	
6.	Altitude:	1,970 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.:	trench for exploration	
10.	Host rock:	serpentinite (powdery)	
11.	Orebody:		
	Stratigraphic horizon in ultrabasic rocks;	upper horizon (footwall-side orebody)	
	Amount of the orebody;	1	
	Direction of the orebody;	strike N 40°E dip 60°NW	
	Scale of the orebody observed;	(Direction of the ore zone; N 35°E) extension to strike-side * m extension to dip-side 1 m	
	Shape of the orebody;	width 0.2 m lenticular	
12.	Chromite banding around the orebody:	strike N 52°W dip 32°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 1 m	
	orebody estimated:	extension to dip-side 1 m	
	•	width 0.2 m	
16.	Volume of the trench estimated:	2 $^{\mathrm{m}^{3}}$	
17.	The largest amount of the ore estimated which is taken from the trench:	. 4	
18.	Amount of stock of the ore:	< 1 ton	
19.	Relation to the other trenches	-	
TO.	and galleries:	ma e	
20.	Laboratorical tests:	TC-2	
21.	Remarks:	no akotah man	
41.	Hemary :	no sketch map	

```
1.
       Number of trench:
                                                (not surveyed in detail)
                                        TC-34
   2.
       Project No.:
                                        78/26
   3.
       Area:
                                        Kopdag
       Map No.:
                                        Erzincan, i-44, b1, No.1
   5.
       Coordinates:
                                        26.58 N.
                                                          07.38 E
   6.
       Altitude :
                                        2,040 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 Sıçankale Y., by car
  9.
       Type etc.:
                                        trench for exploration
 10.
       Host rock :
                                        serpentinite (powdery)
 11.
       Orebody:
       Stratigraphic horizon in
           ultrabasic rocks:
                                       upper horizon (lowermost 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
                                                                         m
                                       width
                                                                         m
      Shape of the orebody;
 12.
      Chromite banding around the
          orebody:
                                       strike N 78°E dip 55°N
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
                                                                         m
          orebody estimated:
                                      extension to dip-side
                                                                         m
                                      width
                                                                         m
      Volume of the trench estimated:
16.
                                                                   120
                                                                        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:
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

1. 2. 3. 4. 5. 6. 7.	Location and communication:	TC-35 (not surveyed in detail 78/26 Kopdag Erzincan, i-44, b1, No.1 26.18 N, 07.06 E 1,930 m Tepebaşı (2,000) (northern ch Büyükgüllünün Sr., Sıçankale Erzurum, 30 minutes from Sıçankale Y.	rome Y.,	Aşkale,
9.	Type etc.:	trench or pit for exploration		
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	serpentinite upper horizon (lowermost par 1	•	
	Direction of the orebody; Scale of the orebody observed;	strike N 40°E di (Direction of the ore zone; extension to strike-side extension to dip-side width	p 50 N 10° * 0.5 0.1	°NW W) 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 * chromite		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the orebody estimated:	extension to strike-side extension to dip-side width	1 1 0.5	m m m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	,, <u></u>	1	m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches	_	1	ton
20. 21.	and galleries: Laboratorical tests: Remarks:	TC-3,4 - no sketch map		

-	Name have a 6 August ab	T0.00 (t	. •1.	
1. 2.	Number of trench:	TC-36 (not surveyed in deta	ail)	
2. 3.	Project No.:	78/26		
4.	Area:	Kopdağ		
	Map No.:	Erzincan, i-44, bl, No.1		
5.	Coordinates:	28.00 N, 09.11 E	ļ	
6.	Altitude:	2,158 m		
7.	_ · · · _ · · ·	Çalazarlarındere (2,000)(nor	thern	chrome zone)
8.	Location and communication:	Çalazarlarındere, Sıçankale Erzurum, 60 minutes from		
		on foot and by car	ı Diğui,	imic It,
9.	Type etc.:	trench or pit		
10.	Host rock:	serpentinite		
11.	Orebody:			
	Stratigraphic horizon in			
	ultrabasic rocks;	upper horizon		
	Amount of the orebody;	1 *		
	Direction of the orebody;		ip *	
		(Direction of the ore zone;	N 15°	E)
	Scale of the orebody observed;	extension to strike-side	*	m
		extension to dip-side	1.5	m
		width	0.4	m
	Shape of the orebody;	layered		
12.	Chromita handing around the			
12.	Chromite banding around the	strike N 500E die 400NIII		
13.	orebody:	strike N 50°E dip 48°NW not observed		
14.	Fault around the orebody:	not observed		
14.	Ore:			
	Type of the ore;	*		
	Ore minerals;	chromite		
	Grade of the ore ;	magrasania agtimation		
	cruce of the ofe;	macroscopic estimation,	*	
15.	The largest scale of the	extension to strike-side	1	m
	orebody estimated:	extension to dip-side	1.5	m
	or only obtainabou .	width	0.5	m
16.	Volume of the trench estimated:	W. 4.0012	2	m ³
17.	The largest amount of the ore		_	111
	estimated which is taken			
	from the trench:		2	ton
18.	Amount of stock of the ore:	*		- π = •
19.	Relation to the other trenches			
	and galleries :	TC-37,38		
20.	Laboratorical tests:	-		
21.	Remarks:	no sketch map		
		-		

```
TC-37 (not surveyed in detail)
     Number of trench:
 1.
 2.
     Project No.:
                                      78/26
                                      Kopdag
 3.
     Area:
                                      Erzincan, i-44, b1, No.1
 4.
     Map No.:
     Coordinates:
                                      28.01 N.
                                                        09.12 E
 5.
                                      2,150 m
 6.
     Altitude:
                                      Çalazarlarındere (2,000)(northern chrome zone)
     Name of the mine:
 7.
                                      Çalazarlarındere, Sıçankale Y., Aşkale,
 8.
     Location and communication:
                                                  50 minutes from Siçankale Y.,
                                      Erzurum,
                                      on foot and by car
                                      trench or pit
 9.
     Type etc.:
                                      serpentinite
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 15°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,
15.
     The largest scale of the
                                      extension to strike-side
                                                                  1
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                  0.5
                                                                        m
                                      width
                                                                  0.3
                                                                        m
16.
     Volume of the trench estimated:
                                                                < 1
                                                                        m^3
     The largest amount of the ore
17.
         estimated which is taken
          from the trench:
                                                                < 1
                                                                        ton
18.
     Amount of stock of the ore:
19.
     Relation to the other trenches
         and galleries:
                                      TC-36,38,
20.
     Laboratorical tests:
21.
     Remarks:
                                      no sketch map
```

1. 2. 3.	Number of trench: Project No.: Area:	TC-38 (not surveyed in det 78/26	ail)	
4.	Map No.:	Kopdağ Erzincan, i-44, b1, No.	1	
5.	Coordinates:	28.01 N, 09.13		
6.	Altitude:	2,145 m		
7.	Name of the mine:	Çalazarlarındere (2,000)(n	orthern	chrome zone)
8.	Location and communication:	Çalazarlarındere, Sıçanka Erzurum, 50 minutes fron foot and by car	le Y., A	Aşkale,
9.	Type etc.:	trench or pit		
10. 11.	Host rock : Orebody : Stratigraphic horizon in	serpentinite		
	ultrabasic rocks; Amount of the orebody;	upper horizon		
	Direction of the orebody;	strike *	dip *	
	,	(Direction of the ore zone	-	E)
	Scale of the orebody observed;	extension to strike-side	*	m
	•	extension to dip-side	1	m
		width	0.3	m
	Shape of the orebody;	*		
12.	Chromite banding around the orebody:	strike N 30°E dip 58°NW		
13. 14.	Fault around the orebody: Ore:	not observed		
	Type of the ore;	*		
	Ore minerals;	chromite		
	Grade of the ore;	macroscopic estimation,	*	
15.	The largest scale of the	extension to strike-side	1	m
	orebody estimated:	extension to dip-side	0.5	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			
10	from the trench:		< 1	ton
18.	Amount of stock of the ore:	*		
19.	Relation to the other trenches			
00	and galleries:	TC-36,37		
20.	Laboratorical tests:	-		
21.	Remarks:	no sketch map		

1. 2. 3. 4. 5. 6. 7.	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TC-39 (not surveyed in detail) 78/26 Kopdağ Erzincan, i-44, b1, No.1 27.28 N, 08.91 E 2,035 m Çalazarlarındere (2,000)(northern chrome zone) Çalazarlarındere, Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y.,
9.	Type etc.:	on foot and by car trench or pit
10. 11.	Host rock: Orebody: Stratigraphic horizon in ultrabasic rocks; Amount of the orebody;	serpentinite upper horizon 1
	Direction of the orebody; Scale of the orebody observed;	strike * dip * (Direction of the ore zone; N 15°E) extension to strike-side * m extension to dip-side 0.5 m width 0.3 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 * chromite
	Grade of the ore;	macroscopic estimation, *
15.	The largest scale of the orebody estimated:	extension to strike-side 0.5 m extension to dip-side 0.5 m width 0.3 m
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken	<1 m ³
18. 19.	from the trench: Amount of stock of the ore: Relation to the other trenches and galleries:	< 1 ton - SZ-1
20. 21.	Laboratorical tests: Remarks:	no sketch map

	Number of trench: Project No.: Area: Map No.: Coordinates: Altitude: Name of the mine: Location and communication:	TC-40 (not surveyed in detail) 78/26 Kopdağ Erzincan, i-44, b1, No.1 24.27 N, 11.20 E 1,910 m Tecer (10,000) (southern chrom Sögütçayırıdere, Tecer, Aşka 80 minutes from Sıçankale Y.,	le, Erzurum,
9.	Type etc.:	trench for exploration	
10. 11.	Host rock: Orebody: Stratigraphic horizon in	serpentinite	
	ultrabasic rocks; Amount of the orebody; Direction of the orebody;	middle horizon 1 strike * dip	¥
	Scale of the orebody observed;	strike * dip (Direction of the ore zone; processed to strike-side extension to dip-side width * dip-side * dip	N 75°W) `m `m
	Shape of the orebody;	*	111
12. 13. 14.	Chromite banding around the orebody: Fault around the orebody: Ore: Type of the ore; Ore minerals;	not observed not observed * chromite	
	Grade of the ore;	macroscopic estimation,	•
15.	The largest scale of the orebody estimated:	extension to strike-side 1 extension to dip-side 1 width 0	
16. 17.	Volume of the trench estimated: The largest amount of the ore estimated which is taken from the trench:	4	_{. m} 3
18. 19.	Amount of stock of the ore: Relation to the other trenches	*	ton ton
20. 21.	and galleries : Laboratorical tests : Remarks :	TC-29 - no sketch map	

```
1.
      Number of trench:
                                       TC-41
                                               (not surveyed in detail)
                                       78/26
 2.
      Project No.:
                                       Kopdağ
     Area:
 3.
                                       Trabzon, H-44, c3, No.4
 4.
      Map No.:
 5.
                                       30.32 N.
                                                          21.89 E
      Coordinates:
 6.
      Altitude:
                                       2,350 \text{ m}
                                       Arapçayırıdere (10,000)
      Name of the mine:
                                       Fatteninyurdu Sr., Kop, Bayburt, Gümü-
 8.
      Location and communication:
                                                60 minutes from Sigankale Y.,
                                       on foot and by car
                                       trench or pit for exploration
 9.
      Type etc.:
                                       strongly serpentinized dunite
10.
     Host rock:
11.
     Orebody:
     Stratigraphic horizon in
                                       middle horizon (upper part)
          ultrabasic rocks:
     Amount of the orebody;
                                       1
                                                         N 40° E dip
                                                                       60°NW*
     Direction of the orebody:
                                       strike
                                       (Direction of the ore zone;
     Scale of the orebody observed:
                                       extension to strike-side
                                                                          m
                                       extension to dip-side
                                                                    1
                                                                          m
                                       width
                                                                    0.5
                                                                          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, brecciated
          Ore minerals;
                                       chromite (uvarovite)
          Grade of the ore;
                                       macroscopic estimation,
                                                                    * % Cr2O3
                                       analytical value, 45.11 % Cr2O3 from the
                                       outcrop, high-grade part
15.
     The largest scale of the
                                       extension to strike-side
                                                                          \mathbf{m}
          orebody estimated:
                                       extension to dip-side
                                                                    1
                                                                          m
                                                                    0.5
                                       width
                                                                          m
                                                                         m^3
16.
     Volume of the trench estimated:
                                                                    2
17.
     The largest amount of the ore
          estimated which is taken
          from the trench:
                                                                         ton
                                                                    3
18.
     Amount of stock of the ore:
                                       0.6 ton
19.
     Relation to the other trenches
          and galleries:
20.
     Laboratorical tests:
                                       chemical analysis of the ore (Ccr-26)
                                       polished section (Ccr-26)
21.
     Remarks:
                                       no sketch map
```

```
Number of trench:
                                       TC-42 (nor surveyed in detail)
 2.
      Project No. :
                                       78/26
 3. Area:
                                       Kopdağ
 4. Map No.:
                                       Erzincan, i-44, bl, No.1
      Coordinates:
                                       26.15 N,
                                                         06.95 E
 6.
     Altitude:
                                       1,998 m
 7. Name of the mine:
                                       Tepebaşı (2,000) (northern chrome zone)
 8.
      Location and communication:
                                       Büyükgüllünun Sr., Sıçankale Y., Aşkale,
                                       Erzurum,
                                       30 minutes from Siçankale Y., by car
 9.
      Type etc.:
                                       trench or pit for exploration
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
                                                                dip
                                      (Direction of the ore zone;
                                                                  N 30°E )
      Scale of the orebody observed;
                                      extension to strike-side
                                       extension to dip-side
                                                                   0.5
                                                                        m
                                      width
                                                                   0.3
                                                                        m
     Shape of the orebody;
                                      lenticular
     Chromite banding around the
12.
          orebody:
                                      strike N 10°E dip 80°E
13.
     Fault around the orebody:
                                      not observed
14.
     Ore:
          Type of the ore;
          Ore minerals;
                                      chromite
                                      serpentine, magnesite, stichtite
          Gangue minerals:
          Grade of the ore;
                                      macroscopic estimation.
     The largest scale of the
15.
                                      extension to strike-side
                                                                   0.5
                                                                        m
          orebody estimated:
                                      extension to dip-side
                                                                   0.5
                                                                        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:
19.
     Relation to the other trenches
          and galleries:
                                      TC-2,5
     Laboratorical tests:
20.
                                      X-ray diffractive analysis (Cx-2)
21.
     Remarks:
                                      no sketch map
```