

KEY TO FLORA TABLES (Tables B1-B3) (1/3)

ENDEMISM (Endemic to Turkey)

R: Regional Endemic : Endemic to the study area and its larger vicinity (Yusufeli and its vicinity, Coruh River Valley, Artvin Province, and neighbouring Erzurum Province)

W: Widespread Endemic : Endemic to Turkey, and widespread either in Turkey or in East Anatolia

TRDB (Turkish Red Data Book of Plants)

(Ekim, et al., 2000)

[based on IUCN criteria of 1994 (ver 2.3)]

EX : Extinct

EW : Extinct in the wild

CR : Critically endangered

EN : Endangered

VU : Vulnerable

LR : Lower risk

cd : conservation dependent

nt : near threatened

lc : least concern

DD : Data deficient

NE : Not evaluated

RELATIVE ABUNDANCE

(Braun-Blanquet)

+: Species not abundant and coverage is weak

1: Species abundant, but coverage is weak

2: Species abundant and covers 5-25 % of the area

3: Species sufficiently abundant and covers 25-50 % of the area

4: Species sufficiently abundant and covers 50-75 % of the area

5: Species sufficiently abundant and covers 75-100 % of the area

HABITAT TYPES

1- VALLEY BED ALONG RIVER SHORELINES

1.1 : *Alnus glutinosa-Salix wilhelmsiana* communities (Black alder-willow)

1.2 : *Tamarix smyrnensis-Ficus carica* communities (Tamarisk-fig)

1.3 : *Salix wilhelmsiana-Tamarix smyrnensis* communities (Willow-tamarisk)

2- XEROPHYTE SHRUBS

2.1 : *Paliurus spina-christi-Acer divergens-Juniperus oxycedrus* communities
(Christ's thorn-maple-cade)

2.2 : *Paliurus spina-christi-Artemisia sp.-Cotinus coggyria* communities
(Christ's thorn-wormwood-smoke tree)

3- ROCKY AREAS

3.1: *Micromeria elliptica-Stachys viscosa* communities (*Topukcayi*-woundwort)

3.2: *Centaurea simplicicaulis-Micromeria elliptica* communities (Corn flower-*topukcayi*)

3.3: *Campanula troegerae-Centaurea pecho* communities (Rampion-knapweed)

4- STEPPE

4.1 : *Astragalus microcephalus-Centaurea straminecephala* communities (Vetch-centaurea)

5- FOREST AREAS

5.1 : *Juniperus excelsa-Juniperus oxycedrus-Ostrya carpinifolia* communities
(Greek juniper-cade-hop hornbeam)

5.2 : *Quercus petraea-Juniperus oxycedrus* communities (Durmast-cade)

5.3 : *Juniperus excelsa-Ostrya carpinifolia* communities (Greek juniper-hop hornbeam)

5.4 : *Pinus sylvestris-Ostrya carpinifolia* communities (Scotch pine-hop hornbeam)

6- CULTIVATED AREAS

7- BARE ROCKS

KEY TO FLORA TABLES (Tables B1-B3) (2/3)

IUCN (IUCN Red List of Threatened Species) (IUCN: The World Conservation Union)

(IUCN 2003. 2003 IUCN Red List of Threatened Species. <www.redlist.org>. Downloaded on 06 January 2004.)

IUCN Red List Categories and Criteria, 1994 (ver. 2.3)

EX: Extinct

EW: Extinct in the wild

CR: Critically endangered

EN: Endangered

VU: Vulnerable

LR: Lower risk

cd: conservation dependent

nt: near threatened

lc: least concern

DD: Data deficient

NE: Not evaluated

IUCN Red List Categories and Criteria, 2001 (ver. 3.1)*

EX: Extinct

EW: Extinct in the wild

CR: Critically endangered

EN: Endangered

VU: Vulnerable

NT: Near threatened

LC: Least concern

DD: Data deficient

NE: Not evaluated

* The IUCN Red List Categories and Criteria have undergone an extensive review in recent years and the revised Categories and Criteria (version 3.1) was published in 2001. All new assessments and reassessments on the IUCN Red List use this system, however, reassessments are not yet complete. Both 1994 (ver 2.3) and 2001 (ver 3.1) categories are presented above for comparison. The categories in the following flora tables (and in the fauna tables in Appendix C and D) are the IUCN categories of year 1994 (ver 2.3). Finally, it should be noted that none of the flora species identified in the study area, endemic or non-endemic, is on the IUCN Red List.

CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora)

App1 (Appendix 1): Species threatened with extinction. Trade in specimens of these species is permitted only in exceptional circumstances.

App2 (Appendix 2): Species not necessarily threatened with extinction, but their trade must be controlled to avoid utilization incompatible with their survival.

App3 (Appendix 3): Species protected in at least one country, and their trading is under control by CITES.

BERN (Bern Convention [Convention on the Conservation of European Wildlife and Natural Habitats])

Anx1 (Annex 1): Strictly Protected Flora Species

KEY TO FLORA TABLES (Tables B1-B3) (3/3)

PHYTO-GEOGRAPHIC REGION

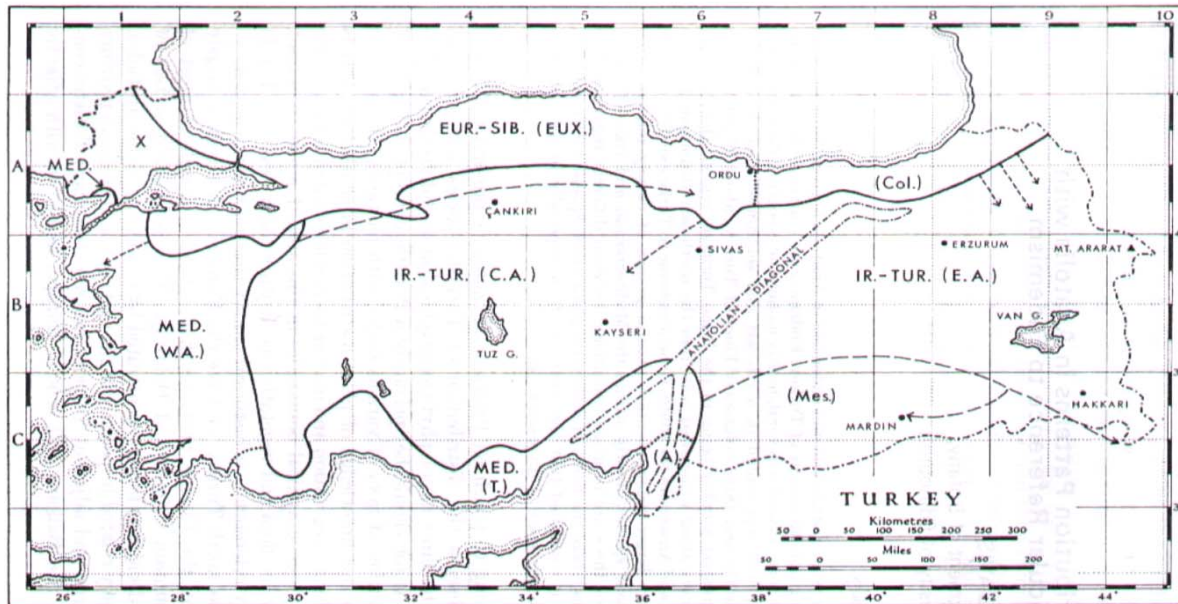


Figure B1. Phyto-geographic Regions in Turkey (same figure as Figure 2.10 in Chapter 2)

[from Davis P.H, Harper P.C. and Hege, I.C. (eds.), 1971. Plant Life of South-West Asia. The Botanical Society of Edinburgh.]

EUR.-SIB. (EUX.): Euro-Siberian Region (Euxine province); Col.: Colchic sector of Euxine province.

MED.: Mediterranean Region (east Mediterranean province); W.A.: west Anatolian district; T.: Taurus district; A.: Amanus district.

IR.-TUR.: Irano-Turanian Region; C.A.: central Anatolia; E.A.: east Anatolia (Mes.: Mesopotamia).

X.: Probably central European/Balkan province of Euro-Siberian region.

---> Euro-Siberian penetrations. - - - -> Mediterranean penetrations.

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern				
						R	W	TRDB	IUCN	BERN		CITES	
									Anx1	App1	App2	App3	
EQUISETACEAE	1	<i>Equisetum arvense</i> L.	Atkuyrugu	Horsetail									
	2	<i>Equisetum telmateia</i> Ehrh.	Atkuyrugu										
SINOPTERIDACEAE	3	<i>Chelianthes persica</i> (Bory) L.											
ADIANTACEAE	4	<i>Adiantum capillus-veneris</i> L.	Baldirikara	Venus's hair									
HYPOLEPIDACEAE	5	<i>Pteridium aquilinum</i> (L.) Kuhn	Kartal egrettisi	Brake fern									
ASPLENIACEAE	6	<i>Asplenium tichomones</i> L.		Wall rue									
	7	<i>Ceterach officinarum</i> DC.	Altinotu										
ATHYRIACEAE	8	<i>Cystopteris fragilis</i> (L.) Bernh.											
CUPRESSACEAE	9	<i>Juniperus foetidissima</i> Willd.	Kokarardic										
	10	<i>Juniperus excelsa</i> Bieb.	Bozardic										
	11	<i>Juniperus oxycedrus</i> L. subsp. <i>oxycedrus</i>											
PINACEAE	12	<i>Pinus sylvestris</i> L. var. <i>hamata</i> Steven	Saricam		Euxine								
EPHEDRACEAE	13	<i>Ephedra major</i> Host		Ephedra									
RANUNCULACEAE	14	<i>Clematis vitalba</i> L.	Akasma										
	15	<i>Consolida hohenackeri</i> (Boiss.)Gross.			Iran-Turan								
	16	<i>Ranunculus repens</i> L.	Duguncicegi	Creeping buttercup									
	17	<i>Ranunculus constantinopolitanus</i> (DC.) d'Urv.	Duguncicegi										
	18	<i>Thalictrum minus</i> L. var. <i>majus</i> (Crantz) Crepin											
	19	<i>Ceratocephalus falcatus</i> (L.) Pers.											
BERRERIDACEAE	20	<i>Berberis vulgaris</i> L.	Kadintuzlugu	Barberry									
PAPAVERACEAE	21	<i>Chelidonium majus</i> L.	Kirlangicotu	Swallow-wort	Euro-Siberian								
	22	<i>Roemeria hybrida</i> (L.) DC.											
	23	<i>Papaver dubium</i> L.	Gelincik	Poppy									
	24	<i>Papaver rhoeas</i> L.	Gelincik										
	25	<i>Glaucium comiculatum</i> (L.) Rud. ssp. <i>orniculatum</i>	Gelincik										
CRUCIFERAE	26	<i>Rapistrum rugosum</i> (L.) All.											
	27	<i>Hirsfeldia incana</i> (L.) Lag.-Foss.											
	28	<i>Conringia perfoliata</i> (C.A.Mey) Busch											
	29	<i>Lepidium perfoliatum</i> L.		Cress									
	30	<i>Lepidium vesicarium</i> L.											

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
1	<i>Equisetum arvense</i> L.	x		x														x						0-1700
2	<i>Equisetum telmateia</i> Ehrh.	x		x														x						0-1200
3	<i>Chelianthes persica</i> (Bory) L.						x											x						300-2300
4	<i>Adiantum capillus-veneris</i> L.		x															x						0-800
5	<i>Pteridium aquilinum</i> (L.) Kuhn									x	x							x						0-1900
6	<i>Asplenium tichomanes</i> L.	x		x														x						500-2000
7	<i>Ceterach officinarum</i> DC.					x	x											x						10-1300
8	<i>Cystopteris fragilis</i> (L.) Bernh.					x	x											x						0-3000
9	<i>Juniperus foetidissima</i> Willd.									x	x	x								x				700-1800
10	<i>Juniperus excelsa</i> Bieb.									x		x								x				0-1300
11	<i>Juniperus oxycedrus</i> L. subsp. <i>oxycedrus</i>				x	x				x	x	x								x				300-2300
12	<i>Pinus sylvestris</i> L. var. <i>hamata</i> Steven												x					x		x				100-1200
13	<i>Ephedra major</i> Host				x	x							x					x						300-3000
14	<i>Clematis vitalba</i> L.				x	x				x	x	x							x					0-1500
15	<i>Consolida hohenerkeri</i> (Boiss.)Gross.								x									x						900-1600
16	<i>Ranunculus repens</i> L.				x	x			x	x								x						0-2450
17	<i>Ranunculus constantinopolitanus</i> (DC.) d'Urv.	x																x						0-2000
18	<i>Thalictrum minus</i> L. var. <i>majus</i> (Crantz) Crepin	x																x						500-2600
19	<i>Ceratocephalus falcatus</i> (L.) Pers.				x	x			x									x						0-1800
20	<i>Berberis vulgaris</i> L.				x	x													x					900-1500
21	<i>Chelidonium majus</i> L.		x															x						0-1450
22	<i>Roemeria hybrida</i> (L.) DC.								x									x						0-1300
23	<i>Papaver dubium</i> L.				x	x			x										x					0-1000
24	<i>Papaver rhoeas</i> L.				x	x			x											x				0-1400
25	<i>Glaucium corniculatum</i> (L.) Rud. ssp. <i>orniculatum</i>				x				x									x						0-1300
26	<i>Rapistrum rugosum</i> (L.) All.				x	x			x									x						0-1000
27	<i>Hirsfeldia incana</i> (L.) Lag.-Foss.				x	x				x								x						0-1900
28	<i>Conringia perfoliata</i> (C.A.Mey) Busch				x	x												x						600-1300
29	<i>Lepidium perfoliatum</i> L.				x	x			x	x									x					0-1400
30	<i>Lepidium vesicarium</i> L.				x	x												x						300-2000

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
									Anx1	App1	App2	App3		
	31	<i>Lepidium lyratum</i> L.												
	32	<i>Cardaria draba</i> (L.) Desv. subsp. <i>chalepensis</i> (L.) O.E. Schulz												
	33	<i>Isatis erzurumica</i> Davis	Erzurum civitotu		Iran-Turan		End.	LR(nt)						
	34	<i>Capsella bursa-pastoris</i> (L.) Medik.	Cobancantasi	Shepherd's purse	—									
	35	<i>Alyssum artvinense</i> Busch		Wadwort			End.	LR(cd)						
	36	<i>Alyssum armenum</i> Boiss.												
	37	<i>Erysimum cuspidatum</i> (Bieb.) DC.												
	38	<i>Ricotia aucheri</i> (Boiss.)B. L. Burtl			Iran-Turan									
	39	<i>Clypeola jonthlaspi</i> L.												
	40	<i>Clypeola raddeana</i> Albow					End.	EN						
	41	<i>Erophila verna</i> (L.) Chevall subsp. <i>verna</i>												
	42	<i>Arabis caucasica</i> Willd. subsp. <i>caucasica</i>		Wall cress										
	43	<i>Arabis nova</i> Vill.		Wall cress										
	44	<i>Nasturtium officinale</i> R.Br.	Su teresi	Water cress										
	45	<i>Descurainia sophia</i> (L.) Webb ex Prantl												
	46	<i>Cardamine bulbifera</i> (L.) Crantz		Bitter cress										
	47	<i>Alliaria petiolata</i> (Bieb.) Cavara et Grande												
	48	<i>Sisymbrium officinale</i> (L.) Scop.		Hedge mustard										
	49	<i>Sisymbrium loeselii</i> L.		Hedge mustard										
	50	<i>Sterigmostemum incanum</i> Bieb.			Iran-Turan									
CAPPARACEAE	51	<i>Capparis ovata</i> Desf. var. <i>herbacea</i> (Willd.) Zoh.	Kapari											
	52	<i>Cleome ornithopodioides</i> L.												
RESEDACEAE	53	<i>Reseda lutea</i> L. var. <i>lutea</i>	Muhabbet cicegi	Mignonette	—									
	54	<i>Reseda globosa</i> Fisch. et Mey.	Muhabbet cicegi					CR						
CISTACEAE	55	<i>Helianthemum nummularium</i> (L.) Miller subsp. <i>tomentosum</i> (Scop.)Schinz et Thellung		Sunrose										
	56	<i>Helianthemum salicifolium</i> (L.) Miller												
	57	<i>Fumana procumbens</i> (Dun.) Gren.et Godr.												
VIOLACEAE	58	<i>Viola sieheana</i> Becker	Menekse	Violet										

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FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern				
						R	W		IUCN	BERN		CITES	
									Anx1	App1	App2	App3	
POLYGALACEAE	59	<i>Polygala alpestris</i> Reichb.		Milkwort									
	60	<i>Polygala supina</i> Schreb		Milkwort									
PORTULACACEAE	61	<i>Portulaca oleraceae</i> L.	Semizotu	Purslane									
CARYOPHYLLACEAE	62	<i>Minuartia micrantha</i> Schischk.											
	63	<i>Arenaria rotundifolia</i> Bieb. subsp. <i>rotundifolia</i>											
	64	<i>Stellaria holostea</i> L.		Stitch wort									
	65	<i>Sagina procumbens</i> L.											
	66	<i>Cerastium armeniacum</i> Gren.					End.	LR(lc)					
	67	<i>Dianthus pallens</i> Sibth. et Sm. var. <i>oxylepis</i> Boiss	Yabani karanfil										
	68	<i>Dianthus orientalis</i> Adams	Yabani karanfil										
	69	<i>Dianthus calocephalus</i> Boiss.	Yabani karanfil										
	70	<i>Velezia rigida</i> L.											
	71	<i>Petrorhagia saxifraga</i> (L.) Link				Euro-Siberian							
72	<i>Gypsophila simulatrix</i> Bornm. et Woron.	Coven					End.	LR(lc)					
73	<i>Gypsophila elegans</i> Bieb.	Coven											
74	<i>Saponaria prostrata</i> Willd. subsp. <i>calvertii</i>	Sabun otu											
75	<i>Silene bupleuroides</i> L.												
76	<i>Silene italica</i> (L.) Pers.			Catchfly									
77	<i>Silene marshallii</i> C. A. Meyer				Iran-Turan								
78	<i>Silene armena</i> Boiss. var. <i>armena</i>						End.	LR(lc)					
79	<i>Silene saxatilis</i> Sims												
80	<i>Silene cappadocica</i> Boiss. & Heldr.			Catchfly									
81	<i>Silene vulgaris</i> (Moench) Garcke var. <i>vulgaris</i>	Giviskan otu		Catchfly									
82	<i>Silene alba</i> (Miller) Krause subsp. <i>divaricata</i> (Reichb.) Walters	Gicigici		Catchfly									
83	<i>Agrostemma githago</i> L.	Bugday cicegi		Corn cockle									
ILLECEBRACEAE	84	<i>Paronychia kurdica</i> Boiss. subsp. <i>kurdica</i> . var. <i>kurdica</i>		Willow-wort									
POLYGONACEAE	85	<i>Polygonum lapathifolium</i> L.	Sogiot otu	Common polypody									
	86	<i>Polygonum arenastratum</i> Bor.		Polypody									

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NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
59	<i>Polygala alpestris</i> Reichb.									x	x		x	x				x						200-2600
60	<i>Polygala supina</i> Schreb									x									x					0-2500
61	<i>Portulaca oleraceae</i> L.															x			x					0-1500
62	<i>Minuartia micrantha</i> Schischk.									x									x					700-1200
63	<i>Arenaria rotundifolia</i> Bieb. subsp. <i>rotundifolia</i>					x				x									x					100-2750
64	<i>Stellaria holostea</i> L.				x											x			x					50-1600
65	<i>Sagina procumbens</i> L.	x	x															x						0-2300
66	<i>Cerastium armeniacum</i> Gren.				x	x													x					1400-2200
67	<i>Dianthus pallens</i> Sibth. et Sm. var. <i>oxylepis</i> Boiss						x	x	x											x				0-700
68	<i>Dianthus orientalis</i> Adams						x	x	x											x				500-3100
69	<i>Dianthus calocephalus</i> Boiss.				x	x													x					400-2300
70	<i>Velezia rigida</i> L.				x	x													x					0-2000
71	<i>Petrorhagia saxifraga</i> (L.) Link						x			x										x				0-1500
72	<i>Gypsophila simulatrix</i> Bornm. et Woron.						x	x	x	x										x				500-1100
73	<i>Gypsophila elegans</i> Bieb.									x									x					650-2600
74	<i>Saponaria prostrata</i> Willd. subsp. <i>calvertii</i>				x	x												x						1200-1300
75	<i>Silene bupleuroides</i> L.						x	x	x										x					1500-2000
76	<i>Silene italica</i> (L.) Pers.				x	x													x					100-2400
77	<i>Silene marshallii</i> C. A. Meyer				x	x													x					1300-3000
78	<i>Silene armena</i> Boiss. var. <i>armena</i>				x	x													x					800-2000
79	<i>Silene saxatilis</i> Sims						x	x	x											x				200-3400
80	<i>Silene cappadocica</i> Boiss. & Heldr.									x									x					800-2300
81	<i>Silene vulgaris</i> (Moench) Garcke var. <i>vulgaris</i>				x	x													x					0-3000
82	<i>Silene alba</i> (Miller) Krause subsp. <i>divaricata</i> (Reichb.) Walters				x	x										x		x						500-3500
83	<i>Agrostemma githago</i> L.															x		x						0-1750
84	<i>Paronychia kurdica</i> Boiss. subsp. <i>kurdica</i> . var. <i>kurdica</i>									x									x					300-1400
85	<i>Polygonum lapathifolium</i> L.	x	x													x		x						0-1500
86	<i>Polygonum arenastratum</i> Bor.									x						x		x						0-2300

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FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern				
						R	W	TRDB	IUCN	CITES			
									Anx1	App1	App2	App3	
	87	<i>Rumex scutatus</i> L.	Kuzu kulagi	Small sorrel									
	88	<i>Rumex crispus</i> L.	Evelik	Small sorrel	—								
	89	<i>Rumex pulcher</i> L.		Small sorrel									
	90	<i>Atraphaxis billardieri</i> Jaub. & Spach var. <i>tournefortii</i> (Jaub. & Spach) Cullen			Iran-Turan								
CHENOPODIACEAE	91	<i>Polycnemum verrucosum</i> Lang											
	92	<i>Chenopodium botrys</i> L.		Gossefoot									
	93	<i>Noaea mucronata</i> (Forssk.) Aschers. & Schweinf. subsp. <i>tournefortii</i> (Spach) Aellen											
	94	<i>Kochia prostrata</i> (L.) Schrad.		Goodking Henri									
	95	<i>Ceratocarpus arenarius</i> L.											
	96	<i>Allenia glauca</i> (Bieb.) Aellen subsp. <i>glauca</i>											
	97	<i>Salsola ruthenica</i> Iljin		Russian thistle									
AMARANTHACEAE	98	<i>Amaranthus retroflexus</i> L.	Horoz ibigi	Pig weed									
PHYTOLACCACEAE	99	<i>Phytolacca americana</i> L.	sekerciboyasi	Poke weed									
TAMARICACEAE	100	<i>Tamarix smyrnensis</i> Bunge	Ilgin	Tamarisk									
GUTTIFERAE (=Hypericaceae)	101	<i>Hypericum montbretii</i> Spach	Binbirdelikotu	St. John's wort									
	102	<i>Hypericum bithyonicum</i> Boiss.	Binbirdelikotu	St. John's wort									
	103	<i>Hypericum montanum</i> L.	Binbirdelikotu		Euro-Siberian								
	104	<i>Hypericum perforatum</i> L.	Binbirdelikotu	St. John's wort	—								
MALVACEAE	105	<i>Malva sylvestris</i> L.	Ebegumeci	Musk mallow	—								
	106	<i>Malva neglecta</i> Wallr.	Ebegumeci	Musk mallow									
	107	<i>Alcea calvertii</i> (Boiss.) Boiss.	Hatmi	Holyhock			End.	LR(lc)					
	108	<i>Alcea excubita</i> Iljin	Hatmi	Holyhock									
LINACEAE	109	<i>Linum austriacum</i> L. subsp. <i>austriacum</i>	Yabani keten	Flax									
	110	<i>Linum tenuifolium</i> L.	Yabani keten										
	111	<i>Linum catharticum</i> L.	Yabani keten	Flax									
GERANIACEAE	112	<i>Geranium lucidum</i> L.	Turnagagasi	Crane's bill	—								
	113	<i>Geranium rotundifolium</i> L.	Turnagagasi	Crane's bill									
	114	<i>Geranium pusillum</i> Burm.	Turnagagasi	Crane's bill									

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)		
		1			2		3			4	5				6	7	+	1	2	3		4	5
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4									
87	<i>Rumex scutatus</i> L.	x														x		x					300-2200
88	<i>Rumex crispus</i> L.		x													x		x					0-2300
89	<i>Rumex pulcher</i> L.		x													x		x					0-1300
90	<i>Atraphaxis billardieri</i> Jaub. & Spach var. <i>tournefortii</i> (Jaub. & Spach) Cullen				x	x				x	x								x				500-1000
91	<i>Polycnemum verrucosum</i> Lang									x							x						0-100
92	<i>Chenopodium botrys</i> L.															x		x					0-1900
93	<i>Noaea mucronata</i> (Forssk.) Aschers. & Schweinf. subsp. <i>tournefortii</i> (Spach) Aellen				x	x				x									x				1600-2200
94	<i>Kochia prostrata</i> (L.) Schrad.									x										x			0-1300
95	<i>Ceratocarpus arenarius</i> L.									x									x				1000-13000
96	<i>Allenia glauca</i> (Bieb.) Aellen subsp. <i>glauca</i>									x								x					1300
97	<i>Salsola ruthenica</i> Iljin									x								x					0-1750
98	<i>Amaranthus retroflexus</i> L.															x		x					0-1900
99	<i>Phytolacca americana</i> L.															x		x					0-500
100	<i>Tamarix smyrnensis</i> Bunge		x	x															x				0-1000
101	<i>Hypericum montbretii</i> Spach				x	x												x					200-1700
102	<i>Hypericum bithynicum</i> Boiss.				x	x					x							x					120-2700
103	<i>Hypericum montanum</i> L.				x	x	x											x					200-1500
104	<i>Hypericum perforatum</i> L.															x		x					0-2500
105	<i>Malva slyvestris</i> L.															x		x					0-500
106	<i>Malva neglecta</i> Wallr.															x		x					0-2000
107	<i>Alcea calvertii</i> (Boiss.) Boiss.				x	x				x	x							x					600-1500
108	<i>Alcea excubita</i> Iljin				x	x												x					600-1800
109	<i>Linum austriacum</i> L. subsp. <i>austriacum</i>				x	x													x				0-1800
110	<i>Linum tenuifolium</i> L.				x	x												x					200-1700
111	<i>Linum catharticum</i> L.				x	x												x					0-2500
112	<i>Geranium lucidum</i> L.				x	x					x							x					0-1700
113	<i>Geranium rotundifolium</i> L.				x	x												x					0-1700
114	<i>Geranium pusillum</i> Burm.				x	x												x					400-2100

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
									Anx1	App1	App2	App3		
	115	<i>Erodium cicutarium</i> (L.) L Herit subsp. <i>cutarium</i>		Heron's bill										
	116	<i>Pelargonium endlicherianum</i> Fenzl	Solucan otu	Geranium										
OXALIDACEAE	117	<i>Oxalis acetosella</i> L.	Eksi yonca	Shamrock										
ZYGOPHYLLACEAE	118	<i>Zygophyllum fabago</i> L.	Yabani kimyon	Syrian beancaper	Iran-Turan									
	119	<i>Tribulus terrestris</i> L.	Demirdikeni	Caltrop										
	120	<i>Peganum harmala</i> L.	Uzerlik	Harmel										
ACEARACEAE	121	<i>Acer divergens</i> Pax var. <i>divergens</i>	Akcaagac	Maple		End.		VU						
	122	<i>Acer campstre</i> L. subsp. <i>campestre</i>	Akcaagac	Maple										
VITACEAE	123	<i>Vitis sylvestris</i> Gmelin	Yabani uzum	Grape										
RHAMNACEAE	124	<i>Paliurus spina-christi</i> Miller	Karacali	Christ's thorn	—									
	125	<i>Frangula alnus</i> Miller subsp. <i>alnus</i>	Barut agaci											
	126	<i>Rhamnus pallasii</i> Fisch.et.Mey.	Cehri	Buckthorn										
ANACARDIACEAE	127	<i>Cotinus coggyria</i> Scop.	Perukagaci	Smoke tree										
	128	<i>Rhus coriaria</i> L.	Sumak	Sumack										
RUTACEAE	129	<i>Haplophyllum armenum</i> Spach.					End.	LR(lc)						
CELASTRACEAE	130	<i>Euonymus europaeus</i> L.	Ig agaci	Spindle-tree	Euro-Siberian									
LEGUMINOSAE (Fabaceae)	131	<i>Chamaecytisus hirsutus</i> (L.) Link												
	132	<i>Colutea armena</i> Boiss. & Huet.	Patlangac											
	133	<i>Chesneya elegans</i> Fomin			Iran-Turan		End.	LR(cd)						
	134	<i>Genista aucheri</i> Boiss.			Iran-Turan		End.	LR(lc)						
	135	<i>Caragana grandiflora</i> Bieb.			Iran-Turan									
	136	<i>Astragalus flaccidus</i> Bieb.	Geven	Vetch										
	137	<i>Astragalus ornithopodioides</i> Lam.	Geven		Iran-Turan									
	138	<i>Astragalus taochicus</i> Woron.	Geven											
	139	<i>Astragalus sommieri</i> Freyn	Geven		Iran-Turan									
	140	<i>Astragalus mesites</i> Boiss. et Bushe	Geven		Iran-Turan									
	141	<i>Astragalus dipsaceus</i> Bunge	Geven		Iran-Turan		End.	LR(lc)						
	142	<i>Astragalus hyololepis</i> Bunge	Geven		Iran-Turan									
	143	<i>Astragalus lasioglottis</i> Stev.	Geven	Vetch										
	144	<i>Astragalus aduncus</i> Willd.	Geven		Iran-Turan									

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NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
115	<i>Erodium cicutarium</i> (L.) L Herit subsp. <i>cicutarium</i>				x										x			x						0-2000
116	<i>Pelargonium endlicherianum</i> Fenzl				x	x	x											x						400-2000
117	<i>Oxalis acetosella</i> L.														x			x						10-1700
118	<i>Zygophyllum fabago</i> L.								x									x						50-1000
119	<i>Tribulus terrestris</i> L.														x			x						0-1200
120	<i>Peganum harmala</i> L.								x									x						0-1500
121	<i>Acer divergens</i> Pax var. <i>divergens</i>				x	x				x	x	x								x				400-1100
122	<i>Acer campstre</i> L. subsp. <i>campestre</i>											x	x						x					0-1600
123	<i>Vitis sylvestris</i> Gmelin	x	x		x														x					0-1600
124	<i>Paliurus spina-christi</i> Miller				x	x			x	x	x	x	x	x								x		0-1400
125	<i>Frangula alnus</i> Miller subsp. <i>alnus</i>														x			x						10-1700
126	<i>Rhamnus pallasii</i> Fisch.et.Mey.				x	x	x			x	x									x				450-1600
127	<i>Cotinus coggyria</i> Scop.				x	x				x	x	x										x		0-1300
128	<i>Rhus coriaria</i> L.				x	x												x						600-1900
129	<i>Haplophyllum armenum</i> Spach.				x	x												x						100-2000
130	<i>Euonymus europaeus</i> L.											x	x					x						0-1600
131	<i>Chamaecytisus hirsutus</i> (L.) Link				x	x													x					100-1600
132	<i>Colutea armena</i> Boiss. & Huet.				x	x													x					150-1500
133	<i>Chesneya elegans</i> Fomin				x	x													x					650-1650
134	<i>Genista aucheri</i> Boiss.				x	x			x										x					500-2000
135	<i>Caragana grandiflora</i> Bieb.					x													x					1200-1500
136	<i>Astragalus flaccidus</i> Bieb.				x	x			x									x						400-1500
137	<i>Astragalus ornithopodioides</i> Lam.				x	x			x										x					700-1300
138	<i>Astragalus taochicus</i> Woron.								x										x					600-950
139	<i>Astragalus sommieri</i> Freyn								x									x						600-1000
140	<i>Astragalus mesites</i> Boiss. et Bushe				x	x												x						1000-1280
141	<i>Astragalus dipsaceus</i> Bunge				x	x													x					600-1300
142	<i>Astragalus hyololepis</i> Bunge								x										x					1600-2400
143	<i>Astragalus lasioglottis</i> Stev.								x										x					400-600
144	<i>Astragalus aduncus</i> Willd.				x	x			x										x					300-2400

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN			CITES	
									Anx1	App1	App2	App3		
	145	<i>Astragalus microcephalus</i> Willd.	Geven	Vetch										
	146	<i>Astragalus stevenianus</i> DC. var. <i>stevenianus</i>	Geven	Vetch										
	147	<i>Astragalus fumosus</i> Boriss.	Geven	Vetch										
	148	<i>Vicia crocea</i> (Desf.) B. Fedtsch.	Yabani fig	Vetch										
	149	<i>Vicia grandiflora</i> Scop. var. <i>grandiflora</i>	Yabanifig	Vetch										
	150	<i>Vicia sativa</i> L. subsp. <i>nigra</i> (L.) Ehrh. var. <i>nigra</i>	Yabanifig	Vetch										
	151	<i>Lathyrus aureus</i> (Stev.) Brandza	Yabaniburcak	Sweet pea	Euxine									
	152	<i>Lathyrus laxiflorus</i> (Desf.) O. Kuntze subsp. <i>laxiflorus</i>	Yabaniburcak	Sweet pea										
	153	<i>Lathyrus nissolia</i> L.	Yabaniburcak	Everlasting pea										
	154	<i>Lathyrus woronowii</i> Bornm.	Yabaniburcak			End.		CR						
	155	<i>Lathyrus aphacca</i> L. var. <i>floribundus</i> (Vel.) K. Maly	Yabaniburcak	Everlasting pea										
	156	<i>Pisum sativum</i> L. subsp. <i>elatius</i> (Bieb.)	Yabanibezelye	Field pea										
	157	<i>Ononis arvensis</i> L.		Rest-harrow										
	158	<i>Trifolium tumens</i> Stev. ex Bieb.	Ucgu	Clover										
	159	<i>Trifolium medium</i> L. var. <i>medium</i>	Ucgu	Clover										
	160	<i>Trifolium canescens</i> Willd.	Ucgu	Clover										
	161	<i>Medicago lupulina</i> L.	Yonca	Luceme										
	162	<i>Medicago minima</i> (L.) Bort var. <i>minima</i>	Yonca											
	163	<i>Medicago x varia</i> Martyn	Yonca											
	164	<i>Dorycnium graecum</i> (L.) Ser.			Euxine									
	165	<i>Lotus corniculatus</i> L. var. <i>tenuifolius</i> L.		Bird's foot trefoil										
	166	<i>Coronilla orientalis</i> Miller var. <i>orientalis</i>	Tacotu	Crown vetch										
	167	<i>Onobrychis armena</i> Boiss. et Huet	Korunga				End.	LR(lc)						
	168	<i>Hedysarum huetii</i> Boiss.												
ROSACEAE	169	<i>Rubus canescens</i> DC. var. <i>canescens</i>	Bogurtlen	Blackberry	—									
	170	<i>Potentilla recta</i> L.												
	171	<i>Agrimonia eupatoria</i> L.	Koyunotu	Agrimony										
	172	<i>Sanguisorba minor</i> Scop. subsp. <i>minor</i>	Amelotu											
	173	<i>Alchemilla valdehirsuta</i> Buser												
	174	<i>Rosa elymaitica</i> Boiss. et Hauskn.	Yabanigul											

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FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
									Anx1	App1	App2	App3		
	175	<i>Rosa canina</i> L.	Kusburnu											
	176	<i>Cotoneaster nummularia</i> Fisch. & Mey.	Tavsanelmasi											
	177	<i>Pyracantha coccinea</i> Roemer	Atesdikeni											
	178	<i>Crataegus pentagynae</i> Waldst. et Kit. ex Willd.	Alic	Hawthorn										
	179	<i>Crataegus microphylla</i> C. Koch	Alic	Hawthorn										
	180	<i>Pyrus communis</i> L. subsp. <i>caucasica</i> (Fed.) Brow	Yabaniarmut	Pear	—									
	181	<i>Prunus divaricata</i> Ledeb. subsp. <i>divaricata</i>	Yabanierik											
	182	<i>Cerasus incana</i> (Pallas) Spach var. <i>incana</i>	Yabanivisne		Iran-Turan									
PUNICACEAE	183	<i>Punica granatum</i> L.	Nar											
ONAGRACEAE	184	<i>Epilobium anatolicum</i> Hausskn. subsp. <i>anatolicum</i>	Yakiotu	Willow herb										
CRASSULACEAE	185	<i>Rosularia libanotica</i> (Lab.) Muirhead												
	186	<i>Sedum album</i> L.	Damkorugu	Stonecarp										
	187	<i>Sedum telephium</i> L. subsp. <i>maximum</i> (L.) Krocke	Damkorugu		Euro-Siberian									
	188	<i>Sedum spurium</i> Bieb.	Damkorugu		Euro-Siberian									
	189	<i>Sempervivum davisii</i> Muirhead		Hause-leek										
	190	<i>Sempervivum staintonii</i> Muirhead				End.		VU						
SAXIFRAGACEAE	191	<i>Saxifraga paniculata</i> Miller subsp. <i>cartilaginea</i> (Willd.) D. A. Webb	Taskiran		Hyrcano-Euxine									
	192	<i>Saxifraga rotundifolia</i> L.		Saxifrage										
GROSSULARIACEAE	193	<i>Ribes biebersteinii</i> Berl. Ex DC.	Frenkuzumu											
UMBELLIFERAE	194	<i>Eryngium campestre</i> L. var. <i>virens</i>												
	195	<i>Actinolema macrolema</i> Boiss.												
	196	<i>Chaerophyllum angelicifolium</i> Bieb.												
	197	<i>Scandix iberica</i> Bieb.		Venus's comb										
	198	<i>Scandix pecten-veneris</i> L.		Venus's comb										
	199	<i>Bifora radians</i> Bieb.	Kokarot											
	200	<i>Seseli andronakii</i> Woron.				End.		VU						
	201	<i>Bupleurum brachiatum</i> C.Koch ex Boiss.					End.	VU						
	202	<i>Bupleurum schistosum</i> Woronow.					End.	VU						
	203	<i>Heracleum platytaenium</i> Boiss.			Euxine		End.	LR(lc)						

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NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
175	<i>Rosa canina</i> L.				x	x								x					x					30-2500
176	<i>Cotoneaster nummularia</i> Fisch. & Mey.				x	x					x	x							x					300-2800
177	<i>Pyracantha coccinea</i> Roemer				x	x						x							x					30-1800
178	<i>Crataegus pentagyna</i> Waldst. et Kit. ex Willd.				x	x					x	x								x				0-1700
179	<i>Crataegus microphylla</i> C. Koch				x	x					x	x								x				20-1450
180	<i>Pyrus communis</i> L. subsp. <i>caucasica</i> (Fed.) Brow										x	x								x				0-1650
181	<i>Prunus divaricata</i> Ledeb. subsp. <i>divaricata</i>					x						x								x				0-2500
182	<i>Cerasus incana</i> (Pallas) Spach var. <i>incana</i>						x	x												x				360-2400
183	<i>Punica granatum</i> L.				x	x										x				x				250-600
184	<i>Epilobium anatolicum</i> Hausskn. subsp. <i>anatolicum</i>		x	x																x				0-2600
185	<i>Rosularia libanotica</i> (Lab.) Muirhead						x	x												x				100-2400
186	<i>Sedum album</i> L.						x	x	x											x				100-2500
187	<i>Sedum telephium</i> L. subsp. <i>maximum</i> (L.) Krocke										x	x								x				0-2300
188	<i>Sedum spurium</i> Bieb.										x	x								x				1000-2700
189	<i>Sempervivum davisii</i> Muirhead						x	x												x				700-2300
190	<i>Sempervivum staintonii</i> Muirhead				x			x	x											x				700-1800
191	<i>Saxifraga paniculata</i> Miller subsp. <i>cartilaginea</i> (Willd.) D. A. Webb							x	x											x				200-3400
192	<i>Saxifraga rotundifolia</i> L.							x	x											x				60-2400
193	<i>Ribes biebersteinii</i> Berl. Ex DC.										x									x				600-1700
194	<i>Eryngium campestre</i> L. var. <i>virens</i>				x	x				x											x			0-1800
195	<i>Actinolema macrolema</i> Boiss.									x										x				600-1900
196	<i>Chaerophyllum angelicifolium</i> Bieb.				x	x														x				760-2000
197	<i>Scandix iberica</i> Bieb.				x	x				x										x				500-2000
198	<i>Scandix pecten-veneris</i> L.				x	x														x				0-980
199	<i>Bifora radians</i> Bieb.															x				x				700-1800
200	<i>Seseli andronakii</i> Woron.				x	x	x	x	x	x											x			350-1200
201	<i>Bupleurum brachiatum</i> C.Koch ex Boiss.				x					x										x				450-1100
202	<i>Bupleurum schistosum</i> Woronow.				x	x				x	x									x				400-1200
203	<i>Heracleum platyaenium</i> Boiss.	x	x																	x				0-1500

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FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
										Anx1	App1	App2	App3	
	204	<i>Prangos pabularia</i> Lindl.	Caksir		Iran-Turan									
	205	<i>Malabaila secacul</i> Banks et Sol.												
	206	<i>Peucedanum palimbioides</i> Boiss.					End.	LR(lc)						
	207	<i>Ferula szowitziana</i> DC.	Caksir		Iran-Turan									
	208	<i>Ferula mervinii</i> M. Sagioglu & H. Duman	Caksir		Iran-Turan	End.		CR						
	209	<i>Falcaria vulgaris</i> Bernh.												
	210	<i>Conium maculatum</i> L.	Baldiran											
	211	<i>Zosima absinthifolia</i> (Vent.) Link	Ayeli											
	212	<i>Torilis nodosa</i> (L.) Gaertner												
	213	<i>Torilis leptophylla</i> (L.) Reichb												
	214	<i>Caucalis platycarpus</i> L.												
	215	<i>Turgenia latifolia</i> (L.) Hoffm.												
CORNACEAE	216	<i>Cornus mas</i> L.	Kizilcik	Dogwood	Euro-Siberian									
	217	<i>Cornus sanguinea</i> L. subsp. <i>australis</i> (C.A.Meyer) Jav.			Euro-Siberian									
CAPRIFOLIACEAE	218	<i>Viburnum opulus</i> L.	Kartopu	Guelder rose										
	219	<i>Viburnum orientale</i> Pallas		Guelder rose										
	220	<i>Lonicera caucasica</i> Pallas subsp. <i>caucasica</i>	Hanimeli	Honey suckle										
	221	<i>Lonicera caprifolium</i> L.		Honey suckle	—									
	222	<i>Sambucus ebulus</i> L.	Cucemurver		Euro-Siberian									
	223	<i>Sambucus nigra</i> L.	Karamurver		Euro-Siberian									
DIPSACACEAE	224	<i>Dipsacus laciniatus</i> L.												
	225	<i>Scabiasa velenovskiana</i> Bobrov		Scabious										
	226	<i>Scabiasa micrantha</i> Desf.		Scabious										
	227	<i>Scabiasa crinita</i> Kotschy et Boiss.			Iran-Turan									
	228	<i>Scabiasa rotata</i> Bieb.		Scabious										
	229	<i>Centranthus longiflorus</i> Stev. subsp. <i>longiflorus</i>	Kediotu		Iran-Turan									
	230	<i>Pterocephalus plumosus</i> (L.) Coulter												
MORINACEAE	231	<i>Morina persica</i> L.			Iran-Turan									

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
204	<i>Prangos pabularia</i> Lindl.				x	x				x								x						750-3000
205	<i>Malabaila secacul</i> Banks et Sol.									x								x						100-2000
206	<i>Peucedanum palimbioides</i> Boiss.									x								x						400-1300
207	<i>Ferula szowitsiana</i> DC.									x								x						800-2150
208	<i>Ferula mervinii</i> M. Sagioglu & H. Duman				x	x		x										x						600-1100
209	<i>Falcaria vulgaris</i> Bernh.									x								x						80-2300
210	<i>Conium maculatum</i> L.		x	x												x		x						0-2400
211	<i>Zosima absinthifolia</i> (Vent.) Link									x								x						400-2000
212	<i>Torilis nodosa</i> (L.) Gaertner				x					x								x						0-1000
213	<i>Torilis leptophylla</i> (L.) Reichb					x				x								x						0-2500
214	<i>Caucalis platycarpus</i> L.									x								x						0-2200
215	<i>Turgenia latifolia</i> (L.) Hoffm.									x								x						0-3000
216	<i>Cornus mas</i> L.										x	x						x						20-1500
217	<i>Cornus sanguinea</i> L. subsp. <i>australis</i> (C.A.Meyer) Jav.				x	x												x						0-1400
218	<i>Viburnum opulus</i> L.															x		x						10-1450
219	<i>Viburnum orientale</i> Pallas															x		x						500-1800
220	<i>Lonicera caucasica</i> Pallas subsp. <i>caucasica</i>										x	x	x					x						500-2800
221	<i>Lonicera caprifolium</i> L.				x						x							x						0-600
222	<i>Sambucus ebulus</i> L.	x	x														x		x					500-2000
223	<i>Sambucus nigra</i> L.		x	x														x						0-1700
224	<i>Dipsacus laciniatus</i> L.																x		x					
225	<i>Scabiosa velenovskiana</i> Bobrov				x	x				x								x						300-1500
226	<i>Scabiosa micrantha</i> Desf.				x	x				x								x						400-2200
227	<i>Scabiosa crinita</i> Kotschy et Boiss.										x	x	x					x						730-2300
228	<i>Scabiosa rotata</i> Bieb.									x								x						350-2400
229	<i>Centranthus longiflorus</i> Stev. subsp. <i>longiflorus</i>				x	x												x						2300
230	<i>Ptercephalus plumosus</i> (L.) Coulter									x								x						0-1700
231	<i>Morina persica</i> L.				x													x						300-2750

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern				
						R	W		IUCN	BERN	CITES		
									Anx1	App1	App2	App3	
	232	<i>Morina persica</i> L. var. <i>decussatifolia</i> S. Erik & N. Demirkus			Iran-Turan	End.		EN					
COMPOSITAE (Asteraceae)	233	<i>Xanthium spinosum</i> L.		Cocklebur	—								
	234	<i>Xanthium strumarium</i> L. subsp. <i>strumarium</i>		Cocklebur									
	235	<i>Inula oculus-christi</i> L.											
	236	<i>Helichrysum arenarium</i> (L.) Moench subsp. <i>aucherii</i> (Boiss.) Davis & Kupicha	Olmezcicek		Iran-Turan		End.	LR(lc)					
	237	<i>Bombycilaena erecta</i> (L.) Smolj											
	238	<i>Senecio vulgaris</i> L.		Cinenaria	—								
	239	<i>Senecio vernalis</i> Waldst. et Kit.		Cinenaria	—								
	240	<i>Petasites hybridus</i> (L.) Gaertner		Butterbur									
	241	<i>Eupatorium cannabinum</i> L.		Hemp agrimony									
	242	<i>Anthemis tinctoria</i> L. var. <i>tinctoria</i>	Saripapatya	Chamomille									
	243	<i>Anthemis calcarea</i> Sosn. var. <i>calcarea</i>	Papatya		Iran-Turan	End.		CR					
	244	<i>Anthemis calcarea</i> Sosn. var. <i>discoidea</i>	Papatya		Iran-Turan	End.		CR					
	245	<i>Tripleurospermum fissurale</i> (Sons.) E. Hossain					End.	LR(cd)					
	246	<i>Tanacetum mucroniferum</i> Hub.-Mor. et Grierson					End.	LR(lc)					
	247	<i>Aster colchicus</i> Albow	Yildizcicegi		Euro-Siberian								
	248	<i>Achillea biserrata</i> Bieb.	Pireotu	Yarrow									
	249	<i>Achillea biebersteinii</i> Afin.			Iran-Turan								
	250	<i>Achillea schischkinii</i> Sossn.			Iran-Turan		End.	LR(lc)					
	251	<i>Artemisia austriaca</i> Jacq.	Pelinotu	Wormwood	Iran-Turan								
	252	<i>Artemisia scoparia</i> Walds. & Kit	Pelinotu	Wormwood									
	253	<i>Artemisia spicigera</i> C. Koch	Pelinotu										
	254	<i>Onopordum acanthium</i> L.	Kangal	Thistle									
	255	<i>Picnoman acarna</i> (L.) Cass.											
	256	<i>Callicephalus nitens</i> (Bieb. Ex Willd.) C. A. Meyer											
	257	<i>Centaurea aggregata</i> Fisch. et Mey. ex DC. subsp. <i>aggregata</i>	Peygambercicegi	Corn flower									
	258	<i>Centaurea iberica</i> Trev. ex Sprengel	Peygambercicegi	Corn flower									

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)		
		1			2		3			4	5				6	7	+	1	2	3		4	5
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4									
232	<i>Morina persica</i> L. var. <i>decussatifolia</i> S. Erik & N. Demirkus					x											x						1600-2200
233	<i>Xanthium spinosum</i> L.															x		x					10-1750
234	<i>Xanthium strumarium</i> L. subsp. <i>strumarium</i>			x												x		x					0-950
235	<i>Inula oculus-christi</i> L.															x		x					900-2300
236	<i>Helichrysum arenarium</i> (L.) Moench subsp. <i>aucherii</i> (Boiss.) Davis & Kupicha															x		x					600-1500
237	<i>Bombycilaena erecta</i> (L.) Smolj															x		x					0-1400
238	<i>Senecio vulgaris</i> L.															x		x					0-700
239	<i>Senecio vernalis</i> Waldst. et Kit.															x		x					0-3000
240	<i>Petasites hybridus</i> (L.) Gaertner															x	x						0-1800
241	<i>Eupatorium cannabinum</i> L.	x	x															x					0-1200
242	<i>Anthemis tinctoria</i> L. var. <i>tinctoria</i>															x		x					0-1830
243	<i>Anthemis calcarea</i> Sosn. var. <i>calcarea</i>				x		x	x	x									x					1000-1500
244	<i>Anthemis calcarea</i> Sosn. var. <i>discoidea</i>				x		x	x	x									x					1000-1500
245	<i>Tripleurospermum fissurale</i> (Sons.) E. Hossain				x	x	x											x					380
246	<i>Tanacetum mucroniferum</i> Hub.-Mor. et Grierson															x		x					500-2900
247	<i>Aster colchicus</i> Albow															x		x					1300-2100
248	<i>Achillea biserrata</i> Bieb.															x		x					150-2400
249	<i>Achillea biebersteinii</i> Afin.															x		x					350-3500
250	<i>Achillea schischkinii</i> Sossn.															x		x					700-2200
251	<i>Artemisia austriaca</i> Jacq.															x			x				300-200
252	<i>Artemisia scoparia</i> Walds. & Kit															x		x					0-1300
253	<i>Artemisia spicigera</i> C. Koch															x		x					600-1500
254	<i>Onopordum acanthium</i> L.															x		x					600-2600
255	<i>Picnoman acarna</i> (L.) Cass.				x	x										x		x					100-1600
256	<i>Callicephalus nitens</i> (Bieb. Ex Willd.) C. A. Meyer															x		x					1200
257	<i>Centaurea aggregata</i> Fisch. et Mey. ex DC. subsp. <i>aggregata</i>															x		x					700-1800
258	<i>Centaurea iberica</i> Trev. ex Sprengel															x		x					0-2300

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern				
						R	W		IUCN	BERN		CITES	
									Anx1	App1	App2	App3	
	259	<i>Centaurea simplicicaulis</i> Boiss. et Huet	Peygambercicegi	Corn flower									
	260	<i>Centaurea pecho</i> Albow	Peygambercicegi	Knapweed	Euxine	End.		VU					
	261	<i>Centaurea straminecephala</i> Hub.-Mor.	Peygambercicegi			End.		CR					
	262	<i>Centaurea hedgei</i> Wagenitz.	Peygambercicegi		Iran-Turan	End.		VU					
	263	<i>Centaurea carduiiformis</i> DC. var. <i>orientalis</i> Wagenitz	Peygambercicegi		Iran-Turan								
	264	<i>Centaurea leptophylla</i> (C. Koch) Tchihat.	Peygambercicegi	Corn flower		End.		CR					
	265	<i>Carthamus lanatus</i> L.		False saffran									
	266	<i>Xeranthemum annuum</i> L.		Immortelle									
	267	<i>Crupina crupinastrum</i> (Moris) Vis.											
	268	<i>Echinops orientalis</i> Trautv.			Iran-Turan								
	269	<i>Cichorium inybus</i> L.											
	270	<i>Scorzonera incisa</i> DC.			Iran-Turan								
	271	<i>Reichardia glauca</i> Matthews											
	272	<i>Hieracium exotericum</i> Jordan ex Bor.		Hawkweed									
	273	<i>Lactuca serriola</i> L.	Yabanimarul		Euro-Siberian								
	274	<i>Pilosella piloselloides</i> (Vill.) Sojok subsp. <i>megalomastix</i> (NP.) Sell et West											
	275	<i>Pilosella x auriculoides</i> (A.F. Lang) Sell et West											
	276	<i>Taraxacum butleri</i> van Soest	Karahindiba	Dandelion									
	277	<i>Taraxacum turcicum</i> van Soest	Karahindiba	Dandelion			End.	LR(lc)					
	278	<i>Picris strigosa</i> (L.) Link			Euro-Siberian								
CAMPANULACEAE	279	<i>Campanula latifolia</i> L.	Cancicegi	Rampion	Euro-Siberian								
	280	<i>Campanula rapunculoides</i> subsp. <i>cordifolia</i> (C.Koch) Damboldt	Cancicegi	Rampion									
	281	<i>Campanula alliarifolia</i> Willd	Cancicegi	Rampion									
	282	<i>Campanula troegerae</i> Dambolt	Cancicegi	Rampion		End.		EN					
	283	<i>Campanula betulifolia</i> C. Koch	Cancicegi	Rampion	Euxine		End.	LR(lc)					
	284	<i>Asyneuma rigidum</i> (Willd.) Grossh subsp. <i>rigidum</i>											
PRIMULACEAE	285	<i>Primula vulgaris</i> Huds. subsp. <i>vulgaris</i>	Cuhacicegi	Primrose									
	286	<i>Primula veris</i> L. subsp. <i>macrocalyx</i> (Bunge) Ludi	Cuhacicegi										

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NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)		
		1			2		3			4	5				6	7	+	1	2	3		4	5
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4									
259	<i>Centaurea simplicicaulis</i> Boiss. et Huet						x	x	x									x					400-2600
260	<i>Centaurea pecho</i> Albow				x			x		x								x					200-800
261	<i>Centaurea straminecephala</i> Hub.-Mor.					x				x									x				1100-1150
262	<i>Centaurea hedgei</i> Wagenitz.									x			x					x					450-1500
263	<i>Centaurea carduiformis</i> DC. var. <i>orientalis</i> Wagenitz				x	x												x					100-2300
264	<i>Centaurea leptophylla</i> (C. Koch) Tchihat.				x													x					700-1000
265	<i>Carthamus lanatus</i> L.												x					x					0-3000
266	<i>Xeranthemum annuum</i> L.									x								x					0-2000
267	<i>Crupina crupinastrum</i> (Moris) Vis.									x								x					100-1400
268	<i>Echinops orientalis</i> Trautv.									x								x					0-2000
269	<i>Cichorium inybus</i> L.									x						x		x					0-3000
270	<i>Scorzonera incisa</i> DC.									x								x					400-2400
271	<i>Reichardia glauca</i> Matthews									x								x					150-1700
272	<i>Hieracium exotericum</i> Jordan ex Bor.																	x					300-800
273	<i>Lactuca serriola</i> L.									x								x					0-1750
274	<i>Pilosella piloselloides</i> (Vill.) Sojak subsp. <i>megalomastix</i> (NP.) Sell et West																	x					100-2300
275	<i>Pilosella x auriculoides</i> (A.F. Lang) Sell et West				x	x												x					90-2400
276	<i>Taraxacum butleri</i> van Soest				x	x												x					150-2300
277	<i>Taraxacum turcicum</i> van Soest					x												x					600-2200
278	<i>Picris strigosa</i> (L.) Link				x	x												x					1800-2500
279	<i>Campanula latifolia</i> L.						x											x					530-2600
280	<i>Campanula rapunculoides</i> subsp. <i>cordifolia</i> (C.Koch) Damboldt										x	x						x					300-2200
281	<i>Campanula alliarifolia</i> Willd										x	x						x					0-1800
282	<i>Campanula troegerae</i> Dambolt								x									x					610
283	<i>Campanula betulifolia</i> C. Koch						x	x										x					250-2300
284	<i>Asyneuma rigidum</i> (Willd.) Grossh subsp. <i>rigidum</i>									x								x					400-3000
285	<i>Primula vulgaris</i> Huds. subsp. <i>vulgaris</i>																	x					500-2100
286	<i>Primula veris</i> L. subsp. <i>macrocalyx</i> (Bunge) Ludi																	x					500-1000

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FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
									Anx1	App1	App2	App3		
	287	<i>Androsace maxima</i> L.		Rock jasmine										
	288	<i>Lysimachia vulgaris</i> L.		Yellow loosestrifere										
	289	<i>Anagallis arvensis</i> L. var. <i>arvensis</i>	Farekulagi	Common pimperel										
EBENACEAE	290	<i>Diospyros lotus</i> L.	Karahurma											
OLEACEAE	291	<i>Jasminum fruticans</i> L.	Yasemin	Wild jasmine	Mediterranean									
	292	<i>Ligustrum vulgare</i> L.	Kurtbagri	Privet										
	293	<i>Olea europaea</i> var. <i>sylvestris</i> (Miller) Lehr	Yabanizeytin	Olive										
	294	<i>Osmanthus decorus</i> (Boiss. et Bal.) Kasapligil		Devilwood										
APOCYNACEAE	295	<i>Trachomitum venetum</i> (L.) Woodson												
	296	<i>Vinca herbacea</i> Waldst. et Kit.	Cezayir meneksesi	Periwinkle										
ASCLEPIADACEAE	297	<i>Periploca graeca</i> L. var. <i>graeca</i>												
	298	<i>Cynanchum acutum</i> L. subsp. <i>acutum</i>												
	299	<i>Vincetoxicum scandens</i> Somm. et Lev.												
GENTIANACEAE	300	<i>Centaurium pulchellum</i> (Swartz) Druce		Centaury										
	301	<i>Gentiana asclepiadea</i> L.	Gensiyen	Gentian										
CONVOLVULACEAE	302	<i>Convolvulus cantabrica</i> L.		Bindweed										
	303	<i>Convolvulus holosericeus</i> Bieb. subsp. <i>holosericeus</i>		Bindweed										
	304	<i>Convolvulus pseudoscammonia</i> C. Koch			Iran-Turan		End	LR(lc)						
	305	<i>Convolvulus arvensis</i> L.	Tosbagaotu	Lesser bindweed										
BORAGINACEAE	306	<i>Heliotropium ellipticum</i> Ledeb.		Heliotrope										
	307	<i>Myosotis heteropoda</i> Trautv.	Unutma beni	Forget me not										
	308	<i>Myosotis alpestris</i> F. W. Sch. subsp. <i>alpestris</i>	Unutma beni											
	309	<i>Paracaryum strictum</i> (C. Koch) Boiss.												
	310	<i>Paracaryum artvinense</i> R. Mill					End	LR(cd)						
	311	<i>Paracaryum montbretii</i> (H.Riedl) R. Mill					End.	DD						
	312	<i>Cynoglossum officinale</i> L.		Cynoglossum										
	313	<i>Echium italicum</i> L.	Sigirdilli		Mediterranean									
	314	<i>Echium vulgare</i> L.	Sigirdilli		Euro-Siberian									
	315	<i>Cerintho minor</i> L. subsp. <i>minor</i>			Euro-Siberian									
	316	<i>Anchusa azurea</i> Miller var. <i>azurea</i>												

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FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern					
						R	W		IUCN	BERN	CITES			
									Anx1	App1	App2	App3		
	317	<i>Rochella disperma</i> (L. fil.) C. Koch var. <i>disperma</i>												
	318	<i>Lithospermum purpureocaeruleum</i> L.		Puccoon										
	319	<i>Buglossoides arvensis</i> (L.) Johnston		Cynoglossum										
	320	<i>Onosma sericeum</i> Willd.	Emzikotu	Golden drug										
	321	<i>Onosma tenuiflorum</i> Willd.	Emzikotu		Iran-Turan									
	322	<i>Onosma isauricum</i> Boiss. & Heldr.	Emzikotu		Iran-Turan		End	LR(lc)						
	323	<i>Alkanna orientalis</i> (L.) Boiss. var. <i>orientalis</i>	Havacivaotu	Alkanet										
SOLANACEAE	324	<i>Solanum alatum</i> Moench		Egg plant										
	325	<i>Solanum dulcamara</i> L.	Tilkiuzumu	Bitter sweet	Euro-Siberian									
	326	<i>Datura stramonium</i> L.	Borucicegi	Thorn apple	—									
	327	<i>Hyoscyamus reticulatus</i> L.	Banotu											
SCROPHULARIACEAE	328	<i>Verbascum naticum</i> (Fisch. & Mey.) Hub.-Mor.	Sigirkuyugu		Iran-Turan		End.	LR(nt)						
	329	<i>Verbascum gracilescens</i> Hub.-Mor.	Sigirkuyugu		Iran-Turan	End		EN						
	330	<i>Verbascum varians</i> Freyn et Sint. var. <i>varians</i>	Sigirkuyugu	Mullein										
	331	<i>Scrophularia scopoli</i> (Hoppe ex) Pers. var. <i>scopoli</i>												
	332	<i>Scrophularia lucida</i> L.												
	333	<i>Linaria genistifolia</i> (L.) Miller subsp. <i>artvinensis</i> Davis		Toad-flax			End.	VU						
	334	<i>Veronica beccabunga</i> L.		Speedwell										
	335	<i>Veronica armena</i> Boiss. & Huet												
	336	<i>Veronica oltensis</i> Woronov.			Iran-Turan	End.		LR(cd)						
	337	<i>Bungea trifida</i> (Vahl.) C.A. Meyer			Iran-Turan									
OROBANCHACEAE	338	<i>Orobanche cernua</i> Loefl.	Canavarotu	Broomrape										
GLOBULARIACEAE	339	<i>Globularia trichosantha</i> Fisch. & Mey.	Kurecicegi											
VERBENACEAE	340	<i>Verbena orientalis</i> L.		Verbena										
LABIATAE	341	<i>Ajuga orientalis</i> L.		Bugle										
	342	<i>Ajuga chamaepitys</i> (L.) Schreber subsp. <i>chia</i> (Schreber) Arcangeli var. <i>chia</i>		Ground pine										
	343	<i>Teucrium scordium</i> L. subsp. <i>scordioides</i> (Schreber) Maire et Petitmengin		Germander										
	344	<i>Teucrium orientalis</i> L. var. <i>puberulens</i> T. Ekim			Iran-Turan									

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern				
						R	W		IUCN	BERN	CITES		
									Anx1	App1	App2	App3	
	345	<i>Teucrium polium</i> L.	Aciyavsan	Germander	Euro-Siberian								
	346	<i>Teucrium chamaedrys</i> L. subsp. <i>syspirense</i> (C. Koch) Rech. Fil.	Bodurmahmut		Iran-Turan								
	347	<i>Scutellaria albida</i> L. subsp. <i>colchica</i> (Rech. Fil.) Edmondson		Skullcap									
	348	<i>Scutellaria orientalis</i> L. subsp. <i>orientalis</i>											
	349	<i>Phlomis armeniaca</i> Willd.	Salba		Iran-Turan		End.	LR(lc)					
	350	<i>Lamium garganicum</i> L. subsp. <i>reniforme</i> (Montbret et Aucher ex Benth) R. Mill	Ballibaba	Dead nettle									
	351	<i>Galeopsis bifida</i> Boenn.		Hemp nettle									
	352	<i>Ballota nigra</i> L. subsp. <i>nigra</i>											
	353	<i>Ballota rotundifolia</i> C. Koch			Iran-Turan		End.	LR(nt)					
	354	<i>Marrubium parviflorum</i> Fisch. & Mey. subsp. <i>parviflorum</i>			Iran-Turan								
	355	<i>Sideritis montana</i> L. subsp. <i>montana</i>			Mediterranean								
	356	<i>Stachys sylvatica</i> L.	Otcayi	Woundwort									
	357	<i>Stachys viscosa</i> Montbret et Aucher ex Benth var. <i>odontophylla</i> (Freyn) Rech.	Otcayi	Woundwort			End	LR(lc)					
	358	<i>Stachys sosnowskyi</i> Kapeller	Otcayi		Iran-Turan	End.		DD					
	359	<i>Melissa officinalis</i> L. subsp. <i>altissima</i> (Sm.) Arcangeli	Ogulotu	Lemon balm									
	360	<i>Nepeta italica</i> L.		Catmint									
	361	<i>Nepeta transcaucasica</i> Brosh.											
	362	<i>Nepeta fissa</i> C. A. Meyer			Iran-Turan								
	363	<i>Origanum rotundifolium</i> Boiss.		Oregano									
	364	<i>Origanum vulgare</i> L. subsp. <i>viride</i> (Boiss.) Hayek	Kekik	Oregano									
	365	<i>Satureja hortensis</i> L.		Summer savory									
	366	<i>Satureja spicigera</i> (C.Koch.) Boiss.	Dagkekigi		Euxine								
	367	<i>Clinopodium vulgare</i> L. subsp. <i>vulgare</i>											
	368	<i>Micromeria fruticosa</i> (L.) Druce subsp. <i>serpyllifolia</i> (Bieb.) P.H. Davis	Topukcayi										

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
345	<i>Teucrium polium</i> L.									x								x						0-2050
346	<i>Teucrium chamaedrys</i> L. subsp. <i>sympirensis</i> (C. Koch) Rech. Fil.									x								x						100-2500
347	<i>Scutellaria albida</i> L. subsp. <i>colchica</i> (Rech. Fil.) Edmondson				x					x								x						0-915
348	<i>Scutellaria orientalis</i> L. subsp. <i>orientalis</i>				x	x												x						500-2000
349	<i>Phlomis armeniaca</i> Willd.				x	x				x									x					800-3250
350	<i>Lamium gargaricum</i> L. subsp. <i>reniforme</i> (Montbret et Aucher ex Benth) R. Mill				x	x												x						400-2300
351	<i>Galeopsis bifida</i> Boenn.									x								x						100-2000
352	<i>Ballota nigra</i> L. subsp. <i>nigra</i>				x	x										x		x						0-1650
353	<i>Ballota rotundifolia</i> C. Koch				x	x												x						1100-1900
354	<i>Marrubium parviflorum</i> Fisch. & Mey. subsp. <i>parviflorum</i>									x								x						450-200
355	<i>Sideritis montana</i> L. subsp. <i>montana</i>									x								x						0-1200
356	<i>Stachys sylvatica</i> L.										x	x						x						0-2440
357	<i>Stachys viscosa</i> Montbret et Aucher ex Benth var. <i>odontophylla</i> (Frey) Rech.						x	x										x						400-1000
358	<i>Stachys sosnowskyi</i> Kapeller						x											x						700-1000
359	<i>Melissa officinalis</i> L. subsp. <i>altissima</i> (Sm.) Arcangeli															x		x						0-1800
360	<i>Nepeta italica</i> L.				x	x				x								x						0-1300
361	<i>Nepeta transcaucasica</i> Brosh.									x								x						500-2500
362	<i>Nepeta fissa</i> C. A. Meyer				x	x												x						500-1500
363	<i>Origanum rotundifolium</i> Boiss.				x	x				x									x					250-1300
364	<i>Origanum vulgare</i> L. subsp. <i>viride</i> (Boiss.) Hayek			x												x			x					0-2500
365	<i>Satureja hortensis</i> L.				x	x												x						0-1920
366	<i>Satureja spicigera</i> (C.Koch.) Boiss.				x	x												x						20-1500
367	<i>Clinopodium vulgare</i> L. subsp. <i>vulgare</i>			x												x		x						0-2500
368	<i>Micromeria fruticosa</i> (L.) Druce subsp. <i>serpyllifolia</i> (Bieb.) P.H. Davis				x		x	x										x						300-1500

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern				
						R	W		IUCN	BERN	CITES		
									Anx1	App1	App2	App3	
	369	<i>Micromeria elliptica</i> C. Koch			Iran-Turan	End.		LR(lc)					
	370	<i>Acinos rotundifolius</i> Pers.											
	371	<i>Thymus sipyleus</i> Boiss. subsp. <i>rosulans</i> (Borbois) Jalas	Kekik	Thyme									
	372	<i>Mentha longifolia</i> (L) Hudson subsp. <i>longifolia</i>		Mint									
	373	<i>Mentha piperita</i> L	Nane										
	374	<i>Ziziphora tenuior</i> L.	Nane										
	375	<i>Salvia rosifolia</i> Sm.	Adacayi	Sage, clary			End.	LR(lc)					
	376	<i>Salvia huberi</i> Hedge	Adacayi		Iran-Turan		End.	LR(cd)					
	377	<i>Salvia viridis</i> L.	Adacayi	Sage, clary	Mediterranean								
	378	<i>Salvia aethiopsis</i> L.	Adacayi	Sage, clary									
	379	<i>Salvia virgata</i> Jacq.	Adacayi	Sage, clary									
	380	<i>Salvia limbata</i> C. A. Meyer	Adacayi		Iran-Turan								
	381	<i>Salvia verticillata</i> L. subsp. <i>verticillata</i>	Adacayi	Sage, clary									
	382	<i>Prunella laciniata</i> (L.) L.			Euro-Siberian								
PLUMBAGINACEA	383	<i>Plumbago europaea</i> L		Leadwort	Euro-Siberian								
	384	<i>Acantholimon atherosum</i> (Will.) Boiss. var. <i>atherosum</i>	Keven		Iran-Turan								
PLANTAGINACEAE	385	<i>Plantago major</i> L. subsp. <i>major</i>	Sinirotu	Plane tree									
	386	<i>Plantago lanceolata</i> L.	Sinirotu										
	387	<i>Plantago media</i> L.	Sinirotu										
ELAEAGNACEAE	388	<i>Hippophae rhamnoides</i> L. subsp. <i>caucasica</i> Rousi	Yerigdesi										
THYMELAEACEAE	389	<i>Daphne pontica</i> L.		Daphne	Euxine								
	390	<i>Thymelaea passerina</i> (L) Cosson et Germ.		Daphne									
SANTALACEAE	391	<i>Thesium billardieri</i> Boiss.			Iran-Turan								
LORANTHACEAE	392	<i>Arceuthobium oxycedri</i> (DC) Bieb.											
	393	<i>Viscum album</i> L. subsp. <i>album</i>	Okseotu	Mistletoe									
ARISTOLOCHACEAE	394	<i>Aristolochia clematis</i> L.	Lohusaotu	Wild ginger									
	395	<i>Aristolochia pontica</i> Lam.	Lohusaotu	Birthwort									
EUPHORBIACEAE	396	<i>Andrachne telephioides</i> L.											
	397	<i>Chrozophora tinctoria</i> (L) Rafin		Turnsole									

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)		
		1			2		3			4	5				6	7	+	1	2	3		4	5
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4									
369	<i>Micromeria elliptica</i> C. Koch						x	x	x									x					400-1900
370	<i>Acinos rotundifolius</i> Pers.									x								x					0-2200
371	<i>Thymus sipyleus</i> Boiss. subsp. <i>rosulans</i> (Borbois) Jalas						x	x		x								x					400-2700
372	<i>Mentha longifolia</i> (L) Hudson subsp. <i>longifolia</i>		x													x		x					400-2300
373	<i>Mentha piperita</i> L															x		x					50-1500
374	<i>Ziziphora tenuior</i> L.				x	x				x								x					0-2200
375	<i>Salvia rosifolia</i> Sm.				x	x												x					500-2350
376	<i>Salvia huberi</i> Hedge					x				x								x					1100-2200
377	<i>Salvia viridis</i> L.									x								x					0-1300
378	<i>Salvia aethiops</i> L.									x								x					0-2100
379	<i>Salvia virgata</i> Jacq.									x								x					0-2300
380	<i>Salvia limbata</i> C. A. Meyer									x								x					1000-2350
381	<i>Salvia verticillata</i> L. subsp. <i>verticillata</i>									x								x					0-2300
382	<i>Prunella laciniata</i> (L.) L.												x	x				x					0-1800
383	<i>Plumbago europaea</i> L				x	x												x					0-1900
384	<i>Acantholimon acerosum</i> (Will.) Boiss. var. <i>acerosum</i>									x								x					20-2000
385	<i>Plantago major</i> L. subsp. <i>major</i>															x		x					0-2440
386	<i>Plantago lanceolata</i> L.									x							x	x					0-3000
387	<i>Plantago media</i> L.																x	x					1000-2500
388	<i>Hippophae rhamnoides</i> L. subsp. <i>caucasica</i> Rousi		x														x	x					500-2500
389	<i>Daphne pontica</i> L.											x		x				x					0-2200
390	<i>Thymelaea passerina</i> (L) Cosson et Germ.									x								x					10-2000
391	<i>Thesium billardieri</i> Boiss.				x	x				x								x					600-1400
392	<i>Arceuthobium oxycedri</i> (DC) Bieb.				x	x												x					200-1200
393	<i>Viscum album</i> L. subsp. <i>album</i>				x	x							x					x					300-1500
394	<i>Aristolochia clematis</i> L.				x	x												x					400-860
395	<i>Aristolochia pontica</i> Lam.				x	x												x					0-1500
396	<i>Andrachne telephioides</i> L.						x	x										x					0-1800
397	<i>Chrozophora tinctoria</i> (L) Rafin															x		x					0-1650

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern TRDB	International Concern				
						R	W		IUCN	BERN	CITES		
									Anx1	App1	App2	App3	
	398	<i>Mercurialis annua</i> L.		French mercury									
	399	<i>Euphorbia squamosa</i> Willd.	Sutlegen	Spurge									
	400	<i>Euphorbia stricta</i> L.	Sutlegen	Spurge									
	401	<i>Euphorbia macroclada</i> Boiss.	Sutlegen		Iran-Turan								
	402	<i>Euphorbia virgata</i> Waldst. & Kit.	Sutlegen										
	403	<i>Euphorbia amygdaloides</i> L. var. <i>amygdaloides</i>	Sutlegen	Spurge	Euro-Siberian								
URTICACEAE	404	<i>Urtica dioica</i> L.	Isirganotu	Large nettle	Euro-Siberian								
MORACEAE	405	<i>Ficus carica</i> L. subsp. <i>carica</i>	Incir	Common fig tree	—								
ULMACEAE	406	<i>Ulmus glabra</i> Hudson	Karaagac	Elm tree									
	407	<i>Ulmus minor</i> Miller subsp. <i>minor</i>	Karaagac	Elm tree									
	408	<i>Celtis glabrata</i> Steven ex Plachon	citlenbik	Hackberry									
FAGACEAE	409	<i>Castanea sativa</i> Miller	Kestane	Chestnut	Euro-Siberian								
	410	<i>Quercus petraea</i> (Mattuschka) Liebl. subsp. <i>iberica</i> (Steven ex Bieb) Krassiln	Mese	Durmast	—								
CORYLACEAE	411	<i>Carpinus betulus</i> L.	Gurgen	Hornbeam	Euro-Siberian								
	412	<i>Carpinus orientalis</i> Miller	Gurgen	Hornbeam									
	413	<i>Ostrya carpinifolia</i> Scop.	Kayacik	Hop hornbeam									
	414	<i>Corylus maxima</i> Miller	Findik	Filbert	Euro-Siberian								
BETULACEAE	415	<i>Alnus glutinosa</i> (L) Gaertner subsp. <i>glutinosa</i>	Kizilagac	Black alder	Euro-Siberian								
SALICACEAE	416	<i>Salix pedicellata</i> Desf. subsp. <i>pedicellata</i>	Sogut	Willow									
	417	<i>Salix triandra</i> L. subsp. <i>bormuelleri</i> (Hausk.)Akv.	Sogut	Willow	Iran-Turan								
	418	<i>Salix wilhelmiana</i> Bieb.	Sogut		Iran-Turan								
	419	<i>Populus tremula</i> L.	Titrekkavak	Aspen	Euro-Siberian								
RUBIACEAE	420	<i>Crucianella gilanica</i> Trin. subsp. <i>pontica</i> (Ehrend) Ehrend											
	421	<i>Asperula glomerata</i> (Bieb) Griseb subsp. <i>glomerata</i>		Woodruff									
	422	<i>Asperula involucrata</i> Wahlenb.		Woodruff									
	423	<i>Asperula orientalis</i> Boiss. et Hohen.		Woodruff									
	424	<i>Asperula virgata</i> Hub.-Mor.ex Ehr. Et Schonb. Tem.			Iran-Turan		End.	EN					
	425	<i>Asperula arvensis</i> L.		Woodruff	Mediterranean								

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NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
398	<i>Mercurialis annua</i> L.														x			x						0-1100
399	<i>Euphorbia squamosa</i> Willd.														x			x						20-1700
400	<i>Euphorbia stricta</i> L.														x			x						0-2100
401	<i>Euphorbia macroclada</i> Boiss.														x			x						150-2500
402	<i>Euphorbia virgata</i> Waldst. & Kit.					x									x				x					1000-3000
403	<i>Euphorbia amygdaloides</i> L. var. <i>amygdaloides</i>				x	x									x				x					50-2000
404	<i>Urtica dioica</i> L.																	x						500-2700
405	<i>Ficus carica</i> L. subsp. <i>carica</i>		x	x														x						0-2000
406	<i>Ulmus glabra</i> Hudson		x												x									100-1800
407	<i>Ulmus minor</i> Miller subsp. <i>minor</i>					x									x				x					0-1300
408	<i>Celtis glabrata</i> Steven ex Plachon				x	x													x					300-1500
409	<i>Castanea sativa</i> Miller																	x						30-1500
410	<i>Quercus petraea</i> (Mattuschka) Liebl. subsp. <i>iberica</i> (Steven ex Bieb) Krassiln				x	x													x					0-1300
411	<i>Carpinus betulus</i> L.														x	x								10-1600
412	<i>Carpinus orientalis</i> Miller														x	x								0-1400
413	<i>Ostrya carpinifolia</i> Scop.				x	x									x	x	x							50-1700
414	<i>Corylus maxima</i> Miller																		x					100-800
415	<i>Alnus glutinosa</i> (L) Gaertner subsp. <i>glutinosa</i>	x																	x					0-1700
416	<i>Salix pedicellata</i> Desf. subsp. <i>pedicellata</i>		x	x															x					15-1500
417	<i>Salix triandra</i> L. subsp. <i>bornmuelleri</i> (Hausk.)Ak.v.			x															x					100-200
418	<i>Salix wilhelmsiana</i> Bieb.	x	x	x															x					1500-1900
419	<i>Populus tremula</i> L.														x	x	x	x						0-2000
420	<i>Crucianella gilanica</i> Trin. subsp. <i>pontica</i> (Ehrend) Ehrend														x				x					30-1000
421	<i>Asperula glomerata</i> (Bieb) Griseb subsp. <i>glomerata</i>				x										x				x					400-2200
422	<i>Asperula involucreta</i> Wahlenb.														x				x					200-2000
423	<i>Asperula orientalis</i> Boiss. et Hohen.														x				x					100-2000
424	<i>Asperula virgata</i> Hub.-Mor.ex Ehr. Et Schonb. Tem.				x		x	x	x										x					1000-1100
425	<i>Asperula arvensis</i> L.				x	x									x				x					0-1900

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
										Anx1	App1	App2	App3	
	426	<i>Asperula laxiflora</i> Boiss.			Euxine									
	427	<i>Galium rotundifolium</i> L.	Yogurtotu	Bedstraw										
	428	<i>Galium fissurense</i> Ehrend. et Schonb. Tem.	Yogurtotu	Bedstraw			End.	LR(lc)						
	429	<i>Galium subulliferum</i> Somm. et Lev	Yogurtotu	Bedstraw										
	430	<i>Galium incanum</i> Sm. subsp. <i>elatus</i> (Boiss.) Ehrend.	Yogurtotu		Iran-Turan									
	431	<i>Cruciata laevipes</i> Opiz												
	432	<i>Cruciata articulata</i> (L) Ehrend.												
	433	<i>Rubia tinctorum</i> L.	Kokboya											
LILIACEAE	434	<i>Polygonatum orientale</i> Desf.	Bogumluca	Solomon's seal										
	435	<i>Asphodeline tenuior</i> (Fischer) Ledeb. subsp. <i>tenuiflora</i> (C.Koch) <i>E. Tuzlaci</i> var. <i>tenuiflora</i>	Ciris		Iran-Turan									
	436	<i>Asparagus persicus</i> Baker	Kus konmaz		Iran-Turan									
	437	<i>Allium atroviolaceum</i> Boiss.	Yabanisogan											
	438	<i>Allium sosnowskyanum</i> Misch.	Yabanisogan		Euxine	End.		LR(lc)						
	439	<i>Allium rupestre</i> Steven	Yabanisogan	Allium										
	440	<i>Allium asperifolium</i> Misch.	Yabanisogan	Allium										
	441	<i>Ornithogalum narbonense</i> L.	Akyildiz	Star of Bethlehem										
	442	<i>Ornithogalum orthophyllum</i> Ten.	Akyildiz	Star of Bethlehem										
	443	<i>Muscari tenuiflorum</i> Tausch	Itsumbulu	Grape hyacinth										
	444	<i>Muscari armeniacum</i> Leichtlin ex Baker	Itsumbulu	Grape hyacinth										
	445	<i>Hemerocallis fulva</i> (L) L.		Daylily										
	446	<i>Colchicum falcatifolium</i> Stapf												
	447	<i>Colchicum umbrosum</i> Steven												
	448	<i>Paris incompleta</i> Bieb.												
IRIDACEAE	449	<i>Gladiolus kotschyanus</i> Boiss.	Glaiyol	Gladiolus										
	450	<i>Iris taochia</i> Woronow ex Grossh.	Susen				End.	VU						
	451	<i>Iris galatica</i> Siehe	Navruz				End.	LR(lc)						
	452	<i>Limodorum abortivum</i> (L) Swartz												
	453	<i>Platanthera bifolia</i> (L) L.C.M. Richard												
	454	<i>Anacamptis pyramidalis</i> (L) L.C.M. Richard											x	

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)		
		1			2		3			4	5				6	7	+	1	2	3		4	5
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4									
426	<i>Asperula laxiflora</i> Boiss.				x	x				x							x						1300-1900
427	<i>Galium rotundifolium</i> L.									x							x						500-2000
428	<i>Galium fissurense</i> Ehrend. et Schonb. Tem.									x							x						150-2200
429	<i>Galium subuliferum</i> Somm. et Lev									x							x						200-2200
430	<i>Galium incanum</i> Sm. subsp. <i>elatus</i> (Boiss.) Ehrend.									x							x						400-2000
431	<i>Cruciata laevipes</i> Opiz				x	x				x							x						20-1450
432	<i>Cruciata articulata</i> (L) Ehrend.				x	x											x						300-1400
433	<i>Rubia tinctorum</i> L.				x	x									x		x						400-2000
434	<i>Polygonatum orientale</i> Desf.										x						x						500-1800
435	<i>Asphodeline tenuior</i> (Fischer) Ledeb. subsp. <i>tenuiflora</i> (C.Koch) E. Tuzlaci var. <i>tenuiflora</i>									x							x						1000-1700
436	<i>Asparagus persicus</i> Baker									x							x						800-1700
437	<i>Allium atroviolaceum</i> Boiss.									x							x						May.00
438	<i>Allium sosnowskyanum</i> Miscz.									x							x						1200-1650
439	<i>Allium rupestre</i> Steven									x							x						700-2000
440	<i>Allium asperifolium</i> Miscz.									x							x						900-1400
441	<i>Ornithogalum narbonense</i> L.									x					x		x						0-3000
442	<i>Ornithogalum orthophyllum</i> Ten.										x	x					x						0-2100
443	<i>Muscari tenuiflorum</i> Tausch									x							x						0-2400
444	<i>Muscari armeniacum</i> Leichtlin ex Baker									x							x						0-2700
445	<i>Hemerocallis fulva</i> (L) L.														x		x						500-2500
446	<i>Colchicum falcifolium</i> Stapf									x							x						250-1800
447	<i>Colchicum umbrosum</i> Steven									x							x						15-1400
448	<i>Paris incompleta</i> Bieb.										x						x						400-2000
449	<i>Gladiolus kotschyanus</i> Boiss.									x							x						400-2900
450	<i>Iris taochia</i> Woronow ex Grossh.				x	x		x									x						1600-2000
451	<i>Iris galatica</i> Siehe				x	x											x						400-1700
452	<i>Limodorum abortivum</i> (L) Swartz									x							x						350-2300
453	<i>Platanthera bifolia</i> (L) L.C.M. Richard										x	x					x						0-2000
454	<i>Anacamptis pyramidalis</i> (L) L.C.M. Richard										x						x						0-1750

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern				
						R	W	TRDB	IUCN	BERN		CITES	
									Anx1	App1	App2	App3	
	455	<i>Orchis punctulata</i> Steven ex Lindley	Sahlep	Orchis						x		x	
	456	<i>Dactylorhiza urvilleana</i> (Steudel) Baumann et Kunkele	Sahlep										
TYPHACEAE	457	<i>Typha laxmannii</i> Lepechin	Hasirotu	Reed mace	Euro-Siberian								
JUNCACEAE	458	<i>Juncus inflexus</i> L.	Kofa	Rush									
	459	<i>Juncus compressus</i> Jacq.	Kofa	Rush									
CYPERACEAE	460	<i>Cyperus glaber</i> L.		Galingale									
	461	<i>Cyperus difformis</i> L.		Galingale									
	462	<i>Pycreus flavescens</i> (L) Reichb											
	463	<i>Eleocharis palustris</i> (L) Roemer et Schultes											
	464	<i>Schoenoplectus lacustris</i> (L) Palla subsp. <i>tabernaemontani</i> (C.C. Gmelin) A. et D. Love											
	465	<i>Bolboschoenus maritimus</i> (L) Palla var. <i>maritimus</i>											
	466	<i>Carex otrubae</i> Podp.		Sedge									
	467	<i>Carex divulsa</i> Stokes subsp. <i>divulsa</i>		Sedge	Euro-Siberian								
	468	<i>Carex pendula</i> Hudson		Sedge									
GRAMINEAE (=Poaceae)	469	<i>Brachypodium pinnatum</i> (L) P. Beauv.											
	470	<i>Brachypodium sylvaticum</i> (Hudson) P. Beauv.			Euro-Siberian								
	471	<i>Elymus repens</i> (L) Gould subsp. <i>repens</i>		Wild rye									
	472	<i>Elymus lazicus</i> (Boiss.) Melderis subsp. <i>divaricatus</i> (Boiss. & Bal.) Melderis			Iran-Turan		End.	LR(c)					
	473	<i>Aegilops triuncialis</i> L. subsp. <i>triuncialis</i>											
	474	<i>Eremophyrum orientale</i> (L.) Jaub. & Spach											
	475	<i>Hordeum bulbosum</i> L.	Yabaniarpa	Barley									
	476	<i>Bromus japonicus</i> Thunb. subsp. <i>japonicus</i>		Brome grass									
	477	<i>Bromus tomentellus</i> Boiss.			Iran-Turan								
	478	<i>Koeleria cristata</i> (L.) Pers.											
	479	<i>Avena fatua</i> L. var. <i>fatua</i>	Yabaniyulaf	Wild oat									
	480	<i>Agrostis gigantea</i> Roth		Cloud grass	Euro-Siberian								
	481	<i>Phleum paniculatum</i> Hudson subsp. <i>ciliatum</i> (Boiss) M. Dogan		Timothy									

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)			
		1			2		3			4	5				6	7	+	1	2	3		4	5	
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4										
455	<i>Orchis punctulata</i> Steven ex Lindley												x					x						20-1350
456	<i>Dactylorhiza urvilleana</i> (Steudel) Baumann et Kunkele													x				x						0-2500
457	<i>Typha laxmannii</i> Lepechin														x			x						0-2000
458	<i>Juncus inflexus</i> L.			x											x			x						0-2600
459	<i>Juncus compressus</i> Jacq.			x											x			x						0-2300
460	<i>Cyperus glaber</i> L.														x			x						0-1650
461	<i>Cyperus difformis</i> L.														x			x						0-820
462	<i>Pycnus flavescens</i> (L) Reichb														x			x						0-1500
463	<i>Eleocharis palustris</i> (L) Roemer et Schultes		x												x			x						0-2400
464	<i>Schoenoplectus lacustris</i> (L) Palla subsp. <i>tabernaemontani</i> (C.C. Gmelin) A. et D. Love														x			x						0-3000
465	<i>Bolboschoenus maritimus</i> (L) Palla var. <i>maritimus</i>														x			x						0-2000
466	<i>Carex otrubae</i> Podp.														x			x						0-2100
467	<i>Carex divulsa</i> Stokes subsp. <i>divulsa</i>												x	x				x						0-2400
468	<i>Carex pendula</i> Hudson														x			x						0-2000
469	<i>Brachypodium pinnatum</i> (L) P. Beauv.														x	x			x					0-2400
470	<i>Brachypodium sylvaticum</i> (Hudson) P. Beauv.														x	x			x					Eki.00
471	<i>Elymus repens</i> (L) Gould subsp. <i>repens</i>																							0-2350
472	<i>Elymus lazicus</i> (Boiss.) Melderis subsp. <i>divaricatus</i> (Boiss. & Bal.) Melderis									x								x						1000-2700
473	<i>Aegilops triuncialis</i> L. subsp. <i>triuncialis</i>									x								x						0-1900
474	<i>Eremophyrum orientale</i> (L.) Jaub. & Spach									x								x						900-1500
475	<i>Hordeum bulbosum</i> L.									x								x						0-2250
476	<i>Bromus japonicus</i> Thunb. subsp. <i>japonicus</i>									x								x						0-2300
477	<i>Bromus tomentellus</i> Boiss.									x								x						1000-2700
478	<i>Koeleria cristata</i> (L.) Pers.									x								x						0-3000
479	<i>Avena fatua</i> L. var. <i>fatua</i>									x								x						0-1500
480	<i>Agrostis gigantea</i> Roth									x								x						0-2300
481	<i>Phleum paniculatum</i> Hudson subsp. <i>ciliatum</i> (Boiss) M. Dogan									x								x						600-2400

Table B1. List of Flora Species Identified in the Study Area

FAMILY	NO	TAXON	COMMON NAME (TURKISH)	COMMON NAME (ENGLISH)	PHYTO- GEOGRAPHIC REGION	ENDEMISM		National Concern	International Concern					
						R	W	TRDB	IUCN	BERN		CITES		
									Anx1	App1	App2	App3		
	482	<i>Festuca gigantea</i> (L) Vill	Yumakotu	Fescue										
	483	<i>Festuca arundinacea</i> Schreber subsp. <i>arundinacea</i>	Yumakotu											
	484	<i>Festuca valesiaca</i> Schleicher ex Gaudin	Yumakotu											
	485	<i>Lolium persicum</i> Boiss. et Huhen ex Boiss.	Cimotu	Rye grass										
	486	<i>Lolium rigidum</i> Gaudin var. <i>rigidum</i>	Cimotu	Rye grass										
	487	<i>Poa supina</i> Schrader		Bluegrass										
	488	<i>Poa trivialis</i> L.		Bluegrass										
	489	<i>Poa pratensis</i> L.		Meadow grass										
	490	<i>Poa bulbosa</i> L.		Bluegrass	—									
	491	<i>Sclerochloa dura</i> (L) P. Beauv.												
	492	<i>Dactylis glomerata</i> L. subsp. <i>hispanica</i> (Roth) Nyman		Orchard grass										
	493	<i>Cynosurus cristatus</i> L.												
	494	<i>Echinaria capitata</i> (L) Desf.												
	495	<i>Melica uniflora</i> Retz.		Melic grass										
	496	<i>Melica ciliata</i> L. subsp. <i>ciliata</i>												
	497	<i>Molinia caerulea</i> (L) Moench												
	498	<i>Stipa caragana</i> Trin.		Feather grass										
	499	<i>Stipa arabica</i> Trin. et Rupr.		Feather grass										
	500	<i>Phragmites australis</i> (Cav.) Trin. ex Steudel	Kamis	Reed	Euro-Siberian									
	501	<i>Danthonia decumbens</i> (L) DC.		Oat grass										
	502	<i>Eragrostis minor</i> Host		Teff										
	503	<i>Tragus racemosus</i> (L.) All.												
	504	<i>Crypsis schoenoides</i> (L) Lam.												
	505	<i>Setaria glauca</i> (L) P. Beauv		Millet										
	506	<i>Pennisetum orientale</i> L.C.M. Richard		Millet	Iran-Turan									
	507	<i>Saccharum ravennae</i> (L) Murray	Sekerkamisi	Sugarcane										
	508	<i>Sorghum halepense</i> (L) Pers. var. <i>halepense</i>		Johnson grass										
	509	<i>Bothriochloa ischaemun</i> (L) Keng												

Table B1. List of Flora Species Identified in the Study Area

NO	TAXON	HABITAT TYPE														RELATIVE ABUNDANCE (Braun-Blanquet)					ALTITUDINAL DISTRIBUTION (m)		
		1			2		3			4	5				6	7	+	1	2	3		4	5
		1.1	1.2	1.3	2.1	2.2	3.1	3.2	3.3	4.1	5.1	5.2	5.3	5.4									
482	<i>Festuca gigantea</i> (L) Vill								x								x						0-2300
483	<i>Festuca arundinacea</i> Schreber subsp. <i>arundinacea</i>								x								x						300-2100
484	<i>Festuca valesiaca</i> Schleicher ex Gaudin													x			x						400-2800
485	<i>Lolium persicum</i> Boiss. et Huhn ex Boiss.								x								x						50-2200
486	<i>Lolium rigidum</i> Gaudin var. <i>rigidum</i>								x								x						0-1850
487	<i>Poa supina</i> Schrader								x								x						600-3100
488	<i>Poa trivialis</i> L.								x	x							x						0-2210
489	<i>Poa pratensis</i> L.														x		x						0-2800
490	<i>Poa bulbosa</i> L.														x		x						0-3000
491	<i>Sclerochloa dura</i> (L) P. Beauv.								x								x						0-1700
492	<i>Dactylis glomerata</i> L. subsp. <i>hispanica</i> (Roth) Nyman								x								x						0-2900
493	<i>Cynosurus cristatus</i> L.				x	x			x									x					60-2200
494	<i>Echinaria capitata</i> (L) Desf.				x	x			x								x						400-1600
495	<i>Melica uniflora</i> Retz.					x			x								x						200-1500
496	<i>Melica ciliata</i> L. subsp. <i>ciliata</i>								x								x						400-2800
497	<i>Molinia caerulea</i> (L) Moench								x								x						0-1600
498	<i>Stipa caragana</i> Trin.								x								x						1200
499	<i>Stipa arabica</i> Trin. et Rupr.								x								x						300-2500
500	<i>Phragmites australis</i> (Cav.) Trin. ex Steudel								x									x					0-2400
501	<i>Danthonia decumbens</i> (L) DC.														x		x						120-2100
502	<i>Eragrostis minor</i> Host								x								x						10-2700
503	<i>Tragus racemosus</i> (L) All.					x			x								x						200-1500
504	<i>Crypsis schoenoides</i> (L) Lam.														x		x						0-1900
505	<i>Setaria glauca</i> (L) P. Beauv														x		x						0-1000
506	<i>Pennisetum orientale</i> L.C.M. Richard														x		x						0-2100
507	<i>Saccharum ravennae</i> (L) Murray								x								x						0-1000
508	<i>Sorghum halepense</i> (L) Pers. var. <i>halepense</i>														x		x						0-1400
509	<i>Bothriochloa ischaemum</i> (L) Keng														x		x						15-2100

Table B2. The Distribution in Turkey of the Flora Species of Note* Identified in the Study Area

(*species endemic to Turkey, and/or Turkish Red Data Book, IUCN, Bern, CITES-listed species)

(also see Appendix E1, vegetation maps, for occurrence of communities of CR, EN, VU, DD and Bern- and CITES- listed species)

Species	ENDEMIC	BERN	CITES	IUCN	TRDB	Distribution in Turkey	Economic Importance
<i>Reseda globosa</i> Fisch. et Mey.	Non endemic				CR	Coruh Valley	
<i>Lathyrus woronowii</i> Bornm.	Endemic				CR	Coruh Valley	Fodder crop
<i>Ferula mervinii</i> M. Sağıroğlu & H. Duman	Endemic				CR	Yusufeli and its vicinity	
<i>Anthemis calcarea</i> Sosn.var. <i>calcarea</i>	Endemic				CR	Artvin- Erzurum	
<i>Anthemis calcarea</i> Sosn.var. <i>discoidea</i>	Endemic				CR	Artvin- Erzurum	
<i>Centaurea straminecephala</i> Hub.-Mor.	Endemic				CR	Coruh Valley	
<i>Centaurea leptophylla</i> (C. Koch) Tchihat.	Endemic				CR	Yusufeli and its vicinity	
<i>Clypeola raddeana</i> Albow	Endemic				EN	Coruh Valley	
<i>Morina persica</i> L. var. <i>decussatifolia</i> S. Erik & N. Demirkuş	Endemic				EN	Artvin- Erzurum	
<i>Campanula troegerae</i> Dambolt	Endemic				EN	Artvin- Erzurum	Decorative plant in rock gardens
<i>Verbascum gracilescens</i> Hub.-Mor.	Endemic				EN	Coruh Valley	
<i>Asperula virgata</i> Hub.-Mor.ex Ehr. Et Schönb. Tem.	Endemic				EN	Coruh Valley	
<i>Acer divergens</i> Pax var. <i>divergens</i>	Endemic				VU	Coruh Valley	
<i>Sempervivum staintonii</i> Muirhead	Endemic				VU	Coruh Valley	
<i>Seseli andronakii</i> Woron.	Endemic				VU	Artvin- Erzurum	
<i>Bupleurum brachiatum</i> C.Koch ex Boiss.	Endemic				VU	Middle and East Blacksea	
<i>Bupleurum schistosum</i> Woronow.	Endemic				VU	Coruh Valley	
<i>Centaurea pecho</i> Albow	Endemic				VU	East Blacksea	Decorative plant in rock gardens
<i>Centaurea hedgeri</i> Wagenitz.	Endemic				VU	Artvin- Erzurum	
<i>Linaria genistifolia</i> (L.) Miller subsp. <i>artvinensis</i> Davis	Endemic				VU	Coruh Valley	Decorative plant
<i>Iris taochia</i> Woronow ex Grossh.	Endemic				VU	East Blacksea	Decorative plant
<i>Paracaryum montbretii</i> (H.Riedl) R. Mill	Endemic				DD	Artvin- Erzurum	
<i>Stachys sosnowskyi</i> Kapeller	Endemic				DD	Coruh Valley	
<i>Alyssum artvinense</i> Busch	Endemic				LR(cd)	East Anatolia	
<i>Chesneya elegans</i> Fomin	Endemic				LR(cd)	East Blacksea	
<i>Tripleurospermum fissurale</i> (Sons.)E. Hossain	Endemic				LR(cd)	Artvin- Erzurum	

Table B2. The Distribution in Turkey of the Flora Species of Note* Identified in the Study Area

(*species endemic to Turkey, and/or Turkish Red Data Book, IUCN, Bern, CITES-listed species)

(also see Appendix E1, vegetation maps, for occurrence of communities of CR, EN, VU, DD and Bern- and CITES- listed species)

Species	ENDEMIC	BERN	CITES	IUCN	TRDB	Distribution in Turkey	Economic Importance
<i>Paracaryum artvinense</i> R. Mill	Endemic				LR(cd)	Coruh Valley	
<i>Veronica oltensis</i> Woronov.	Endemic				LR(cd)	Coruh Valley	Decorative plant in rock gardens
<i>Salvia huberi</i> Hedge	Endemic				LR(cd)	Artvin- Erzurum	
<i>Isatis erzurumica</i> Davis	Endemic				LR(nt)	East Anatolia	
<i>Verbascum natolicum</i> (Fisch. & Mey.) Hub.-Mor.	Endemic				LR(nt)	Widely distributed	
<i>Ballota rotundifolia</i> C. Koch	Endemic				LR(nt)	Artvin- Erzurum	
<i>Cerastium armeniacum</i> Gren.	Endemic				LR(lc)	East Blacksea and East Anatolia	
<i>Gypsophila simulatrix</i> Bornm. et Woron.	Endemic				LR(lc)	East Blacksea and East Anatolia	Use for medical purposes
<i>Silene armena</i> Boiss. var. <i>armena</i>	Endemic				LR(lc)	Widely distributed	
<i>Alcea calvertii</i> (Boiss.) Boiss.	Endemic				LR(lc)	Widely distributed	Decorative plant
<i>Haplophyllum armenum</i> Spach.	Endemic				LR(lc)	Middle Anatolia, Middle and East Blacksea	
<i>Genista aucheri</i> Boiss.	Endemic				LR(lc)	Widely distributed	
<i>Astragalus dipsaceus</i> Bunge	Endemic				LR(lc)	Blacksea, Middle and East Anatolia	Fodder crop
<i>Onobrychis armena</i> Boiss. et Huet	Endemic				LR(lc)	Widely distributed	Fodder crop
<i>Heracleum platytaenium</i> Boiss.	Endemic				LR(lc)	Widely distributed	
<i>Peucedanum palimbioides</i> Boiss.	Endemic				LR(lc)	Middle Anatolia, Middle and East Blacksea	
<i>Helichrysum arenarium</i> (L.) Moench subsp. <i>aucheri</i> (Boiss.) Davis & Kupicha	Endemic				LR(lc)	Widely distributed	
<i>Tanacetum mucroniferum</i> Hub.-Mor. et Grierson	Endemic				LR(lc)	East Blacksea and East Anatolia	
<i>Achillea schischkinii</i> Sossn.	Endemic				LR(lc)	East Blacksea and East Anatolia	
<i>Taraxacum turcicum</i> van Soest	Endemic				LR(lc)	Widely distributed	
<i>Campanula betulifolia</i> C. Koch	Endemic				LR(lc)	Yusufeli and its vicinity	Decorative plant in rock gardens
<i>Convolvulus pseudoscammonia</i> C. Koch	Endemic				LR(lc)	East Blacksea and East Anatolia	

Table B2. The Distribution in Turkey of the Flora Species of Note* Identified in the Study Area

(*species endemic to Turkey, and/or Turkish Red Data Book, IUCN, Bern, CITES-listed species)

(also see Appendix E1, vegetation maps, for occurrence of communities of CR, EN, VU, DD and Bern- and CITES- listed species)

Species	ENDEMIC	BERN	CITES	IUCN	TRDB	Distribution in Turkey	Economic Importance
<i>Onosma isauricum</i> Boiss. & Heldr.	Endemic				LR(lc)	Widely distributed	
<i>Phlomis armeniaca</i> Willd.	Endemic				LR(lc)	Widely distributed	
<i>Stachys viscosa</i> Montbret et Aucher ex Bentham var. <i>odontophylla</i> (Freyn) Rech.	Endemic				LR(lc)	East and Middle Blacksea	
<i>Micromeria elliptica</i> C. Koch	Endemic				LR(lc)	Coruh Valley	
<i>Salvia rosifolia</i> Sm.	Endemic				LR(lc)	East and Middle Blacksea, East and Middle Anatolia	
<i>Galium fissurense</i> Ehrend. et Schönbr. Tem.	Endemic				LR(lc)	Blacksea	
<i>Allium sosnowskyanum</i> Miscz.	Endemic				LR(lc)	Coruh Valley	
<i>Iris galatica</i> Siehe	Endemic				LR(lc)	Widely distributed	Decorative plant
<i>Elymus lazicus</i> (Boiss.) Melderis subsp. <i>divaricatus</i> (Boiss. & Bal.) Melderis	Endemic				LR(lc)	Widely distributed	
<i>Anacamptis pyramidalis</i> (L) L.C.M. Richard	Non Endemic		X			Widely distributed	
<i>Orchis punctulata</i> Steven ex Lindley	Non Endemic	X	X			Widely distributed	

Table B3. The Distribution of the Vegetation in the Study Area

(also see Appendix E1-vegetation maps; Figure 2.4 in Chapter 2; and Figures 3.1 and 3.2 in Chapter 3)

Vegetation Type	Distribution	Dominant Species	Relative Abundance and Coverage (Braun-Blanquet) (see key for index)
1. VALLEY BED ALONG RIVER SHORELINES			
1.1 <i>Alnus glutinosa-Salix wilhelmsiana</i> communities	Yusufeli-Barhal, Tekkale-Dortkilise	<i>Alnus glutinosa</i>	2
		<i>Salix wilhelmsiana</i>	2
		<i>Sambucus nigra</i>	1
		<i>Ficus carica</i>	2
		<i>Salix triandra</i>	1
		<i>Clematis vitalba</i>	1
		<i>Rubus canescens</i>	2
		<i>Periploca graeca</i>	1
		<i>Sambulus ebulus</i>	2
		<i>Agrostis gigantea</i>	2
		<i>Juncus inflexus</i>	2
1.2 <i>Tamarix smyrnensis-Ficus carica</i> communities	Sukavsumu-Oltu River-Tortum Creek	<i>Tamarix smyrnensis</i>	3
		<i>Ulmus glabra</i>	1
		<i>Cotinus cogyria</i>	1
		<i>Salix wilhelmsiana</i>	2
		<i>Punica granatum</i>	1
		<i>Ficus carica</i>	2
		<i>Rubus canescens</i>	2
		<i>Trachomitum venetum</i>	2
1.3 <i>Salix wilhelmsiana-Tamarix smyrnensis</i> communities	Oltu River, Yusufeli-Ispir	<i>Tamarix smyrnensis</i>	3
		<i>Cotinus cogyria</i>	1
		<i>Salix wilhelmsiana</i>	1
		<i>Ficus carica</i>	2
		<i>Sambucus nigra</i>	1
		<i>Sambucus ebulus</i>	1
		<i>Trachomitum venetum</i>	2
		<i>Brachypodium pinnatum</i>	2

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(also see Appendix E1-vegetation maps; Figure 2.4 in Chapter 2; and Figures 3.1 and 3.2 in Chapter 3)

Vegetation Type	Distribution	Dominant Species	Relative Abundance and Coverage (Braun-Blanquet) (see key for index)
2. XEROPHYTE SHRUBS			
2.1 <i>Paliurus spina-christii</i> - <i>Acer divergens</i> - <i>Juniperus oxycedrus</i> communities	Coruh Basin, Widely distributed	<i>Paliurus spina-christii</i>	3
		<i>Acer divergens</i>	2
		<i>Juniperus oxycedrus</i>	1
		<i>Colutea armena</i>	1
		<i>Cotinus coggyria</i>	1
		<i>Seseli andronakii</i>	1
		<i>Vicia woronowii</i>	1
		<i>Alyssum artvinense</i>	1
		<i>Genista aucheri</i>	1
		<i>Stachys viscosa</i> subsp. <i>odontophylla</i>	1
		2.2 <i>Paliurus spina-christii</i> - <i>Artemisia sp.</i> - <i>Cotinus coggyria</i> communities	Oltu River Basin
<i>Acer divergens</i>	2		
<i>Cotoneaster nummularia</i>	1		
<i>Rosa canina</i>	1		
<i>Cotinus coggyria</i>	2		
<i>Seseli andronakii</i>	1		
<i>Astragalus ornithopodioides</i>	2		
<i>Ephedra major</i>	1		
<i>Artemisia austriaca</i>	2		
<i>Artemisia spicigera</i>	2		
<i>Centranthus longiflorus</i>	1		
<i>Lepidium lyratum</i>	2		
<i>Veronica armena</i>	1		
<i>Eryngium campestre</i>	1		
<i>Teucrium polium</i>	1		

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(also see Appendix E1-vegetation maps; Figure 2.4 in Chapter 2; and Figures 3.1 and 3.2 in Chapter 3)

Vegetation Type	Distribution	Dominant Species	Relative Abundance and Coverage (Braun-Blanquet) (see key for index)
3. ROCKY AREAS			
3.1 <i>Micromeria elliptica-Stachys viscosa</i> communities	Yusufeli-Ispir, Oltu River	<i>Stachys viscosa</i> subsp. <i>odontophylla</i>	2
		<i>Centaurea pecho</i>	1
		<i>Veronica oltensis</i>	1
		<i>Seseli andronakii</i>	1
		<i>Astragalus taochicus</i>	1
		<i>Micromeria elliptica</i>	2
		<i>Clypela raddeana</i>	1
3.2 <i>Centaurea simplicicaulis-Micromeria elliptica</i> communities	Coruh Basin, Widely distributed	<i>Centaurea simplicicaulis</i>	2
		<i>Saxifraga paniculata</i> subsp. <i>cartilaginea</i>	1
		<i>Micromeria fruticosa</i> subsp. <i>serpyllifolia</i>	2
		<i>Onosma tenuiflorum</i>	1
		<i>Campanula betulifolia</i>	1
		<i>Micromeria elliptica</i>	1
		<i>Clypela raddeana</i>	1
		<i>Veronica oltensis</i>	1
		<i>Seseli andronakii</i>	1
3.3 <i>Campanula trogerae-Centaurea pecho</i> communities	Yusufeli-Barhal	<i>Centaurea troegerae</i>	2
		<i>Centaurea pecho</i>	1
		<i>Centaurea simplicicaulis</i>	2
		<i>Saxifraga paniculata</i> subsp. <i>cartilaginea</i>	1
		<i>Aster colchicus</i>	1
		<i>Veronica oltensis</i>	1
		<i>Micromeria fruticosa</i> subsp. <i>serpyllifolia</i>	1
		<i>Teucrium polium</i>	1

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(also see Appendix E1-vegetation maps; Figure 2.4 in Chapter 2; and Figures 3.1 and 3.2 in Chapter 3)

Vegetation Type	Distribution	Dominant Species	Relative Abundance and Coverage (Braun-Blanquet) (see key for index)
4.STEPPE			
4.1 <i>Astragalus microcephalus-Centaurea straminicephala</i> communities	Oltu River Basin	Artemisia spicigera	2
		Artemisia austriaca	3
		Lepidium lyratum	2
		Paliurus spina-christi	2
		Cotinus coggyria	2
		Acer divergens	1
		Cotoneaster nummularia	1
		Rosa canina	1
		Eryngium campestre	1
		Teucrium polium	1
		Caragana grandiflora	1
		Kochia prostrata	2
		Astragalus microcephalus	1
		Stipa caragana	1
		Phlomis armeniaca	1
		Verbascum gracilescens	1
		Centaurea straminicephala	2
5. FOREST AREAS			
5.1 <i>Juniperus excelsa-J.oxycedrus-Ostrya carpinifolia</i> communities	Coruh Valley	Juniperus excelsa	2
		Juniperus oxycedrus	2
		Ostrya carpinifolia	2
		Populus tremula	1
		Rosa canina	1
		Anthemis tinctoria	1
		Ballota rotundifolia	1
		Lonicera caucaica	1
		Centaurea hedgei	1

Table B3. The Distribution of the Vegetation in the Study Area

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Vegetation Type	Distribution	Dominant Species	Relative Abundance and Coverage (Braun-Blanquet) (see key for index)
		Coronilla orientalis	1
		Dactylis glomerata	1
		Salvia rosifolia	2
		Teucrium polium	1
		Teucrium chamaedrys	1
5.2 <i>Quercus petraeae-Juniperus oxycedrus</i> communities	Cevreli-Alanbasi Villages	Quercus petraeae	2
		Juniperus oxycedrus	2
		Ostrya carpinifolia	2
		Acer divergens	2
		Paliurus spina-christi	2
		Rhamnus pallasii	1
		Cotinus coggyria	2
		Seseli andronakii	1
		Ballota rotundifolia	1
		Phlomis armeniaca	1
5.3 <i>Juniperus excelsa-Ostrya carpinifolia</i> communities	Coruh Valley	Ostrya carpinifolia	2
		Juniperus excelsa	2
		Populus tremula	1
		Rosa canina	1
		Alyssum artvinense	1
		Centaurea simplicicaulis	1
		Pelargonium endlicherianum	2
		Lathyrus woronowii	1
		Teucrium chamaedrys	1
		Teucrium polium	1
		Coronilla orientalis	1
		Dactylis glomerata	1
		Salvia rosifolia	1

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(also see Appendix E1-vegetation maps; Figure 2.4 in Chapter 2; and Figures 3.1 and 3.2 in Chapter 3)

Vegetation Type	Distribution	Dominant Species	Relative Abundance and Coverage (Braun-Blanquet) (see key for index)
5.4 <i>Pinus sylvestris-Ostrya carpinifolia</i> communities	Yusufeli-Barhal	<i>Pinus sylvestris</i>	2
		<i>Ostrya carpinifolia</i>	2
		<i>Juniperus excelsa</i>	2
		<i>Juniperus oxycedrus</i>	2
		<i>Populus tremula</i>	1
		<i>Rosa canina</i>	1
		<i>Helianthemum nummularium</i>	1
		<i>Anthemis tinctoria</i>	1
		<i>Ballota rotundifolia</i>	1
		<i>Alyssum artvinense</i>	1
		<i>Teucrium polium</i>	1
		<i>Lathyrus woronowii</i>	1
		<i>Coronilla orientalis</i>	1
<i>Dactylis glomerata</i>	1		
<i>Salvia rosifolia</i>	1		