APPENDIX 4

FAUNA INVENTORY

(Amphibians, Reptiles and Mammals)

그는 그는 그는 그림과 사람이 있다면 하는 사람들이 있다는 그 그리고 있는 것을 하는 것을 하는 것을 모음을 걸렸다.	
그는 그는 이 마음을 보고 하여도 하고 있는데 얼마 그 아이를 하는데 얼마를 했다. 마음을 보였다.	
그 그는 그리고 있는 하는 이용이다는 점점 하는 하는데 보다는 다양하는데 하는데 생활을 보고 있다. 선생이	
그는 그는 사람들은 경험 경찰 등을 가는 사람들이 살아서는 사람들이 가장 하는 것 같아 살아왔다.	
그는 그런 그리는 그 그리고 있는데 내가 하지만 있다면 하는데 한테 모르는 사람들의 사람들이 되었습니다.	
그 그 그는 것이 그렇게 한 잔을 하는 것이 하는 것이 되었다. 그렇게 하지 않는 것이 모양하다.	
그는 그는 사람들에게 돌아왔다. 이 나는 사람들이 있는 사람들은 사람들이 가득하면 다음을 하였다.	
그리는 그는 그 그리는 희물에 하려면 하는데 그의 하고 있는데 얼굴이 얼굴하는데 모든 것을 했다.	
。 "你看一点人生的"如何说明,你说一个人心的,我们是说,"那么"我们生活的人的话,这个人心的意思,就是这样的人。	
는 사용하는 사용하는 경기에 함께 되었다. 그는 사용성 경기를 취임하는 경기를 취임하는 것이 가능을 하는 것이 되었다. 그는 사용하는 것이 되었다. 	
一个一点,这一点,不知,我们就是一个一种,就是这个人的人,我们就是一个人的事,我们就是一个人的人的,我们就是一个人的人的人,	
그는 그는 그는 그리는 이번 시간을 보고 있다면 하는데 되었다. 그는 그는 그는 그를 받는데 되었다. 그를 받는데 그렇게 되었다. 그렇게 되었다면 보다 되었다. 그렇게 되었다면 보다 되었다면 보다 되었다면 보다 되었다면 되었다면 보다 되었다면 되었다면 보다 되었다면 되었다면 보다 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다	
그는 그 전에 되어 하는 것이 그렇게 되었다. 불만한 목표를 하는 말을 통해 불해 되었다.	
그리는 그들은 하는 사람들은 사람이 가는 가장 만든 목표를 만든 사람들에 살 속하지 않는 것이 얼굴로 만들었다.	
그 그 그는 그는 한 사람이 그는 것이 되는 사람이 이렇게 되었다. 그들은 경험적으로 살아가는 사람들이 없다.	
도 있는 사람들이 되었다. 그는 사람들이 가지 않는 사람들이 되었다. 그런 사람들은 사람들이 되었다. 그런 그런 사람들이 되었다. 	
,一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하	
그는 사람들이 되는 것이 되었다. 그런 것이 되는 것이 되었다. 그런 것이 없는 것이 없는 것이 없는 것이 없었다. 	
그는 사람들은 그는 사람들은 문제 가장 사람들이 되었다면 하는 것이 되었다면 하는 것이 되었다면 하는 것이 없었다면 하는 것이 없었다면 하는 것이 없다면 하는 것이 없다면 하는 것이다면 하는 것이다면 하는데	
그는 그는 그는 그는 사람들이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 기를 가지 않는 것을 받았다.	
。	
그는 그는 그는 그는 그를 가는 어디에 가는 것이 가득이 어떻게 되는 것이다. 그는 그것들에게 당아 하셨다면 하는 것을 만난 점점 시험을 가는 것을 다 했다.	
그는 이는 일본 등에 보는 이는 그는 그의 사용 회원으로 등 경우를 맞는 것은 것은 것은 것은 것을 받는 것을 받는 것을 받는다.	
그는 이 이번 그리고 있었다. 그는 이상, 그런 작업 대장 회사를 모르는 모르는 그래도 불어 없었다. 그리고 있다.	
· · · · · · · · · · · · · · · · · · ·	

FRESHWATER FISHES

Anguilla anguilla LINNAEUS, 1766 (eel)

They are encountered in all rivers reaching seas. They migrate to the Mexican Gulf for breeding. It is an important game animal with its delicious meat.

Leuciscus cephalus LINNAEUS, 1758 (bleak)

It is prevalent in all inland waters of Türkiye. They are hunted especially in spring and summer months in large numbers. Its meat is delicious.

In addition to these species, Cyprinus caprio LINNAEUS, 1758 (roach), Alburnus alburnus LINNAEUS, 1758 (pearl fish), Cobitis taenia LINNAEUS, 1758, Gobio gobio CUVIER, 1817, Nemachelius angorae STEINDACHNER, 1897, Rhodeus sericeus amarus BLOCH, 1782 (bitterling), Scardinius erythrophthalmus LINNAEUS, 1758 (rudd) and Vimba vimba LINNAEUS, 1758 exist in the creeks of Thracia Species except roach do not have any economical value.

AMPHIBIANS

Urodela

Triturus cristatus LAURENTI, 1768 (tuberculated salamander)

It is a specie that is seen widely along the coasts of Northwest Anatolia, Aegean Region and Black Sea Region. They prefer stagnant deeper water bodies with plants. Water at low altitudes can evaporate temporarily. Breeding period is generally between December and April.

Observation frequency

: High in convenient biotopes

Risk category

: LR (nt)

Triturus vulgaris LINNAEUS, 1758 (small slamander)

Generally they survive on grassy plains, but they live in stagnant and seldomly flowing waters during their breeding period. They are dependent on water only during their breeding period (generally December-June months). A female individual leaves 100-350 eggs in a year.

Observation frequency

: High in convenient biotopes

Risk category

: LR (nt)

Anura

Bombina bombina LINNAEUS, 1761 (frohwith pachesof red color)

They inhabit water pounds at low altitudes. They are also encountered in crop fields in rainy seasons. They are widespread in Northwest Anatolia. During the breeding period, female individual leaves eggs several times. Egg number left each time is about 80-100.

Observation frequency

: Relatively high in convenient biotopes

Risk category

: LR (nt)

Pelobates syriacus BOETTGER, 1889 (earth toad)

Mostly they live in soil, especially in the crop fields. They are dependent on water for breeding, and are widespread all over Türkiye. During their breeding period, they specially prefer small ponds, a female individual leaves 1,200-2,250 eggs.

Observation frequency

: High

Risk category

: LR (lc)

Bufo bufo LINNAEUS, 1758 (toad)

It is a terrestrial specie except the breeding period. They live under the stones, in soil and at similar places. It is probable to see them on cultivated fields, and are prevalent in many regions of Türkiye. They go to the small ponds once a year for breeding. Egg number laid by a female individual is around 5,000-7,000.

Observation frequency

: Relatively high

Risk category

: LR (nt)

Bufo viridis LAURENTI, 1768 (night toad)

They live under the stones, in the holes and at similar places. They are dependent on water only during breeding period, and prevalent in almost all regions of Türkiye. They go to the small ponds once a year for breeding. A female individual leaves 10-12 thousands eggs in a year.

Observation frequency

: High

Risk category

: LR (lc)

Hyla arborea LINNAEUS, 1758 (tree frog)

Generally they survive on the leaves of the trees, and they are dependent on water only during their breeding period. They are prevalent in almost all regions of Türkiye. They prefer stagnant and bright deeper water bodies with plants for breeding. A female individual leaves 800-1,000 eggs at once.

Observation frequency

: High

Risk category

: LR (lc) -

Rana ridibunda PALLAS, 1771 (frog of the plain)

It is a widespread specie in Türkiye. They are generally dependent on water during their breeding period. A female individual leaves 5,000-10,000 eggs at once.

Observation frequency

: Very high

Risk category

: LR (lc)

REPTILES

Turtles

Emys orbicularis LINNAEUS, 1758 (dotted turtle)

It is a prevalent specie in Türkiye. They survive in either stagnant or flowing waters. They are also seen at the seasides. During the breeding period, female individual digs up a ditch and leaves there 3-12 eggs.

Mauremys caspica GMELIN, 1774 (stripped turtle)

Its subspecie M.c. rivulata (VLENCIENNES, 1833) exists in West and Southeast Anatolia. They survive in freshwaters like lakes, rivers and ponds. During the breeding period, female individual leaves 9-12 eggs.

Testuda graeca LINNAEUS, 1758 (common tortoise)

Its subspecie *T.g. ibera* PALAS, 1814 is a prevalent specie in Türkiye. Generally they inhabit sandy, stony or dry lands. During the breeding period, female individual digs up ditches and leaves 6-12 eggs into each.

Testuda hermanni GMELIN, 1789 (Thracian tortoise)

This specie is recorded in Thracia (subspecie hermanni). Its ecological and biological properties are similar to the former specie.

Lizards

Cyrtodactylus kotschyi STEINDACHNER, 1870 (slender-fingered lizard)

It is a prevalent specie in Anatolia and its subspecie C.k. danilewskii is widespread in Thracia and North Anatolia. Generally they inhabit underneath the stones and cavities in rocks in the fields with poor vegetation. Sometimes they enter the houses. Their breeding biology is not well-known.

Hemidactylus turcicus LINNAEUS, 1758 (lizard with dilated fingers)

They are observed along the coastal areas of Anatolia. They inhabit among the stones, in the cavities of rocks and at the houses. Generally female individual leaves two eggs in the breeding period.

Anguis fragilis LINNAEUS, 1758 (snake lizard)

The specie living in various biotopes is widespread in the northern parts of Türkiye. Female individual gives birth to 5-26 youngs.

Ophisaurus apodus PALLAS, 1775 (furrowed lizard)

It is a widespread specie in Türkiye, and is seen at various biotopes. They inhabit bushes and rocky mountain slopes. Female leaves 10 eggs in a year.

Lacerta muralis LAURENTI, 1768 (wall lizard)

They are seen in biotopes like walls, stony or open areas in northwest of Türkiye. The subspecie *muralis* is recorded in Thracia. Female indivudual leaves 2-8 eggs into the ditches several times between May-June months.

Lacerta trilineata BEDRIAGE, 1886 (large green lizard)

They inhabit the biotopes like bushes, rocks, stony areas, crop fields, fruit gardens and walls. They breed at the end of May and beginning of June. Female individual leaves 7-18 eggs.

Lacerta praticola EVERSMANN, 1834 (meadow lizard)

Generally they survive in forests ve meadows in steppes along the creeks. Its subspecie pontica recorded in Thracia is widespread in Türkiye. During the breeding period, female individual leaves 4-6 eggs.

Lacerta tourica PALLAS, 1813 (Thracian lizard)

It is widespread in Thracia and Black Sea Regions, usually in forests and open areas. The subspecie taurica exists in Türkiye. Female individual leaves 3 eggs at once.

Lacerta viridis LAURENTI, 1768 (green lizard)

The specie spreading in Thracia and Northwest Anatolia is mainly observed in forests and open areas. The subspecie *meridionalis* CYREN, 1938 exist in Türkiye. Female individual leaves 10 eggs during breeding period.

Ophisops elegans MENETRIES, 1832 (field lizard)

They live in open areas, stony and soil grounds. Its subspecie O.e. ehrenbergi WIEGMANN, 1835 is widespread in Aegean and Mediterranean regions. Breeding period is between April-May months and female individual leaves approximately 2-6 eggs.

Ablepharus kitaibeli BIBRON et BORY, 1833 (slender lizard)

It has A.k. kitaibelli BIBSON and BORY, 1833 subspecie in the West and South Anatolia. They survive in a various habitats. During the breeding period, female leaves 2-5 eggs.

As well as these species, the specie Mabuya aurata LINNAEUS, 1758 (stout lizard) is probable to exist in SA and its vicinity.

Snakes

Coluber caspius GMELIN, 1789 (caspian snake)

It is a widespread specie in Türkiye. They inhabit agricultural fields, stony banks of streams, swamps and similar areas. They breed at the end of the spring and at the beginning of the summer. Female individual leaves approximately 7-11 eggs in a year.

Coronella austriaca LAURENTI, 1768 (Austrian snake)

It is a prevalent specie in Anatolia and generally they inhabit meadows and forest biotopes. Female individual gives birth to 4-13 youngs each time during its breeding period (usually in spring).

Natrix natrix LINNAEUS, 1758 (semiaquatic snake)

In Anatolia, its only prevalent subspecie is N.n. persa PALLAS, 1814. They inhabit stony surfaces and meadows close to water sources. They breed in-between May-August months and female individual leaves 6-13 eggs at once.

Thyplops vermicularis MERREM, 1822 (blind snake)

It is a prevalent specie in Anatolia. They inhabit underneath the stones and wet soil. There is not enough knowledge on breeding biology.

In addition to these species, Natrix tessellata LAURENTI, 1768 (aquatic snake), Coluber rubriceps (VENZMER, 1919) (Taurus snake), Elaphe situla (LINNAEUS, 1758) (house snake), Telescopus fallax (FLEISCHMAN, 1831) (cat-eyed snake) and Vipera ammodytes (LINNAEUS, 1758) (horned viper) are highly to exist in similar biotopes in SA and its vicinity, according to the literature.

MAMMALS

Crocidura suaveolens

It is a specie spreading especially in the West Anatolia. They survive around settlement areas and gardens. Female individual gives birth to 5-9 youngs each time, which occurs 2-3 times a year.

Rattus rattus (black rat)

It is the specie recorded in every region of Türkiye. They live in houses and tunnels they digged beneath the soil surface. Female individual gives birth to 6-12 youngs each time of birth seasons changing between 3-6 in a year.

Rattus norvegicus (brown rat)

The ecology and breeding biology is similar to the former specie.

Apodemus mystacinus

It is the specie existing in every region of Türkiye. They inhabit the holes of rocks and activate during the night time. Female individual gives birth to 2-4 youngs in a year

Erinaceus concolor drozdovskii (hedgehog)

They live in gardens and settlement areas, and areas full of trees. Their breeding occurs twice a year. Female individual gives birth to 3-8 youngs each time.

Mus musculus (house mouse)

It is the specie which exists in every region of Türkiye. They inhabit the houses and breed all year long. Female individual gives birth to 6-13 each time.

Mustella nivalis (poppy)

They are recorded in every region of Türkiye. They survive in different areas such as agricultural fields, holes and cavities in natural environment and buildings, bushes and the

galleries of other rodents. They pair in January-February months. Female individual gives birth to 4-8 youngs in April-May months.

Rhinolophus hipposideros

This specie is encountered frequently in all regions of Türkiye. Generally, they live in the settlement areas and areas full of trees. The pairing season is the spring and fall. Female individual gives birth to 1-2 youngs.

Spalax leucodon (blind rat)

They are recorded all over Türkiye. This specie which is very similar to the mole. They inhabit agricultural area with mushy soils, steppe, and gardens. They live in the galleries that they digged. They breed in March-April months. Female individual gives birth to 1-4 youngs each time.

Talpa europaea (mole)

It is a widespread specie in Anatolia. They inhabit the galleries that they digged in the soil. They breed in May-June months. Female individual gives birth to 3-6 youngs in a year.

Additionally, mammals like Canis vulpes (=Vulpes vulpes) (red fox), Lepus europaeus (wild rabbit), Mertes mertes (tree marten), Meles meles (badger) are encountered seldomly in the SA.

APPENDIX 5 BIRD INVENTORY

그는 그는 사람들은 사람들은 사람들이 가장 하는 사람들은 가지 않는데 사람들이 되었다.	
그는 이 그는 사람들은 그리고 있는 아무리는 것이 아무리를 가는 것이 되었다. 그런 사람들은 그리는 사람들은 그리는 것이 없는 것이다.	
그는 그는 그는 이 얼마를 하는 것이 없는 것이 되는 것이 되는 것이 되는 것이 되는 것이 없는 것이 없는 것이다.	
그 어느 그 이렇게 아이를 내내 살을 살아 보다 한 기를 가는 사람이 된 것으로 하게 하는데 이렇게 되는	
그는 그는 그는 그들은 그는 그들은 그들은 사람이 가장 얼마를 하는 것이 되었다. 그 사람들은 소리를 하는 것은	
,一个一个一个一个大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大	
그는 그는 그들은 마음이 사용되는 그는 상 등 전화되는 일을 제 불통하는 학생들은 학생이 사용되었다. 하나는	
그는 그	
그는 그는 그는 사람들은 그는 그림은 경험을 잃었다. 얼굴 특별 끝에 되는 것을 하게 하고 있는 음악 모	
으로 보는 사람들이 되었다. 그는 사람들은 마음 마음을 하고 있다면 하는 것을 받았다. 그런 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다. 	
는 사람들은 사람들이 되었다. 그런 사람들이 사용하는 사람들이 사용하는 것이 되었다. 그런 사람들이 되었다. 	
그는 그는 그는 그는 그리즘에 그리고 한 동안 그는 그리고 있었다. 그런 사람들은 사람들은 동안 그를 가장 모습니다. 그는 그렇게 되는 해가 되는 데 그리고 있다.	
으로 보고 있는 것이 되었다. 그는 그는 그는 그는 그는 사람들은 그는 사람들이 그는 사람들이 되는 것을 가게 되지 않는데 가능하는 것이다. 	
그는 그는 그는 이 그는 것이 되는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는데	
그는 그는 사람들은 사람이 있는 그는 사람들이 되었다. 그런 그리고 하는 사람들이 되었다면 하는 것이 없는 사람들이 없는 사람들이 없는 사람들이 되었다.	
으로 보고 있다. 그런 사람들이 있는 사람들은 보고 한 사람들이 되었다. 그렇게 한 바람이 되어 들어 보고 있다. 그런 그런 사람들이 되었다. 그런 사람들이 모든 사람들이 되었다. 	
그는 그는 그는 그는 그는 그는 그들이 모든 이후 가는 사람들은 경험을 가지 않는 것을 들었다.	
그는 그는 그는 그는 그는 이 사이를 가는 사람들이 되었다. 그리는 사람들은 사람들이 되었다. 그는 그들은 그들은 그를 다 되었다.	
그는 사람들이 그는 그는 사람들은 사람들이 가지 않는데 하고를 하고 만큼 바람이 하는 전에 가고 있다.	
그는 그들이 하고 있는 이번 이번 등을 하고 있었다. 그렇게 하는 사람들은 사람들이 되었다.	
는 사람들은 사람들이 되었다. 그는 것이 되었다. 그는 것이 되었다면 하는 사람들은 사람들이 되었다. 그런 사람들이 되었다. 그는 것이 함께 되었다. 그는 것이 함께 되었다. 그는 것이 되었다. 	
그는 그는 그는 그는 그는 그는 그는 사람들은 사람들이 가지 않는 것이 되었다. 그는 그들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람	
그는 그는 그는 사람들이 얼마나 사람들이 얼마나 하는 것이 되었다. 그들은 사람들이 얼마나 나는 사람들이 되었다.	
그는 그는 그는 그는 그는 그는 그리는 살이 그를 막힌 한 말을 수 있다. 그는 그를 다 하는 것이 없는 것이었다면 없는 것이 없는 것이 없는 것이 없는 것이었다면 없는 것이 없는 것이 없는 것이 없는 것이었다면 없는데 없어요. 없는 것이었다면 없는 것이었다면 없는 것이었다면 없는데 없어요. 없어요. 없어요. 없어요. 없어요. 없어요. 없어요. 없어요.	
그는 그는 그는 그 아이들은 그는 내일을 그 있는데 사람이 있다. 사람은 대중이 불통하는데 하는데 하는데 하는데 나는데	
그는 사람들은 그는 사람들이 아니는 사람들이 되었다. 그는 사람들이 되었다면 되었다. 그는 사람들이 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면	
그는 그는 그 전에 가는 모든 그리를 하는 것이 없는 그를 하는 것을 하셨다. 그리고 있다고 있다고 있다.	
and the second of the court of the control of the control of the control of the second	

Species	Risk Categories	Location	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
GAVIDAE						
Gavia stellata (red-throated direr) (+)	ВЗ	M	Sea and lakes	•	•	Ma, Bl. A, E
Gavia arctica (black-throated direr) (+)	A3	W, I	Sea and lakes	•	1	Ma, Bl, A, M, E
PODICIPEDIDAE						
Podiceps cristatus (great krested grabe) (+)	A2	ы	Reeds and sides of water bodies	Reeds	5-6	AR
Podiceps nigricollis (black- necked grabe) (+)	A 2	႕	Inland water bodies, estuaries	Floating nests composed of plant pieces (?)	9-1	Ma, Bl, A, M, C, E
Podiceps ruficollis (little grabe)	A3	<u> </u>	Lakes, ponds and estuaries	Floating nests composed of plant pieces (?)	9-+	Ma, Bl, A, M, C, E
PHALACROCORACIDAE						
Phalacrocorax carbo (cormorant) (+)	Z.	٦	Banks of rivers, lakes and seaside	Stones and trees	3-5	-
Phalacorocorax pygmeus (bittern) (+)	ફ	า	Swamps and sides of water bodies	Bushes	3-5	Ma, Bl. A, M, C. E
ARDEIDAE						
. Ardea cinerea (grey heron) (+)	£A.	ā	Banks of rivers, lakes, seaside and wetlands	Rocks and trees (?)	5-+	Ma, Bl, A, M, C, E
Botaurus sillaris (little egred)	A2	r	Reeds	Trees	5.6	Ma, Bl, A, M, C, E
Egretta garzetta (pigmi cormorant)	A2	ı, i	Swamps and reeds	Trees	3-5	Ma, Bl. A, M, C, E
CICONIDAE						
Ciconia ciconia (white stork) (+)	A3	고 -	Areas rarely full of trees, residential areas, marsh lands and swamps	Stacks and poles	3-5 (?)	AR
Ciconia nigra (black stork)	A2	W. I	Forest areas, swamps and waterlines	Trees (?)	3-5	AR.
ANATIDAE					_	
Anser onser (greulali goose) (+)	A2	,_l	Reeds	Reeds	6-1	BI A
Anser fabalis (bean goose) (+)	B2	≯	Reeds	•	1	Ma. Bl. M. C

chart) (+) A4 chart) (+) A4 +) A4 coup) (+) B3 coup) (+) B3 coup) (+) B3 coup) (+) A2 coup) (+) A2 coup) (+) A4	Swamps and sides of water bodies Swamps and sides of water bodies Stagnant and slowly flowing water bodies Swamps and fields Sea and water bodies Banks of rivers and seaside Banks of rivers and lakes Areas full of teeds and	Ground, trees and rock Ground, trees and rock Ground, trees and rock cavities	of Eggs	Ma, BI, A, M, C, E
chart) (+) A4 chart) (+) A4 +) A4 coup) (+) B3 coup) (+) B3 coup) (+) A2 cs swan) (?) A12 cs swan) (?) A12 cs swan) (?) A4 cs (+) A4 igen) (+) A4 igen) (+) A4 ii) (+) A4		Ground, trees and rock cavities Ground, trees and rock cavities	, , , ,	Ma, BI, A, M, C, E
chart) (+) A4 +) A4 +) A4 coup) (+) B3 A2 c swan) (?) A12 cs (+) A2 cs (+) A2 cs (mallard) A4 os (mallard) A4 igen) (+) A4 i) (+) A4		Ground, trees and rock cavities Ground, trees and rock cavities		
+) A4 coup) (+) B3 A2 ce swan) (7) A12 (shelduck) A2 ce (+) A2 os (mallard) A4 igen) (+) A4 i) (+) A4		Ground, trees and rock cavities Ground, trees and rock cavities		Ma, Bi, A, M, C, E
coup) (+) B3 A2 A2 Ce swan) (7) A12 (shelduck) A2 Ce (+) A4 Os (mallard) A4 (+) A4 (+) A4 (10) (+) A4		Ground, trees and rock cavities Ground, trees and rock cavities	•	Ma, Bl, A, M. C, E
A2 (c swan) (?) (shelduck) (c +) (c +) (c +) (c +) (c +) (d +) (d +) (e +) (e +) (f		Ground, trees and rock cavities Ground, trees and rock cavities		Ma. A
(sheiduck) A12 (sheiduck) A2 (e (+) A2 os (mallard) A4 igen) (+) A4 il) (+) A4		Ground, trees and rock cavities Ground, trees and rock cavities	•	Ma. Bl. A. M. C. E
(shelduck) A2 e (+) A2 os (mallard) A4 igen) (+) A4 i) (+) A4 ii) (+) A4		Ground, trees and rock cavities	4-7	Ma, Bl, A, M, C
se (+) A2 os (mallard) A4 igen) (+) A4) (+) A4 ii) (+) A4			8-12	Ma, Bl, A, M, C, E
os (mallard) A4 igen) (+) A4) (+) A4 ii) (+) A4	_	(3)	8-13	Ma. Bl. A. M. C. E
igen) (+) A4 i) (+) A4 ii) (+) A4		Ground, trees and rock	7-11	AR
igen) (+) A4) (+) A4 ii) (+) A4	stagnant water bodies, open areas in winter and seasides	cavities		
)(+) A4 ii)(+) A4	Lakes and swamps	•		Ma. Bl. A. M. C. E
il) (+) A4	Plain and mountain area, pond sides	Cavities of trees and rocks	8-10	Ma, Bl, A, M, C, E
	Marsh lands near sea	•	•	AR
as sirepera (+)	Stagnant water bodies, swamps and lakes	ω	8-12	Ma, Bl, A, M, E
Anas querquedula (garganey) A3 1, L	Plains and hilly fields, stagmant water bodies	Ground, cavities of trees and rocks	8-11	AR
Anas clypeata (shoveler) (+) A3 W	Seaside, bays and islands; lakes and nivers	Ground, cavities of trees and rocks	8-12	Ma, Bl, A, M, C, E
Mergus serrator (red-breasted B2 W merganser)	Seaside, banks of rivers and lakes	,	•	Ma. Bl. A, M. C. E
Mergus albellus (+) B2 W	Seaside, banks of rivers and lakes	¢	•	Ma, Bl, A, M, E
ACCIPITRIDAE				
Heliaetus albicilla (white- A2 L tailled eagle) (+)	Seas, forest area near lake and bank of rivers	Trees and rocks	1-3	AR

Species	Risk	Location	Biotope Properties	Nest Place	Number	Spread in Turkey
	Categories			-	of Eggs	
.4ccipiter gentilis (goshawk) (+)	FA	, - 1	Forests on plain and hilly areas	Trees and rocks	2-5	Ma, Bl, A, M, C, E
Accipiter nisus (+)	A4	.	Pine forests, parks and gardens	ω)	4-6	AR
Circus aeruginosus (marsh barner)	A3	Ţ	Areas full of reeds, marsh lands and race fields	Trees and rocks	3~6	Ma, BI, A, M, C. E
Circus evaneus (han harrier)	Ą	W	Marsh lands, fields, plains and hilly areas	•		Ma, Bi, A, M, C, E
Buteo rufinus (lang-legged buzzard)	A2	ា	Plains and hilly areas without forest	Trees and rocks	3~4	AR
Buteo buteo (buzzard)	A3	W, T	Forests, agricultural fields and meadows	•	•	AR
.4quila heliaca (impenal cagle)	A2	7	Plains and vards	(2)	1-3	AR
Aquial rapax (tawni eagle)	A12	,,1	Plains with bushes	(2)	2	Ma. Bl. C. E. SE
FALCONIDAE						
Falco tinnunculus (kestrel) (+)	A4	.1	Open areas, forests, cities	Trees and rocks	1- 6	AR
Falco naumannii (lesser kestrel)	. A3	H	Plains, high mountains and derelict houses	Trees and rocks	3-6	AR
Falco peregrinus (peregnne falcen) (+)	¥2	ы	Open areas and forests	Trees and rocks	3.4	AR
Falco eleonorae (eleonora's falcon) (?)	A12	-	Rocky and open seasides	Trees and rocks	3.4	Ma, Bl, A, M
Falco subbuteo (hobby)	A3	I	Rare forests and forest borders	Trees and rocks	2-4	AR
Falco vesperiinus (red-footed falcon)	A2	w, T	Open fields and woodlands	•	•	
Falco columbarius (merlin) PHASIANTDAE	B2	W. T	Marsh lands and hills	•	•	Ma. Bl. A. M. C. E
Alectoris groeca (partridge) (?)	A2		Agricultural fields, incadows and rocky areas	Ground surface or bushes	8-16	Ma, Bl, A
Coturnix coturnix (quail)	44	1	Crop fields and meadows	Ground surface or bushes	4-7	AR
Haematopus ostralegus (ovstercalcher) (?)	A3	7	Rocky sea sides	Rocks	2-1	M2. Bl. A. M. C. E

Species	Risk	Location	Biotope Properties	Nest Place	Number	Spread in Turkey
	Categories				of Eggs	
RALLIDAE						-
Rallus aquaticus (water rail)	A4	L, W	Swamps and sides of water bodies	© .	7-10	Ma, Bl, A, M, C, E
Gallinula chloropust (morhen)	A4	่า	Sides of stagnant water bodies	(3)	5-11	Ma, Bl, A, M, E
Fulica atra (coot) (+)	•	1	Water bodies with reeds	Reeds	2-10	Ma, Bl. A, M, E
RECURVIROSTRIDAE	_				:	
Himantopus himantopus (black-white stilt) (?)	A3	1	Banks of sea, lakes, rivers and swamps	Rocks	€	Ma, Bl, A, M, C, E
Recurvirostris avosetta (avocet)	A.4	ų	Swamps at seaside	€	4	Ma, BI. A. M. C. E
CHARADRIDA						
Charadrius dubius (little ringed plover)	A2		Sandy-gravel river and banks of lakes	Ground or rocks (?)	च	AR
Charadrius hiaticula (ringed plover)	B2	w, T	Seaside	1	4	Ma, Bl, A, M, C, E
Charadrius alexandrinus (Rentish plover)	75	£ -4	Coasts of sea, salty lakes and swamps	•	د	Ma, Bl, A, M, C, E
Pluvialis apricaria (golden	B2	T, W	Fields and muddy coasts	1	•	Ma, Bl, A, M, C
Pluvialis squatarola (grey	Z4	T, W	Coasts (?)			M2, B1, A, M, C, E
Arenaria interpres (turnitone)	B3	£-4	Rocky and gravel coasts	•	2-3	Ma, BL.A. M. C. E
Vanellus vanellus (kapwing)	A4	ľ	Fields and swamps	Reeds	77	Ma. Bl. A. M. C. E
SCOLOPACIDAE			- Particle			
Calidris minuta (little stint)	B2	'n	Creeks, rivers and swamps	Wet grasses	-†	Ma. Bl. A. M. C. E
Calidris ferruginea (curlew sandpiper)	B2	W, T	Sea, banks of rivers and lakes	•	`1	Ma, Bl, A, M, C, E
Calidris alba (sanerling) (+)	B3	٢	Gravel and muddy coasts		•	Ma. Bl. A. M. C. E
Tringa totanus (redsbank)	A3	1	Marsh lands and sides of lakes	Grassy bushes	~ +	AR
Tringol nebularia (greensbank)	B3	L(?), T	Muddy coasts and banks of lakes	Grasses near water	7	AR

Species	Risk Categories	Location	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
.//umenius arquaia (selender- billed curlew)	B3	L(?), W	Coasts, low plains, swamps	Humid meadows (?)	寸	Ma, Bl, A, M, C, E
Scolopar rusticola (woodcack) (+)	A3	≱	Forests and bushes			Ma, Bl. A, M. C. E
LARIDAE						
Larus melanocephalus (mediterranean gull) (+)	¥4	႕	Swamps, seaside and sea	Ground surface or within bushes	2-5	Ma, Bl, A, M, C
Larus ridibundus (balck-heated gull) (+)	B3	% 'ત	Generally freshwaters, rarerly seaside	Ground surface or within bushes	1-3	AR
Larus genei (slender-billed gull) (+)	B3	∌		•	1	Ma, Bl, A, M, C, E
Larus argentatus (hering gull) (+)	P	ļ	Rocky and sandy seaside	Ground surface or bushes	2-3	Ma, Bl, A. M, C, E
STERNIDAE						
Chlidanias niger (black tern) (+)	A2	ĭ, T	Lakes and swamps, seaside	Plants floating on water	3	Ma. Bl, A. C. E
Chlidonias leucopierus (white- ninged black tern)	S.	T 1	Stagnant water bodies and swamps	•	7 .	Ma, Bl, A, M, C. E
Chiidonias hybrida (whiskesed tem)	7	i,	Swamps and wet meadows	•	: 7:	Ma, A, M, C, E
Gelochelidon nilotica (guil- billed tem) (+)	A2	I	Seaside, banks of rivers and lakes	3	1-3	AR
Hydropragne caspia (caspian tem) (?)	A2	1	Seaside, banks of rivers and lakes	(¿)	2-3	Ma. A. M. C. E
Sterna sandvicensis (sandwich tern) (?)	¥3	(¿)T	Sea and coasts	(7)	1.2	Ma, Bl, A, M. C
Sterna hisundo (common tern) (+)	†Y	1	Seaside	(A).	2-3	AR
Sterna albifrons (little tern)	44		Gravel coasts of sea, lakes and rivers	(¿)	2-3	AR
COLUMBIDAE						
Calumba livia (domestic pigeon) (+)	4	7	Coasts	(2)	2	AR

Species	Risk	Location	Biotope Properties	Nest Place	Number	Spread in Turkey
	Categories				of Eggs	
Columba oenas (stock dove) (+)	A2	ľ	Forests and rocky areas	(2)	2	Ma. BI. A. M. C. E
Columba palumbus (wood pigeon) (+)	A4	<u>, 1</u>	Hilly regions, trees and cities	ω	7	AR
Streptopelia decaocto (collared dove) (+)	•	7	Residential areas, areas with trees	Bushes and trees	1	AR
Streptopelia turtur (turtle dove)	A2	1	Forests near to agricultural and residential areas	Trees	7	AR
Streptopelia senagileasiu (+)	A2	7	Parks and gardens	(2)	6	Ma, Bl, E. SE
CUCULIDAE						
Cuculus Canorus (cuckoo)	•	Н	Forests, bushes and gardens	Nests of other birds	91-9	AR
Athena noctua (little owl) (+)	A3	Ы	Fields, vinyard, gardens and rocks	Cavities of trees	3-5	AR
Otus scops (scops owt) (+)	A3	₽	Areas covered with trees and fruit gardens	Trees	4 60	AR
Strix aluco (tawni owl) (+)	A12	Ţ	Forests, parks and gardens	Cavities of trees	2-6	AR
TYTONDAE						
Tyro alba (barn ow!) (?)	\$	<u>.</u>	Areas rarerly full of trees, erop fields and derelict houses	(2)	7>	Ma, A, M, C, E
CAPRIMULGIDAE						
Caprimulgus europeus (nightjar)	A2	1	Banks of forests, dry and sandy areas	Ground	2	Ma, Bl. A, M. C, E
APODIDAE						
Apus apus (swift)	A+	Ĭ	Residential areas, rocky areas and areas with trees	Fissures and cracks of buildings and cavities	2-3	AR
Apus melba (alpine swith)	¥¥	.	Rocky, slopes	Rocks	2-3	AR
ALCEDINIDAE						
Alcedo atthis (kingfisher)	A12	1	River and lake coasts	(2)	6-7	AR
MEROPIDAE						
Merops apiaster (becather) (+)	†∀.		Areas rarely full of trees and open areas	ω)	5-7	₹¥

Species	Risk Categories	Location	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
CORACIDAE						
Coracias garrulus (koller)	, A2	I	Open areas rarely full of trees	Ditches in ground	3-7	AR
UPUPIDAE						
Upupo epops (Hoopoe) (+)	Z	I	Forests, vineyard and gardens	Cavities	5-8	AR
PICIDAE						
Diyocopus martius	A3	ᅿ	Open areas and areas	Trees	3-5	Ma, Bl. C
Dendrocopus syriacus (syrian woodpecker) (+)	A3	្ឋ	Fruit gardens	Cavities of trees	5-7	AR
ALAUDIDAE						
Melanocorypha calandra (calandra lark) (+)	•	ᅱ	Fields	Ground surface	4-6	Ma, A, M, C, E, SE
Calandrella brachydactyla (short-toed lark)	A3	} -€	Dry and sandy fields	•	(2)	AR
Galerida cristata (crested lark) (+)	,	ப	Steppes and stony areas.	(2)	4.5	AR
Lullula arbored (wood lark)	,	1	Mountaneous regions	(2)	4-5	AR
Eremophila alpestris (shore lark) (+)	S	ᆸ	Open areas and crop fields	· (¿)	5	AR
-11aunda arvensis (sky-lark) (+)		Ţ	Open areas and crop fields	Ground surface	3-6	Ma. Bl. A. C. M. E
HIRUNDINIDAE						
Hirundo rustico (swallow)	•	1	Residential areas	Muddy carrities	4-5	AR
Riparia riparia (sand manin)	•	, ,,	Banks of rivers and lakes	Soil	2-6	AR
Prvonoprogne rupestris (crak martin)	•		Rocky areas	Rocks	†- 5	AR
Delichon urbica (house martin) (+)	YY.	I	Residential areas and rocks	Muddy cavities	4-5	AR
MOTACILLIDAE						
Anthus compestris (tawny pigit) (+)	A3	Ľ. 1	Sandy and gravel areas, rare and dry bushes	Dry bushes on the ground	9- -1	AR

Species	Risk Categories	Location	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
Anthus trivralis (tree pigit) (+)	1	l, T	Forests and bushes, open areas	Small bushes and grasses on the ground	4-6	AR
Anthus pratensis (meadow pipit)	•	М	Wet meadows and swamps	•	•	Ma, Bl, A, C. M, E
Anthus spinoletta (waterpiped)	A4	L(?), W	Meadows and rocky coasts	Bushes and rocks (?)	9-5	AR
Motacilla flava (black-headed wagtail) (+)	ı	I	Wetlands, meadows, banks of lakes and pools	Rushes	5-6	Ma, Bl, A, C, M, E
Motacilla cinerea (grey wagtail)	A4	H	Wetlands	Rocks, walls and holes in ground	4-6	AR
Motacilla alba (pied wagtail)	A4	ы	Open areas	(¿)	5-6	A.R.
TROGLODYTIDAE						
Trogladytes trogladytes (wren) (?)	ફ	ы	Forests and bushes	Near to the ground	£)	Ma, Bl, A, M, C, E
PRUNELLIDAE						
Prunella modularis (+)	,	Ţ	Forests, parks and gardens	Trees and bushes (?)	4-5	AR
Prunella collaris (+)	•	า	Mountaneous areas and . plains	Trees and bushes(?)	4-5	Ma, Bl, A, M, E
TURDIDAE						
Erithacus rubecula (robin) (+)	P	٦	Forests, plains, parks and gardens	Trees, cavities and wall cavities	9-5	AR
Luscinia luscinia (thrush nigtingale)	•	I, T	Willows and bushes, humid areas	ω)	4-6	Ma, Bl, A, C
Luscinia megarynches (nigtingale) (+)	-	I	Forests, lands covered with heath and parks	Trees	3-6	AR
Phoenicurus phoenicurus (redstart) (+)	_	7	Gardens and parks	ω)	5-8	AR
Phoenicurus ochruros (black redstart) (+)		L, I	Rocky slopes, houses and dereliet houses	(¿)	9-5	AR
Saxicola rubetra (whinchat)	1	7	Areas rarely full of trees, wet places, meadows	Bushes	2-t-	AR
Saxicola torquata (stonechat)	1	1	Stony and dry hills, bushes, sandy areas	Bushes	3-7	AR

Species	Risk Categories	Location	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
Oenanthe oenanthe (wheather)	A3	, (Open and dry areas, fields and meadows	(2)	2-5	AR
Oeananthe hispanica (black cared wheather) (?)		 4	Open lands covered with heath and regions full of	ω	4-5	AR
Turdus merula (blackbird) (+)	•	H	Forests, plains, parks and gardens	Trees and bushes	4-6	AR
Turdus pilaris (fieldfare) (+)		≽	Forests, fields and humid meadows	1	•	AR
Turdus philomelos (song thush) (+)	,		Forests, parks and gardens, residential areas	Trees and bushes (?)	¥	Ma, Bl, A, M, C, E
Turdus viscivorus (mistle toutse) (+)	•	i i	Forests, parks and gardens	Trees and bushes	4-5	AR
SYLVIDAE						
Cettia cetti (cett's warbler)	tV	7	Banks of water with rushes and reed	Rushes and reeds (?)	9	AR
Cisticola juncidis (fan-tailed warbler)	J	<u>, .</u>]	Rushy and reedy swamps, meadow and fields	(2)	4-5	Ma, A, M, C, E
Lacustella fuviatilist river warbler)	6	н	Lands covered with heath and fields	(2)	÷-5	Ma, Bl, A, C, E
Acrocephalus schoenokaenus (sedge warbler) (?)	•	7	Rush and reeds, swamps, banks of lakes and bushes	· (¿)	φ-	Ma, Bl, A, M, C. E
Acrocephalus palustris (marshy warbler) (+)	3	F	Swamps, bushes and reeds	Reeds	9-+	AR
Acrocephalus scirpaceus (read warbler)	•	Н	Rushes, banks of water bodies and gardens	Willows and rushes	4.5	AR
.scrocephalus arundinaceus (great read warbler) (?)	•	-	Swamp and rushes, parks and gardens	Rushes	3-6	Ma, A. M, C, E
Hippolais icterina (loterina warbler)	Ą	н	Parks and gardens, forests and banks of roads	Bushes and trees	9-+	AR
Hippolais pallida (olivaceous warbler) (+)	¢	} -	Parks and gardens. open areas, forests and bushes	(¿)	÷.	AR

	Categories	הסכמווסוו	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
Sylvia melanocephala (sardinian warbler) (+)	•	7	Forests and bushes, parks and gardens	3	4-7	Ma, Bl, A, M, C
Sylvia curruca (lesser white troat) (+)	•	I	Bushes, banks of forests, gardens	Bushes	4-6	æ
Sylvia communis (white throat) (+)	•	Ĭ	Forests and bushes, parks and gardens	Ground	4	AR
Sylvia borin (garden warbler) (+)		I	Forests and bushes, parks and gardens	Bushes	5-6	AR
Svivia atricapilla (blackcap) (+)	•	I	Forests, parks and gardens	Trees and bushes (?)	9-1	Ma. Bl. A. M. C. E
Phylloscopus trochilus (willow, warbler) (?)	•	I	Forests, parks and gardens, banks of water	ω	5-7	
Regulus regulus (gold crest) (+) MUSCICAPIDAE	•	7	Forests, parks and gardens	Trees and bushes	8-11	Ma. Bl, A, M, C, E
Muscicapa striata (spotted flycatcher)	ı	I	Forests and bushes, residential areas	(2)	4 &-4	AR
Ficedula hypoleuco (pied flycatcher)	•	н	Forests, parks and gardens	ω	5-7	Ma, Bl, A, C, M, SE
Poming high in the		,		÷, ,	,	
ranurus otarmicus (ocarica iit)	4	1	Vineyards, gardens and marshlands	Reeds (?)	S-7	Ma, Bl, A, M, C, E
PARIDAE						
Parus ater (coal tit) (+)	•	7	Various places	(7)	4-13	Ma, Bl. A. M. C. E
Parus caeruleus (blue tit) (+)	•	1	Forests, park and gardens	(c)	4-12	AR
Parus major (great ut) (+)	•	IJ	Forests, park and gardens	(3)	4-13	AR
Parus lugubris (sompre tit)	A4	.1	Forests	(2)	4-9	AR
SITTIDAE						
Sitta neumaver (rock nuthatch)	•	7	Rocky areas	Cavities of rocks (?)	5-7	AR
Sitto europoeo (nuthatch) (+)	•	-1	Forests, park and gardens	(j)	5-7	AR
KEMIZIDAE						
Remiz pendulinus (pend ne tit)	24	J	Swamps, forests, lakes and banks of rivers	Rushes and willows	2-7	AR
ORIOLIDAE					-	

Species	Risk Categories	Location	Biotope Properties	Nest Place	Number of Eggs	Spread in Turkey
Oriolus oriolus (golden onole)	•	Ĭ	Forests, parks and gardens	(7)	4-5	AR
LANIDAE						
Lanius collurio (red-backed shrike) (+)	•	¥	Open areas, banks of forests, parks and gardens	Slim and green branches (?)	4-7	AR
Lanius minor (Lesser grey shrike)	1	F.	Banks of forests, parks and gardens	Slim and green branches	5-6	AR
Lanius senator (woodchat shrike)	f	-	Banks of forest, areas full of trees and gardens	Slim and green branches	5- 6	Ma, A, M, E, SE
Lanius nubicus (masked shrike)		I	Forest and olive yards	Trees (?)	5-7	AR
CORVIDAE						
Garrulus glandarius (jay)	•	1	Forests, areas full of trees and parks	Trees	5-7	AR
Pica pica (magpie) (+)	1	7	Areas rarely full of trees, bushes, field and fruit gardens, parks	Trees (?)	8-9	AR
Corrus monedula (+)	1	니	Forests, areas full of trees, rocky areas and derelict houses	Rocks, trees cavities 1 and derelict houses	4-7	AR
Corrus frugilegus (raven) (+)	1	<i>ਜ</i>	Open areas and agricultural fields	Trees and bushes	3-5	M2, B1, A, M, C, E
Conus corone (hooded) (+)	•	H	Forests, open areas and agricultural fields	Searl	3-5	AR
Corvus corax (raven) (+)	,	ᅱ	Bushes, husbandry areas	Trees and bushes	3-6	AR
STURNIDAE						1
Sturnus vulgaris (starling) (+)	E	1	Forests and areas full of trees	Cavities and wall cavities	£-+	AR.
Sturnus roseus (pink starling) PASSERIDAE	•	1	Meadows and rocks	(3)	5-7	AR
Passer domesticus (house sparrow) (+)	•	L)	Villages and cities, fields	Roofs of buildings	2-6	AR
Passer hisponiolensis (spanish sparrow) (+)	ı	-1	Bushes, crop fields, vineyards and gardens, open areas	(3)	9-7	AR

Species	Risk	Location	Biotope Properties	Nest Place	Number	Spread in Turkey
	Categories				of Eggs	
FRINGILLIDAE						
Fringilla coelebs (cpaffinch)	•	า	Forests, parks, gardens and plain areas.	Trees	4.7	AR
Serinus serinus (serin) (+)	-	7	Parks and gardens, banks of river	Trees or bushes (?)	3-5	AR
Carduelis chloris (greenfinch) (+)	¥4	1	Forests, parks and gardens, bushes, olive yards, banks of forests	Trees or bushes (?)	4 4	AR
Carduelis carduelis (goldfinch)	A4	7	Gardens, open areas with forests, residential areas	Trees or bushes (?)	94	AR
Carduelis spinus (siskin) (+)	A4	W	Open areas, parks and gardens	•	•	AR
Curduelis cannabina (linnet) (+)	A4	L, W	Bushes and areas full of trees, forest banks of, parks and gardens	Bushes	C=+"	AR .
Loxia curvirostrata (crossbill) EMBERIZIDAE	•	7	Trees and bushes	Trees	3.4	Ma. Bl. A. C. E
Emberiza citrinella (vellow bunting) (+)	•	W	Open areas and gardens	•	-	AR
Emberiza cirlus (cirl bunung) (+)	-	w, T	Bushes, areas full of trees, meadows and graveyards		ı	Ma, BI, A, M, C
Emberiza cia (rock bunting) (+)	•	7	Vineyards, gardens and rocky areas	Ground	4-5	Ma, Bl, A, C, M
Emberiza hortulana (ortolon bunting) (+)	A3	Ĭ	Areas full of trees, forests and agricultural fields	Ground surface	9-+	AR
Emberiza caesia (creuzschmar bunting) (+)	•	Ţ	Naked and stony areas, bushes, banks of lake	Rocky slopes without trees and rocks	5-+	Ma, A, M
Emberiza melanocephala (black-headed bunting) (+)	A3	-	Olive yards, bushes, gardens, hills rarely full of trees, plains	Bush and fences, ground or above ground	4.5	AR
Emberiza calandra (com tunting) (+)		. <u>.</u>	Open areas. field and meadows, dry bushes	Ground surface	5- +	AR

APPENDIX 6 OTHER ARCHAEOLOGICAL SITES WITHIN THE VICINITY OF THE PROJECT AREA

그는 그는 그는 사람들은 회사 회사에 가는 가는 사람들은 이 점속 하셨다면 다시다. 중심하는 것	
	-
	:
그는 그는 그는 그는 아이를 하는 것이다. 그렇게 하는 그를 가는 것이 하는 것이 되었다.	
그는 그는 그 사람들이 있는 밤새 가능하는데 그 아이지 아름답답 때문 이 그를 가고 그 가능하는	, .
그 하는 사람들이 하면 그들은 항상 수 없는데 보다는 사람들이 가지를 모양하는데 되었다면 하다면 살다면 되었다.	Ė
그 사는 이 그 아들은 이 화면에 가는 살 때문에 하는 사람들이 하지만 사람들이 되어 생각을 때	
그는 이 그 그 그 아이는 물이 되고 한 것을 하는 것은 이번 하는 사람들이 얼마를 가는 것을 가득했다.	į.
	i,
그 그는 사람들이 들고 이 집에 가장 하는 것이 하는 것이 사람들이 되고 화장을 되지 않는데 아이 보였다.	:
	:
그는 그는 이번 사람들은 아니라 하는 사람들은 아니라 나를 받는 사람들이 가는 것이 되었다.	•
는 사용하는 경우 사용 사용 가장 전혀 있다. 그 사용 사용 가장 등에 가장 보고 있다. 그는 사용 등을 보고 함께 되었다. 기계로 가장 보고 함께 되었다. 	•
	• .
	2
그는 그 어느님도 모임을 모르는 말이 많아 나가게 하는 것이 말을 때 하는 문으로 한 번째 전기 어떻게	
그는 그는 사람들은 점심하는 결혼들이들을 만들는 하는데 환경을 보고 있을까지 않을 수 있다. 하는데 하는	1
	į
그는 그는 이는 작가 있는 것이 있는 것이 없는 것이 얼마를 가는 것이 하지만 하는 것이 살아왔다.	
	i
그는 그 이 나는 그의 일다는 얼마는 그리즘 보다 뭐 하고 있는 사람들이 그리를 받는 것을 받는 것을 받는 것을 받는다.	:
	=
도 보고 있는 사람이 하늘하게 하는 것으로 하는 것을 보고 하겠습니다. 그런데 회약에 되었다는 것으로 모르는 것은 것으로 되었다. 	j.
그는 그는 이번 그는 그리는 그리는 살림이 불통을 하고 있다면 하는 것도 없는 것이 없는 것이 없었다.	
그는 그는 그는 그리고 하는 나는 살이 있었다. 그들은 그는 그는 그를 모르는 것이 없다.	
는 사람들은 사람들이 되었다. 그는 사람들이 보고 있는 사람들이 가장 사람들이 되었다. 그는 사람들이 가장 사람들이 되었다는 것이다. 그는 사람들이 모르는 사람들이 되었다. 그는 사람들이 되었다. 	r"
	4
그는 그리고 살아 있다. 그는 사람들은 사람들은 아내를 하는 것이 없는 것이 없는 것이 없다면 없는 것을 했다.	
그는 그는 그는 그는 그는 사람들이 하는데 가장 사람들이 모양을 하는데 모양을 하는데 하는데	
그는 그는 그는 그는 그는 그리고 있는 것이 되었다. 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은	.:
	:
	ř
	-
그는 그는 그는 그는 그들은 그들은 그들은 사람들이 살아왔다. 그는 그들은 사람들이 살아 살아 보다 살아 있다.	4
그 그 그는 그는 그는 그는 그는 그 그 그를 살았다. 그는 그는 그는 그를 살았다. 나는 사람들은 점점을 가지 않는다.	
그는 이 이 사이가 있다면 하는 것이 하는 사람들이 되었다는 사람들이 어디를 갖춰서 살아갔다. 그는 사람들은	
그는 이번 사람들이 하는데 아내는 모양을 가지 하는데 사람들이 사람들이 되었다고 하는데	÷
	÷
그는 그는 그는 그는 그는 그는 그는 그는 그를 가면 하는 것이 되었다. 한 일을 가는 사용을 수 있어 있는데 그렇게 했다.	:
그는 그는 그는 그는 사람이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은	Ė
그는 그는 그는 그는 그 그는 그는 그를 가는 것이 되었다. 그는 그를 가는 것이 없는 것이 없는 것이 없는 것이다.	
그는 그는 그는 그는 그는 사이들은 그는 이렇게 되는 사람들은 회에 생각을 잃는 사용을 입니다.	ŀ
	:
그 그 그는 그는 이 얼마를 되어 먹는 말이 하다면 하는 것이 하는 것이 되었다면 하게 되었다.	
그는 그는 사람들은 사람들은 회사에서 가장이 있다는 사람들이 가장하고 있다. 살아가는 것 같아 있다는	:
	•
그는 그 그는 그는 그들이 된 것으로 하고 하는 것이 되는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.	•
	-
그는 그는 그는 동안 중에 그는 아이랑 이름통원이 되는 아일 만들어 중요한 한 후통을 살으는 것입니다.	. e
	į
	.f.
	1
	-
그는 문화가는 사람들은 경기되고 있다면 이 화고 동안 출생하는 그리고 있다는 경기를 가장하는 것이 없었다. 이 사람들이 되었다는 것이 되었다는 것이다.	
	-
ন সংখ্যা কৰে। স্থান প্ৰত্যাপ কৰি সংখ্যা কৰি সংক্ষাৰ এই কুক্তি ক্ষাৰ কৰি কৈই কুক্তি ক্ষেত্ৰ কৈ কৰে। ই ইছ বঁটা ইকিলো সি সংখ্যা	•*

Historical Resources and Protected Areas in the Region

A number of historical resources exists in the Province of Tekirdağ. Especially, the District of Marmara Ereğlisi is considerably rich in terms of historical and archaeological sites. In this regard, the District was designated as a Class-1 Site by the Ministry of Culture. However, there are no known historical and archaeological resources on or in the immediate vicinity of the proposed project site.

Due to its location as a natural harbor connecting Anatolia to Trakya, thus to Europe, the area was an important settlement throughout the history. According to the results of archaeological surveys, the District of Marmara Ereğlisi was anciently known as "Perinthos". The first organized settlements in the District started in 601 B.C. by Samosians. Later on, the area was under the rule of Greeks, Romans and Byzantiens, chronologically. During the 3rd Century A.D., the name of the city was changed to "Heraklia" by the Byzantine governors and remained the same until the occupation of the city by Ottoman Empire in the 15th century. Under the rule of Turks, the area was renamed as "Marmara Ereğlisi".

The remains that were found during excavations generally represent the Roman and Byzantien culture. The acropolis of the city is on a high peninsula lying on the east-west direction. Currently, about one third of the acropolis remains in a military zone. This area is known as Cape of Mola. Within the Cape of Mola, an ancient harbor exists. The ancient breakwater constructed to protect the harbor from northeastern and eastern winds, is still observable under the water. A Roman Stadium was found during the excavations in 1987. Although the structure was not damaged completely, it is still under soil.

A high number of tumuluses were found during the archaeological surveys in the project area. Although no ancient tombs were discovered inside these structures, various disturbances that were observed on their surfaces increase the probability of destruction through illegal excavations. Some of these tumuluses are named as Kukunar Hill, Çiçekli Hill, Yılma Hill, Büyük Metris Hill, Bekçi Hill and Miltepe. A description of the archaeological sites within the study area are given in this Appendix with a figure showing the location of these archaelogical sites relative to the proposed project site.

In the Omurca Ranch, 7 km to the north of Marmara Ereğlisi, there exist an ancient wine cellar, a church and a cistern. Certain inscriptions and architectural values of Roman and Byzantien culture were found in the area.

In the study area, there are relatively recent historical buildings. These architectural structures posses cultural properties of the Ottoman-Turkish style. The structures are made up of either wood or stone. The most important of the historical houses in the Tekirdağ Province Center is the "Rakoczi Museum" which represents the architectural style of the 17th century. There are also certain mosques, caravanserais and water fountains of historical value. For instance, Rüstem Paşa Mosque was constructed by Mimar Sinan. Many of these monuments are protected from destruction by inclusion in "Protective Site" areas. However, there are no national parks, natural preservation areas or wetlands in the SA or in the immediate vicinity of the proposed project site.

Recreational Areas

Coastal Line

As the Province of Tekirdağ has a long coastal line along the Sea of Marmara, main recreational activities within the region are swimming, watersports, and sea-side camping. There are a number of natural beaches within the boundaries of the SA, namely Kumbağ, Karaevli and Marmara Ereğlisi. However, recreational facilities of the Province are not sufficient and residents usually prefer distant natural beaches for such sea activities.

Hotels and restaurants are located mainly in the inner regions of the Province,

usually in the district centers. On the other hand, smaller accommodation facilities such as motels, pensions and campings are more common along the coastal line. The distribution of facilities servicing under municipality control within the Province of Tekirdağ is given in Table A.6.1.

In the eastern part of the SA, there are a large number of summer houses owned by the residents of Istanbul and other neighbouring cities. Thus, the population in this part of the SA increases considerably during weekends and summer seasons. In this region, the number of motels and hotels are small and there are a few camping facilities. In Marmara Ereğlisi, the public beaches as well as the ancient Roman and Byzantien ruins are important for tourism and recreational activities. In addition, fishing is popular in the coasts of Marmara Ereğlisi.

TABLE A.6.1 Number Of Municipality Facilities in Tekirdag

Facility Type	1991	1992
Hotels/Motels	26	37
Pensions	88	90
Restaurants	52	52
Rest Areas (Gas Stations)	16	. 16
Pícnic Areas	2	2
Public Beach	5	5
Camping	6	6
Total	195	208

Source: Tekirdağ Province Tourism Master Plan, 1992.

The western portion of the project area towards the District of Şarköy is more developed in terms of recreational areas. Hotels and motels are common in the western region of the SA. In Tekirdağ Province Center and especially in the Village of Kumbağ, there are various kinds of recreational areas such as the harbor facilities, summer houses, hotels and motels. Because the region

is flat, the beach facilities are accesible and commonly used by the residents. In addition, fishing and hunting are among the recreational activities. On the other hand, the western zone of the Province Center passing Kumbağ beach is currently not utilized in the form of touristic facilities. Other than some unqualified natural beaches, the region is comprised of agricultural areas and rural settlements.

Forests

In general, the Province of Tekirdağ can be considered poor in terms of forests. The forestries in the northern coastal zone near Black Sea and the area bordering the Province of Çanakkale fall far beyond the boundaries of the SA. Except some small oak-tree forests near Tekirdağ Province Center, the SA lacks of large forests.

The major in-forest facilities for recreation include those of Kumbağ, Barbaros, Karaevli, Çorlu and Marmara Ereğlisi. Among these, the most common one is the Kumbağ in-forest recreational facility which has drinking water supply and sewerage system. In addition, Atatürk Forest is being used for recreational purposes. The thermal spring "Avşar İçmesi" in the Tekirdağ Province Center is also currently utilized as a recreational area. However, it is not common in terms of regional and national use.

Same and the second of the second

ing the proof of the control of the

Other Archaeological Sites Near the Project Area

This section summarizes the main characteristics of other archeological sites within the surrounding area. However, it should be noted that there are no known archeological sites on or in the immediate vicinity of the proposed site. As shown in Figure A-1, all of these ancient sites are located at a considerable distance to the proposed port area.

Ancient Perinthos City (Marmara Ereğlisi)

The District of Marmara Ereğlisi was anciently known as "Perinthos". Since 601 B.C., the District was under the rule of Samosians, Greeks, Romans and Byzantiens, chronologically. Ottoman Empire started its occupation of the region in the 15th century. The remains that were found during excavations generally represent the Roman and Byzantien cultures. The acropolis of the city is located in a high peninsula lying on the east-west direction. One third of the acropolis remain currently in the military zone. This area is also called as the Cape of Mola and marine walls are at the northern parts of the cape. The ancient Perinthos City is designated as an Archaeological Site-I by the Ministry of Culture.

Büyük Metris Hill (Marmara Ereğlisi)

Büyük Metris tumulus is situated on the Seymen Road, at approximately 5 km north of the District of Marmara Ereğlisi. It is one of the biggest mausoleums which is believed to belong to the governor of the ancient city. The diameter of the tumulus is 200 m and the tumulus is covered with 33 m thick soil. Some small illegal excavations are observed over the tumulus. Since the hill is covered with soil, no artifacts or ruins can be seen.

FIGURE A.6.1 Areheological sites

Küçük Metris Hill (Marmara Ereğlisi)

Küçük Metris Hill, situated at the north of Büyük Metris Hill, is located at the west of the road between the Districts of Marmara Ereğlisi and Çorlu. This hill is covered with 30 m thick soil and it has a diameter of 150 m. It is also one of the biggest mausoleums which is believed to belong to the governor of the ancient city. There are some small illegal excavations over the mausoleum. There are no surface artifacts or ruins since the hill is stowage.

Miltepe (Marmara Ereğlisi)

The Miltepe mausoleum is located at west of the Marmara Ereğlisi-Çorlu Road. The mausoleum is among the biggest ones constructed for the governors of the District of Marmara Ereğlisi. It is 20 m below the surface and has a diameter of 120 m. No surface artifacts are observed. Miltepe is mildly destructed due to the small holes digged by the treasure-hunters.

Yılma Hill (Marmara Ereğlisi)

It is located near the west of the old Marmara Ereğlisi-Çorlu Road, to the north of Miltepe. Yılma Tepe is also situated at near Marmara Ereğlisi on a natural ridge. The tumulus is a tomb for one of the governors of ancient Marmara Ereğlisi. The approximate height and diameter of the tumulus are 25 m and 90 m, respectively. There are some illegal excavations over the tumulus. There exists no surface findings.

Kalemis Hill (Marmara Ereğlisi)

and the state of the state of

It is located 200 m to the north of Marmara Ereğlisi-Tekirdağ Road on a natural ridge. Even though it is 3 km to the District of Marmara Ereğlisi, compared to the other tumuluses, Kalemis Hill cannot be seen from the District of Marmara Ereğlisi. The approximate height of the tumulus is 8 m and has a diameter of 500 m. There are no surface findings. The hill is

subject to considerable amount of destruction as a result of agricultural activities on the arable land on the sides. The stopes of the hill is almost completely destroyed.

Çiçekli Hill (Marmara Ereğlisi)

Çiçekli Hill is located on the east of the old road between the Districts of Marmara Ereğlisi and Çorlu. The mausoleum is situated on a natural hill at 2.5 km to the north of Yılma Tepe. It is a tomb of one of the governors of the ancient city. The tumulus which has approximately 16 m soil cover, has an approximate diameter of 90 m. There are also some illegal excavations over the tumulus. There exists no surface findings.

in the state of th

Kukunar Hill (Marmara Ereğlisi)

It is located at the 5th km of the road between the District of Marmara Ereğlisi and Yeniçiftlik Sub-District. The hill is situated around Marmara Ereğlisi, at the north of Kalemis Tepe. The mausoleum, which is probably a tomb of one of the rulers of the city, is important in terms of aesthetics as it can be seen from all directions. The tumulus has a 25 m soil cover and its diameter is of 25 m. There exists no surface findings. Kukunar Hill is subject to destruction as the sides of the hill are comprised of arable land.

Problem to the second of the s

Bekçi Hill (Marmara Ereğlisi)

The mausoleum is located at the north of the road between the Districts of the Marmara Ereğlisi and Çorlu. It is among the biggest tumuluses around the District of Marmara Ereğlisi and located on a natural hill. The mausoleum is believed to belong to one of the governors of the ancient city. It is almost 30 m below the surface and has a diameter of 175 m. No surface findings are observed but there are some illegal excavations on the tumulus.

Committee of the state of the s

· Andrew Address (1984年) 1984年 - 1984

Barbaros Village (Tekirdağ Province Center)

The city was established by Greeks in the 7th century B.C. Later, Byzantien occupied the city intensively and named the village as Byzante. Currently, only the walls of the ancient city exist.

Karaevli Village (Tekirdağ Province Center)

An ancient Trak city which is discovered on the flank, at the opposite side of Karaevli beach. It is located on the 17th km of Tekirdağ-İstanbul Highway.

Inecik Sub-District (Tekirdağ Province Center)

Inecik Sub-District which is an ancient Trak city, was very important during Roman and Byzantien occupation. It is located on the 24 km of the road from Tekirdağ to Malkara. A mosque, a Turkish bath and a bridge constructed during Ottoman Empire exist in the sub-district.

Beşiktepe (Tekirdağ Province Center)

It is located between Ahmedikli Village and Hacıköy, in Tekirdağ Province Center. An ancient citadel was discovered in the area.

Misinli Village (Çorlu)

Misinli is currently a village of the District of Çorlu. The remainings of a citadel reveal the history of the ancient settlement.

grand transfer of the control of the

The History of Tekirdag from:

"The History of Tekirdag":

Tekirdag Museum Booklet. Republic of Turkey, Ministry of Culture, General Directorate of Monuments and Museums.

The Marmara Region, with its strategical location, its climate, fertile soil, its rich flora and fauna is an important region for human settlement, inhabited during all times.

For the moment, no Paleolithic or Neolithic settlements have been recognized in Tekirdag province. The stratigraph of the deposits in the Güngörmez and Güneskaya caves in the Saray district and the find from the Toptepe mound, c. 4-5 km. west of Marmara Ereglisi, suggest a Chalcolithic date 4800/4700-300/BC. It is possible that further excavations yet to be carried out at these sites could reveal Paleolithic deposits.

The field surveys carried out along the cost line have demonstrated that the area was densely occupied during the Early Bronze Age (3000-2000 BC.)

During the late Bronze and Early Iron Ages (1400-1000 BC) Thrace was effected by a great wave of migration. Thereafter, there is a dark age that written sources and material data can not yet provide sufficient information. During this period, there were groups known as Proto-Thracians in Thrace. Very little is known about these early settlers. Herodotos (490-435 BC) wrote that Thracians could never establish a union, yet were the most numerous on earth after Indians. However, in the second half of the fifth century BC, the Thracians established a kingdom under the control of the most powerful tribe, ruled by the Odrysian dynasty.

Trading activities started in Thrace in the seventh century BC.

During this period colonists from Megara and Samos were founding colonies along the Thracian cost of the Sea of Marmara (Selymyra, Bizanthe, Perinthos). Both the ancient sources (Homer, Herodotus and Xenophon) and the archaeological evidence demonstrate that there were previous inhabitants in the region, people at strife with organother as well as with the new settlers.

As a result of the Scythian campaign of the King Darius, Thrace came under Persian control in 514-513 BC. This hegemony was to continue until the anti-Persian Delian Confederacy, organized by Athens in 478-477 BC, freed Thrace from the Persian threat. Philip II of Macedonia included the Thracian land in his Odryrs kingdom. After the death of Alexander, Thrace fell under

the control of Lysimachos. Developments beginning in AD 19 with Tiberius' sending a Roman governor to Thrace eventually resulted in Thrace's recognition as a Roman province in AD 46. Thrace remained for a long period under Roman rule. It became a part of the East Empire (Byzantine) with the split of the Roman Empire in AD 395. With the fall of Constantinople in 1453. it then came under Ottoman control.

Summary for "Historical Resources and Protected Areas in the Region" from papers taken from Coskun Yurteri

A number of historical resources exists in the Province of Tekirdag. Especially, the District of Marmara Ereglisi is considerably rich in terms of historical and archaeological sites. In this regard, the District was designated as a Class-1 Site by the Ministry of Culture.

A high number of tumuluses were found during the archaeological surveys in the project area. Although no ancient tombs were discovered inside these structures, various disturbances that were observed on their surfaces increase the probability of destruction through illegal excavations. Some of these tumuluses are named as Kukunar Hill, Cicekli Hill, Yilma Hill, Büyük Metris Hill, Bekçi Hill and Miltepe.

In the Omurca Ranch, 7 km. to the north of Marmara Ereglisi, there exists an ancient wine cellar, a church and a cistern. Certain inscriptions and architectural values of Roman and Byzantien culture were found in the area.

In the study area, there are relatively recent historical buildings. These architectural structures posses cultural properties of the Ottoman-Turkish style. The structures are made up of either wood or stone. The most important of the historical houses in the Tekirdag Province Center is the "Rakoczi Museum" which represents the architectural style of the 17th century. There are also certain mosques, caravanserais and water fountains of historical value. Many of these monuments are protected from destruction by inclusion in "Protective Site" areas. However, there are no national parks, natural preservation areas or - wetlands in the SA or in the immediate vicinity of the proposed project site.

Coastal Line

As the Province of Tekirdag has a long coastal line along the Sea of Marmara, main recreational activities within the region are swimming, watersports, and sea-side camping. There are a number of natural beaches within the boundaries of the SA, namely Kumbag, Karaevli and Marmara Ereglisi. However, recreational facilities of the Province are not sufficient and residents usually prefer distant natural beaches for such sea activities.

Hotels and restaurants are located mainly in the inner regions of the Province, usually in the district centers. On the other hand, smaller accommodation facilities such as hotels, pensions and campings are more common along the coastal line.

In the eastern part of the SA, there are a large number of summer houses owned by the residents of Istanbul and other neighbouring cities. Thus, the population in this part of the SA increases considerably during weekends and summer seasons. In Marmara Ereglisi, the public beaches as well as the ancient Roman and Byzantien ruins are important for tourism and recreational activities. In addition, fishing is popular in the coasts of Marmara Ereglisi.

The western portion of the project area towards the District of Sarköy is more developed in terms of recreational areas. In Tekirdag Province Center and especially in the Village of Kumbag, there are various kinds of recreational areas such as the harbor facilities, summer houses, hotels and motels. Because the region is flat, the beach facilities are accessible and commonly used by the residents. In addition, fishing and hunting are among the recreational activities.

Forests.

In general, the Province of Tekirdag can be considered poor in terms of forests. The forestries in the northern coastal zone near Black Sea and the area bordering the Province of Canakkale fall far beyond the boundaries of the SA. Except some small oak-tree forests near Tekirdag Province Center, the SA lacks of large forests.

The major in-forest facilities for recreation include those of Kumbag, Barbaros, Karaevli, Çorlu and Marmara Ereglisi. Among these, the most common one is the Kumbag in-forest recreational facility which has drinking water supply and sewerage system. In addition, Atatürk Forest is being used

for recreational purposes. The thermal spring "Avsar Içmesi" in the Tekirdag Province Center is also currently utilized as a recreational area. However, it is common in terms of regional and national use.

-

·

	,		·
			,

