

## **ANNEX L**

### **Flora and Fauna List**

Annex L-1: List of Flora Species Inside and Surrounding of The Project Areas

Annex L-2: List of Fauna Species Inside and Surrounding of The Project Areas

Annex L-3: Aquatic Organism Inventory of the Project Site

## **ANNEX L-1**

### **List of Flora Species Inside and Surrounding of The Project Areas**





FAMILY	NO	SPECIES	ENGLISH NAME	PHYTOGEOGRAPHIC REGION	ENDEMIZM		T.S.	BERN	CITES				HABITAT					ABUNDANCE						
					R	W			App1	App2	App3	1	2	3	4	5	1	2	3	4	5			
	62	<i>Trifolium stellatum</i> L. var. <i>stellatum</i>		Widespread									x							x				
	63	<i>Trifolium campestre</i> Schreb.		Widespread									x							x				
	64	<i>Trifolium arvense</i> L. subsp. <i>arvense</i>		Widespread									x		x					x				
	65	<i>Lathyrus laxiflorus</i> (Desf.) O.Kuntze subsp. <i>laxiflorus</i>		Widespread									x	x	x					x				
	66	<i>Lathyrus aphaca</i> L. var. <i>biflorus</i> Post.		Widespread											x					x				
	67	<i>Medicago sativa</i> L.	Alfalfa	Widespread											x					x				
ROSACEAE	68	<i>Pyrus elaeagnifolia</i> Pallas subsp. <i>elaeagnifolia</i>		Widespread										x		x				x				
	69	<i>Prunus x domestica</i> L.	Plum	Culture													x					x		
	70	<i>Agrimonia eupatoria</i> L.	Liverwort	Widespread									x			x				x				
	71	<i>Crataegus pentagyna</i> Waldst	Small-flowered black hawthorn	Euro-Siberian										x						x				
	72	<i>Fragaria vesca</i> L.	Wild strawberry	Widespread										x								x		
	73	<i>Mespilus germanica</i> L.	Common medlar	Euro-Siberian										x						x				
	74	<i>Potentilla recta</i> L.	Sulphur cinquefoil	Widespread										x	x					x				
	75	<i>Potentilla reptans</i> L.	Creeping cinquefoil	Widespread													x			x				
	76	<i>Rubus hirtus</i> Waldst ex. Kit.		Euro-Siberian													x			x				
	77	<i>Rubus sanctus</i> Schreber		Widespread											x			x		x				
	78	<i>Geum urbanum</i> L.		Euro-Siberian									x				x			x				
	79	<i>Laurocerasus officinalis</i> Roemer		Widespread									x							x				
	80	<i>Pyracantha coccinea</i> Roemer	Scarlet firethorn	Widespread											x					x				
	81	<i>Sanguisorba minor</i> Scop. Subsp. <i>muricata</i> (Spach)Brig		Widespread										x		x				x				
	82	<i>Rosa canina</i> L.	Dogrose	Widespread										x						x				
MYRTACEAE	83	<i>Myrtus communis</i> L. subsp. <i>communis</i>	Common myrtle	Widespread										x	x							x		
ONAGRACEAE	84	<i>Epilobium parviflorum</i> Schreber	Hoary willow herb	Widespread													x							
UMBELLIFERAE	85	<i>Torilis leptophylla</i> (L.) Reichb.		Widespread										x						x				
	86	<i>Eryngium campestre</i> L. var. <i>campestre</i>	Field eryngo	Widespread										x						x				
	87	<i>Oenanthe pimpinelloides</i> L.	Water dropwort	Widespread										x						x				
	88	<i>Crithmum maritimum</i> L.	Samphire	Widespread											x					x				
	89	<i>Seseli resinosum</i> Freyn. & Sint.		Euro-Siberian	x		VU								x					x				
	90	<i>Pastinaca sativa</i> L. Subsp. <i>urens</i> (Req. Ex Godron) Celak		Widespread												x					x			
	91	<i>Daucus carota</i> L.	Wild carrot	Widespread										x			x			x				
ARALIACEAE	92	<i>Hedera helix</i> L.	Common ivy	Widespread											x	x				x				
CORNACEAE	93	<i>Cornus sanguinea</i> L. Subsp. <i>australis</i> (C.A.Meyer)		Euro-Siberian										x	x			x			x			











## **ANNEX L-2**

### **List of Fauna Species Inside and Surrounding of The Project Areas**

Table L-2.1. List of butterfly species detected inside Project Areas and surroundings

<b>FAMILY - Species (Latin)</b>	<b>Species (Turkish)</b>	<b>Species (English)</b>	<b>IUCN International List</b>	<b>IUCN National List</b>	<b>Endemism</b>
<b>PAPILIONIDAE</b>					
1. <i>Iphiclides podalirius</i>	Erik kırlangıçkuyruğu	Scarce Swallowtail	-	LC	-
2. <i>Papilio machaon</i>	Kırlangıçkuyruk	Swallowtail	-	LC	-
<b>PIERIDAE</b>					
3. <i>Anthocharis cardamines</i>	Turuncusüslü	Orange Tip	-	LC	-
4. <i>Colias crocea*</i>	Sarıazamet	Dark Clouded Yellow	-	LC	-
5. <i>Gonepteryx rhamni</i>	Orakkanat	Brimstone	-	LC	-
6. <i>Leptidea sinapis</i>	Narinormanbeyazı	Wood White	-	LC	-
7. <i>Pieris rapae*</i>	Küçük beyazmelek	Small White	-	-	-
8. <i>Pieris brassicae*</i>	Büyük beyazmelek	Large White	-	LC	-
9. <i>Pontia edusa</i>	Yeni beneklimelek	New Bath White	-	LC	-
<b>ARGYNNIDAE</b>					
10. <i>Aglais urticae</i>	Aglais	Small Tortoiseshell	-	LC	-
11. <i>Argynnis adippe</i>	Büyükinci	High Brown Fritillary	-	LC	-
12. <i>Argynnis pandora</i>	Bahadır	Cardinal	-	LC	-
13. <i>Argynnis aglaja</i>	Güzelinci	Dark Green Fritillary	-	LC	-
14. <i>Argynnis paphia</i>	Cengaver	Silver-washed Fritillary	-	LC	-
15. <i>Boloria euphrosyne</i>	Beyazinci	Pearl-bordered Fritillary	-	LC	-
16. <i>Vanessa cardui</i>	Dikenkelebeği	Painted Lady	-	LC	-
17. <i>Issoria lathonia</i>	İspanyol kraliçesi	Queen of Spain Fritillary	-	LC	-
18. <i>Limenitis reducta</i>	Akdeniz hanımelikeyebeği	Southern White Admiral	-	LC	-
19. <i>Melitaea athalia</i>	Amannissa	Heath Fritillary	-	LC	-
20. <i>Melitaea didyma</i>	Benekli iparhan	Spotted Fritillary	-	LC	-
21. <i>Melitaea cinxia</i>	İparhan	Glanville Fritillary	-	LC	-
22. <i>Nymphalis polychloros</i>	Karaağaç nimfalisi	Large Tortoiseshell	-	LC	-
23. <i>Polygonia c-album</i>	Yırtık pırtık	Comma Butterfly	-	LC	-
24. <i>Vanessa atalanta*</i>	Atalanta	Red Admiral	-	LC	-
<b>SATYRIDAE</b>					
25. <i>Coenonympha arcania</i>	Funda zıpzıp perisi	Pearly Heath	-	LC	-
26. <i>Coenonympha pamphilus</i>	Küçük zıpzıp perisi	Small Heath	-	LC	-
27. <i>Brintesia circe</i>	Karamurat	Great Banded Grayling	-	LC	-

FAMILY - Species (Latin)	Species (Turkish)	Species (English)	IUCN International List	IUCN National List	Endemism
28. <i>Hipparchia pellucida</i>	Anadolu kızılmeleği	Anatolian Grayling	-	LC	-
29. <i>Hipparchia syriaca</i>	Büyük karamelek	Syrian Rock Grayling	-	LC	-
30. <i>Lasiommata maera</i>	Esmerboncuk	Large Wall Brown	-	LC	-
31. <i>Lasiommata megera</i>	Küçük esmerboncuk	Wall Butterfly	-	LC	-
32. <i>Maniola jurtina</i>	Çayıresmeri	Meadow Brown	-	LC	-
33. <i>Melanargia galathea</i>	Orman melikesi	Marbled White	-	LC	-
34. <i>Minois dryas</i>	Karahayalet	Dryad	-	LC	-
35. <i>Pararge aegeria*</i>	Karanlık orman esmeri	Speckled Wood	-	LC	-
<b>LYCAENIDAE</b>					
36. <i>Callophrys rubi</i>	Zümrüt	Green Hairstreak	-	LC	-
37. <i>Celastrina argiolus</i>	Kutsalmavi	Holly Blue	-	LC	-
38. <i>Cupido alcetas</i>	Fransız everesi	Provençal Short-tailed Blue	-	LC	-
39. <i>Cupido argiades</i>	Everes	Short-tailed Blue	-	LC	-
40. <i>Lampides boeticus</i>	Lampides	Long-tailed Blue	-	LC	-
41. <i>Lycaena alciphron</i>	Büyük morbakırgüzeli	Purple-shot Copper	-	LC	-
42. <i>Lycaena dispar</i>	Büyükbakır	Large Copper	LR/NT	NT	-
43. <i>Lycaena phlaeas</i>	Benekli bakır kelebeği	Small Copper	-	LC	-
44. <i>Lycaena thersamon</i>	Küçükateş	Lesser Fiery Copper	-	LC	-
45. <i>Lycaena tityrus</i>	İslibakır	Sooty Copper	-	LC	-
46. <i>Plebejus idas</i>	Idasmavisi	Idas Blue	-	LC	-
47. <i>Plebejus argus</i>	Gümüş lekeli esmergöz	Silver-studded Bl	-	LC	-
48. <i>Polyommatus anteros</i>	Çokgözlü balkan mavisi	Blue Argus	-	LC	-
49. <i>Polyommatus agestis</i>	Çokgözlü esmer	Brown Argus	-	LC	-
50. <i>Polyommatus bellis</i>	Çokgözlü güzelmavi	Beautiful Blue	-	-	-
51. <i>Polyommatus bellargus</i>	Çokgözlü gökmavisi	Adonis Blue	-	LC	-
52. <i>Polyommatus daphnis</i>	Çokgözlü dafnis	Meleager's Blue	-	-	-
53. <i>Polyommatus icarus</i>	Çokgözlü mavi	Common Blue	-	LC	-
54. <i>Satyrrium acaciae</i>	Minik sevbeni	Sloe Hairstreak	-	LC	-
55. <i>Satyrrium ilicis</i>	Büyük sevbeni	Ilex Hairstreak	-	LC	-
56. <i>Satyrrium spini</i>	Güzel sevbeni	Blue-spot Hairstreak	-	LC	-
57. <i>Satyrrium w-album</i>	Karaağaç sevbenisi	White-letter Hairstreak	-	LC	-
<b>HESPERIIDAE</b>					
58. <i>Erynnis tages</i>	Paslı zıpzıp	Dingy Skipper	-	LC	-

FAMILY - Species (Latin)	Species (Turkish)	Species (English)	IUCN International List	IUCN National List	Endemism
59. <i>Ochlodes venatus</i>	Orman zıpzıpı	Large Skipper	-	LC	-
60. <i>Pyrgus armoricanus</i>	İspanyol zıpzıpı	Oberthur's Grizzled Skipper	-	LC	-
61. <i>Pyrgus malvae</i>	Ebegümeci zıpzıpı	Grizzled Skipper	-	LC	-
62. <i>Spialia orbifer</i>	Kızıl zıpzıp	Red Underwing Skipper	-	LC	-
63. <i>Thymelicus sylvestris</i>	Sarı antenli zıpzıp	Small Skipper	-	LC	-

\* Species which are directly observed during field study. Other species come from literature data and/or expert judgement

Table L-2.2. Amphibian species detected inside Project Areas and surroundings

FAMILY – Species (Latin)	Species (Turkish)	Species (English)	IUCN	BERN	CITES	Habitat Directive
<b>ANURA</b>	Kuyruksuz Kurbağalar	Frogs and Toads				
<b>Bufonidae</b>	Kara Kurbağaları	Toads				
1. <i>Pseudepidalea variabilis</i>	Değişken Gece Kurbağası	Variable Toad	LC	App-III	-	Ann-IV
2. <i>Bufo bufo</i>	Siğilli Kurbağa	Common Toad	LC	App-III	-	-
<b>Hylidae</b>	Ağaç Kurbağaları	Tree frogs				
3. <i>Hyla orientalis</i>	Ağaç Kurbağası	Oriental Tree Frog	LC	App-II	-	-
<b>Ranidae</b>	Su Kurbağaları	Frogs				
4. <i>Pelophylax ridibundus</i> *	Ova Kurbağası	Euroasian Marsh Frog	LC	App-III	-	Ann-V
5. <i>Rana dalmatina</i>	Çevik kurbağa	Agile Frog	LC	App-II	-	Ann-IV
<b>CAUDATA</b>	Kuyruklu amfibiler	Salamanders and Newts				
<b>Salamandridae</b>	Semendergiller					
6. <i>Ommatotriton ophryticus</i>	Şeritli Karadeniz semenderi	Northern Banded Newt	<b>NT</b>	App-III	-	-
7. <i>Triturus karelini</i>	Pürtüklü semender	Southern Crested Newt	LC	App-II	-	Ann-IV
8. <i>Lissotriton vulgaris</i>	Küçük semender	Smooth Newt	LC	App-III	-	-

\* Species which are directly observed during field study. Other species come from literature data and/or expert judgement

Table L-2.3. Reptile species detected inside Project Areas and surroundings

FAMILY – <i>Species (Latin)</i>	<i>Species (Turkish)</i>	<i>Species (English)</i>	IUCN	BERN	MAK	CITES	Habitat Directive
<b>TESTUDINES</b>	<b>Kaplumbağalar</b>						
<b>Testudinidae</b>	Tosbağagiller						
1. <i>Testudo graeca*</i>	Tosbağa	Mediterranean Spur-thighed Tortoise	VU	App-II	App-I	App-II	Ann-II, IV
<b>SQUAMATA</b>	<b>Pullu sürüngenler</b>						
<b>Anguidae</b>							
2. <i>Anguis fragilis</i>	Yılanımsı Kertenkele		LC	App-III	App-I	-	-
3. <i>Pseudopus apodus</i>	Oluklu Kertenkele	European Glass Lizard	NE	App-II	App-I	-	Ann-IV
<b>Scincidae</b>							
4. <i>Ablepharus kitaibeilii</i>	İnce Kertenkele	European Copper Skink	LC	App-II	App-I	-	Ann-IV
<b>Lacertidae</b>							
5. <i>Darevskia rudis</i>	Trabzon Kertenkelesi	Spiny-Tailed Lizard	LC	App-III	App-I	-	-
6. <i>Ophisops elegans</i>	Tarla Kertenkelesi	Snake-eyed Lizard	NE	App-II	App-I	-	-
7. <i>Lacerta trilineata</i>	İri Yeşil Kertenkele	Balkan Green Lizard	LC	App-II	App-I	-	Ann-IV
8. <i>Lacerta viridis*</i>	Yeşil Kertenkele	European Green Lizard	LC	App-II	App-I	-	Ann-IV
9. <i>Podarcis muralis</i>	Duvar Kertenkelesi	Common Wall Lizard	LC	App-II	App-I	-	Ann-IV
<b>Colubridae</b>							
10. <i>Dolichophis caspius</i>	Hazer Yılanı	Caspian whipsnake	NE	App-II	App-I	-	Ann-IV
11. <i>Coronella austriaca</i>	Avusturya Yılanı	Smooth snake	NE	App-II	App-I	-	Ann-IV
12. <i>Eirenis modestus</i>	Uysal Yılan	Ring-headed Dwarf Snake	LC	App-III	App-I	-	Ann-IV
13. <i>Zamenis longissimus</i>	Eskülap Yılanı	Aesculapian Snake	LC	App-II	App-I	-	Ann-IV
14. <i>Platyceps najadum</i>	İnce Yılan	Dahl's Whip Snake	LC	App-II	App-I	-	Ann-IV
15. <i>Natrix natrix</i>	Yarı Sucul Yılan	Grass Snake	LC	App-III	App-I	-	-

\* Species which are directly observed during field study. Other species come from literature data and/or expert judgement.

Table L-2.4. Bird species detected within the Project Areas and surroundings

FAMILY – Species (Latin)	Species (Turkish)	Species (English)	IUCN	BERN	MAK	CITES	EU Bird Directive	Migratory
<b>GAVIIFORMES</b>	<b>DALGIÇLAR</b>							
<b>Podicipedidae</b>	<b>Dalgıçgiller</b>							
1. <i>Gavia arctica</i>	Karagerdanlı dalgıç		LC	App-II	App-II	-	Ann-I	+
<b>PODICIPEDIFORMES</b>	<b>LOPLU DALGIÇLAR</b>							
<b>Podicipedidae</b>	<b>Loplu Dalgıçgiller</b>							
2. <i>Podiceps cristatus</i>	Bahri	Great crested grebe	LC	App-III	App-I	-	-	+
3. <i>Podiceps nigricollis</i>	Kara Boyunlu Batağan	Black-necked greb	LC	App-II	App-I	-	-	+
4. <i>Podiceps grisegena</i>	Kızıl Boyunlu Batağan		LC	App-II	App-I	-	-	+
5. <i>Tachybaptus ruficollis</i>	Küçük Batağan	Little Grebe	LC	App-II	App-I	-	-	-
<b>Procellariidae</b>	<b>Yelkovangiller</b>							
6. <i>Puffinus yelkouan</i>	Yelkovan		NT	App-II	App-I	-	Ann-I	-
<b>PELECANIFORMES</b>	<b>KÜREK AYAKLILAR</b>							
<b>Phalacrocoracidae</b>	<b>Karabatak giller</b>							
7. <i>Phalacrocorax carbo</i> *	Karabatak	Great cormorant	LC	App-III	App-II	-	-	-
8. <i>Phalacrocorax aristotelis</i> *	Tepeli Karabatak	European shag	LC	App-II	App-I	-	Ann-I	-
<b>CICONIIFORMES</b>	<b>LEYLEKSİLER</b>							
<b>Ardeidae</b>	<b>Balıkçılar</b>							
9. <i>Ixobrychus minutus</i>	Küçük Balaban	Little bittern	LC	App-II	App-I	-	Ann-I	+
10. <i>Nycticorax nycticorax</i>	Gece Balıkçılı	Black-crowned night-heron	LC	App-II	App-I	-	Ann-I	+
11. <i>Ardeola ralloides</i>	Alaca Balıkçıl	Squacco heron	LC	App-II	App-I	-	Ann-I	+
12. <i>Egretta garzetta</i>	Küçük Akbalıkçıl	Little egret	LC	App-II	App-I	-	Ann-I	+
13. <i>Ardea alba</i>	Büyük Akbalıkçıl	Great White Egret	LC	App-II	App-I	-	Ann-I	+
14. <i>Ardea cinerea</i> *	Gri Balıkçıl	Grey heron	LC	App-III	App-II	-	-	+
15. <i>Ardea purpurea</i>	Erguvani Balıkçıl	Purple heron	LC	App-II	App-I	-	Ann-I	+
<b>Ciconidae</b>	<b>Leylekler</b>							
16. <i>Ciconia nigra</i>	Karaleylek	Black stork	LC	App-II	App-I	App-II	Ann-I	+
17. <i>Ciconia ciconia</i>	Akleylek	White stork	LC	App-II	App-I	-	Ann-I	+
<b>Threskiornithidae</b>	<b>Kelaynak giller</b>							
18. <i>Plegadis falcinellus</i>	Çeltikçi	Glossy ibis	LC	App-II	App-I	-	Ann-I	+
<b>ANSERIFORMES</b>	<b>KAZ VE ÖRDEKLER</b>							
<b>Anatidae</b>	<b>Ördek giller</b>							
19. <i>Cygnus olor</i>	Kuşu	Mute swan	LC	App-III	App-I	-	Ann-II.B	+
20. <i>Cygnus cygnus</i>	Ötücü kuğu	Wooper swan	LC	App-II	App-I	-	Ann-I	+
21. <i>Anas crecca</i>	Çamurcun	Common teal	LC	App-III	App-III	-	Ann-II.A, III.A	+
22. <i>Anas platyrhynchos</i>	Yeşilbaş Ördek	Mallard	LC	App-III	App-III	-	Ann-II.A, III.B	+

23.	<i>Anas querquedula</i>	Çıkrıkçın	Garganey	LC	App-III	App-III	-	Ann-II.A	+
24.	<i>Aythya fuligula</i>	Tepeli Patka	Tufted duck	LC	App-III	App-III	-	Ann-II.A, III.B	+
25.	<i>Aythya ferina</i>	Elmabaş Patka	Common pochard	LC	App-III	App-III	-	Ann-II.A, III.B	+
26.	<i>Bucephala clangula</i>	Altıngöz	Goldeneye	LC	App-III	App-II	-	Ann-II.B	+
27.	<i>Mergus serrator</i>	Tarakdiş	Red-breasted merganser	LC	App-III	App-II	-	Ann-II.B	+
<b>ACCIPITRIFORMES</b>		<b>YIRTICI KUŞLAR</b>							
<b>Accipitridae</b>		<b>Atmacagiller</b>							
28.	<i>Pernis apivorus</i>	Arı Şahini	European honey-buzzard	LC	App-II	App-I	-	Ann-I	+
29.	<i>Milvus migrans</i>	Kara Çaylak	Black kite	LC	App-II	App-I	-	Ann-I	+
30.	<i>Circaetus gallicus</i>	Yılan Kartalı	Short-toed snake-eagle	LC	App-II	App-I	-	Ann-I	+
31.	<i>Circus aeruginosus</i>	Saz Delicesi	Western marsh-harrier	LC	App-II	App-I	-	Ann-I	+
32.	<i>Circus cyaneus</i>	Gökçe Delice	Nothern harrie	LC	App-II	App-I	-	Ann-I	+
33.	<i>Accipiter nisus</i>	Atmaca	Eurasian sparrowhawk	LC	App-II	App-I	-	Ann-I	+
34.	<i>Buteo rufinus</i>	Kızıl Şahin	Long-legged buzzard	LC	App-II	App-I	-	Ann-I	-
35.	<i>Buteo buteo*</i>	Şahin	Common buzzard	LC	App-II	App-I	-	-	-
36.	<i>Aquila pomarina</i>	Küçük Orman Kartalı	Lesser spotted eagle	LC	App-II	App-I	-	Ann-I	+
37.	<i>Hieraetus pennatus</i>	Küçük Kartal	Booted Eagle	LC	App-II	App-I	-	Ann-I	+
<b>FALCONIFORMES</b>		<b>GÜNDÜZ YIRTICILARI</b>							
<b>Falconidae</b>		<b>Doğangiller</b>							
38.	<i>Falco tinnunculus</i>	Kerkenez	Common kestrel	LC	App-II	App-I	App-II	-	-
39.	<i>Falco naumanni</i>	Küçük Kerkenez	Lesser kestrel	LC	App-II	App-I	App-II	Ann-I	+
40.	<i>Falco vespertinus</i>	Ala Doğan	Red-footed falcon	NT	App-II	App-I	App-II	Ann-I	+
41.	<i>Falco columbarius</i>	Boz doğan	Merlin	LC	App-II	App-I	App-II	Ann-I	+
42.	<i>Falco subbuteo</i>	Delice Doğan	Eurasian hobby	LC	App-II	App-I	App-II	-	+
43.	<i>Falco peregrinus</i>	Gökdoğan	Peregrine falcon	LC	App-II	App-I	App-I	Ann-I	-
<b>GALLIFORMES</b>		<b>TAVUKLAR</b>							
<b>Phasianidae</b>		<b>Keklik ve Sülünler</b>							
44.	<i>Alectoris chukar</i>	Kımalı Keklik	Chukar	LC	App-III	App-III	-	Ann-II.B	-
45.	<i>Coturnix coturnix</i>	Bıldırcın	Common quai	LC	App-III	App-III	-	-	+
<b>GRUIFORMES</b>		<b>Yelvegiller</b>							
<b>Rallidae</b>		<b>Yelvegiller</b>							
46.	<i>Rallus aquaticus</i>	Sukılavuzu	Water rail	LC	App-III	App-II	-	Ann-II.B	+
47.	<i>Fulica atra</i>	Sakarmeke	Common coot	LC	App-III	App-III	-	Ann-II.A, III.B	+
<b>CHARADRIIFORMES</b>		<b>YAĞMURKUŞLARI</b>							
<b>Recurvirostridae</b>		<b>Avozetkuşgiller</b>							
48.	<i>Himantopus himantopus</i>	Uzunbacak	Black-winged stilt	LC	App-II	App-I	-	Ann-I	+
49.	<i>Recurvirostra avocetta</i>	Kılıçgaga	Pied avocet	LC	App-II	App-I	-	Ann-I	+
<b>Burhinidae</b>		<b>Kocagözler</b>							
50.	<i>Burhinus oedicephalus</i>	Kocagöz	Stone curlew	LC	App-II	App-I	-	Ann-I	+



<b>Charadriidae</b>	<b>Yağmurkuşugiller</b>							
51. <i>Charadrius dubius</i>	Küçük halkalı cılıbit	Little ringed plover	LC	App-II	App-I	-	-	+
52. <i>Charadrius hiaticula</i>	Halkalı cılıbit	Common ringed plover	LC	App-II	App-I	-	-	+
53. <i>Charadrius alexandrinus</i>	Akça cılıbit	Kentish plover	LC	App-II	App-I	-	Ann-I	+
54. <i>Pluvialis apricaria</i>	Altın yağmurcun	Eurasian golden plover	LC	App-III	App-II	-	Ann-I, III.B	+
55. <i>Pluvialis squatarola</i>	Gümüş yağmurcun	Grey plover	LC	App-III	App-II	-	-	+
<b>Scolopacidae</b>	<b>Çullukgiller</b>							
56. <i>Arenaria interpres</i>	Taşçeviren	Ruddy turnstone	LC	App-II	App-I	-	-	+
57. <i>Calidris alba</i>	Ak kumkuşu	Sanderling	LC	App-II	App-I	-	-	+
58. <i>Calidris minuta</i>	Küçük Kumkuşu	Little Stint	LC	App-II	App-I	-	-	+
59. <i>Calidris ferruginea</i>	Kızıl Kumkuşu	Curlew sandpiper	LC	App-II	App-I	-	-	+
60. <i>Calidris alpina</i>	Kara Karınlı Kumkuşu	Dunlin	LC	App-II	App-I	-	Ann-I	+
61. <i>Philomachus pugnax</i>	Döğüşken Kuş	Ruff	LC	App-III	App-II	-	Ann-I	+
62. <i>Gallinago gallinago</i>	Su Çulluğu	Common snipe	LC	App-III	App-III	-	Ann-II.A, III.B	+
63. <i>Tringa erythropus</i>	Kara Kızılback	Spotted redshank	LC	App-III	App-II	-	-	+
64. <i>Tringa totanus</i>	Yeşilback	Common redshank	LC	App-III	App-II	-	-	+
65. <i>Tringa nebularia</i>	Yeşilback	Common greenshank	LC	App-III	App-II	-	-	+
66. <i>Tringa stagnatilis</i>	Bataklik Düdükçünü	Marsh sandpiper	LC	App-II	App-I	-	-	+
67. <i>Tringa glareola</i>	Orman Düdükçünü	Wood sandpiper	LC	App-II	App-I	-	Ann-I	+
68. <i>Tringa ochropus</i>	Yeşil Düdükçün	Green sandpiper	LC	App-II	App-I	-	-	+
69. <i>Actitis hypoleucos</i>	Dere Düdükçünü	Common sandpiper	LC	App-II	App-I	-	-	+
<b>Stercorariidae</b>	<b>Korsanmartigiller</b>							
70. <i>Stercorarius parasiticus</i>	Korsanmartı	Parasitic jaeger	LC	App-III	App-II	-	-	+
71. <i>Stercorarius pomarinus</i>	Kütükuyruklu korsanmartı	Pomarine jaeger	LC	App-III	App-II	-	-	+
<b>Laridae</b>	<b>MARTILAR</b>							
72. <i>Larus melanocephalus</i>	Akdeniz Martısı	Mediterranean gull	LC	App-II	App-I	-	Ann-I	+
73. <i>Larus minutus</i>	Küçük Martı	Little gull	LC	App-II	App-I	-	Ann-I	+
74. <i>Larus ridibundus*</i>	Karabaş Martı	lack-headed gull	LC	App-III	App-II	-	-	-
75. <i>Larus michaellis*</i>	Gümüş Martı	Yellow-legged gull	LC	App-III	App-II	-	-	-
76. <i>Larus canus</i>	Küçük Gümüş Martı	Common Gull	LC	App-III	App-II	-	-	+
77. <i>Larus fuscus</i>	Karasırtlı Martı	Lesser Black-Backed Gull	LC	-	App-II	-	-	+
78. <i>Larus cachinnans</i>	Hazar Martısı	Caspian Gull	LC	App-III	App-II	-	-	+
79. <i>Sterna sandvicensis</i>	Kara gagalı sumru	Sandwich tern	LC	App-II	App-I	-	Ann-I	+
80. <i>Sterna hirundo</i>	Sumru	Common tern	LC	App-II	App-I	-	Ann-I	+
81. <i>Sterna albifrons</i>	Küçük sumru	Little tern	LC	App-II	App-I	-	Ann-I	+
82. <i>Chlidonias hybridus</i>	Bıyıklı sumru	Whiskered Tern	LC	App-II	App-I	-	Ann-I	+
83. <i>Chlidonias niger</i>	Kara sumru	Black tern	LC	App-II	App-I	-	Ann-I	+
84. <i>Chlidonias leucopterus</i>	Akkanatlı sumru	White-winged black tern	LC	App-II	App-I	-	-	+
<b>COLUMBIFORMES</b>	<b>GÜVERCİNLER</b>							

<b>Columbidae</b>	<b>Güvercingiller</b>							
85. <i>Columba livia*</i>	Kaya Güvercini	Rock pigeon	LC	App-III	App-III	-	Ann-II.A	-
86. <i>Columba palumbus</i>	Tahtalı Güvercin	Woodpigeon	LC	App-III	App-III	-	Ann-II.A	+
87. <i>Streptopelia decaocto*</i>	Kumru	Collared dove	LC	App-III	App-II	-	Ann-II.B	-
88. <i>Streptopelia turtur</i>	Üveyik	Turtle dove	LC	App-III	App-III	-	Ann-II.B	+
<b>CUCULIFORMES</b>	<b>GUGUKKUŞUGİLLER</b>							
<b>Cuculidae</b>	<b>Gugukkuşları</b>							
89. <i>Clamator glandarius</i>	Tepeli Gugukkuşu	Great spotted cuckoo	LC	App-II	App-I	-	-	+
90. <i>Cuculus canorus</i>	Gugukkuşu	Cuckoo	LC	App-III	App-I	-	-	+
<b>STRIGIFORMES</b>	<b>GECE YIRTICILARI</b>							
<b>Tytonidae</b>	<b>Peçelibaykuşlar</b>							
91. <i>Tyto alba</i>	Peçeli Baykuş	Barn owl	LC	App-II	App-I	App-II	-	-
<b>Strigidae</b>	<b>Baykuşlar</b>							
92. <i>Athene noctua</i>	Kukumav	Little owl	LC	App-II	App-I	App-II	-	-
93. <i>Strix aluco</i>	Alaca baykuş	Tawny owl	LC	App-II	App-I	App-II	-	-
<b>CAPRIMULGIFORMES</b>	<b>ÇOBANALDATANLAR</b>							
<b>Caprimulgidae</b>	<b>Çobanaldatangiller</b>							
94. <i>Caprimulgus europaeus</i>	Çobanaldatan	Nightjar	LC	App-II	App-I	-	Ann-I	+
<b>APODIFORMES</b>	<b>SAĞANLAR</b>							
<b>Apodidae</b>	<b>Ebabilgiller</b>							
95. <i>Apus apus</i>	Ebabil, Karasağan	Swift	LC	App-III	App-I	-	-	+
96. <i>Apus melba</i>	Akkarınlı Ebabil	Alpine swift	LC	App-II	App-I	-	-	+
97. <i>Apus pallidus</i>	Boz Ebabil	Pallid swift	LC	App-II	App-I	-	-	+
<b>CORACIIFORMES</b>	<b>KUZGUNKUŞLARI</b>							
<b>Alcedinidae</b>	<b>Yalıçapkınıgiller</b>							
98. <i>Alcedo atthis</i>	Yalıçapkını	Kingfisher	LC	App-II	App-I	-	Ann-I	-
<b>Meropidae</b>	<b>Arıkuşugiller</b>							
99. <i>Merops apiaster</i>	Arıkuşu	Bee-eater	LC	App-II	App-I	-	-	+
<b>Coraciidae</b>	<b>Kuzungiller</b>							
100. <i>Coracias garrulus</i>	Gök kuzgun	Roller	NT	App-II	App-I	-	Ann-I	+
<b>Upupidae</b>	<b>Çavuşkuşugiller</b>							
101. <i>Upupa epops</i>	İbibik	Hoopoe	LC	App-II	App-I	-	-	+
<b>PICIFORMES</b>	<b>AĞAÇKAKANLAR</b>							
<b>Picidae</b>	<b>Ağaçkakanlar</b>							
102. <i>Jynx torquilla</i>	Boyunçeviren	Wryneck	LC	App-II	App-I	-	-	+
103. <i>Dendrocopos syriacus</i>	Alaca Ağaçkakan	Syrian Woodpecker	LC	App-II	App-I	-	Ann-I	-
104. <i>Dendrocopos major</i>	Orman alaca ağaçkakanı	Great-Spotted Woodpecker	LC	App-II	App-I	-	-	-
105. <i>Dendrocopos medius</i>	Ortanca Ağaçkakan	Middle Spotted Woodpecker	LC	App-II	App-I	-	Ann-I	-
<b>PASSERIFORMES</b>	<b>ÖTÜCÜ KUŞLAR</b>							

<b>Alaudidae</b>	<b>Tarlakuşları</b>							
106. <i>Calandrella brachydactyla</i>	Bozkır Toygarı	Short-toed lark	LC	App-II	App-I	-	Ann-I	+
107. <i>Galerida cristata*</i>	Tepeli Toygar	Crested lark	LC	App-III	App-II	-	-	-
108. <i>Lullula arborea</i>	Orman Toygarı	Woodlark	LC	App-III	App-II	-	Ann-I	+
109. <i>Alauda arvensis</i>	Tarla Kuşu	Skylark	LC	App-III	App-II	-	Ann-II.B	+
<b>Hirundinidae</b>	<b>Kırlangıçgiller</b>							
110. <i>Hirundo rustica</i>	Kır Kırlangıcı	Swallow	LC	App-II	App-I	-	-	+
111. <i>Hirundo daurica</i>	Kızıl Kırlangıç	Red-rumped swallow	LC	App-II	App-I	-	-	+
112. <i>Delichon urbica</i>	Ev Kırlangıcı	House martin	LC	App-II	App-I	-	-	+
<b>Motacillidae</b>	<b>Kuyruksallayangiller</b>							
113. <i>Anthus campestris</i>	Kır İncirkuşu	Tawny pipit	LC	App-II	App-I	-	Ann-I	+
114. <i>Anthus trivialis</i>	Ağaç İncirkuşu	Tree pipit	LC	App-II	App-I	-	-	+
115. <i>Anthus pratensis</i>	Çayır İncirkuşu	Meadow pipit	LC	App-II	App-I	-	-	+
116. <i>Anthus cervinus</i>	Kızıl Gerdanlı İncirkuşu	Red throated pipit	LC	App-II	App-I	-	-	+
117. <i>Anthus spinoletta</i>	Dağ İncirkuşu	Water pipit	LC	App-II	App-I	-	-	+
118. <i>Motacilla flava</i>	Sarı Kuyruksallayan	Yellow Wagtail	LC	App-II	App-I	-	-	+
119. <i>Motacilla citreola</i>	Sarıbaşlı Kuyruksallayan	Citrine wagtail	LC	App-II	App-I	-	-	+
120. <i>Motacilla cinerea</i>	Dağ Kuyruksallayanı	Grey wagtail	LC	App-II	App-I	-	-	-
121. <i>*Motacilla alba*</i>	Akkuyruksallayan	Pied wagtail	LC	App-II	App-I	-	-	-
<b>Troglodytidae</b>	<b>Çit Kuşları</b>							
122. <i>Troglodytes troglodytes</i>	Çit Kuşu	Wren	LC	App-II	App-I	-	-	-
<b>Prunellidae</b>	<b>Bozboğazgiller</b>							
123. <i>Prunella modularis</i>	Dağbülbulü	Dunnock	LC	App-II	App-I	-	-	+
<b>Turdidae</b>	<b>Ardıçgiller</b>							
124. <i>Turdus merula*</i>	Karatavuk	Blackbird	LC	App-III	App-III	-	Ann-II.B	-
125. <i>Turdus pilaris</i>	Tarla Ardıcı	Fieldfare	LC	App-III	App-II	-	Ann-II.B	+
126. <i>Turdus philomelos</i>	Öter Ardıç	Song thrush	LC	App-III	App-II	-	Ann-II.B	-
127. <i>Turdus iliacus</i>	Kızıl Ardıç	Redwing	LC	App-III	App-III	-	Ann-II.B	+
<b>Sylviidae</b>	<b>Ötleğengiller</b>							
128. <i>Cettia cetti</i>	Kamış Bülbülü	Cetti's Warbler	LC	App-II	App-I	-	-	-
129. <i>Acrocephalus melanopogon</i>	Bıyıklı Kamışçın	Moustached warbler	LC	App-II	App-I	-	Ann-I	+
130. <i>Acrocephalus schoenobaenus</i>	Kindıra Kamışçını	Sedge Warbler	LC	App-II	App-I	-	-	+
131. <i>Hippolais pallida</i>	Ak Mukallit	Olivaceous warbler	LC	App-II	App-I	-	-	+
132. <i>Sylvia melanocephala</i>	Maskeli Ötleğen	Sardinian warbler	LC	App-II	App-I	-	-	-
133. <i>Sylvia curruca</i>	Küçük Akgerdanlı Ötleğen	Lesser Whitethroat	LC	App-II	App-I	-	-	+
134. <i>Sylvia communis</i>	Akgerdanlı Ötleğeni	Whitethroat	LC	App-II	App-I	-	-	+
135. <i>Sylvia atricapilla</i>	Karabaşlı Ötleğen	Blackcap	LC	App-II	App-I	-	-	+
136. <i>Phylloscopus collybita</i>	Çıvgın	Chiffchaff	LC	App-II	App-I	-	-	+
137. <i>Phylloscopus trochilus</i>	Söğütbülbülü	Willow warbler	LC	App-II	App-I	-	-	+

<b>Regulidae</b>									
138.	<i>Regulus ignicapillus</i>	Sürmeli Çalığı	Firecrest	LC	App-II	App-I	-	-	+
139.	<i>Regulus regulus</i>	Çalığı	Goldcrest	LC	App-II	App-I	-	-	+
<b>Muscicapidae</b>		<b>Sinekkapangiller</b>							
140.	<i>Cercotrichas galactotes</i>	Çalıbülbülü	Rufous bush robin	LC	App-II	App-I	-	-	+
141.	<i>Erithacus rubecula*</i>	Kızılgerdan	Robin	LC	App-II	App-I	-	-	-
142.	<i>Luscinia megarhynchos</i>	Bülbül	Nightingale	LC	App-II	App-I	-	-	+
143.	<i>Luscinia svecica</i>	Buğdaycı, Mavi Gerdan	Bluethroat	LC	App-II	App-I	-	Ann-I	
144.	<i>Phoenicurus ochruros*</i>	Kara Kızılkuyruk	Black redstart	LC	App-II	App-I	-	-	+
145.	<i>Phoenicurus phoenicurus*</i>	Kızılkuyruk	Redstart	LC	App-II	App-I	-	-	+
146.	<i>Saxicola rubetra</i>	Çayır Taşkuşu	Whinchat	LC	App-II	App-I	-	-	+
147.	<i>Saxicola torquata</i>	Taşkuşu	Stonechat	LC	App-II	App-I	-	-	+
148.	<i>Oenanthe isabellina</i>	Boz Kuyrukkakan	Isabellina wheatear	LC	App-II	App-I	-	-	+
149.	<i>Oenanthe oenanthe</i>	Kuyrukkakan	Northern wheatear	LC	App-II	App-I	-	-	+
150.	<i>Muscicapa striata</i>	Benekli Sinekkapan	Spotted flycatcher	LC	App-II	App-I	-	-	+
151.	<i>Ficedula parva</i>	Küçük Sinekkapan	Red-breasted flycatcher	LC	App-II	App-I	-	Ann-I	+
152.	<i>Ficedula hypoleuca</i>	Kara Sinekkapan	Pied flycatcher	LC	App-II	App-I	-	-	+
153.	<i>Ficedula semitorquata</i>	Alaca Sinekkapan	Semi-Collared Flycatcher	NT	App-II	App-I	-	Ann-I	+
154.	<i>Ficedula albicollis</i>	Halkalı Sinekkapan	Collared flycatcher	LC	App-II	App-I	-	Ann-I	+
<b>Aegithalidae</b>		<b>Uzunkuyruk baştankaralar</b>							
155.	<i>Aegithalos caudatus</i>	Uzunkuyruklu Baştankara	Long-tailed tit	LC	App-III	App-II	-	-	-
<b>Paridae</b>		<b>Baştankaragiller</b>							
156.	<i>Parus ater*</i>	Çam Baştankarası	Coal tit	LC	App-II	App-I	-	-	-
157.	<i>Parus caeruleus</i>	Mavi Baştankara	Blue tit	LC	App-II	App-I	-	-	-
158.	<i>Parus major*</i>	Büyük Baştankara	Great tit	LC	App-II	App-I	-	-	-
159.	<i>Parus lugubris</i>	Kayın Baştankarası	Marsh Tit	LC	App-II	App-I	-	-	-
<b>Oriolidae</b>		<b>Sarıasmağiller</b>							
160.	<i>Oriolus oriolus</i>	Sarıasma	Golden oriole	LC	App-II	App-I	-	-	+
<b>Laniidae</b>		<b>Örümcekkuşları</b>							
161.	<i>Lanius collurio</i>	Kızılsırtlı Örümcekkuşu	Red-backed shrike	LC	App-III	App-I	-	Ann-I	+
162.	<i>Lanius minör</i>	Karaalınlı Örümcekkuşu	Lesser grey shrike	LC	App-III	App-I	-	Ann-I	+
163.	<i>Lanius senator</i>	Kızılbaşlı Örümcekkuşu	Woodchat shrike	LC	App-III	App-I	-	-	+
164.	<i>Lanius nubicus</i>	Maskeli Örümcekkuşu	Masked shrike	LC	App-III	App-I	-	Ann-I	+
<b>Corvidae</b>		<b>Kargagiller</b>							
165.	<i>Garrulus glandarius*</i>	Kestane Kargası	Jay	LC	--	App-III	-	Ann-II.B	-
166.	<i>Pica pica</i>	Saksağan	Magpie	LC	--	App-III	-	Ann-II.B	-
167.	<i>Corvus frugilegus</i>	Ekin kargası	Rook	LC	--	App-III	-	Ann-II.B	-
168.	<i>Corvus corone*</i>	Leş kargası	Carrion crow	LC	--	App-III	-	Ann-II.B	-
169.	<i>Corvus corax</i>	Kuzgun	Raven	LC	App-III	App-II	-	-	-

<b>Sturnidae</b>	<b>Sığircıkçiller</b>							
170. <i>Sturnus vulgaris</i>	Sığircık	Starling	LC	--	App-II	-	Ann-II.B	-
<b>Passeridae</b>	<b>Serçegiller</b>							
171. <i>Passer domesticus*</i>	Ev Serçesi	House sparrow	LC	--	App-III	-	-	-
172. <i>Passer hispaniolensis*</i>	Söğüt Serçesi	Spanish sparrow	LC	App-III	App-II	-	-	+
173. <i>Passer montanus</i>	Ağaç Serçesi	Tree Sparrow	LC	App-III	App-II	-	-	-
<b>Fringillidae</b>	<b>İspinozçiller</b>							
174. <i>Fringilla coelebs*</i>	İspinoz	Chaffinch	LC	App-III	App-II	-	-	-
175. <i>Fringilla montifringilla</i>	Dağ İspinozu	Brambling	LC	App-III	App-II	-	-	-
176. <i>Serinus serinus</i>	Küçük İskete	Serin	LC	App-II	App-I	-	-	+
177. <i>Carduelis chloris*</i>	Florya	Greenfinch	LC	App-II	App-I	-	-	-
178. <i>Carduelis carduelis</i>	Saka	Goldfinch	LC	App-II	App-I	-	-	-
179. <i>Carduelis cannabina</i>	Ketenkuşu	Linnet	LC	App-II	App-I	-	-	-
180. <i>Carpodacus erythrinus</i>	Çütre	Common Rosefinch	LC	App-II	App-I	-	-	+
181. <i>Coccothraustes coccothraustes</i>	Kocabaş	Hawfinch	LC	App-II	App-I	-	-	-
<b>Emberizidae</b>	<b>Kirazkuşugiller</b>							
182. <i>Emberiza cia</i>	Kaya Kirazkuşu	Rock bunting	LC	App-II	App-I	-	-	-
183. <i>Emberiza citrinella</i>	Sarı çinte	Yellow hammer	LC	App-II	App-I	-	-	+
184. <i>Emberiza cirrus</i>	Bahçe çintesi	Cirl Bunting	LC	App-II	App-I	-	-	-
185. <i>Emberiza hortulana</i>	Kirazkuşu	Ortolan	LC	App-III	App-II	-	Ann-I	+
186. <i>Emberiza melanocephala</i>	Karabaşlı Kirazkuşu	Black-headed bunting	LC	App-II	App-I	-	-	+
187. <i>Miliaria calandra</i>	Tarla Kirazkuşu	Corn bunting	LC	App-III	App-II	-	-	-

\* Species which were directly observed during field study. Other species come from literature data and/or expert judgement

Table L-2.5. Mammal species detected within the Project Areas and surroundings

<b>FAMILY – Species (Latin)</b>	<b>Species (Turkish)</b>	<b>Species (English)</b>	<b>IUCN</b>	<b>BERN</b>	<b>MAK</b>	<b>CITES</b>	<b>Habitat Directive</b>
<b>ERINACEOMORPHA</b>							
<b>Erinaceidae</b>							
1. <i>Erinaceus concolor</i>	Kirpi	Southern White-breasted Hedgehog	LC	-	App-I	-	-
<b>SORICOMORPHA</b>							
<b>Soricidae</b>							
2. <i>Neomys anomalus</i>	Bataklık Böcekçili	Southern Water Shrew	LC	App-III	-	-	-
3. <i>Crociodura leucodon</i>	Çiftrenkli Beyazdişli Böcekçil	Bicolored Shrew	LC	App-III	-	-	-
4. <i>Crociodura suaveolens</i>	Küçük Beyazdişli Böcekçil	Lesser White-toothed Shrew	LC	App-III	-	-	-
<b>CHIROPTERA</b>							

FAMILY – Species (Latin)	Species (Turkish)	Species (English)	IUCN	BERN	MAK	CITES	Habitat Directive	
<b>Rhinolophidae</b>								
5.	<i>Rhinolophus hipposideros</i>	Küçük Nalburunlu Yarasa	Lesser Horseshoe Bat	LC	App-II	App-I	-	Ann-II, IV
6.	<i>Rhinolophus ferrumequinum</i>	Büyük Nalburunlu yarasa	Greater Horseshoe Bat	LC	App-II	App-I	-	Ann-II, IV
7.	<i>Rhinolophus euryale</i>	Akdeniz Nalburunlu yarasası	Mediterranean Horseshoe Bat	NT	App-II	App-I	-	Ann-II, IV
8.	<i>Rhinolophus blasii</i>	Blasius Nalburunlu Yarasası	Blasius s Horseshoe Bat	LC	App-II	App-I	-	Ann-II, IV
<b>Vespertilionidae</b>								
9.	<i>Myotis myotis</i>	Farekulaklı Büyük Yarasa	Greater Mouse-eared Bat					
10.	<i>Myotis emarginatus</i>	Kirpikli Yarasa	Geoffroy s Bat	LC	App-II	App-I	-	Ann-II, IV
11.	<i>Myotis mystacinus</i>	Bıyıklı Yarasa	Whiskered Bat	LC	App-II	App-I	-	Ann-II, IV
12.	<i>Myotis capaccinii</i>	Uzunayaklı Yarasa	Long-fingered Bat	<b>VU</b>	App-II	App-I	-	Ann-II, IV
13.	<i>Nyctalus leisleri</i>	Küçük Ağaç Yarasası	Lesser Noctule	LC	App-II	App-I	-	Ann-IV
14.	<i>Eptesicus serotinus</i>	Genişkanatlı Yarasa	Serotine Bat	LC	App-II	App-I	-	Ann-IV
15.	<i>Pipistrellus pipistrellus</i>	Cüce Yarasa	Common Pipistrelle	LC	App-III	App-I	-	Ann-IV
16.	<i>Miniopterus schreibersii</i>	Uzunkanatlı Yarasa	Common Bent-wing Bat	NT	App-II	App-I	-	Ann-IV
<b>RODENTIA</b>								
<b>Sciuridae</b>								
17.	<i>Sciurus anomalus</i>	Sincap	Caucasian Squirrel	LC	App-II	App-I	-	-
<b>Cricetidae</b>								
18.	<i>Microtus lewis</i>	Tarlafaresi	Sibling Vole	LC	-	-	-	-
<b>Muridae</b>								
19.	<i>Apodemus mystacinus</i>	Kaya Faresi	Broad-toothed Field Mouse	LC	-	-	-	-
20.	<i>Apodemus witherbyi</i>	Orman Faresi	Steppe Field Mouse	LC	-	-	-	-
21.	<i>Apodemus flavicollis</i>	Sarıboyunlu ormanfaresi	Yellow-necked Mouse	LC	-	-	-	-
22.	<i>Apodemus uralensis</i>	Cüce ormanfaresi	Ural Field Mouse	LC	-	-	-	-
23.	<i>Rattus rattus</i>	Sıçan	Black Rat	LC	-	-	-	-
24.	<i>Rattus norvegicus</i>	Göçmen Sıçan	Brown Rat	LC	-	-	-	-
25.	<i>Mus domesticus</i>	Evfaresi	House Mouse	LC	-	-	-	-
26.	<i>Mus macedonicus</i>	Sarı Evfaresi	Macedonian Mouse	LC	-	-	-	-
<b>Gliridae</b>								
27.	<i>Glis glis</i>	Yediuyur		LC	App-III	App-I	-	-
28.	<i>Muscardinus avellanarius</i>	Fındık faresi		LC	App-III	App-I	-	-
<b>CARNIVORA</b>								
<b>Canidae</b>								
29.	<i>Canis aureus</i>	Çakal	Golden Jackal	LC	-	App-III	-	-
30.	<i>Vulpes vulpes</i>	Tilki	Red Fox	LC	-	App-III	-	-
<b>Mustelidae</b>								

<b>FAMILY – Species (Latin)</b>	<b>Species (Turkish)</b>	<b>Species (English)</b>	<b>IUCN</b>	<b>BERN</b>	<b>MAK</b>	<b>CITES</b>	<b>Habitat Directive</b>
31. <i>Mustela nivalis</i>	Gelincik	Least Weasel	LC	App-III	App-II	-	-
32. <i>Martes foina</i>	Kaya Sansarı	Beech Marten	LC	App-III	App-III	-	-
33. <i>Lutra lutra</i>	Su Samuru	European otter	NT	App-II	App-I	App-I	Ann-II, IV
34. <i>Meles meles</i>	Porsuk	European Badger	LC	App-III	App-II	-	-
<b>Felidae</b>							
35. <i>Felis silvestris</i>	Yaban Kedisi	Wild Cat	LC	App-II	App-II	-	App-IV
<b>ARTIODACTYLA</b>							
<b>Bovidae</b>							
36. <i>Sus scrofa</i>	Yaban domuzu	Wild Boar	NE	-	App-III	-	-
<b>CETACEA</b>							
<b>Delphinidae</b>							
37. <i>Delphinus delphis</i>	Titrak	Short-beaked Common Dolphin	LC	App-II	-	App-II	-
38. <i>Tursiops truncatus</i>	Afalina	Common Bottlenose Dolphin	LC	App-II	-	App-II	-
<b>Delphinidae</b>							
39. <i>Phocoena phocoena</i>	Mutur	Harbour porpoise	LC	App-II	-	App-II	-

\* Species which are directly observed during field study. Other species come from literature data and/or expert judgement.

## **ANNEX L-3**

### **Aquatic Organism Inventory of the Project Site**



Table L-3.1. Micro and macro algae existing in the Project Site and its surroundings

Species	Sampling Stations				
	1	2	3	4	5
<b>CYANOBACTERIA</b>					
<b>CYANOPHYCEAE</b>					
<b>GOMPHOSPHAERIACEAE</b>	+	+	+	+	-
<i>Gomphosphaeriaaponina</i> Kütz					
<i>Calothrix</i> aerugine	+	-	-	+	-
<i>Hydrocoleum</i> lynbyaceuLyngbyaconfervoides	-	+	-	+	+
<i>Lyngbya</i> majuscula	-	+	+	-	+
<i>Lyngbya</i> martensiana	+	-	-	+	-
<i>Merismopedia</i> glauca	+	-	+	-	+
<i>Microcoleus</i> wuitneri	-	+	-	+	-
<i>Microcystis</i> aeruginosa	-	+	-	+	+
<b>OSCILLATORIA</b> CEAE					
<i>Lyngbya</i> confervoidesC.Ag. exGomont	+	-	+	-	+
<i>L. martensiana</i> MeneghiniexGomont	+	+	+	+	-
<b>PHORMIDIACEAE</b>					
<i>Phormidium</i> mambiguumGomont	+	+	+	-	-
<b>RIVULARIACEAE</b>					
<i>Calothrix</i> confervicola (Dillw.) C. Ag.	+	+	+	-	+
<i>Rivularia</i> polyotis (J. Ag.) Hauck	+	-	+	-	+
<b>RHODOPHYTA</b>					
<b>BANGIACEAE</b>					
<i>Bangia</i> atropurpurea(Roth) C.Ag.	+	+	+	-	+
<i>Porphyra</i> leucostictaThur.	-	+	+	-	-
<i>P. umbilicalis</i> (L.) Kütz.	+	+	+	-	+
<b>GELIDIALES</b>					
<b>GELIDIACEAE</b>					
<i>Gelidium</i> crinale (Hare ex Turner) Gaillon	+	+	+	+	+
<i>G. spathulatum</i> (Kütz.) Born.	+	+	+	-	+
<i>G. spinosum</i> (Gmelin) Silva	+	+	-	+	-
<i>P. melanoidea</i> (Schousb. exBorn.) Santelices & Homd.	+	-	+	-	+
<b>GRACILARIALES</b>					
<b>GRACILARIACEAE</b>					
<i>Gracilariagracilis</i> (Stackhouse) Steentoft, Irvine & Farnham	+	+	+	-	+
<b>CERAMIEAE</b>					
<i>Ceramium</i> ciliatum (Ellis) Ducl.	+	+	+	-	-
<b>POLYSIPHONIEAE</b>					
<i>Herposiphonia</i> secunda (C.Ag.) Ambronn	+	-	+	-	+
<i>P. elongata</i> (Huds.) Harv.	-	+	+	-	+
<i>P. fucoides</i> (Hudson) Greville	+	+	+	-	-
<b>PHAEOPHYCEAE</b>					
<b>ECTOCARPACEAE</b>					
<i>Ectocarpus</i> siliculosus (Dillw.) Lyngb.	+	+	+		+
<b>FUCALES</b>					
<b>SARGASSACEAE</b>					
<i>Cystoseira</i> barbata (Stackhouse) C.Ag.	+	+	+	+	+
<i>C. concatenata</i> (L.) C. Agardh f. <i>Repens</i> Zinova & Kalugina	+	+	+	+	+
<i>Sargassum</i> acinarum (L.) Setchell	+	+	+	+	+
<b>CHLOROPHYTA</b>					
<b>CHAETOPHORALES</b>					
<b>CHAETOPHORACEAE</b>					
	+	+	-		+

Species	Sampling Stations				
	1	2	3	4	5
<i>Entocladia viridis</i> Reinke					
<b>ULOTHRICALES</b>					
<b>ULOTHRICACEAE</b>					
<i>Ulothrix flacca</i> (Dillw.) Thuret in Le Jolis	+	+	+	+	-
<i>U. implexa</i> (Kütz.) Kütz.	+	-	+	+	+
<i>U. tenerrima</i> (Kütz.) Kütz.	+	+	+	-	+
<i>U. zonata</i> (Weber&Mohr) Kützing	+	+	-	+	+
<b>ULVALES</b>					
<b>ULVACEAE</b>					
<i>Ulvaclathrata</i> (Roth) C.Agardh	+	+	+	-	-
<i>Ulvacompressa</i> L.	+	+	-	-	+
<i>Ulvaflexuosa</i> Wulf.	+	+	+	+	-
<i>Ulvalactuca</i> L.	+	+	+	-	+
<i>Ulvalinza</i> L.	+	-	+	-	+
<i>Enteromorpha ahleriana</i> (Roth) Greville]	-	+	+	-	+
<i>Ulvaprolifera</i> O.F. Müller.	+	-	+	-	+
<i>Enteromorpha intestinalis</i> (L) Nees.	+	-	+	+	+
<b>CLADOPHORALES</b>					
<b>CLADOPHORACEAE</b>					
<i>Chaetomorpha aerea</i> (Dillw.) Kütz.	+	+	+	-	-
<i>Cladophora albidula</i> (Nees) Kütz.	+	+	+	+	+
<i>C. glomerata</i> (L.) Kütz. var. <i>glomerata</i>	-	+	+	-	+
<i>C. hutchinsiae</i> (Dillw.) Kütz.	+	+	+	+	+
<b>DICTYOTALES</b>					
<b>DICTYOTACEAE</b>					
<i>Dictyota fasciola</i> (Roth) Lam.	+	+	+	-	+
<i>D. fasciola</i> (Roth) Lam. var. <i>repens</i> (J.Ag.) Ardissonne	+	-	+	-	+
<b>ZONARIAEA</b>					
<i>Padinapavonica</i> (L.) Thivy	+	+	+	-	-
<b>BRYOPSIDALES</b>					
<b>BRYOPSIDACEAE</b>					
<i>Bryopsis corymbosa</i> J.Ag.	+	+	+	+	+
<i>B. cupressina</i> Lamour.	+	+	+	-	-
<b>CODIALES</b>					
<b>CODIACEAE</b>					
<i>Codium tomentosum</i> Stackhouse	+	+	+	+	+
<b>PERMATOPHYCEAE (DENİZ ÇİÇEKLI BİTKİLERİ)</b>					
<i>Posidonia Posidonia oceanica</i>	-	+	+	+	+
<i>Zostera Zostera marina</i>	-	+	+	+	-

Table L-3.2. Zooplanktonic Organisms-Invertebrates existing Project Site and its surroundings

Species	Sampling Stations				
	1	2	3	4	5
<b>ROTATORIA</b>					
<i>Asplanchna</i> sp.	+	+	+	+	+
<i>Synchaeta</i> sp.	-	+	+	+	-
<i>Hexarthra</i> sp.	+	+	+	-	-
<i>Polyarthra</i> sp.	+	+	-	+	+
<i>Cephalodella</i> sp.	+	+	-	-	-
<i>Brachionus angularis</i>	-	+	-	+	+

Species	Sampling Stations				
	1	2	3	4	5
<b>CLADOCERA</b>					
<i>Chydorus sphaericus</i>	+	-	-	+	+
<i>Daphnia obtusa</i>	+	+	-	-	-
<i>Evadne spinifera</i>	+	-	+	+	+
<b>COPEPODA</b>					
<i>Acartia clausii</i>	+	+	-	+	-
<i>Acartia latisetosa</i>	+	+	-	+	+
<i>Calanipeda aquadulcis</i>	-	-	+	+	-
<i>Calocala nuspavo</i>	-	+	+	+	-
Canuella sp.	+	-	-	+	+
<b>DECOPODA</b>					
Bracyura larvası	+	+	-	+	-
<i>Palaemon adspersus</i>	+	-	+	+	-
<i>Palaemon elegans</i>	+	+	+	+	-
<i>Palaemon longirostris</i>	+	+	-	-	-
<i>Palaemon serratus</i>	-	+	+	-	-
<i>Palaemon xiphias</i>	-	-	+	+	+
<b>MOLLUSCA</b>					
Bivalvia veliger larvası	+	+	-	-	+
Gastropoda larvası	+	+	+	-	-
<b>ISOPODA</b>					
<i>Dynamene bifida</i>	+	-	+	+	-
<i>Dynamene edwardsi</i>	+	+	+	-	-
<i>Dynamene magnitorata</i>	-	+	+	+	-
<b>OSTRACODA</b>					
<i>Acantocythereis hystrix</i>	+	-	+	+	+
<i>Aurila speyeri</i>	+	+	+	-	-

Table L-3.3. Bentic Organisms-Invertebrates existing Project Site and its surroundings

Species	Sampling Stations				
	1	2	3	4	5
<b>MOLLUSCA</b>					
<b>GASTROPODA</b>					
<b>MESOGASTROPODA</b>					
Hydrobiidae					
Hydrobia					
<i>Hydrobia ventrosa</i> (Montagu, 1803)	+	-	-	+	-
Valvatasp.	-	-	+	+	-
<i>Theodoxus fluviatilis</i> (Linnaeus, 1758)	-	-	+	+	+
<i>Bittium reticulatum</i> (da Costa, 1778)	+	+	-	+	+
<i>Rissoa splendida</i> Eichwald, 1830	+	+	-	+	-
<b>VENEROİDA</b>					
<b>SEMELİDAE</b>					
Abra					
<i>Abra segmentum</i> (Recluz, 1843)	-	+	-	+	-
<b>POLYCHAETA</b>					
<i>Eulaliopusilla</i>	+	-	+	+	+
<i>Dynamene magnitorata</i>	-	+	+	+	-
<b>OSTRACODA</b>					
<i>Acantocythereis hystrix</i>	+	-	+	+	+
<i>Aurila speyeri</i>	+	+	+	-	-

<b>ANNELIDA</b>					
Polychaeta larvası	-	+	+	+	-
Eunicevittata					
Glycerarouxii	+	+	+	+	+
Harmothoespinifera	-	+	+	+	-
Kefersteinia cirrata	+	-	+	-	+

Table L-3.4. Fishes – Vertebrates existing Project Site and its surroundings

Species	Sampling Stations					IUCN	BERN	BREEDING PERIOD
	1	2	3	4	5			
<b>RAJIDAE</b>								
<i>Raja clavata</i>	+	+	-	+	+	NT	-	April-July
<b>TRIAKIDAE</b>								
<i>Mustelus mustelus</i>	-	+	-	-	+	VU	-	March-May
<b>BELENNIIDAE</b>								
<i>Blennius</i> sp.	-	+	+	-	-	-	-	*
<b>ENGRAULIDAE</b>								
<i>Engraulis encrasicolus</i>	+	+	+	+	+	-	-	May-September
<b>GOBIDAE</b>								
<i>Gobius</i> sp.	+	+	-	-	+	-	-	March-May
<i>Gobius niger</i>	+	+	-	+	+	-	-	May-August
<b>CLUPEIDAE</b>								
<i>Sardina pilchardus</i>	+	-	+	+	-	-	-	February-October
<i>Sardinella aurita</i>	-	+	+	+	+	-	-	March-August
<b>ANGUILLIDAE</b>								
<i>Anguilla anguilla</i>	+	+	+	-	+	CR	-	April-June
<b>CARANGIDAE</b>								
<i>Lichia amia</i>	+	-	+	-	-	-	-	April-June
<i>Naukrates ductor</i>	+	-	+	+	-	-	-	September-December
<b>MULLIDAE</b>								
<i>Mullus surmuletus</i>	+	+	+	+	+	-	-	May-August
<b>SCOMBRIDAE</b>								
<i>Scomber scombrus</i>	+	+	+	-	+	LC	-	March-May
<b>SCOPHTHALMIDAE</b>								
<i>Scophthalmus maeoticus</i>	+	+	-	+	-	-	-	April-June
<b>GADIDAE</b>								
<i>Merlangius merlangus euxinus</i>	+	+	+	+	+	-	-	January-May
<b>POMATOMIDAE</b>								
<i>Pomatamus saltatrix</i>	+	+	-	+	-	-	-	March-June
<b>SPARIDAE</b>								
<i>Diplodus puntazzo</i>	+	+	-	+	+	-	-	August-November
<i>Sparus aurata</i>	+	+	+	-	-	-	-	October-January
<i>Diplodus vulgaris</i>	+	+		+	+	-	-	*
<b>CENTRACANTHIDAE</b>								
<i>Spicara flexuosa (Spicara maena)</i>	+	+	+	+	+	-	-	April-July

\*No information is provided within the related ecology study report.