

APPENDIX 7

List of trenches and galleries

name of the area : (2,000, 10,000, 25,000) shows the geological map 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

TA-1 : not operated in 1978

- : none

* : uncertain

★ : not recorded

() : small in amount

List of trenches and galleries

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		
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 15°E dip *		
		(Direction of the ore zone ; N 30°E)		
	Scale of the orebody observed ;	extension to strike-side 140 m		
		extension to dip-side 30 m		
		width 120 m		
	Shape of the orebody ;	lenticular 9 trenches are observed in magnesite (with dolomite) 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 ;	magnesite		
	Gangue minerals ;	serpentine, dolomite		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side * m		
		extension to dip-side * m		
		width * m		
16.	Volume of the trench estimated :	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.	Laboratorial tests :	thin section (A-91)		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1.	Number of trench :	TA-2
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.2
5.	Coordinates :	23.20 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 Çayırılı Erzincan, 20 minutes from Kelvezikomu on foot
9.	Type etc. :	pit for exploration
10.	Host rock :	strongly serpentized harzburgite
11.	Orebody :	
	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 observed
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 orebody estimated :	extension to strike-side 2.4 m extension to dip-side 0.7 m width 0.2 m
16.	Volume of the trench estimated :	2.5 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.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

1.	Number of trench :	TA-3 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdag ^v		
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 Çayırılı 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 orebody estimated :	extension to strike-side	*	m
		extension to dip-side	*	m
		width	*	m
16.	Volume of the trench estimated :		*	m ³
17.	The largest amount of the ore estimated which is taken from the trench :		*	ton
18.	Amount of stock of the ore ;	*		
19.	Relation to the other trenches and galleries :	TA-2,4		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1.	Number of trench :	TA-4	(not surveyed in detail)
2.	Project No. :	78/26	
3.	Area :	Kopdag	
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 Çayırılı, Erzincan, 20 minutes from Kelvezikomu 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 orebody estimated :	extension to strike-side	* m
		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	

List of trenches and galleries

1.	Number of trench :	TA-5
2.	Project No. :	78/26
3.	Area :	Kopdağ
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 :	Baltadeğmez (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.	Host rock :	serpentine (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 (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 orebody disseminates into the host rock
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
	Gangue minerals	serpentine, magnesite, stichtite
	Grade of the ore ;	macroscopic estimation, 30 - 40 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 6 m 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.	Laboratorial tests :	X-ray diffractive analysis (A-121)
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

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 :	Baltadeğmez Sr., Cancıkkomu, Aşkale, Erzurum, 45 minutes from Sıçankale Y., by car
9.	Type etc. :	trench for exploitation
10.	Host rock :	strongly serpentized dunite and serpen- tinite (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
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
15.	The largest scale of the orebody estimated :	extension to strike-side 20 m extension to dip-side 3 m width 1.5 m
16.	Volume of the trench estimated :	330 m ³
17.	The largest amount of the ore estimated which is taken from the trench :	315 ton
18.	Amount of stock of the ore :	very small
19.	Relation to the other trenches and galleries :	TA-5, 7, 8, 9
20.	Laboratorial tests :	X-ray diffractive analysis (Acr-97)
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

1.	Number of trench :	TA-7
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.2
5.	Coordinates :	23.19 N, 04.14 E
6.	Altitude :	1,955 m
7.	Name of the mine :	Baltadeğmez (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.	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 * dip *
		(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
		width 0.09 m
	Shape of the orebody ;	lenticular
		Orebody disseminates into the host rock
12.	Chromite banding around the 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 orebody estimated :	extension to strike-side 7 m
		extension to dip-side 1.2 m
		width 1 m
16.	Volume of the trench estimated :	55 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 :	-
19.	Relation to the other trenches and galleries :	TA-5,6,8,9
20.	Laboratorical tests :	-
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

1.	Number of trench :	TA-8
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.2
5.	Coordinates :	23.20 N, 04.12 E
6.	Altitude :	1,955 m
7.	Name of the mine :	Baltadeğmez (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.	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 * 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 ;	disseminated, banded, powdery
	Ore minerals ;	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 from the trench :	45 ton
18.	Amount of stock of the ore :	-
19.	Relation to the other trenches and galleries :	TA-5,6,7,9
20.	Laboratorical tests :	-
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

1. Number of trench :	TA-9		
2. Project No. :	78/26		
3. Area :	Kopdağ		
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)		
8. Location and communication :	Baltadeğmez Sr. , Cancıkkomu, Aşkale, Erzurum, 45 minutes from Sığankale Y. , by car		
9. Type etc. :	trench or pit for exploration, covered by soil completely		
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 ; 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 orebody estimated :	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 :	< 1 ton		
18. Amount of stock of the ore :	-		
19. Relation to the other trenches and galleries :	TA-5,6,7,8		
20. Laboratorial tests :	-		
21. Remarks :	refer Plate 7-6		

List of trenches and galleries

1.	Number of trench :	TA-10
2.	Project No. :	78/26
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 :	Dikyokuş (2,000) (northern chrome zone)
8.	Location and communication :	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 serpen- tinite
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)
	Amount of the orebody ;	1
	Direction of the orebody ;	strike N 85° E dip 32° N (Direction of the ore zone ; N 85° W)
	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% Cr ₂ O ₃ (disseminated massive) analytical value, 19.49% Cr ₂ O ₃ from the outcrop, random sample
15.	The largest scale of the orebody estimated :	extension to strike-side 9 m extension to dip-side 2 m width 0.8 m
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 and galleries :	TB-4,5
20.	Laboratorial tests :	polished section (Acr-12) chemical analysis of
21.	Remarks :	refer Plate 7-6 the ore (Acr-13)

List of trenches and galleries

1. Number of trench :	TA-11
2. Project No. :	78/26
3. Area :	Kopdağ
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 :	Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 80 minutes from Sığankale 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 25° E dip 16° -- 20° W (Direction of the ore zone ; N 10° E)
Scale of the orebody observed ;	extension to strike-side * m 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 orebody estimated :	extension to strike-side 1.8 m extension to dip-side 1 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 :	0.4 ton (50 % Cr ₂ O ₃ estimated)
19. Relation to the other trenches and galleries :	TA-12,13,14,15,16
20. Laboratorial tests :	polished section (Acr-7)
21. Remarks :	refer Plate 7-5

List of trenches and galleries

1.	Number of trench :	TA-12
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.2
5.	Coordinates :	24.33 N, 05.22 E
6.	Altitude :	2,195 m
7.	Name of the mine :	Pembe Gül (2,000) (northern chrome zone)
8.	Location and communication :	Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 80 minutes from Sığankale 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 5° E dip 40° W (Direction of the ore zone ; N 10° E)
	Scale of the orebody observed ;	extension to strike-side * m extension to dip-side * m width >0.15 m
	Shape of the orebody ;	
12.	Chromite banding around the orebody :	not observed
13.	Fault around the orebody :	assumed, strike N 45° W dip*
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 orebody estimated :	extension to strike-side 2 m extension to dip-side 1.2 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 :	refer TA-11
19.	Relation to the other trenches and galleries :	TA-11,13,14,15,16
20.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-5

List of trenches and galleries

1.	Number of trench :	TA-13
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.2
5.	Coordinates :	24.35 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 :	Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 80 minutes from Sığankale 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 * m extension to dip-side * m width > 0.16 m
	Shape of the orebody ;	lenticular
12.	Chromite banding around the orebody :	not observed
13.	Fault around the orebody :	assumed, strike N45° W dip *
14.	Ore :	
	Type of the ore ;	massive, disseminated, powdery
	Ore minerals ;	chromite (uvarovite)
	Grade of the ore ;	macroscopic estimation, 40 - 45 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 1.6 m extension to dip-side 1.2 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-11,12,14,15,16
20.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-5

List of trenches and galleries

1. Number of trench :	TA-14 (not surveyed in detail)
2. Project No. :	78/26
3. Area :	Kopdağ
4. Map No. :	Erzincan, i-44, a2, No.2
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)
8. Location and communication :	Keşan Tepe, Cancıkkomu Aşkale, Erzurum, 90 minutes from Sıçankale Y., onfoot and by car
9. Type etc. :	pit for exploration, covered by soil comple- tely
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
	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 orebody estimated :	extension to strike-side 0.8 m
	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. Laboratorial tests :	-
21. Remarks :	refer Plate 7-5

List of trenches and galleries

1. Number of trench :	TA-15
2. Project No. :	78/26
3. Area :	Kopdağ
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 Sığankale 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 48°E dip 38°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 0.55 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 ;	macroscopic estimation, 40 - 45 % Cr ₂ O ₃ analytical value, 40.35% Cr ₂ O ₃ from the out- crop, random sample
15. The largest scale of the orebody estimated :	extension to strike-side 0.8 m extension to dip-side 0.5 m width 0.6 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-11,12,13,14,16
20. Laboratorial tests :	chemical analysis of the ore (Acr-9)
21. Remarks :	refer Plate 7-5

List of trenches and galleries

1. Number of trench :	TA-16 (not surveyed in detail)
2. Project No. :	78/26
3. Area :	Kopdağ
4. Map No. :	Erzincan, i-44, a2, No.2
5. 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 Sığankale 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
	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
Grade of the ore ;	macroscopic estimation, *
15. The largest scale of the orebody estimated :	extension to strike-side 0.6 m
	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

List of trenches and galleries

- | | | |
|-----|--|--|
| 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 Sıçankale Y., on foot and
by car |
| 9. | Type etc. : | trench for exploration |
| 10. | Host rock : | serpentinite (powdery) |
| 11. | Orebody : | |
| | Stratigraphic horizon in
ultrabasic rocks ; | upper horizon (footwall-side orebody) |
| | Amount of the orebody ; | 1 |
| | Direction of the orebody ; | strike N 20° - 38° E dip 28° - 72° NW
(Direction of the ore zone ; *) |
| | Scale of the orebody observed ; | extension to strike-side 6 m
extension to dip-side 0.5 m
width 1.5 m |
| | Shape of the orebody ; | layered |
| 12. | Chromite banding around the
orebody : | not observed |
| 13. | Fault around the orebody : | strike N 82° E dip 72° N |
| 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 ₂ O ₃ |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 6 m
extension to dip-side 0.5 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 |

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TA-18 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Erzincan, i-44, a2, No.2 |
| 5. | 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. | Host rock : | strongly serpentized dunite |
| 11. | Orebody : | |
| | Stratigraphic horizon in
ultrabasic rocks ; | upper horizon (hangingwall-side orebody) |
| | Amount of the orebody ; | 1 |
| | Direction of the orebody ; | strike E dip 90°
(Direction of the ore zone ; N 65° E) |
| | Scale of the orebody observed ; | extension to strike-side 3.5 m
extension to dip-side 1.6 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, 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
outcrop, random sample |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 15 m
extension to dip-side 2.5 m
width 2.5 m |
| 16. | Volume of the trench estimated : | 300 m ³ |
| 17. | The largest amount of the ore
estimated which is taken
from the trench : | 315 ton |
| 18. | Amount of stock of the ore : | 30 ton (25 - 35 % Cr ₂ O ₃ estimated) |
| 19. | Relation to the other trenches
and galleries : | TB-1,2 |
| 20. | Laboratorial tests : | chemical analysis of the ore (Acr-3) |
| 21. | Remarks : | refer Plate 7-5 |

List of trenches and galleries

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 :	Kaynıdıdere, Hacıbektaşkomu, Çayırılı, Erzincan, 20 minutes from Hacıbektaşkomu on foot and by jeep
9.	Type etc. :	trench for exploitation
10.	Host rock :	strongly serpentized dunite and serpen- tinite (powdery)
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon
	Amount of the orebody ;	1
	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 * m extension to dip-side 0.5 m width 0.15 m
	Shape of the orebody ;	lenticular, network Orebody 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)
	Grade of the ore ;	macroscopic estimation, 35 - 40 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 11 m 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.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

1.	Number of trench :	TA-20
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	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 :	Kaynıdıere, Hacıbektaşkomu, Çayırılı Erzincan, 20 minutes from Hacıbektaşkomu on foot and by jeep
9.	Type etc. :	trench for exploitation
10.	Host rock :	strongly serpentized dunite and serpenti- nite (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.	Fault around the orebody :	strike N80°E, N30°-45°E dip 60°S, 60°-90°NW (in turn)
14.	Ore :	
	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 orebody estimated :	extension to strike-side 11 m extension to dip-side 1.5 m width 1.5 m
16.	Volume of the trench estimated :	75 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

List of trenches and galleries

1.	Number of trench :	TA-21	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzincan, i-44, a2, No.1	
5.	Coordinates :	21.67N, 99.17 E	
6.	Altitude :	1,708 m	
7.	Name of the mine :	Hacıbektaşkomu (10,000)	
8.	Location and communication :	Kaynıldere, Hacıbektaşkomu, Çayırılı, 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 ;	1	
	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 m
		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 ₂ O ₃	
15.	The largest scale of the orebody estimated :	extension to strike-side	4 m
		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	

List of trenches and galleries

1.	Number of trench :	TA-22
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.1
5.	Coordinates :	21.68 N, 99.15 E
6.	Altitude :	1,708 m
7.	Name of the mine :	Hacıbektaşkomu (10,000)
8.	Location and communication :	Kayınılıdere, Hacıbektaşkomu, Çayırılı, 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 ;	1 - 2
	Direction of the orebody ;	strike N 10° W, N 70° W dip 65° W, 65° N (in turn) (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 ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 8 m 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.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

- | | | | |
|-----|--|---|-------------------|
| 1. | Number of trench : | TA-23 | |
| 2. | Project No. : | 78/26 | |
| 3. | Area : | Kopdag ^v | |
| 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 : | Kayınlidere, Hacıbektaşkomu, Çayırılı,
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 ; | 1 | |
| | 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 | 2 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 | |
| 13. | Fault around the orebody : | 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 ₂ O ₃ | |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side | 3.5 m |
| | | extension to dip-side | 1 m |
| | | width | 0.2 m |
| 16. | Volume of the trench estimated : | 10 m ³ | |
| 17. | The largest amount of the ore
estimated which is taken
from the trench : | 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. | Laboratorial tests : | - | |
| 21. | Remarks : | refer Plate 7-6 | |

List of trenches and galleries

1.	Number of trench :	TA-24 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, a2, No.1		
5.	Coordinates :	21.63 N, 99.12 E		
6.	Altitude :	1,706 m		
7.	Name of the mine :	Hacıbektaşkomu (10,000)		
8.	Location and communication :	Kayınılıdere, Hacıbektaşkomu, Çayırılı, 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 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 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 orebody estimated :	extension to strike-side * m		
		extension to dip-side * m		
		width * m		
16.	Volume of the trench estimated :	5 m ³		
17.	The largest amount of the ore estimated which is taken from the trench :	* ton		
18.	Amount of stock of the ore :	-		
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		

List of trenches and galleries

1.	Number of trench :	TA-25 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ ^v		
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, Çayırılı, 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		
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 . orebody estimated :	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 and galleries :	TA-19, 20, 21, 22, 23, 24, TB-7		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1.	Number of trench :	TA-26
2.	Project No. :	78/26
3.	Area :	Kopdağ
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, Çayırılı Erzincan, 15 minutes from Hacıbektaşkomu on foot
9.	Type etc. :	pit for exploration
10.	Host rock :	serpentinized harzburgite
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon
	Amount of the orebody ;	1
	Direction of the orebody ;	strike N 40° E dip 55° NW (Direction of the ore zone ; N 55° W)
	Scale of the orebody observed ;	extension to strike-side * m extension to dip-side * m width * m
	Shape of the orebody ;	layered
12.	Chromite banding around the orebody :	strike N 40° E dip 55° NW
13.	Fault around the orebody :	not observed
14.	Ore :	
	Type of the ore ;	disseminated
	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 orebody estimated :	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 and galleries :	TA-27, 28, TB-6
20.	Laboratorical tests :	-
21.	Remarks :	refer Plate 7-6

List of trenches and galleries

- | | | | |
|-----|--|---|--------|
| 1. | Number of trench : | TA-27 | |
| 2. | Project No. : | 78/26 | |
| 3. | Area : | Kopdağ | |
| 4. | Map No. : | Erzincan, i-44, a2, No.1 | |
| 5. | Coordinates : | 21.54 N, 99.49 E | |
| 6. | Altitude : | 1,745 m | |
| 7. | Name of the mine : | Hacıbektaşkomu (10,000) | |
| 8. | Location and communication : | Hacıbektaşkomu, Çayırılı, Erzincan,
15 minutes from Hacıbektaşkomu on foot | |
| 9. | Type etc. : | trench for exploration, covered by soil in
part (3 trenches are defined) | |
| 10. | Host rock : | serpentinized harzburgite | |
| 11. | Orebody : | Stratigraphic horizon in
ultrabasic rocks ; 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. | Fault around the orebody : | not observed | |
| 14. | Ore : | disseminated, banded | |
| | Type of the ore ; | chromite | |
| | Ore minerals ; | serpentine | |
| | Gangue minerals ; | | |
| | Grade of the ore ; | macroscopic estimation, very low-grade | |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side | * m |
| | | extension to dip-side | * m |
| | | width | * m |
| 16. | Volume of the trench estimated : | < 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-26, 28, TB-6 | |
| 20. | Laboratorial tests : | - | |
| 21. | Remarks : | refer Plate 7-6 | |

List of trenches and galleries

1.	Number of trench :	TA-28	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzincan, i-44, a2, No.1	
5.	Coordinates :	21.52 N,	99.50 E
6.	Altitude :	1,770 m	
7.	Name of the mine :	Hacıbektaşkomu (10,000)	
8.	Location and communication :	Hacıbektaşkomu, Çayırılı, Erzincan, 20 minutes from Hacıbektaşkomu on foot	
9.	Type etc. :	trench for exploration	
10.	Host rock :	serpentinized harzburgite	
11.	Orebody :		
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon	
	Amount of the orebody ;	1 2	
	Direction of the orebody ;	strike N40° E, 75° E dip 70° NW, 40° N (in turn) (Direction of the ore zone ; N 55° W)	
	Scale of the orebody observed ;	extension to strike-side	0.5 m
		extension to dip-side	* m
		width	0.45 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 ;	disseminated	
	Ore minerals ;	chromite (uvarovite)	
	Grade of the ore ;	macroscopic estimation,	very low-grade
15.	The largest scale of the orebody estimated :	extension to strike-side	4 m
		extension to dip-side	1.2 m
		width	0.6 m
16.	Volume of the trench estimated :	6 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 :	-	
19.	Relation to the other trenches and galleries :	TA-26, 27, TB-6	
20.	Laboratorical tests :	-	
21.	Remarks :	refer Plate 7-6	

List of trenches and galleries

- | | | |
|-----|--|---|
| 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, Çayırılı,
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 ; | 1 |
| | Direction of the orebody ; | strike N 80° E dip 60° N
(Direction of the ore zone ; N 75° E) |
| | Scale of the orebody observed ; | extension to strike-side 5.5 m
extension to dip-side 0.5 m
width 0.3 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 ; | 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
orebody estimated : | extension to strike-side 7 m
extension to dip-side 0.5 m
width 0.5 m |
| 16. | Volume of the trench estimated : | 4 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 : | TA-30,31,32,32A,32B |
| 20. | Laboratorial tests : | - |
| 21. | Remarks : | refer Plate 7-7 |

List of trenches and galleries

1.	Number of trench :	TA-30	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
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, Çayırılı, 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 ;	1	
	Direction of the orebody ;	strike N 65° E dip 75° N (Direction of the ore zone ; N 75° E)	
	Scale of the orebody observed ;	extension to strike-side * m 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 orebody estimated :	extension to strike-side 5 m extension to dip-side 0.5 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 and galleries :	TA-29,31,32,32A,32B	
20.	Laboratorical tests :	-	
21.	Remarks :	refer Plate 7-7	

List of trenches and galleries

1.	Number of trench :	TA-31
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.4
5.	Coordinates :	19.19 N, 00.14 E
6.	Altitude :	1,570 m
7.	Name of the mine :	Mağaradere (25,000) (southern chrome zone)
8.	Location and communication :	Kemsakal Sr. , Karaali komu, Çayırılı, 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 :	
	Type of the ore ;	massive, disseminated
	Ore minerals ;	chromite (uvarovite)
	Grade of the ore ;	macroscopic estimation, > 40 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side * m
		extension to dip-side * m
		width * m
16.	Volume of the trench estimated :	4 m ³
17.	The largest amount of the ore estimated which is taken from the trench :	*
18.	Amount of stock of the ore :	0.3 ton (40 % Cr ₂ O ₃ estimated)
19.	Relation to the other trenches and galleries :	TA-29,30,32,32A,32B
20.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-7

List of trenches and galleries

1.	Number of trench :	TA-32
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.4
5.	Coordinates :	19.31 N, 00.52 E
6.	Altitude :	1,555 m
7.	Name of the mine :	Mağaradere (25,000) (southern chrome zone)
8.	Location and communication :	Kemsakal Sr., Karaali komu, Çayırılı, Erzincan, 30 minutes from Erbaş station 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 orebody estimated :	extension to strike-side 11.5 m 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 and galleries :	TA-29, 30, 31, 32A, 32B
20.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-7

List of trenches and galleries

1.	Number of trench :	TA-32A		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
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 :	Mağaradere (25,000) (southern chrome zone)		
8.	Location and communication :	Kemsakal Sr. , Karaali komu, Çayırılı, 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 orebody estimated :	extension to strike-side	5.5 m	
		extension to dip-side	0.5 m	
		width	0.4 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.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-7		

List of trenches and galleries

1.	Number of trench :	TA-32B (not surveyed in detail)
2.	Project No. :	78/26
3.	Area :	Kopdağ
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 :	Mağaradere (25,000) (southern chrome zone)
8.	Location and communication :	Kemsakal Sr. , Karaali komu Çayırılı, Erzincan, 30 minutes from Erbaş station on foot and by jeep
9.	Type etc. :	trench for exploration
10.	Host rock :	silicified, serpentized dunite
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon
	Amount of the orebody ;	1
	Direction of the orebody ;	strike N 70° W dip 63° N (Direction of the ore zone ; N 75° E)
	Scale of the orebody observed ;	extension to strike-side 4 m extension to dip-side * m width 0.1 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
	Grade of the ore ;	macroscopic estimation, < 20 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 4 m 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 and galleries :	TA-29,30,31,32,32A
20.	Laboratorial tests :	-
21.	Remarks :	no sketch map.

List of trenches and galleries

- | | | |
|-----|--|---|
| 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 : | Kârhanekomu (25,000) (southern chrome zone) |
| 8. | Location and communication : | Killikdere, Kârhanekomu Tercan, Erzurum
20 minutes from Kârhanekomu on foot and
by jeep |
| 9. | Type etc. : | trench for exploration |
| 10. | Host rock : | strongly serpentized 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
orebody estimated : | extension to strike-side 14 m
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 |

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TA-34 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 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, Cancikkomu, 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 |
| | | width * m |
| | Shape of the orebody ; | lenticular, network. Orebody coexist with
carbonate rock (dolomite). Lenticular carbonate
body is much found. |
| 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, magnetite, dolomite (abundant) |
| | Grade of the ore ; | macroscopic estimation, 20 - 40 % Cr ₂ O ₃ |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 10 m |
| | | extension to dip-side 3 m |
| | | width 1 m |
| 16. | Volume of the trench estimated : | 85 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 % Cr ₂ 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 |

List of trenches and galleries

- | | | |
|-----|--|--|
| 1. | Number of trench : | TA-35 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Erzincan, i-44, a2, No.2 |
| 5. | Coordinates : | 21.60 N, 05.48 E |
| 6. | Altitude : | 1,675 m |
| 7. | Name of the mine : | Cancıkkomu (10,000) (southern chrome zone) |
| 8. | Location and communication : | Taşocağı Tepe, Cancıkkomu, Aşkale,
Erzurum, 45 minutes from Sığankale Y.,
by jeep |
| 9. | Type etc. : | trench for exploration |
| 10. | Host rock : | lateritic serpentinite from harzburgite |
| 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 25° W) |
| | Scale of the orebody observed ; | extension to strike-side 0.2 m |
| | | extension to dip-side 0.15 m |
| | | width 0.1 m |
| | Shape of the orebody ; | network. Chromite is found in carbonate
rock (dolomite). Lenticular carbonate is
much found. |
| 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, dolomite (abundant) |
| | Grade of the ore ; | macroscopic estimation, 20 - 40 % Cr ₂ O ₃ |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 2 m |
| | | extension to dip-side 0.6 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 : | TA-34, TB-11 |
| 20. | Laboratorial tests : | thin section (A-48) |
| 21. | Remarks : | refer Plate 7-6 |

List of trenches and galleries

1.	Number of trench :	TA-36		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
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 orebody estimated :	extension to strike-side 7 m		
		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-36~41, 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		

List of trenches and galleries

1.	Number of trench :	TA-37 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
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 pit for exploration, covered by soil completely		
9.	Type etc. :	*		
10.	Host rock :	*		
11.	Orebody :	*		
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike	*	dip *
		(Direction of the ore zone ; N 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 ;	*		
	Ore minerals ;	*		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side	1.6	m
		extension to dip-side	0.3	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 and galleries :	TA-36,38,39,40,41, TB-12		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1. Number of trench :	TA-38 (not surveyed in detail)		
2. Project No. :	78/26		
3. Area :	Kopdağ		
4. Map No. :	Erzincan, i-44, a2, No.3		
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 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 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 orebody estimated :	extension to strike-side	4 m	
	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 :		10 ton	
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		

List of trenches and galleries

1.	Number of trench :	TA-39	(not surveyed in detail)
2.	Project No. :	78/26	
3.	Area :	Kopdag	
4.	Map No. :	Erzincan, i-44, a2, No.3	
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 İstasyon, Tercan, Erzincan, 20 minutes from Erbaş station on foot across Karasu	
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	* 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 orebody estimated :	extension to strike-side	1 m
		extension to dip-side	0.3 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 :	0.1 ton (45 % Cr ₂ O ₃)	
19.	Relation to the other trenches and galleries :	TA-36,37,38,40,41, TB-12	
20.	Laboratorial tests :	-	
21.	Remarks :	refer Plate 7-6	

List of trenches and galleries

1.	Number of trench :	TA-40 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, 1-44, a2, No.3		
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 İstasyon, Tercan, Erzincan, 20 minutes from Erbaş station on foot across Karasu		
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	*	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 ;	*		
	Ore minerals ;	*		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side	2	m
		extension to dip-side	0.3	m
		width	0.8	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-36,37,38,39,41, TB-12		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1.	Number of trench :	TA-41 (not surveyed in detail)		
2.	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 :			
	Type of the ore ;	*		
	Ore minerals ;	*		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side 12 m		
		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 :	80 ton		
18.	Amount of stock of the ore :	-		
19.	Relation to the other trenches and galleries :	TA-36, 37, 38, 39, 40, TB-12		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TA-42 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdag ^v |
| 4. | Map No. : | Tortum, 'H-45, d4, No.4 |
| 5. | Coordinates : | 32.90 N, 31.91 E |
| 6. | Altitude : | 2,445 m |
| 7. | Name of the mine : | Orta Tepe (25,000) (east Kop chrome zone) |
| 8. | Location 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 : | |
| | Stratigraphic horizon in ultrabasic rocks ; | middle horizon |
| | Amount of the orebody ; | 1 |
| | Direction of the orebody ; | strike N 62° E* dip 66° N* |
| | | (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 : | |
| | Type of the ore ; | disseminated, banded, nodule |
| | Ore minerals ; | chromite |
| | Grade of the ore ; | macroscopic estimation, 15 - 25 % Cr ₂ O ₃ |
| 15. | The largest scale of the orebody estimated : | extension to strike-side 5.5 m |
| | | 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 estimated which is taken from the trench : | 20 ton |
| 18. | Amount of stock of the ore : | 30 ton (20 - 30 % Cr ₂ O ₃ , taken from trenches TA42-46) |
| 19. | Relation to the other trenches and galleries : | TA-43,44,45,46 |
| 20. | Laboratorial tests : | thin section (Acr-79) polished section (Acr-80) |
| 21. | Remarks : | refer Plate 7-7 |

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TA-43 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Tortum, H-45, d4, No.4 |
| 5. | Coordinates : | 32.89 N, 31.90 E |
| 6. | Altitude : | 2,444 m |
| 7. | Name of the mine : | Orta Tepe (25,000) (east Kop chrome zone) |
| 8. | Location 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 : | |
| | Stratigraphic horizon in ultrabasic rocks ; | middle horizon |
| | Amount of the orebody ; | 1 |
| | 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. | Fault around the orebody : | not observed |
| 14. | Ore : | |
| | Type of the ore ; | disseminated, banded |
| | Ore minerals ; | chromite |
| | Grade of the ore ; | macroscopic estimation, 15 - 25 % Cr ₂ O 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. | Volume of the trench estimated : | 4 m ³ |
| 17. | The largest amount of the ore estimated which is taken from the trench : | 7 ton |
| 18. | Amount of stock of the ore : | - |
| 19. | Relation to the other trenches and galleries : | TA-42,44,45,46 |
| 20. | Laboratorical tests : | - |
| 21. | Remarks : | refer Plate 7-7 |

List of trenches and galleries

1.	Number of trench :	TA-44 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Tortum, H-45, d4, No.4		
5.	Coordinates :	32.88 N, 31.90 E		
6.	Altitude :	2,444 m		
7.	Name of the mine :	Orta Tepe (25,000) (east Kop chrome zone)		
8.	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	*	dip *
		(Direction of the ore zone ; N 32° 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 orebody estimated :	extension to strike-side	0.4	m
		extension to dip-side	0.2	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-42,43,45,46		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-7		

List of trenches and galleries

1.	Number of trench :	TA-45 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ ^v		
4.	Map No. :	Tortum, H-45, d4, No.4		
5.	Coordinates :	32.88 N, 31.90 E		
6.	Altitude :	2,443 m		
7.	Name of the mine :	Orta Tepe (25,000) (east Kop chrome zone)		
8.	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 * dip *		
		(Direction of the ore zone ; N 32° 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 orebody estimated :	extension to strike-side 0.7 m		
		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 and galleries :	TA-42,43,44,46		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-7		

List of trenches and galleries

- | | | |
|-----|--|---|
| 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. | Name of the mine : | Orta Tepe (25,000) (east Kop chrome zone) |
| 8. | Location and communication : | Orta Tepe, Dencik Aşkale, Erzurum,
35 minutes from Pırnakapan by car |
| 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 30°W dip 62°SW
(Direction of the ore zone ; N 32° E) |
| | Scale of the orebody observed ; | extension to strike-side 2 m
extension to dip-side 0.2 m
width 0.1 m |
| | Shape of the orebody ; | lenticular. Massive, lenticular orebody has sharp fault contact to the host rock |
| 12. | Chromite banding around the orebody : | not observed |
| 13. | Fault around the orebody : | along the hangingwall of the orebody. |
| 14. | Ore : | |
| | Type of the ore ; | massive, disseminated |
| | Ore minerals ; | chromite |
| | Grade of the ore ; | macroscopic estimation, 10 – 35 % Cr ₂ O ₃ |
| 15. | The largest scale of the orebody estimated : | extension to strike-side 7.5 m
extension to dip-side 0.5 m
width 0.4 m |
| 16. | Volume of the trench estimated : | 5 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 : | - |
| 19. | Relation to the other trenches and galleries : | TA-42,43,44,45 |
| 20. | Laboratorial tests : | - |
| 21. | Remarks : | refer Plate 7-7 |

List of trenches and galleries

1. Number of trench :	TA-47
2. Project No. :	78/26
3. Area :	Kopdağ
4. Map No. :	Erzurum, i-45, a1, 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)
8. Location and communication :	Kurudere, Pırnakapan, Aşkale, Erzurum, 20 minutes from Pırnakapan on foot and by car
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 *
Scale of the orebody observed ;	(Direction of the ore zone ; N 70° W)
	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. Ore :	
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 orebody estimated :	extension to strike-side * m
	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 % Cr ₂ 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. Laboratorial tests :	thin section (Acr-85)
21. Remarks :	refer Plate 7-8

List of trenches and galleries

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

List of trenches and galleries

1.	Number of trench :	TA-49
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzurum, i-45, a1, No.1
5.	Coordinates :	27.83 N, 33.60 E
6.	Altitude :	1,857 m
7.	Name of the mine :	Pırnakapan (25,000) (east Kop chrome zone)
8.	Location and communication :	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 *
	Scale of the orebody observed ;	(Direction of the ore zone ; N 70° W)
		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 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 orebody estimated :	extension to strike-side 30 m
		extension to dip-side 3.5 m
		width 1.2 m
16.	Volume of the trench estimated :	730 m ³
17.	The largest amount of the ore estimated which is taken from the trench :	(Length of the gallery 19.5 m) 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

List of trenches and galleries

1.	Number of trench :	TA-50
2.	Project No. :	78/26
3.	Area :	Kopdag ^v
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 :	Pırnakapan (25,000) (east Kop chrome zone)
8.	Location and communication :	Kurudere, Pırnakapan, Aşkale, Erzurum, 20 minutes from Pırnakapan 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 orebody estimated :	extension to strike-side 3.2 m 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 and galleries :	TA-47,48,49,50(A),50(B)
20.	Laboratorical tests :	polished section (Acr-86)
21.	Remarks :	refer Plate 7-8

List of trenches and galleries

- | | | |
|-----|--|--|
| 1. | Number of trench : | TA-50(A) (not surveyed in detail) |
| 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) |
| 8. | Location and communication : | Kurudere, Pirnakapan, Aşkale, Erzurum,
20 minutes from Pirnakapan on foot and by
car |
| 9. | Type etc. : | trench for exploration |
| 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
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
orebody estimated : | extension to strike-side - m
extension to dip-side - m
width - m |
| 16. | Volume of the trench estimated : | 4 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-47,48,49,50,50(B) |
| 20. | Laboratorical tests : | - |
| 21. | Remarks : | refer Plate 7-8 |

List of trenches and galleries

1.	Number of trench :	TA-50(B)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzurum, 1-45, a1, No.1		
5.	Coordinates :	27.74 N, 33.65 E		
6.	Altitude :	1,876 m		
7.	Name of the mine :	Pırnakapan (25,000) (east Kop chrome zone)		
8.	Location and communication :	Kurudere, Pırnakapan, Aşkale, Erzurum, 20 minutes from Pırnakapan on foot and by car		
9.	Type etc. :	trench for exploration		
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 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 orebody estimated :	extension to strike-side - m		
		extension to dip-side - m		
		width - m		
16.	Volume of the trench estimated :		5	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-47,48,49,50,50(A)		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-8		

List of trenches and galleries

- | | | |
|-----|--|--|
| 1. | Number of trench : | TB-1 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdag ^v |
| 4. | Map No. : | Erzincan, i-44, a2, No.2 |
| 5. | Coordinates : | 26.24 N, 06.40 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, 40 minutes from Sıçankale Y.,
by jeep |
| 9. | Type etc. : | trench for exploitation |
| 10. | Host rock : | strongly serpentized dunite, serpentinite |
| 11. | Orebody : | |
| | Stratigraphic horizon in
ultrabasic rocks ; | upper horizon (hangingwall-side orebody) |
| | Amount of the orebody ; | * |
| | Direction of the orebody ; | strike * dip *
(Direction of the ore zone ; 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 ; | massive, brecciated (disseminated) |
| | Ore minerals ; | chromite |
| | Grade of the ore ; | 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. | Volume of the trench estimated : | 590 m ³ |
| 17. | The largest amount of the ore
estimated which is taken
from the trench : | 110 ton |
| 18. | Amount of stock of the ore : | 2.6 ton |
| 19. | Relation to the other trenches
and galleries : | TB-2, TA-18 |
| 20. | Laboratorial tests : | chemical analysis of the ore (Bcr-1) |
| 21. | Remarks : | refer Plate 7-5 |

List of trenches and galleries

1.	Number of trench :	TB-2	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
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 serpentized dunite	
11.	Orebody :		
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)	
	Amount of the orebody ;	1	
	Direction of the orebody ;	strike N 70° E dip 50° SE (Direction of the ore zone ; N 65° E)	
	Scale of the orebody observed ;	extension to strike-side	5 m
		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, brecciated (disseminated)	
	Ore minerals ;	chromite	
	Grade of the ore ;	macroscopic estimation,	40 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side	10 m
		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	

List of trenches and galleries

1.	Number of trench :	TB-3
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, a2, No.2
5.	Coordinates :	24.10 N, 04.09 E
6.	Altitude :	2,115 m
7.	Name of the mine :	Pembe Gül (2,000) (northern chrome zone)
8.	Location and communication :	Keşandere, Cancıkkomu Aşkale, Erzurum, 60 minutes from Sığankale Y., on foot and by car
9.	Type etc. :	trench for exploration
10.	Host rock :	serpentinite (powdery)
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon
	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 orebody ;	not observed
13.	Fault around the orebody :	not observed
14.	Ore :	
	Type of the ore ;	massive, powdery
	Ore minerals ;	chromite
	Grade of the ore ;	macroscopic estimation, 30 - 40 % Cr ₂ O ₃
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.	Volume of the trench estimated :	2 m ³
17.	The largest amount of the ore estimated which is taken from the trench :	1 ton
18.	Amount of stock of the ore :	0.8 ton
19.	Relation to the other trenches and galleries :	TM-3,4
20.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-5

List of trenches and galleries

1.	Number of trench :	TB-4		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, a2, No.2		
5.	Coordinates :	23.90 N,	04.00 E	
6.	Altitude :	2,030 m		
7.	Name of the mine :	Dikyokuş (10,000) (northern chrome zone)		
8.	Location and communication :	Baltadeğmezdere, Cancikkomu, Aşkale Erzurum, 60 minutes from Sıçankale Y., on foot and by car		
9.	Type etc. :	pit for exploration		
10.	Host rock :	serpentinized dunite, serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)		
	Amount of the orebody ;	1 *		
	Direction of the orebody ;	strike	*	dip *
		(Direction of the ore zone ; N 85° W)		
	Scale of the orebody observed ;	extension to strike-side	*	m
		extension to dip-side	*	m
		width	*	m
	Shape of the orebody ;	*		
12.	Chromite banding around the orebody :	strike N 70° W dip 47° N		
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 orebody estimated :	extension to strike-side	2	m
		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 from the trench :	< 1 ton		
18.	Amount of stock of the ore :	-		
19.	Relation to the other trenches and galleries :	TA-10, TB-5		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1. Number of trench :	TB-5		
2. Project No. :	78/26		
3. Area :	Kopdağ		
4. Map No. :	Erzincan, i-44, a2, No.2		
5. Coordinates :	23.87 N, 03.93 E		
6. Altitude :	2,010 m		
7. Name of the mine :	Dikyokuş (10,000) (northern chrome zone)		
8. Location and communication :	Baltadeğmezdere, Cancıkkomu, Aşkale Erzurum, 60 minutes from Sığankale 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 (hangingwall-side orebody)		
Amount of the orebody ;	1		
Direction of the orebody ;	strike * dip *		
	(Direction of the ore zone ; N 85° W)		
Scale of the orebody observed ;	extension to strike-side * m		
	extension to dip-side * m		
	width * m		
Shape of the orebody ;	*		
12. Chromite banding around the orebody :	strike N 85° W dip 20° S		
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 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 :	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-10, TB-4		
20. Laboratorial tests :	-		
21. Remarks :	refer Plate 7-6		

List of trenches and galleries

1. Number of trench :	TB-6
2. Project No. :	78/26
3. Area :	Kopdağ
4. Map No. :	Erzincan, i-44, a2, No.1
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, Çayırılı, 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 ;	1
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. Fault around the orebody :	not observed
14. Ore :	
Type of the ore ;	disseminated
Ore minerals ;	chromite
Grade of the ore ;	macroscopic estimation, 35 % Cr ₂ O ₃
15. The largest scale of the orebody estimated :	extension to strike-side 3 m
	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. Laboratorial tests :	-
21. Remarks :	refer Plate 7-6

List of trenches and galleries

1.	Number of trench :	TB-7		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44,a2, No.1		
5.	Coordinates :	21.50 N,	98.09	E
6.	Altitude :	1,685 m		
7.	Name of the mine :	Hacıbektaşkumu (10,000)		
8.	Location and communication :	Kale Tepe, Hacıbektaşkumu, Çayırılı Erzincan 20 minutes from Hacıbektaşkumu on foot and by jeep		
9.	Type etc. :	trench for exploration		
10.	Host rock :	serpentinized dunite and 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 ;	*		
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 orebody estimated :	extension to strike-side	2.4	m
		extension to dip-side	0.4	m
		width	0.2	m
16.	Volume of the trench estimated :		4	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-19 - 25		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries.

1.	Number of trench :	TB-8		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, 1-44, a2, No.1		
5.	Coordinates :	22.96 N,	97.79 E	
6.	Altitude :	1,820 m		
7.	Name of the mine :	Kayınlı Tepe (10,000)		
8.	Location and communication :	Kayınlı Tepe, Mirzaoğlu, Çayırılı, Erzincan, 60 minutes from Hacıbektaşkomu on foot		
9.	Type etc. :	pit for exploration		
10.	Host rock :	lateritized, 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° 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		
14.	Ore :			
	Type of the ore ;	massive, disseminated		
	Ore minerals ;	chromite		
	Grade of the ore ;	macroscopic estimation, 35 - 40 % Cr ₂ O ₃		
15.	The largest scale of the orebody estimated :	extension to strike-side	3.3	m
		extension to dip-side	0.6	m
		width	0.3	m
16.	Volume of the trench estimated :		9	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 :	2 ton		
19.	Relation to the other trenches and galleries :	TB-9,10		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

1.	Number of trench :	TB-9	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzincan, i-44, a2, No.1	
5.	Coordinates :	22.93 N, 97.77 E	
6.	Altitude :	1,810 m	
7.	Name of the mine :	Kayınlı Tepe (10,000)	
8.	Location and communication :	Kayınlı Tepe, Mirzaoğlu, Çayırılı, Erzincan, 60 minutes from Hacıbektaşkomu on foot	
9.	Type etc. :	trench for exploration	
10.	Host rock :	lateritized, serpentinized dunite	
11.	Orebody :		
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon	
	Amount of the orebody ;	*	
	Direction of the orebody ;	strike N 65° W dip *	
	Scale of the orebody observed ;	(Direction of the ore zone ; N 60° W)	
		extension to strike-side	* m
		extension to dip-side	* m
		width	* m
	Shape of the orebody ;	*	
12.	Chromite banding around the orebody :	strike N 85° E dip 33° S	
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 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 :		16 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-8,10	
20.	Laboratorial tests :	-	
21.	Remarks :	refer Plate 7-6	

List of trenches and galleries

1.	Number of trench :	TB-10		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, a2, No.1		
5.	Coordinates :	22.96 N,	97.73 E	
6.	Altitude :	1,812 m		
7.	Name of the mine :	Kayınlı Tepe (10,000)		
8.	Location and communication :	Kayınlı Tepe, Mirzaoğlu, Çayırılı, Erzincan, 60 minutes from Hacibektaşkomu on foot		
9.	Type etc. :	trench for exploration		
10.	Host rock :	lateritized, 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° W)		
	Scale of the orebody observed ;	extension to strike-side	*	m
		extension to dip-side	*	m
		width	*	m
	Shape of the orebody ;	*		
12.	Chromite banding around the orebody :	strike N 60° W dip 35° SW		
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 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.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-6		

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TB-11 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Erzincan, i-44, a2, No.3 |
| 5. | Coordinates : | 20.64 N, 04.76 E |
| 6. | Altitude : | 1,565 m |
| 7. | Name of the mine : | Kara Tepe (25,000) (southern chrome zone) |
| 8. | Location and communication : | Fındıklıdere, Cancıköyü, Aşkale,
Erzurum, 15 minutes from Erbağ station
by jeep |
| 9. | Type etc. : | trench for exploration |
| 10. | Host rock : | lateritized, serpentized dunite |
| 11. | Orebody : | |
| | Stratigraphic horizon in
ultrabasic rocks ; | middle horizon |
| | Amount of the orebody ; | * |
| | Direction of the orebody ; | strike N 60° E dip * |
| | Scale of the orebody observed ; | (Direction of the ore zone ; *)
extension to strike-side * m
extension to dip-side * m
width * m |
| | Shape of the orebody ; | * |
| 12. | Chromite banding around the
orebody : | not observed |
| 13. | Fault around the orebody : | not observed |
| 14. | Ore : | |
| | Type of the ore ; | massive |
| | Ore minerals ; | chromite |
| | Grade of the ore ; | macroscopic estimation, 45 % Cr ₂ O ₃
analytical value, 52.53 % Cr ₂ O ₃ from the
stockpile, high-grade part |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 3.5 m
extension to dip-side 0.5 m
width 0.2 m |
| 16. | Volume of the trench estimated : | 14 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 |
| 19. | Relation to the other trenches
and galleries : | TA-34,35 |
| 20. | Laboratorial tests : | chemical analysis of the ore (Bcr-9) |
| 21. | Remarks : | refer Plate 7-6 |

List of trenches and galleries

1.	Number of trench :	TB-12 (not surveyed in detail)	
2.	Project No. :	78/26	
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 :	Güney Erbaş (southern chrome zone)	
8.	Location and communication :	Karaalidere, Erbaş istasyon, Tercan, Erzurum, 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 harzburgite	
11.	Orebody :		
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon	
	Amount of the orebody ;	*	
	Direction of the orebody ;	strike	N 55° E 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 ;	disseminated	
	Ore minerals ;	chromite	
	Grade of the ore ;	macroscopic estimation, 30 % Cr ₂ O ₃	
15.	The largest scale of the orebody estimated :	extension to strike-side	2 m
		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.	Laboratorial tests :	-	
21.	Remarks :	refer Plate 7-6	

List of trenches and galleries

1.	Number of trench :	TB-13		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
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) (southern chrome zone)		
8.	Location and communication :	Topkayın Tepe, Kâğışna Erzurum, 35 minutes from Erbaş station on foot across the Karasu trench for exploration		
9.	Type etc. :			
10.	Host rock :	serpentinized dunite		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	lower part of the middle horizon		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike	N 40° 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 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 orebody estimated :	extension to strike-side	3	m
		extension to dip-side	0.3	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 :		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		

List of trenches and galleries

1.	Number of trench :	TB-14	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzurum, i-45, a1, No.2	
5.	Coordinates :	28.40 N, 34.35 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.	Host rock :	dunite and harzburgite	
11.	Orebody :		
	Stratigraphic horizon in	middle horizon	
	ultrabasic rocks ;		
	Amount of the orebody ;	1	
	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 orebody :	strike N 60° W, N 85° E dip 62° N, 28° N (in turn)	
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 orebody estimated :	extension to strike-side 5 m	
		extension to dip-side 0.8 m	
		width 0.2 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 :	TA-47 - 50B, TB-15, 16	
20.	Laboratorial tests :	-	
21.	Remarks :	refer Plate 7-8	

List of trenches and galleries

1.	Number of trench :	TB-15	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzurum, i-45, a1, No.2	
5.	Coordinates :	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.	Host rock :	lateritized, serpentinized dunite	
11.	Orebody :		
	Stratigraphic horizon in ultrabasic rocks ;	middle horizon	
	Amount of the orebody ;	*	
	Direction of the orebody ;	strike N 20° W dip *	
		(Direction of the ore zone ; *)	
	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, N 50° W dip 48° W, 61° SW (in turn)	
13.	Fault around the orebody :	not observed	
14.	Ore :		
	Type of the ore ;	disseminated, banded	
	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 0.8 m	
		width 0.2 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 :	TA-47 - 50B, TB-14,16	
20.	Laboratorical tests :	-	
21.	Remarks :	refer Plate 7-8	

List of trenches and galleries

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

List of trenches and galleries

1.	Number of trench :	TB-17		
2.	Project No. :	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, Erzurum, 40 minutes from Pınakapan on foot and by jeep		
9.	Type etc. :	pit for exploration		
10.	Host rock :	serpentinized dunite and 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 20° E)		
	Scale of the orebody observed ;	extension to strike-side	*	m
		extension to dip-side	*	m
		width	*	m
	Shape of the orebody ;	*		
12.	Chromite banding around the orebody :	not observed		
13.	Fault around the orebody :	not observed		
14.	Ore :			
	Type of the ore ;	massive		
	Ore minerals ;	chromite		
	Grade of the ore ;	macroscopic estimation, 40 % Cr ₂ O ₃		
15.	The largest scale of the orebody estimated :	extension to strike-side	1.7	m
		extension to dip-side	0.5	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 :	0.8 ton		
19.	Relation to the other trenches and galleries :	TB-18,19		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-7		

List of trenches and galleries

1. Number of trench :	TB-18
2. Project No. :	78/26
3. Area :	Kopdağ
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, 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 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 orebody estimated :	extension to strike-side 4 m 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. Laboratorial tests :	-
21. Remarks :	refer Plate 7-7

List of trenches and galleries

1.	Number of trench :	TB-19
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Tortum, H-45, d4, No.3
5.	Coordinates :	30.95 N, 36.50 E
6.	Altitude :	★ 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, disseminated
	Ore minerals ;	chromite
	Grade of the ore ;	macroscopic estimation, 35 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 4.5 m extension to dip-side 1.1 m width 0.6 m
16.	Volume of the trench estimated :	35 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 :	-
19.	Relation to the other trenches and galleries :	TB-17,18
20.	Laboratorical tests :	-
21.	Remarks :	refer Plate 7-7

List of trenches and galleries

1.	Number of trench :	TB-20
2.	Project No. :	78/26
3.	Area :	Kopdag ^v
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 :	Körösmân 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 ultrabasic rocks ;	middle horizon
	Amount of the orebody ;	2 *
	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 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 % Cr ₂ O ₃ from the stockpile, random sample
15.	The largest scale of the orebody estimated :	extension to strike-side 25, 17 m
		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

List of trenches and galleries

- | | | |
|-----|--|--|
| 1. | Number of trench : | TB-21 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdag |
| 4. | Map No. : | Tortum, i-45, d4, No.3 |
| 5. | Coordinates : | 31.15 N, 34.50 E |
| 6. | Altitude : | ★ m |
| 7. | Name of the mine : | Şehirdere (25,000) (east Kop chrome zone) |
| 8. | Location and communication : | Şehirdere, Şehirderekomu, Aşkale, Erzurum,
70 minutes from Pırnakapan on foot and by
car |
| 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 25° 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 |
| 12. | Chromite banding around the
orebody : | strike N 27° E, N dip 33° SE, 50° E (in turn) |
| 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 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. | Volume of the trench estimated : | 135 m ³ |
| 17. | The largest amount of the ore
estimated which is taken
from the trench : | 27 ton |
| 18. | Amount of stock of the ore : | 3 ton |
| 19. | Relation to the other trenches
and galleries : | - |
| 20. | Laboratorial tests : | - |
| 21. | Remarks : | refer Plate 7-7 |

List of trenches and galleries

- | | | | | |
|-----|--|---|-------|----------------|
| 1. | Number of trench : | TB-22 | | |
| 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 : | Delavlarıdağ (25,000) | | |
| 8. | Location and communication : | Delavlarıdağ, Sıçankale Y., Aşkale
Erzurum 40 minutes from Sıçankale Y.,
on foot and by car | | |
| 9. | Type etc. : | 2 pit for exploration | | |
| 10. | Host rock : | dunite and harzburgite | | |
| 11. | Orebody : | | | |
| | Stratigraphic horizon in
ultrabasic rocks ; | middle horizon | | |
| | Amount of the orebody ; | 2 | | |
| | 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
orebody : | strike N 20° E dip 66° SE | | |
| 13. | Fault around the orebody : | strike N 35° E, N 60° E dip 75° W, 30° SE (in turn) | | |
| 14. | Ore : | | | |
| | Type of the ore ; | massive, disseminated | | |
| | Ore minerals ; | chromite | | |
| | Grade of the ore ; | macroscopic estimation, 30 - 35 % Cr ₂ O ₃ | | |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side | 10 | m |
| | | 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 |
| 18. | Amount of stock of the ore : | 5 ton | | |
| 19. | Relation to the other trenches
and galleries : | - | | |
| 20. | Laboratorical tests : | - | | |
| 21. | Remarks : | refer Plate 7-7 | | |

List of trenches and galleries

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	
6.	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 ultrabasic rocks ;	upper horizon (footwall-side * orebody)		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike	N 70° E dip	40° NW
		(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 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 orebody estimated :	extension to strike-side	1	m
		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.	Laboratorial tests :	-		
21.	Remarks :	no sketch map.		

List of trenches and galleries

1.	Number of trench :	TC-1 *
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, b1, 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 orebody estimated :	extension to strike-side 50 m 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

List of trenches and galleries

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 serpentized dunite and serpen- tinite (powdery)
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (footwall-side orebody 1
	Amount 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 ;	extension to strike-side * m extension to dip-side 4 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 (uvarovite)
	Gangue minerals ;	serpentine, magnesite, magnetite (common)
	Grade of the ore ;	macroscopic estimation, 30 - 35 % Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side 30 m extension to dip-side 10 m width 5 m
16.	Volume of the trench estimated :	3,300 m ³
17.	The largest amount of the ore estimated which is taken 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

List of trenches and galleries

1.	Number of trench :	TC-3 *
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, b1, No.1
5.	Coordinates :	26.10 N, 07.02 E
6.	Altitude :	1,990 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 :	serpentinized dunite
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (lowermost part)
	Amount of the orebody ;	1
	Direction of the orebody ;	strike N 40° E dip *
		(Direction of the ore zone ; N 10° W)
	Scale of the orebody observed ;	extension to strike-side * m
		extension to dip-side 5 m
		width 0.1 m
	Shape of the orebody ;	lenticular
12.	Chromite banding around the orebody :	strike N 10° W dip 60° W
13.	Fault around the orebody :	strike N 55° E dip 80° NW
14.	Ore :	
	Type of the ore ;	massive, disseminated
	Ore minerals ;	chromite
	Grade of the ore ;	macroscopic estimation, 25 - 30 % Cr ₂ O 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.	Volume of the trench estimated :	2,130 m ³
17.	The largest amount of the ore estimated which is taken from the trench :	525 ton
18.	Amount of stock of the ore :	-
19.	Relation to the other trenches and galleries :	TC-4,35
20.	Laboratorial tests :	polished section (Ccr-34)
21.	Remarks :	refer Plate 7-5

List of trenches and galleries

1.	Number of trench :	TC-4	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzincan, i-44, b1, No.1	
5.	Coordinates :	26.00 N, 07.08 E	
6.	Altitude :	1,945 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 (lowermost part)	
	Amount of the orebody ;	1	
	Direction of the orebody ;	strike N 34° E dip 60° NW (Direction of the ore zone ; N 10° W)	
	Scale of the orebody observed ;	extension to strike-side * m extension to dip-side 2 m width 0.5 m	
	Shape of the orebody ;	lenticular, layered	
12.	Chromite banding around the orebody :	strike N 35° E dip 60° NW	
13.	Fault around the orebody :	not observed	
14.	Ore :		
	Type of the ore ;	massive	
	Ore minerals ;	chromite	
	Grade of the ore ;	macroscopic estimation, ★	
15.	The largest scale of the 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 ³	
17.	The largest amount of the ore estimated which is taken from the trench :	23 ton	
18.	Amount of stock of the ore :	-	
19.	Relation to the other trenches and galleries :	TC-3,35	
20.	Laboratorical tests :	-	
21.	Remarks :	refer Plate 7-5	

List of trenches and galleries

1.	Number of trench :	TC-5	
2.	Project No. :	78/26	
3.	Area :	Kopdag	
4.	Map No. :	Erzincan, i-44, b1, No.1	
5.	Coordinates :	26.19 N, 06.97 E	
6.	Altitude :	1,973 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 :	strongly serpentinized dunite and serpentinite	
11.	Orebody :		
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (footwall-side orebody)	
	Amount of the orebody ;	3-4	
	Direction of the orebody ;	strike N 30° E dip 80° NW	
		(Direction of the ore zone ; N 30° E)	
	Scale of the orebody observed ;	extension to strike-side * m	
		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 orebody estimated :	extension to strike-side 5 m	
		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.	Laboratorial tests :	-	
21.	Remarks :	refer Plate 7-5	

List of trenches and galleries

1.	Number of trench :	TC-6	
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzincan, i-44, bl, 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 ;	upper horizon (footwall-side orebody)	
	Amount of the orebody ;	1	
	Direction of the orebody ;	strike N 30° E dip 75° NW (Direction of the ore zone ; N 30° E)	
	Scale of the orebody observed ;	extension to strike-side * m	
		extension to dip-side 3 m	
		width 1.5 m	
	Shape of the orebody ;	lenticular	
12.	Chromite banding around the orebody :	not observed	
13.	Fault around the orebody :	not observed	
14.	Ore :		
	Type of the ore ;	massive	
	Ore minerals ;	chromite	
	Grade of the ore ;	macroscopic estimation, ★	
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 :	40 m ³	
17.	The largest amount of the ore estimated which is taken from the trench :	70 ton	
18.	Amount of stock of the ore :	-	
19.	Relation to the other trenches and galleries :	TC-5, GC-5	
20.	Laboratorial tests :	-	
21.	Remarks :	refer Plate 7-5	

List of trenches and galleries

- | | | |
|-----|--|--|
| 1. | Number of trench : | TC-7 * |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Erzincan, i-44, b1, No.1 |
| 5. | Coordinates : | 26.84 N, 06.95 E |
| 6. | Altitude : | 2,109 m |
| 7. | Name of the mine : | Batı Ezan (2,000) (northern chrome zone) |
| 8. | Location and communication : | Büyükgüllünün Sr., Sıçankale Y., Aşkale,
Erzurum, 30 minutes from Sıçankale Y.,
by car |
| 9. | Type etc. : | trench for exploitation |
| 10. | Host rock : | serpentinite |
| 11. | Orebody : | |
| | Stratigraphic horizon in | |
| | ultrabasic rocks ; | upper horizon (hangingwall-side orebody) |
| | Amount of the orebody ; | 2 |
| | 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 55 m
extension to dip-side 20 m
width 7 - 10 m |
| | Shape of the orebody ; | lenticular |
| 12. | Chromite banding around the
orebody : | not observed |
| 13. | Fault around the orebody : | strike N 84° - 86° E dip 70° - 78° N |
| 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% Cr ₂ O ₃ |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 60 m
extension to dip-side 18 m
width 20 m |
| 16. | Volume of the trench estimated : | 35,570 m ³ |
| 17. | The largest amount of the ore
estimated which is taken
from the trench : | 50,400 ton |
| 18. | Amount of stock of the ore : | variable |
| 19. | Relation to the other trenches
and galleries : | TZ-1,3, GC-7 |
| 20. | Laboratorical tests : | X-ray diffractive analysis (Cx-1) |
| 21. | Remarks : | refer Plate 7-4 |

List of trenches and galleries

1.	Number of trench :	TC-8 *
2.	Project No. :	78/26
3.	Area :	Kopdağ
4.	Map No. :	Erzincan, i-44, b1, No.1
5.	Coordinates :	26.57 N, 06.98 E
6.	Altitude :	2,038 m
7.	Name of the mine :	Orta Ezan (2,000) (northern chrome zone)
8.	Location and communication :	Büyükgüllünün Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car
9.	Type etc. :	trench for exploitation
10.	Host rock :	serpentinite (powdery)
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (footwall-side orebody)
	Amount of the orebody ;	1
	Direction of the orebody ;	strike N 60° E – N 70° W dip 25 – 68° N (Direction of the ore zone ; N 55° E)
	Scale of the orebody observed ;	extension to strike-side 50 m extension to dip-side 10 m width 6 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, 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.	Volume of the trench estimated :	78,000 m ³
17.	The largest amount of the ore estimated which is taken from the trench :	36,400 ton
18.	Amount of stock of the ore :	3,600 ton
19.	Relation to the other trenches and galleries :	TC-9, GB-1 GM-1,
20.	Laboratorial tests :	-
21.	Remarks :	refer Plate 7-4

List of trenches and galleries

1.	Number of trench :	TC-9		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	26.63 N, 07.12 E		
6.	Altitude :	2,065 m		
7.	Name of the mine :	Doğu Ezan (2,000) (northern chrome zone)		
8.	Location and communication :	Büyükgüllünün Sr., Sığankale Y., Aşkale, Erzurum, 30 minutes from Sığankale Y., by car		
9.	Type etc. :	trench, gallery (closed), for exploitation		
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (footwall-side orebody)		
	Amount of the orebody ;	2		
	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
		extension to dip-side	5	m
		width	3	m
	Shape of the orebody ;	lenticular		
12.	Chromite banding around the orebody :	not observed		
13.	Fault around the orebody :	strike N60°E,	dip	72°S
14.	Ore :			
	Type of the ore ;	massive, disseminated,		
	Ore minerals ;	chromite (kaemmererite)		
	Grade of the ore ;	macroscopic estimation,	*	% Cr ₂ O ₃
15.	The largest scale of the orebody estimated :	extension to strike-side	35, 65	m
		extension to dip-side	5, 5	m
		width	3, 1.5	m (in turn)
16.	Volume of the trench estimated :		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.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-4		

List of trenches and galleries

1.	Number of trench :	TC-10		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, 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 :	Güllünüdere, Sığankale Y., Aşkale, Erzurum 30 minutes from Sığankale Y., by car pit for exploration		
9.	Type etc. :			
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 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, * % Cr ₂ O ₃		
15.	The largest scale of the orebody estimated :	extension to strike-side 5 m		
		extension to dip-side 2 m		
		width 3.5 m		
16.	Volume of the trench estimated :	9 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 :	-		
19.	Relation to the other trenches and galleries :	TC-11 - 13, TM-1 - 2, GC-2		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-11		
2.	Project No. :	78/26		
3.	Area :	Kopdag		
4.	Map No. :	Erzincan, i-44, b1, 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 :	Güllünüdere, Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car trench for exploration		
9.	Type etc. :			
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike * 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 orebody estimated :	extension to strike-side	1.5 m	
		extension to dip-side	0.3 m	
		width	1 m	
16.	Volume of the trench estimated :		4 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		

List of trenches and galleries

1.	Number of trench :	TC-12		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.18 N, 07.74 E		
6.	Altitude :	2,107 m		
7.	Name of the mine :	Sulu (2,000) (northern chrome zone)		
8.	Location and communication :	Güllünüdere, 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 (hangingwall-side orebody)		
	Amount of the orebody ;	1		
	Direction of the orebody ;	strike N65°W, dip 35°NE (Direction of the ore zone ; N60°E)		
	Scale of the orebody observed ;	extension to strike-side * m extension to dip-side 1.5 m width 4 m		
	Shape of the orebody ;	lenticular		
12.	Chromite banding around the orebody ;	strike N35°W, dip 55°NE		
13.	Fault around the orebody :	not observed		
14.	Ore :			
	Type of the ore ;	massive		
	Ore minerals ;	chromite		
	Grade of the ore ;	macroscopic estimation, * %Cr ₂ O ₃		
15.	The largest scale of the orebody estimated :	extension to strike-side 6 m extension to dip-side 1.5 m width 4 m		
16.	Volume of the trench estimated :	20 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 :	very small		
19.	Relation to the other trenches and galleries :	TC-10, 11, 13, TM-1, GC-2		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-13 *		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.15 N, 07.84 E		
6.	Altitude :	2,148 m		
7.	Name of the mine :	Sulu (northern chrome zone)		
8.	Location and communication :	Güllünüdere, Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car trench, for exploitation		
9.	Type etc. :			
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	N70°E,	dip 23°N
		(Direction of the ore zone ; N60°E)		
	Scale of the orebody observed ;	extension to strike-side	*	m
		extension to dip-side	1.5	m
		width	0.5	m
	Shape of the orebody ;	lenticular		
12.	Chromite banding around the orebody :	strike	N65°E	dip 45°NW
			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,	*	%Cr ₂ O ₃ ,
15.	The largest scale of the orebody estimated :	extension to strike-side	60	m
		extension to dip-side	5	m
		width	7	m
16.	Volume of the trench estimated :		9,600	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 :	TC-10 - 12, TM-1, GC-2		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-14		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.02 N, 07.90 E		
6.	Altitude :	2,102 m		
7.	Name of the mine :	Sulu (2,000) (northern chrome zone)		
8.	Location and communication :	Güllünüdere, Sıçankale Y., Aşkale, Erzurum 30 minutes from Sıçankale Y., by car trench, for exploitation		
9.	Type etc. :			
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :	upper horizon		
	Stratigraphic horizon in 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 :	(massive) brecciated chromite		
	Type of the ore ;			
	Ore minerals ;			
	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	m
		width	1.5	m
16.	Volume of the trench estimated :		40	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		

List of trenches and galleries

- | | | | | |
|-----|--|--|---|----------------------------------|
| 1. | Number of trench : | TC-15 | | |
| 2. | Project No. : | 78/26 | | |
| 3. | Area : | Kopdağ | | |
| 4. | Map No. : | Erzincan, i-44, b1, No.1 | | |
| 5. | Coordinates : | 26.85 N, 08.20 E | | |
| 6. | Altitude : | 1,960 m | | |
| 7. | Name of the mine : | Sulu (2,000) (northern chrome zone) | | |
| 8. | Location and communication : | Güllüdüdere, Sığankale Y.,
Aşkale, Erzurum,
30 minutes from Sığankale Y., by car | | |
| 9. | Type etc. : | trench, for exploitation | | |
| 10. | Host rock : | serpentinite (powdery) | | |
| 11. | Orebody : | | | |
| | Stratigraphic horizon in ultrabasic rocks ; | upper horizon | | |
| | Amount of the orebody ; | 2 | | |
| | Direction of the orebody ; | strike N15°E | dip | 30°W |
| | | (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, | ★ | % Cr ₂ O ₃ |
| 15. | The largest scale of the orebody estimated : | extension to strike-side | 7 × 3 | m |
| | | extension to dip-side | 3 × 3 | m |
| | | width | 1 × 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 | | |

List of trenches and galleries

1.	Number of trench :	TC-16		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.58 N, 10.17 E		
6.	Altitude :	2,231 m		
7.	Name of the mine :	Gökyokuşun Sr. (2,000) (northern chrome zone)		
8.	Location and communication :	Camlıtepenin Sr., Sıçankale Y., Aşkale, Erzurum, 25 minutes from Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike * 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 ;			
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side 1 m		
		extension to dip-side 0.5 m		
		width 0.5 m		
16.	Volume of the trench estimated :	4 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-17,18,19,20,21,22		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-17		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.58 N, 10.15 E		
6.	Altitude :	2,262 m		
7.	Name of the mine :	Gökyokuşun Sr.(2,000) (northern chrome zone)		
8.	Location and communication :	Camlıtepenin Sr., Sığankale Y., Aşkale, Erzurum, 25 minutes from Sığankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
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		
	Direction of the orebody ;	strike N15°E, dip 68°W (Direction of the ore zone ; N30°E)		
	Scale of the orebody observed ;	extension to strike-side * m extension to dip-side 1.5 m width 3 m		
	Shape of the orebody ;	layered		
12.	Chromite banding around the orebody :	strike N15°E, dip 68°W		
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 orebody estimated :	extension to strike-side 1.5 m extension to dip-side 1.5 m width 3 m		
16.	Volume of the trench estimated :	9 m ³		
17.	The largest amount of the ore estimated which is taken from the trench :	17 ton		
18.	Amount of stock of the ore :	-		
19.	Relation to the other trenches and galleries :	TC-16,18,19,20,21,22		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TC-18 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Erzincan, i-44, b1, 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 : | Camlıtepenin Sr., Sıçankale Y.,
Aşkale, Erzurum,
25 minutes from Sıçankale Y. on foot and by car
trench, for exploration |
| 9. | Type etc. : | |
| 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 N8°W, dip 66°W
(Direction of the ore zone ; N30°E) |
| | 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 |
| 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, ★ %Cr ₂ O ₃
analytical value, 45.09 %Cr ₂ O ₃
from the stockpile, high-grade part |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side 7 m
extension to dip-side 1.5 m
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. | Laboratorial tests : | polished section (Ccr-9)
chemical analysis of the ore (Ccr-9) |
| 21. | Remarks : | refer Plate 7-3 |

List of trenches and galleries

1.	Number of trench :	TC-19		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	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 :	Camlıtepenin Sr., Sıçankale Y., Aşkale, Erzurum 25 minutes from Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike *	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 ;	*		
	Grade of the ore ;	macroscopic estimation,	*	
15.	The largest scale of the orebody estimated :	extension to strike-side	* m	
		extension to dip-side	0.5 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 and galleries :	TC-16,17,18,20,21,22		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-20		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	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 :	Camlıtepenin Sr., Sıçankale Y., Aşkale, Erzurum, 25 minutes from Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike * 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 orebody estimated :	extension to strike-side 0.4 m		
		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		

List of trenches and galleries

1.	Number of trench :	TC-21		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	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 :	Camlıtepenin Sr., Sığankale Y., Aşkale, Erzurum, 25 minutes from Sığankale Y. on foot and by car trench for exploration		
9.	Type etc. :			
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	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.	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 orebody estimated :	extension to strike-side	0.9	m
		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 :	TC-16,17,18,19,20,22		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-22		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, 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) (northern chrome zone)		
8.	Location and communication :	Camlıtepenin Sr., Sıçankale Y., Aşkale, Erzurum		
9.	Type etc. :	25 minutes from Sıçankale Y. on foot and by car trench for exploration		
10.	Host rock :	serpentinite (powdery)		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (hangingwall-side orebody)		
	Amount of the orebody ;	*		
	Direction of the orebody ;	strike E* 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 :	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 orebody estimated :	extension to strike-side 1 m		
		extension to dip-side 0.4 m		
		width 0.3 m		
16.	Volume of the trench estimated :	< 1 m ³		
17.	The largest amount of the ore estimated which is taken from the trench :	< 1 ton		
18.	Amount of stock of the ore :	very small		
19.	Relation to the other trenches and galleries :	TC-16, 17, 18, 19, 20, 21		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-23		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	28.01 N, 10.98 E		
6.	Altitude :	2,277 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 Sıçankale Y. on foot and by car trench for exploration		
9.	Type etc. :			
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 E*	dip *	
		(Direction of the ore zone ; N30°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 orebody estimated :	extension to strike-side	8 m	
		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.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-24		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, 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., Sığankale Y., Aşkale, Erzurum 20 minutes from Sığankale Y. on foot and by car trench for exploration		
9.	Type etc. :			
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 ; 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		
14.	Ore :			
	Type of the ore ;	★		
	Ore minerals ;	chromite		
	Grade of the ore ;	macroscopic estimation, ★		
15.	The largest scale of the orebody estimated :	extension to strike-side	2	m
		extension to dip-side	0.5	m
		width	0.5	m
16.	Volume of the trench estimated :	6 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 :	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		

List of trenches and galleries

1.	Number of trench :	TC-25		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.83 N, 11.17 E		
6.	Altitude :	2,240 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 Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
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 ; 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		
14.	Ore :			
	Type of the ore ;	*		
	Ore minerals ;	*		
	Grade of the ore ;	macroscopic estimation,	*	
15.	The largest scale of the orebody estimated :	extension to strike-side	1	m
		extension to dip-side	0.5	m
		width	0.3	m
16.	Volume of the trench estimated :		9	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-23,24,26,27,28		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-26		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.76 N, 11.21 E		
6.	Altitude :	2,218 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 Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
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 ; 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		
14.	Ore :			
	Type of the ore ;	*		
	Ore minerals ;	*		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side	0.6	m
		extension to dip-side	0.5	m
		width	0.4	m
16.	Volume of the trench estimated :		9	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-23,24,25,27,28		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-27		
2.	Project No. :	78/26		
3.	Area :	Kopdag		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.74 N, 11.21 E		
6.	Altitude :	2,215 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 Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
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 ; 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		
14.	Ore :			
	Type of the ore ;	*		
	Ore minerals ;	*		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side	0.9 m	
		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-23,24,25,26,28		
20.	Laboratorial tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

1.	Number of trench :	TC-28		
2.	Project No. :	78/26		
3.	Area :	Kopdag ^v		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.77 N, 11.23 E		
6.	Altitude :	2,252 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 Sıçankale Y. on foot and by car pit, for exploration		
9.	Type etc. :			
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	N30°E	dip 42°NW
		(Direction of the ore zone ; N30°W)		
	Scale of the orebody observed ;	extension to strike-side	*	m
		extension to dip-side	1	m
		width	0.5	m
	Shape of the orebody ;	lenticular		
12.	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 orebody estimated :	extension to strike-side	1.7	m
		extension to dip-side	0.4	m
		width	0.5	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-23,24,25,26,27		
20.	Laboratorical tests :	-		
21.	Remarks :	refer Plate 7-3		

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TC-29 |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Erzincan, i-44, b1, No.1 |
| 5. | Coordinates : | 24.06 N, 12.05 E |
| 6. | Altitude : | 1,912 m |
| 7. | Name of the mine : | Tecer (25,000) (southern chrome zone) |
| 8. | Location and communication : | Çorakdere, Tecer,
Aşkale, Erzurum,
80 minutes from Sıçankale Y. on foot
trench, for exploration |
| 9. | Type etc. : | |
| 10. | Host rock : | serpentinized dunite |
| 11. | Orebody : | |
| | Stratigraphic horizon in
ultrabasic rocks ; | middle horizon |
| | Amount of the orebody ; | 6 |
| | Direction of the orebody ; | strike N40°E dip 60°NW
(Direction of the ore zone ; N75°W) |
| | Scale of the orebody observed ; | extension to strike-side * m
extension to dip-side 1.5 m
width 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, disseminated |
| | Ore minerals ; | chromite |
| | Grade of the ore ; | macroscopic estimation, *
analytical value, 43.41 %Cr ₂ O ₃
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. | Volume of the trench estimated : | 7 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 : | TC-40 |
| 20. | Laboratorical tests : | polished section (Ccr-22)
chemical analysis of the ore (Ccr-22) |
| 21. | Remarks : | refer Plate 7-9 |

List of trenches and galleries

1.	Number of trench :	TC-30 *
2.	Project No. :	78/26
3.	Area :	Kopdağ
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 :	Iskınığündere, Kop, Bayburt, Gümüşhane 30 minutes from Sıçankale Y. by car trench, for exploitation
9.	Type etc. :	
10.	Host rock :	strongly serpentinized dunite
11.	Orebody :	
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon
	Amount of the orebody ;	1
	Direction of the orebody ;	strike N 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 width 3.5 m
	Shape of the orebody ;	layered
12.	Chromite banding around the orebody :	strike N60°E, dip 35°NW
13.	Fault around the orebody :	strike N10°W, dip 75°W
14.	Ore :	
	Type of the ore ;	brecciated
	Ore minerals ;	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 orebody estimated :	extension to strike-side 20 m 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 from the trench :	2,800 ton
18.	Amount of stock of the ore :	-
19.	Relation to the other trenches and galleries :	TD-29 - 35
20.	Laboratorical tests :	chemical analysis of the ore (Ccr-29)
21.	Remarks :	refer Plate 7-1

List of trenches and galleries

1.	Number of trench :	TC-31 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdag ^v		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.12 N, 07.74 E		
6.	Altitude :	2,075 m		
7.	Name of the mine :	Sulu (2,000) (northern chrome zone)		
8.	Location and communication :	Güllünündere, Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y. by car trench, for exploitation		
9.	Type etc. :			
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 N65°- 90°W	dip 30°- 35°N	
		(Direction of the ore zone ; 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	dip 35°NW	
		N75°W	35°NE	
13.	Fault around the orebody :	not observed		
14.	Ore :			
	Type of the ore ;	massive		
	Ore minerals ;	chromite (kaemmererite)		
	Grade of the ore ;	macroscopic estimation, *		
15.	The largest scale of the orebody estimated :	extension to strike-side	40	m
		extension to dip-side	5	m
		width	7	m
16.	Volume of the trench estimated :		5,250	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		

List of trenches and galleries

1.	Number of trench :	TC-32	(not surveyed in detail)
2.	Project No. :	78/26	
3.	Area :	Kopdağ	
4.	Map No. :	Erzincan, i-44, b1, No.1	
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,	
9.	Type etc. :	30 minutes from Siçankale Y., by car	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	* dip *
		(Direction of the ore zone ;	*)
	Scale of the orebody observed ;	extension to strike-side	* m
		extension to dip-side	0.5 m
		width	0.4 m
	Shape of the orebody ;	*	
12.	Chromite banding around the orebody :	strike N 85° E	dip 55° S
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 orebody estimated :	extension to strike-side	0.4 m
		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 :	-	
19.	Relation to the other trenches and galleries :	TC-1	
20.	Laboratorial tests :	-	
21.	Remarks :	no sketch map	

List of trenches and galleries

1.	Number of trench :	TC-33 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdag ^v		
4.	Map No. :	Erzincan, i-44, b1 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 (Direction of the ore zone ; N 35° E)		
	Scale of the orebody observed ;	extension to strike-side * m		
		extension to dip-side 1 m		
		width 0.2 m		
	Shape of the orebody ;	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 orebody estimated :	extension to strike-side 1 m		
		extension to dip-side 1 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 :	< 1 ton		
18.	Amount of stock of the ore :	-		
19.	Relation to the other trenches and galleries :	TC-2		
20.	Laboratorical tests :	-		
21.	Remarks :	no sketch map		

List of trenches and galleries

1. Number of trench :	TC-34 (not surveyed in detail)		
2. Project No. :	78/26		
3. Area :	Kopdağ		
4. 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 :	Büyükgüllüniün Sr., Sıçankale Y., Aşkale, Erzurum, 30 minutes from Sıçankale Y., by car trench for exploration		
9. Type etc. :			
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 orebody estimated :	extension to strike-side	*	m
	extension to dip-side	*	m
	width	*	m
16. Volume of the trench estimated :		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. Laboratorial tests :	-		
21. Remarks :	no sketch map		

List of trenches and galleries

1.	Number of trench :	TC-35 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	26.18 N, 07.06 E		
6.	Altitude :	1,930 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 or pit for exploration		
10.	Host rock :	serpentinite		
11.	Orebody :			
	Stratigraphic horizon in ultrabasic rocks ;	upper horizon (lowermost part)		
	Amount of the orebody ;	1		
	Direction of the orebody ;	strike N 40° E dip 50° NW (Direction of the ore zone ; N 10° W)		
	Scale of the orebody observed ;	extension to strike-side * m		
		extension to dip-side 0.5 m		
		width 0.1 m		
	Shape of the orebody ;	★		
12.	Chromite banding around the orebody :	not observed		
13.	Fault around the orebody :	not observed		
14.	Ore :			
	Type of the ore ;	★		
	Ore minerals ;	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 1 m		
		width 0.5 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-3,4		
20.	Laboratorical tests :	-		
21.	Remarks :	no sketch map		

List of trenches and galleries

1.	Number of trench :	TC-36 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdag		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	28.00 N, 09.11 E		
6.	Altitude :	2,158 m		
7.	Name of the mine :	Çalazarlırındere (2,000)(northern chrome zone)		
8.	Location and communication :	Çalazarlırındere, Sıçankale Y., Aşkale, Erzurum, 60 minutes from Sıçankale Y., on foot and by car		
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 ;	strike * dip *		
		(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.	Chromite banding around the orebody :	strike N 50° E dip 48° 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 orebody estimated :	extension to strike-side 1 m		
		extension to dip-side 1.5 m		
		width 0.5 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 and galleries :	TC-37,38		
20.	Laboratorial tests :	-		
21.	Remarks :	no sketch map		

List of trenches and galleries

- | | | | | |
|-----|--|---|-------|-------|
| 1. | Number of trench : | TC-37 (not surveyed in detail) | | |
| 2. | Project No. : | 78/26 | | |
| 3. | Area : | Kopdağ | | |
| 4. | Map No. : | Erzincan, i-44, b1, No.1 | | |
| 5. | Coordinates : | 28.01 N, | 09.12 | E |
| 6. | Altitude : | 2,150 m | | |
| 7. | Name of the mine : | Çalazarlarındere (2,000)(northern chrome zone) | | |
| 8. | Location and communication : | Çalazarlarındere, Sıçankale Y., Aşkale,
Erzurum, 50 minutes from Sıçankale Y.,
on foot and by car | | |
| 9. | Type etc. : | trench or pit | | |
| 10. | Host rock : | serpentinite | | |
| 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
orebody estimated : | extension to strike-side | 1 | m |
| | | 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-36,38, | | |
| 20. | Laboratorical tests : | - | | |
| 21. | Remarks : | no sketch map | | |

List of trenches and galleries

- | | |
|--------------------------------------|---|
| 1. Number of trench : | TC-38 (not surveyed in detail) |
| 2. Project No. : | 78/26 |
| 3. Area : | Kopdağ |
| 4. Map No. : | Erzincan, i-44, b1, No.1 |
| 5. Coordinates : | 28.01 N, 09.13 E |
| 6. Altitude : | 2,145 m |
| 7. Name of the mine : | Çalazarlarındere (2,000)(northern chrome zone) |
| 8. Location and communication : | Çalazarlarındere, Sıçankale Y., Aşkale,
Erzurum, 50 minutes from Sıçankale Y.,
on foot and by car |
| 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 ; | strike * dip * |
| | (Direction of the ore zone ; N 15° 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. 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 | |
| orebody estimated : | extension to strike-side 1 m |
| | 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-36,37 |
| 20. Laboratorial tests : | - |
| 21. Remarks : | no sketch map |

List of trenches and galleries

1.	Number of trench :	TC-39 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	27.28 N,	08.91 E	
6.	Altitude :	2,035 m		
7.	Name of the mine :	Çalazarlarındere (2,000)(northern chrome zone)		
8.	Location and communication :	Çalazarlarındere, Sığankale Y., Aşkale, Erzurum, 30 minutes from Sığankale Y., on foot and by car		
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 ;	strike	*	dip *
		(Direction of the ore zone ; N 15° E)		
	Scale of the orebody observed ;	extension to strike-side	*	m
		extension to dip-side	0.5	m
		width	0.3	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 orebody estimated :	extension to strike-side	0.5	m
		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 :	SZ-1		
20.	Laboratorical tests :	-		
21.	Remarks :	no sketch map		

List of trenches and galleries

1.	Number of trench :	TC-40 (not surveyed in detail)		
2.	Project No. :	78/26		
3.	Area :	Kopdağ		
4.	Map No. :	Erzincan, i-44, b1, No.1		
5.	Coordinates :	24.27 N,	11.20	E
6.	Altitude :	1,910 m		
7.	Name of the mine :	Tecer (10,000) (southern chrome zone)		
8.	Location and communication :	Sögütçayırıdağ, Tecer, Aşkale, Erzurum, 80 minutes from Sığankale Y., on foot		
9.	Type etc. :	trench for exploration		
10.	Host rock :	serpentine		
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 75° 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		
14.	Ore :			
	Type of the ore ;	★		
	Ore minerals ;	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	1	m
		width	0.5	m
16.	Volume of the trench estimated :	4 m ³		
17.	The largest amount of the ore estimated which is taken from the trench :	2 ton		
18.	Amount of stock of the ore :	*		
19.	Relation to the other trenches and galleries :	TC-29		
20.	Laboratorial tests :	-		
21.	Remarks :	no sketch map		

List of trenches and galleries

- | | | |
|-----|--|---|
| 1. | Number of trench : | TC-41 (not surveyed in detail) |
| 2. | Project No. : | 78/26 |
| 3. | Area : | Kopdağ |
| 4. | Map No. : | Trabzon, H-44, c3, No.4 |
| 5. | Coordinates : | 30.32 N, 21.89 E |
| 6. | Altitude : | 2,350 m |
| 7. | Name of the mine : | Arapçayıridere (10,000) |
| 8. | Location and communication : | Fatteninyurdu Sr., Kop, Bayburt, Gümü-
şhane, 60 minutes from Sıçankale Y.,
on foot and by car |
| 9. | Type etc. : | trench or pit for exploration |
| 10. | Host rock : | strongly serpentinized dunite |
| 11. | Orebody : | |
| | Stratigraphic horizon in
ultrabasic rocks ; | middle horizon (upper part) |
| | Amount of the orebody ; | 1 |
| | Direction of the orebody ; | strike N 40° E * dip 60° NW* |
| | | (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, * % Cr ₂ O ₃
analytical value, 45.11 % Cr ₂ O ₃ from the
outcrop, high-grade part |
| 15. | The largest scale of the
orebody estimated : | extension to strike-side * m |
| | | extension to dip-side 1 m |
| | | width 0.5 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 : | 0.6 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 |

List of trenches and galleries

- | | |
|--|---|
| 1. Number of trench : | TC-42 (not surveyed in detail) |
| 2. Project No. : | 78/26 |
| 3. Area : | Kopdağ |
| 4. Map No. : | Erzincan, i-44, b1, No.1 |
| 5. 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 Sıçankale 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 ; | 1 |
| Direction of the orebody ; | strike * dip * |
| | (Direction of the ore zone ; N 30° E) |
| Scale of the orebody observed ; | extension to strike-side * m |
| | extension to dip-side 0.5 m |
| | width 0.3 m |
| Shape of the orebody ; | lenticular |
| 12. Chromite banding around the
orebody : | strike N 10° E dip 80° E |
| 13. Fault around the orebody : | not observed |
| 14. Ore : | |
| Type of the ore ; | ★ |
| Ore minerals ; | chromite |
| Gangue minerals ; | serpentine, magnesite, stichtite |
| 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. 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 |
| 20. Laboratorial tests : | X-ray diffractive analysis (Cx-2) |
| 21. Remarks : | no sketch map |