



The Landscape Character Analysis in Turkey

Osman Uzun, Serap KARGIN ** Gülhan ÇETİN SÖNMEZ*

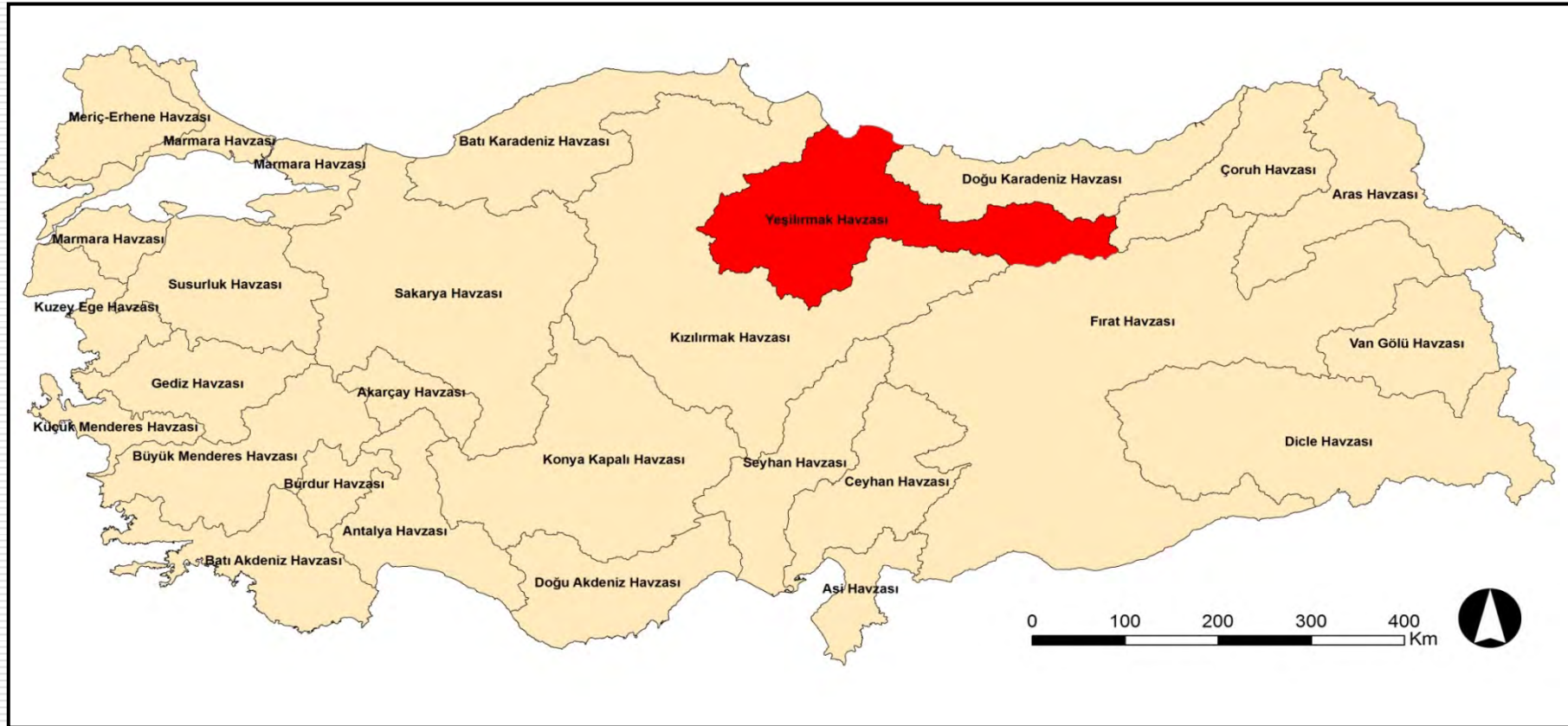


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****Ministry of Forestry and Water Affairs, General Directorate of Nature Conservation and**

1-Yeşilirmak Basin Landscape Atlas Project

(Landscape character, Landscape diversity, Biodiversity, Landscape quality, Landscape indicators, Landscape strategy).
This Project has started at **2012**. It will be finished at **2015**.



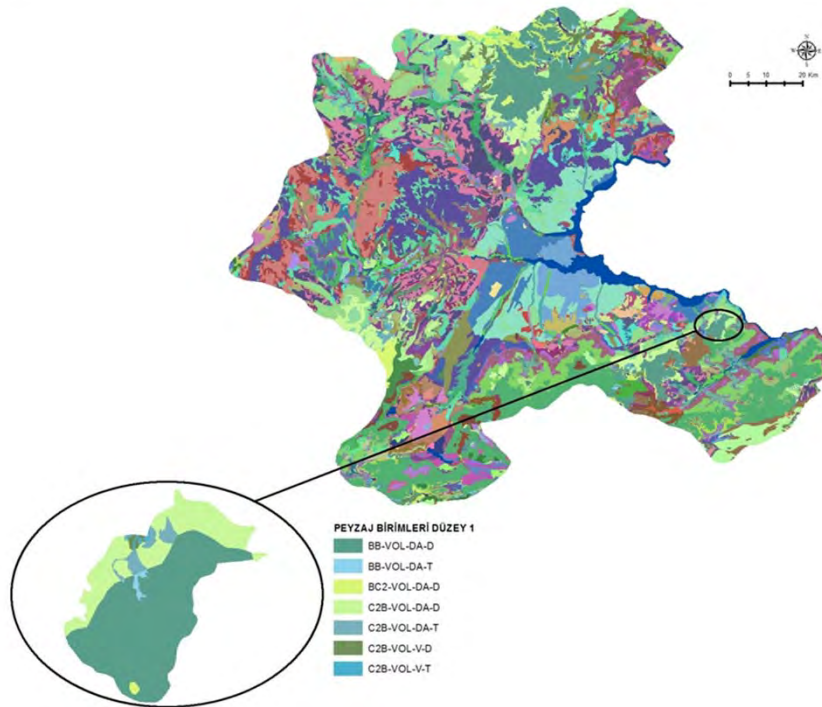
Yeşilirmak Watershed Area: 3.956.798 ha

The 13th Council of Europe Meeting of the Workshops for the implementation of the European Landscape Convention on
“Territories of the future: landscape identification and assessment: an exercise in democracy”



Malatya
Province
Area:
1231306 ha

Landscape Units 1. Level



2-Evaluation Malatya Province in terms of Tourism / Recreation and Landscape Character Analysis. This Project started at **2010** and finished at **2013**.



Malatya Landscape Character Areas

- Malatya Landscape Character Types and Areas
- Landscape function analysis
- Landscape database in GIS to entegrate other sector
- Landscape guide for tourism
- Evaluation of the Malatya tourism sector.....

3. *LANDSCAPE MANAGEMENT, CONSERVATION AND PLANNING PROJECT* OF SUĞLA WETLAND WATERSHED AND BOZKIR-SEYDİŞEHİR-AHIRLI-YALIHÜYÜK COUNTIES IN KONYA PROVINCE



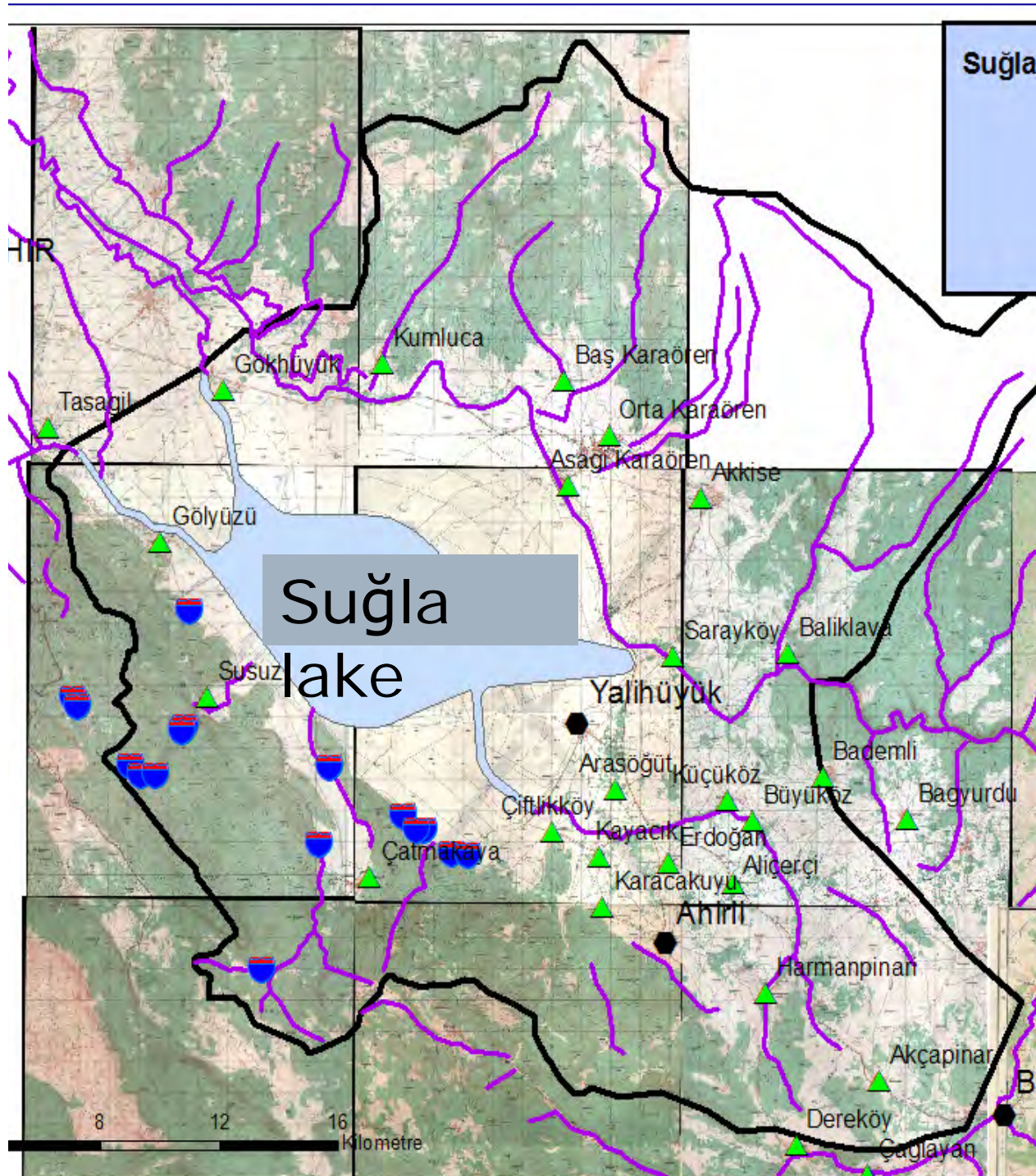
Political Map of Europe



TURKEY



The project area includes an area of 74.152 hectares based on watershed boundaries and the interactive environment of this area. The area is located in the Bozkır-Seydişehir-Ahırlı-Yalıhüyük districts of the Konya province



Suğla This area, having a diverse geological structure within the Mediterranean and continental climates transition zone in the central Taurus mountain range, has different features with respect to its geomorphology and hydrogeology. The karstic structure of the area has created the original geomorphological structures and sinkholes.

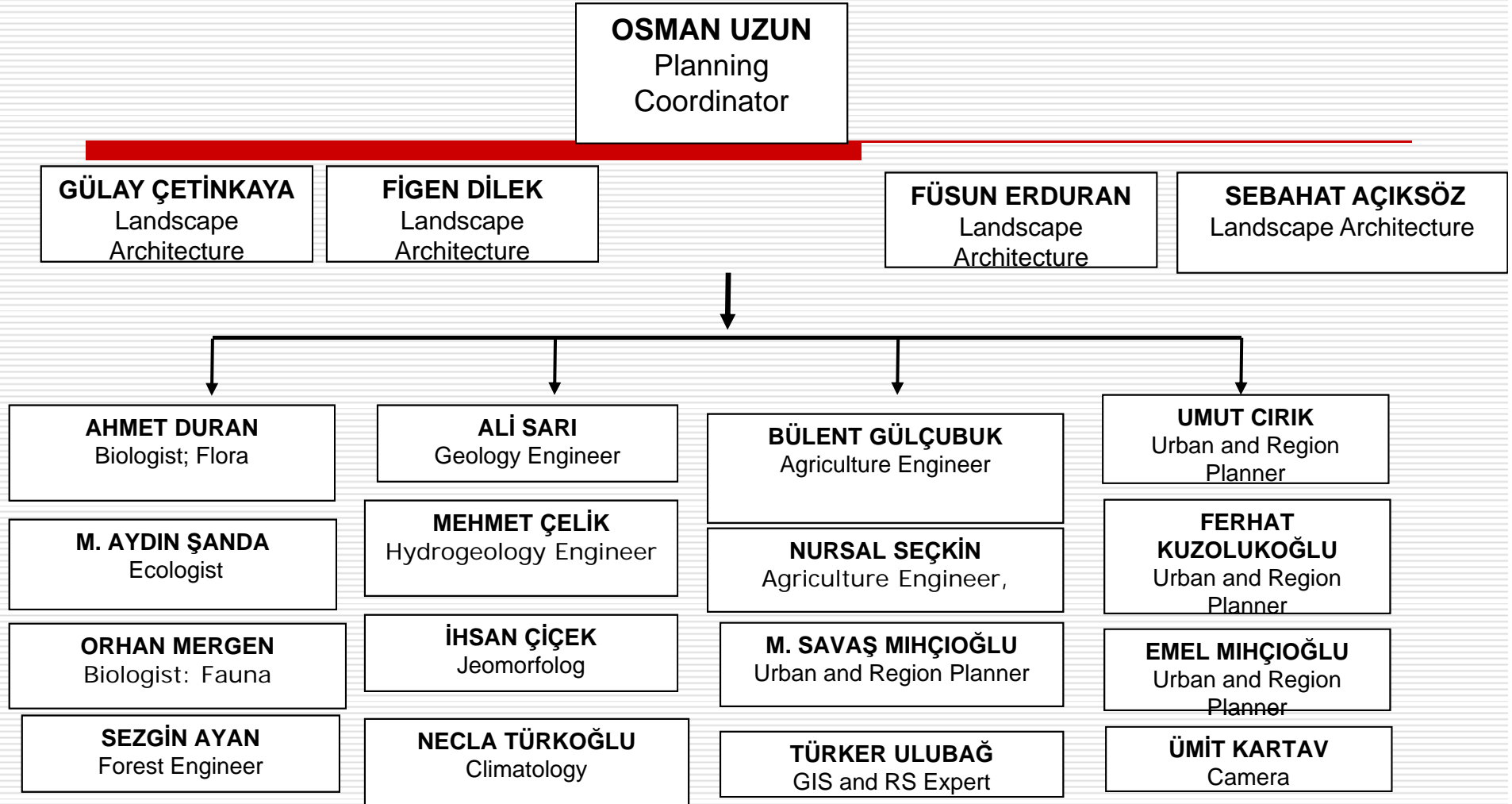
The aim of this project is to determine the landscape character types belonging to the planning area using the method of landscape classification at the national, regional and local levels.

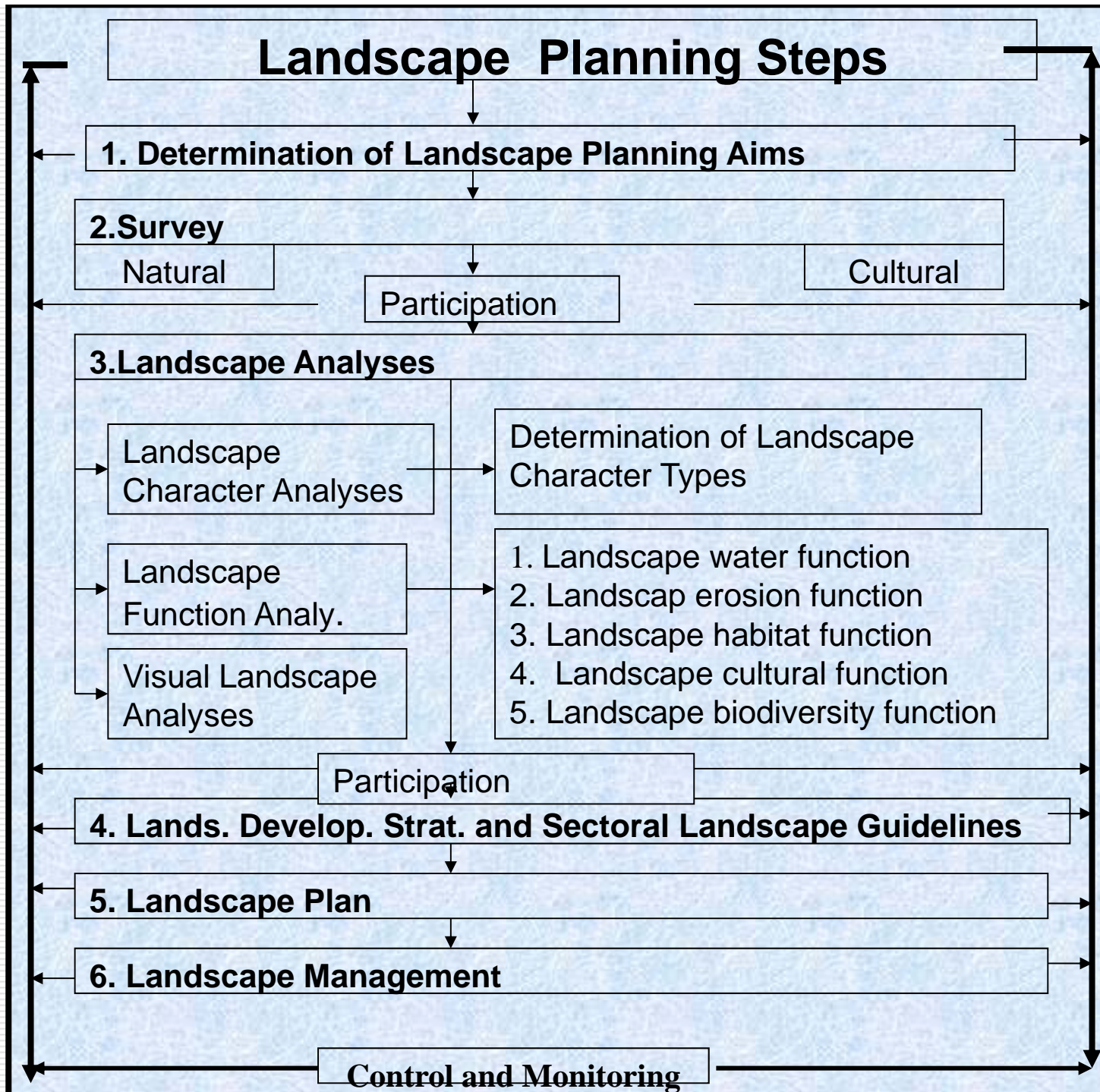


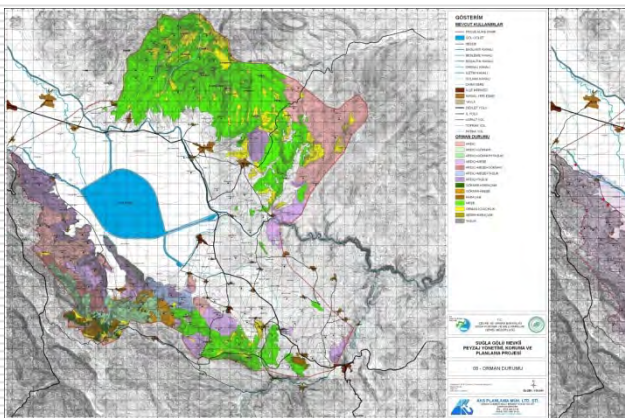
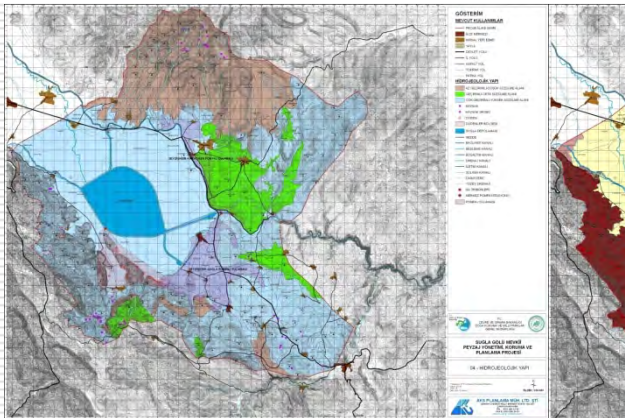
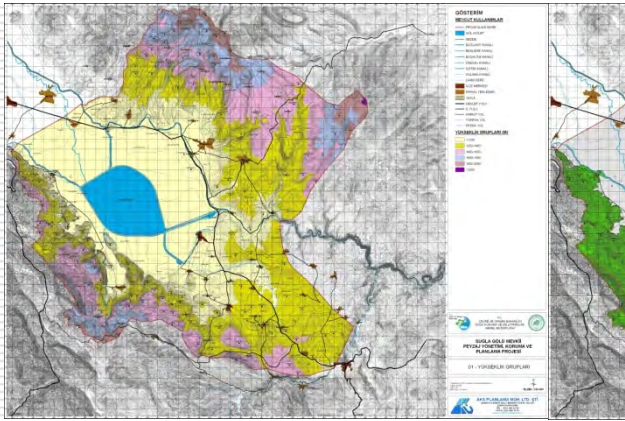
A second aim is the creation of the first official landscape plan will include development of sectoral landscape policies with an ecology-based approach.

The third aim is to introduce landscape management procedures for the implementation of the landscape plan developed above.

PROJECT TEAM







Natural and cultural landscape inventory belonging to the planning area was made.

*Natural Landscape Inventory
Geographical Location*

Location in Country Transport Network

- *Topography*
- *Geological Structure*
- *Geomorphologic Structure*
- *Climate Properties*
- *Hydrological and Hydrogeological Structure*
- *Soil Properties*
- *Forest Properties*
- *Flora*
- *Fauna*
- *Habitat Types, Classes, Distribution and Status*

After the inventory study, Some workshops were organized for the participation of the local people and representatives of the different establishments in Seydişehir, Konya and Ankara.



As a result of evaluating the dataset on the natural and cultural landscape studies, the landscape analysis was carried out within the framework of three headings:

Analysis of landscape character types,

Evaluation of landscape functions, and

Visual landscape assessment.

CLIMATE

Mega(termal)
Mezo(termal)
Mikro(termal)
Tundra

GEOLOGY

0 Alüvyon
1 Kum taşı, konglomera, filiş formasyonları
2 Kil/marn, kalker ardalanması
3 Kalker, mermer
4 Şist, gnays
5 Şist, gnays, mermer, kuvarsit ardalanması
6 Volkanik tuf, ignimbrit
7 Volkanik lav, aglomera
8 Ofiolit, serpentine
9. Plutonikler

LANDSCAPE CHARACTER TYPE

Climate+Geomorphology+Geolog+ Land cover
Mezo.D.8.DOR

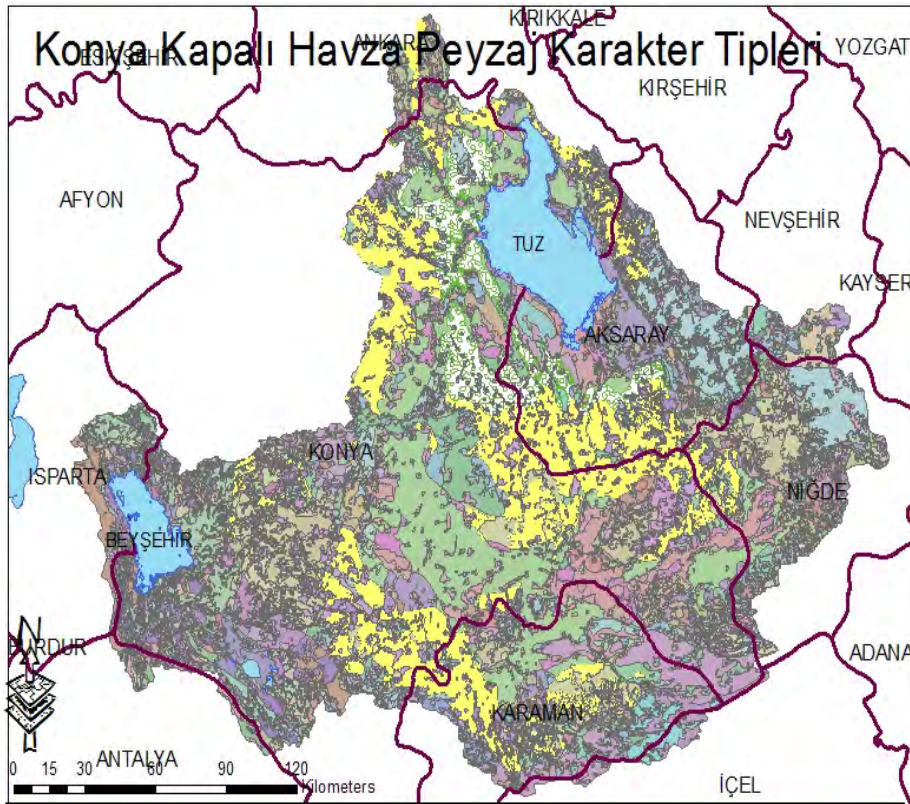
GEOMORPHOLOGY

D: Dağlar -
T: Tepeler
Y: Yayla ve yazılar
V:Vadiler, oluklar
O: Ovalar

NATIONAL LEVEL

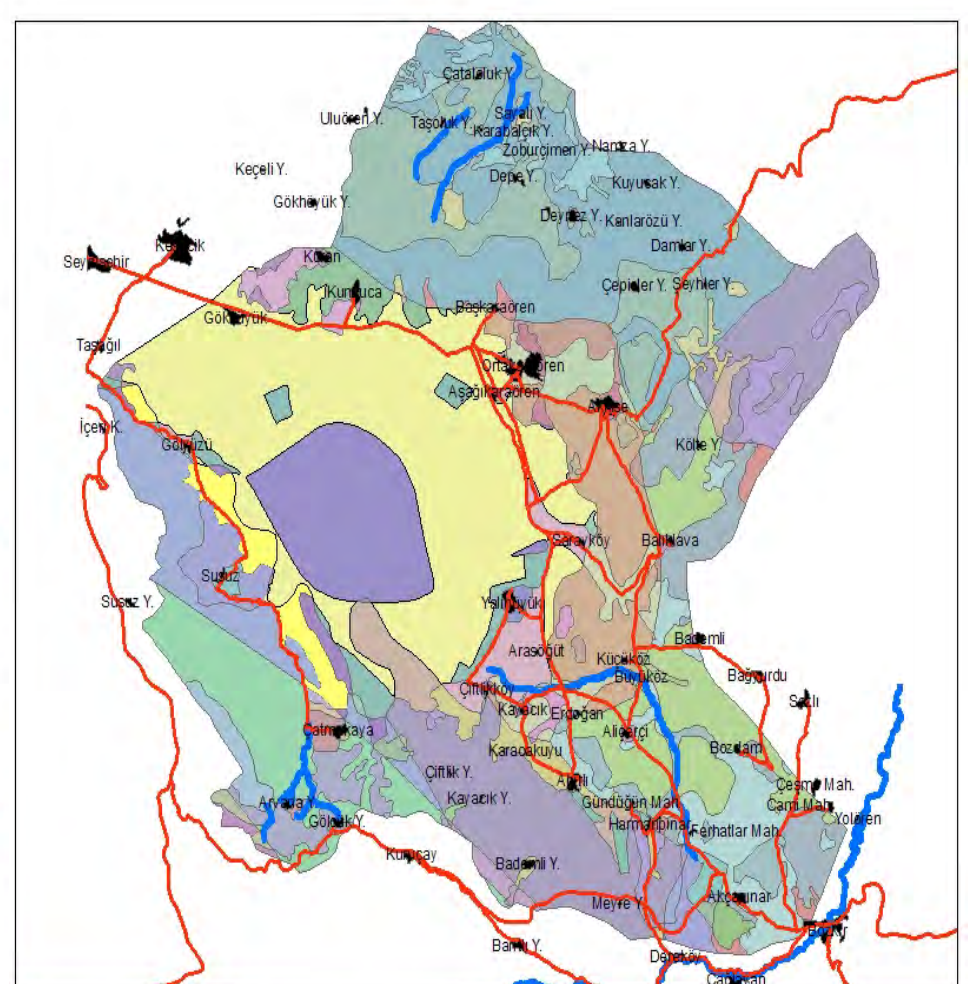
LAND COVER

1. Yapay bölge
YSY: şehir yapısı
YSU: Endüstri ticaret ve ulaşım birimleri
YMI: Maden boşaltım inşaat sahaları
YYA: Yapay tarımsal olmayan yeşil alan
2. Tarımsal alanlar
TEA: Ekilebilir alanlar
TSÜ: Sürekli ürünler
TME: Meralar
TKT: Karışık tarım alanları
3.Orman ve Yarı Doğal Alanlar
DOR: Orman
DMO: Maki veya otsu bitki
DBO: Bitki örtüsü az ya da olmayan alanlar
4. Islak Alanlar



Konya Havza Peyzaj Karakter Tipleri	
çok katmanlı	MezD1C10
elit alanlar	MezD1C11
peyzaj kod	MezD1C12
MezD1C13	MezD1C14
MezD1C15	MezD1C16
MezD1C17	MezD1C18
MezD1C19	MezD1C20
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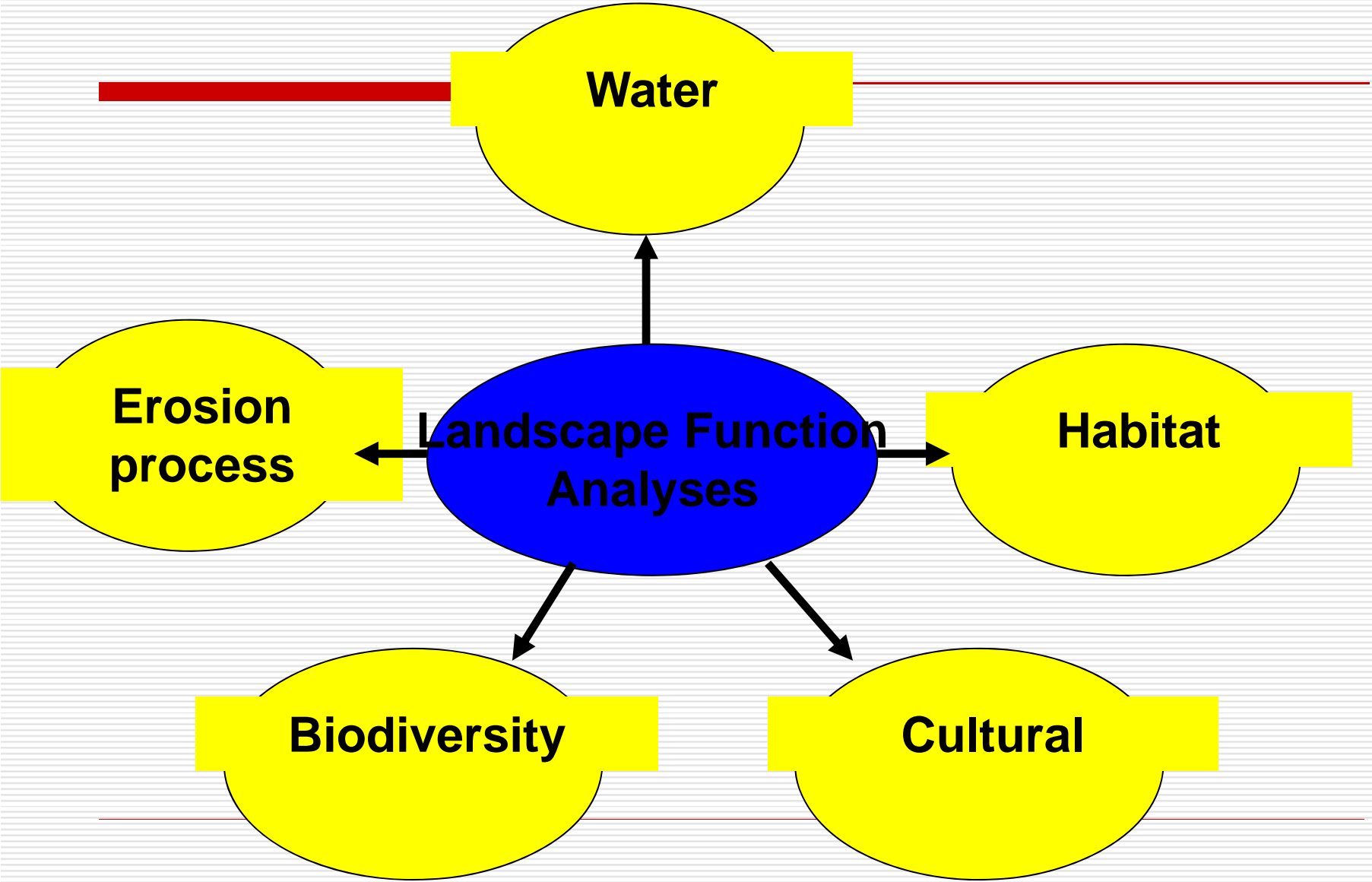
Konya basin area, 5 426 980 ha
 Konya basin area contain 367
 Landscape character Type



Suğla Gölü
 suglalusalgrup Project area: 74152 ha
 <all other value
 peykarkod
 MezoD1DBO
 MezoD1DMO
 MezoD1DOR
 MezoD1TEA
 MezoD1TKT
 MezoD1TME
 MezoD1YSY
 MezoD3DMO

54 different Landscape character type

Landscape Functions



Soil and geological structure permeability values were used to determine the landscape water function

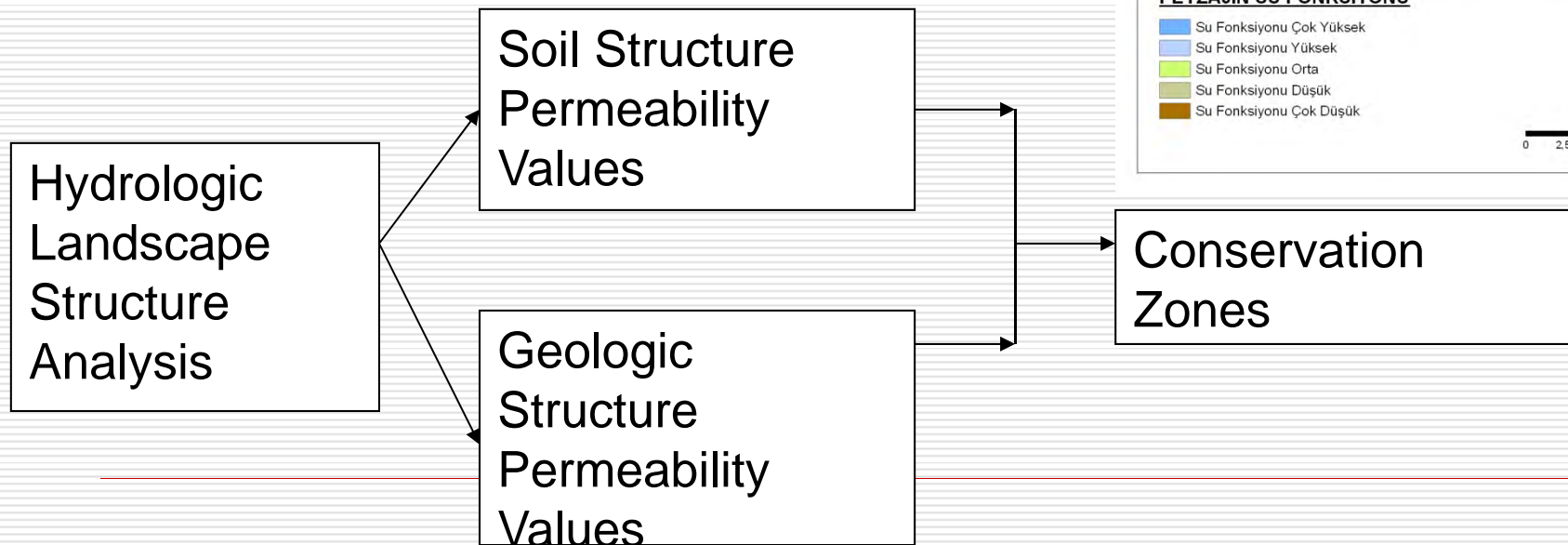
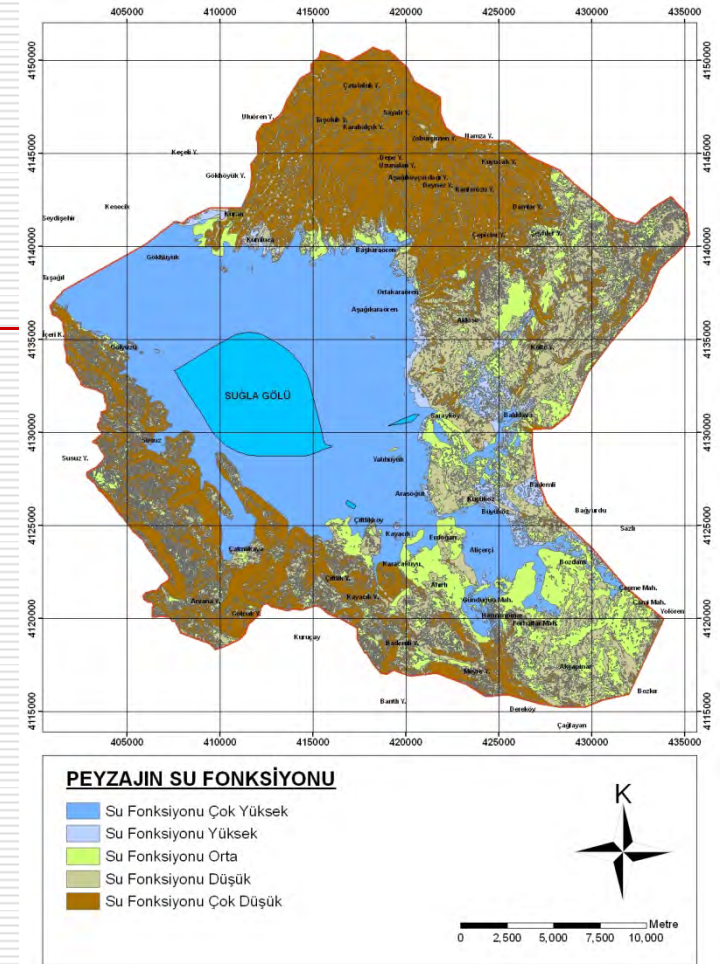


Figure ...The method of pointing infiltration zones with hydrologic landscape analysis (Buuren 1994, Şahin 1996).

The landscape erosion process analysis was determined by analyzing the potential erosion risk map and relevant data developed as a result of assessment of the vegetation cover, slope and geological dataset.

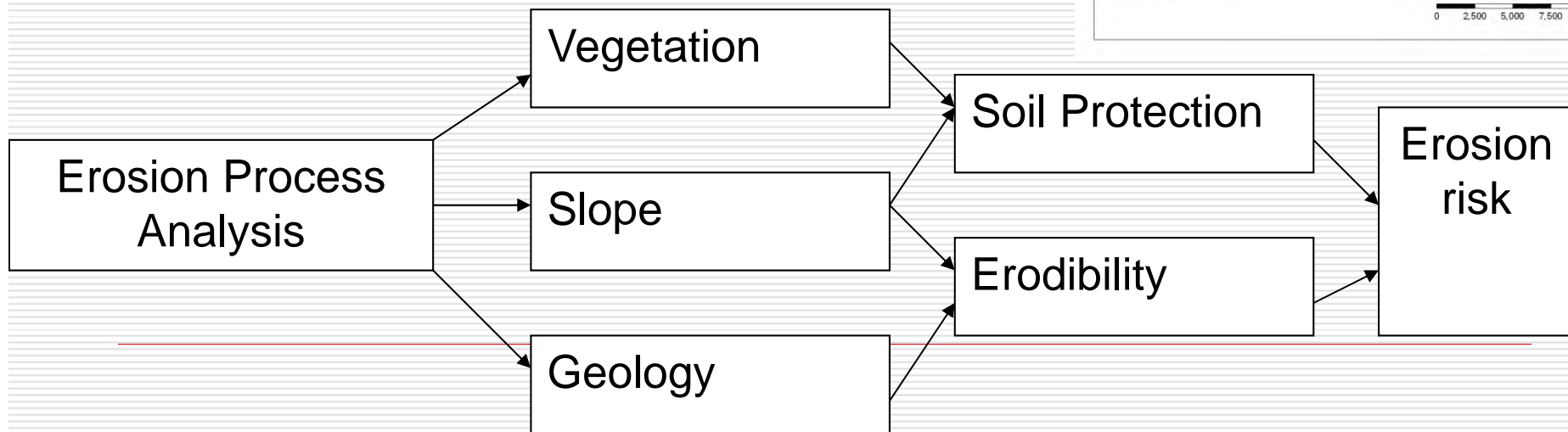
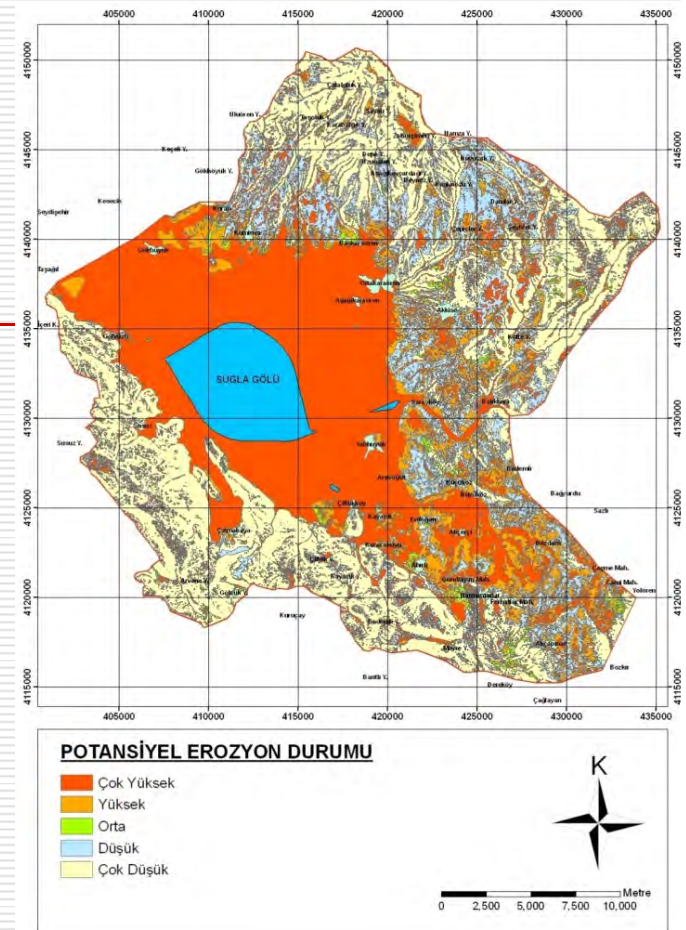
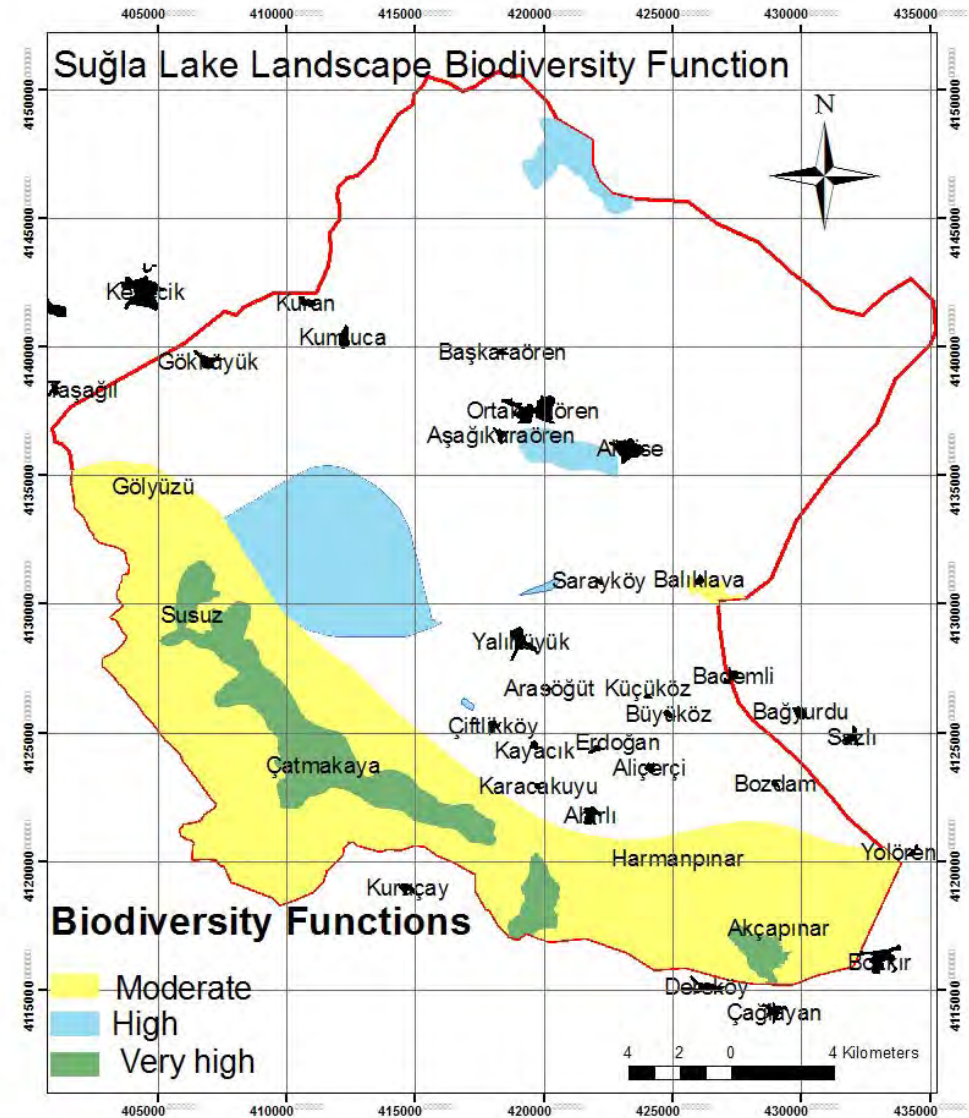
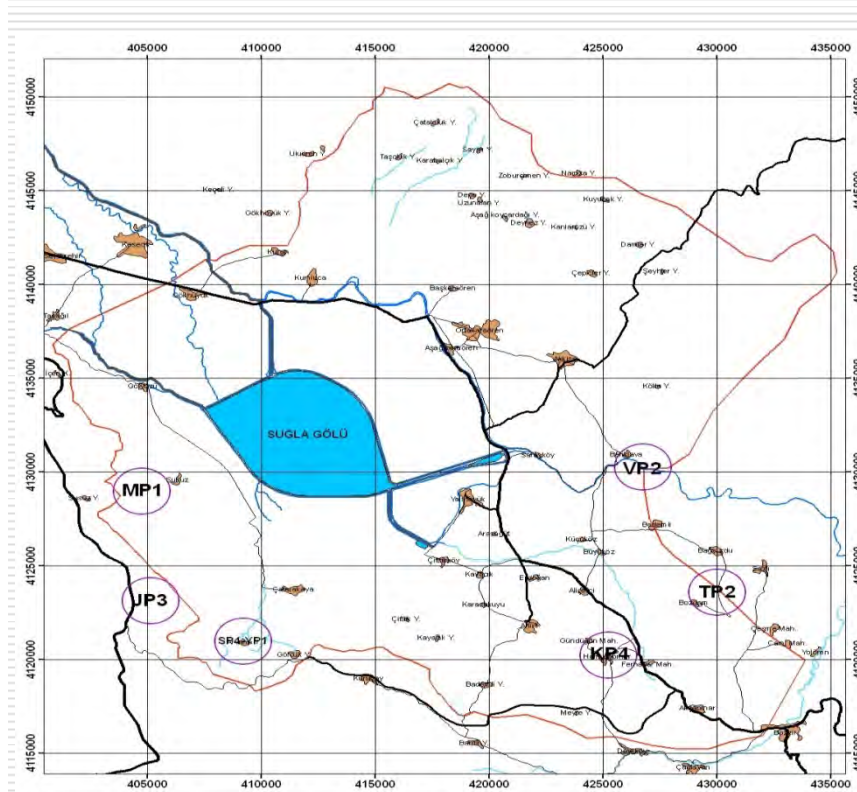


Figure ... Erosion Process Analysis (Mapa/Icona, 1983; Mopu, 1985; Mapa/Icona, 1991; Şahin and Kurum, 2002; Dilek et.al., 2008; Uzun et al., 2010)

The landscape biodiversity function was determined by using the maps of the areas of plants, birds and insects developed by the biologists in the project team.



Visual Landscape Analysis: Scenic Beauty Estimation Method (Daniel ve Boster 1976) was used for project.

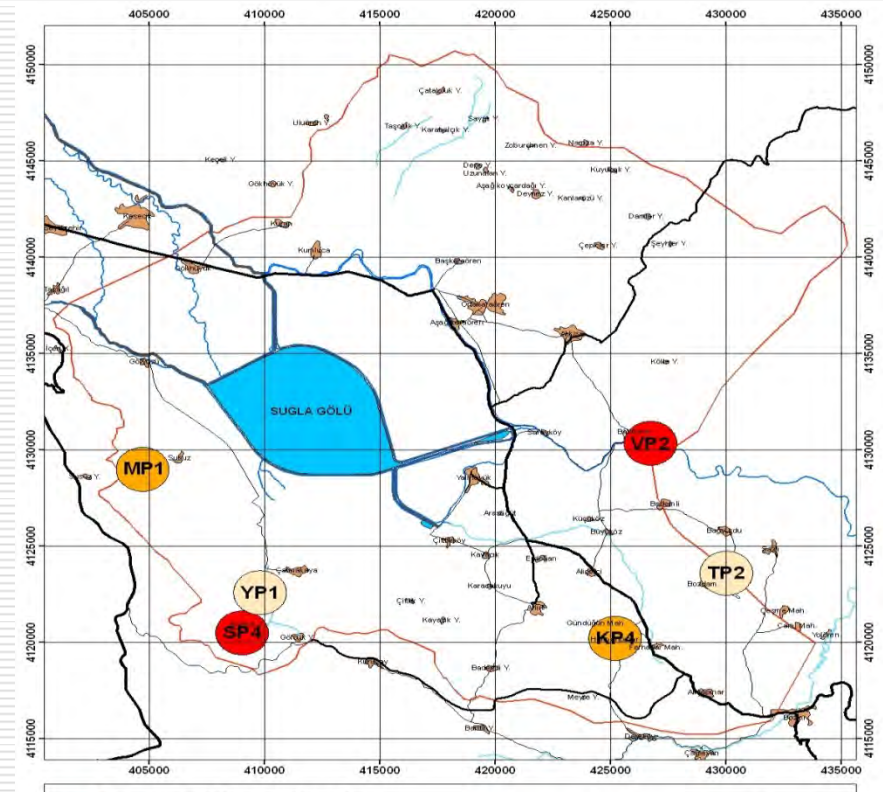


GÖRSEL AÇIDAN TERCİH EDİLEN PEYZAJ ALANLARI

- VP2: Mavi Boğaz
- JP3: Tınaztepe Mağarası
- SP4: Çatmakaya Yaylası Yukarı Kesimleri
- MP1: Susuz Köyü Merası
- KP4: Harmanpınarı Yerleşmesi
- YP1: Çatmakaya Yaylası Aşağı Kesimleri
- TP2: Bağyurdu Yolu



0 2,500 5,000 7,500 10,000 Metre



GÖRSEL KALİTE DEĞERİ

- Görsel Kalite Değeri Çok Yüksek
- Görsel Kalite Değeri Yüksek
- Görsel Kalite Değeri Orta



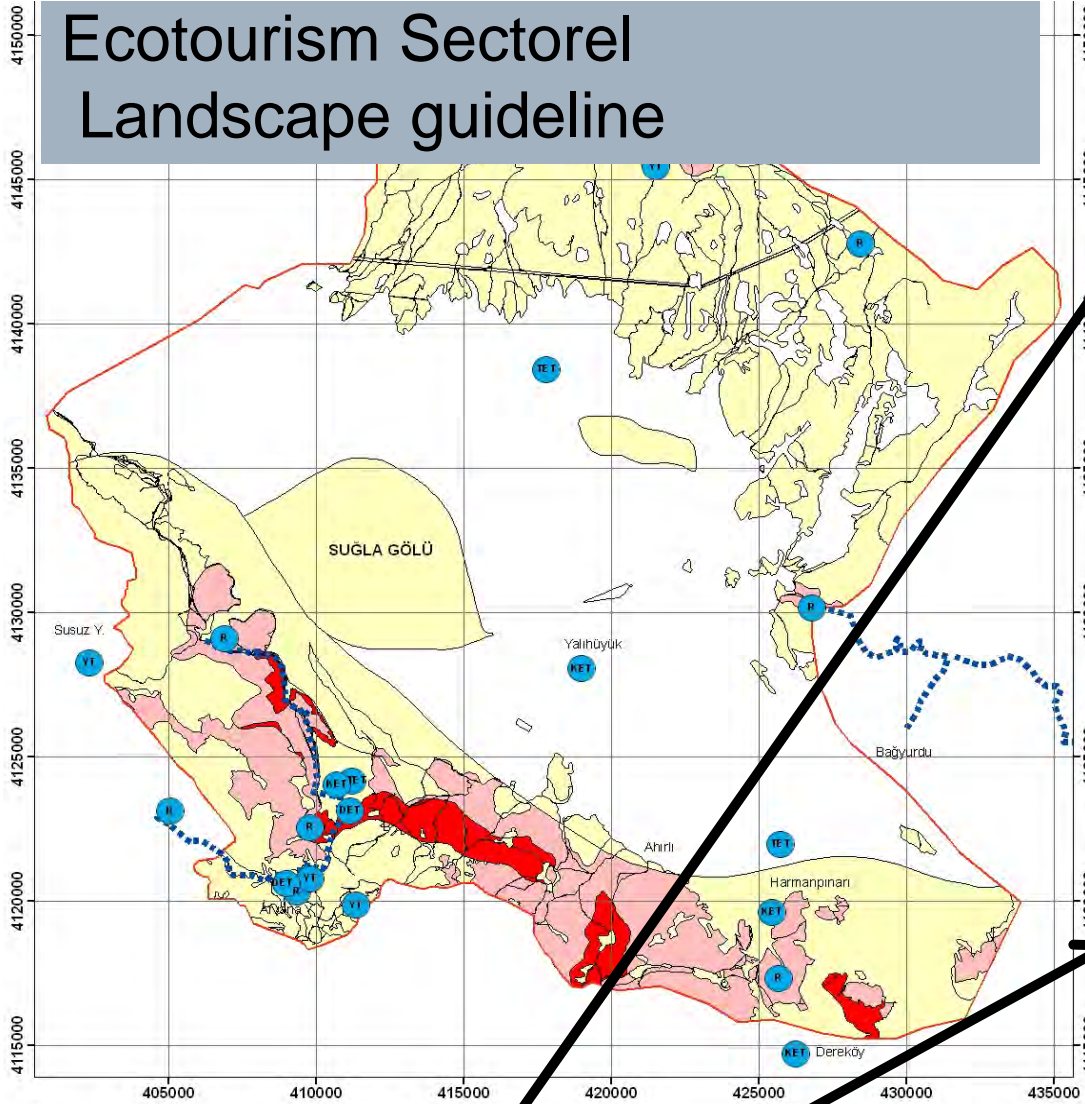
0 2,500 5,000 7,500 10,000 Metre

Landscape Development Strategies and Sectoral Landscape Guidelines

At this stage, landscape development strategies guiding the landscape plan were developed on the subject of forests, plateaus, grasslands, agricultural areas, water management, residential areas, cultural landscapes, potential tourism/eco-tourism and recreation sites, landscape restoration, transportation and logistics, energy and education

In addition, by preparing the landscape guidelines for forest, agriculture, settlement and tourism/eco-tourism sectors, the basis of the draft landscape plan was formed.

Ecotourism Sectoral Landscape guideline



Restricted Use Areas :
Habitat and Biodiversity
Landscape Character Function
Medium / Low

Areas that can be used for
tourism activities

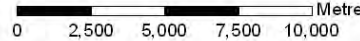
Landscape Limited Use Area
Habitat and Biodiversity
Landscape Character Function
High Suitable controlled areas of
tourism activities

Absolute Landscape Protection
Area :Habitat and Biodiversity
Landscape Character Function
Very High and Areas which are
not suitable for ecotourism

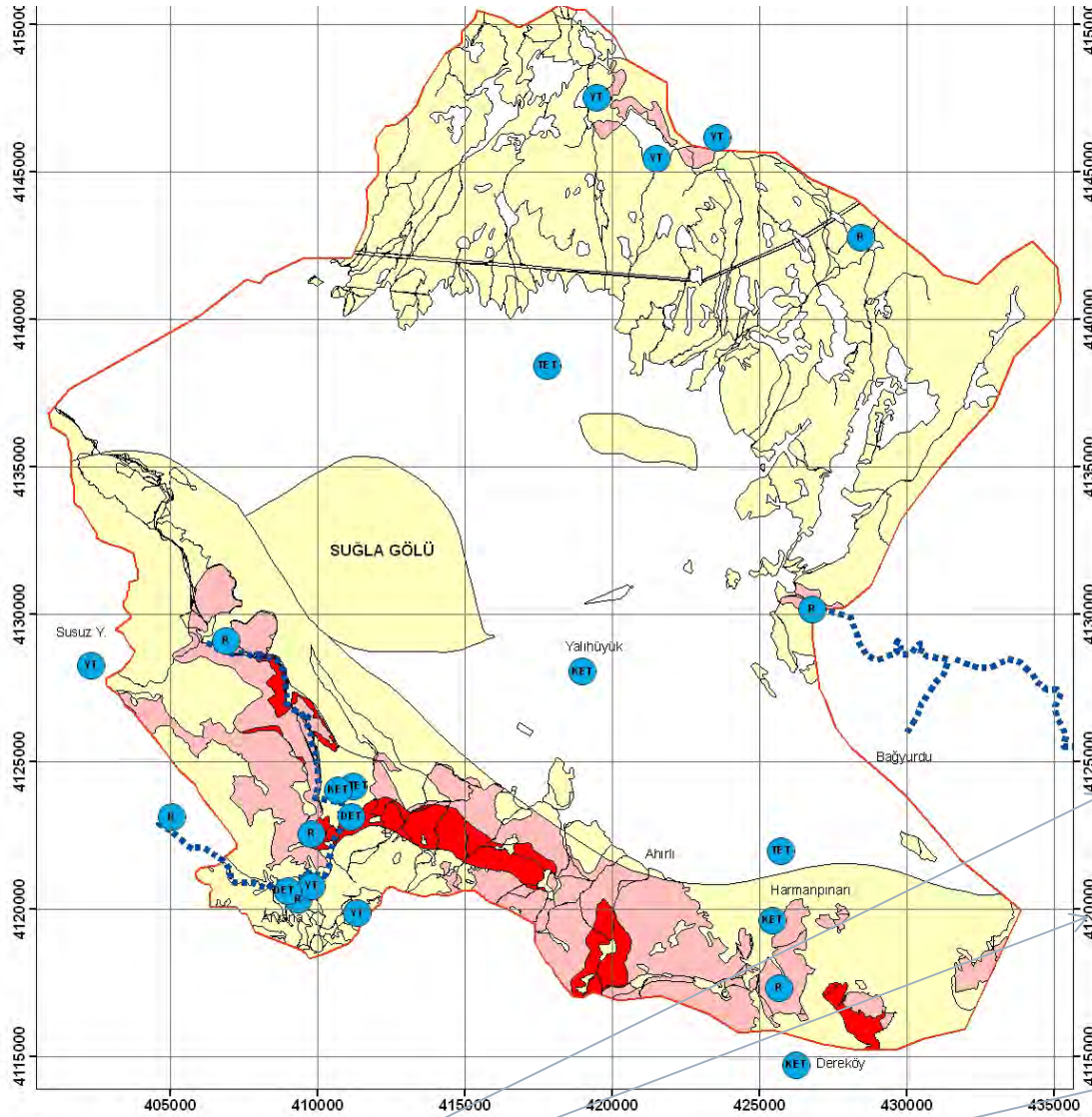
TURİZM SEKTÖRÜ PEYZAJ REHBERİ

- Doğa Odaklı Ekoturizm
- Kültür Odaklı Ekoturizm
- Rekreasyon
- Tarım Odaklı Ekoturizm
- Yayla Turizmi
- Doğa Yürüyüş Güzergahı

- Peyzaj Karakterinin Habitat ve Biyoçeşitlilik Fonksiyonu Orta/Düşük Peyzaj Sınırı Kullanım Alanı-Turizm Aktivitelerine Uygun Alanlar
- Peyzaj Karakterinin Habitat ve Biyoçeşitlilik Fonksiyonu Yüksek Peyzaj Sınırı Kullanım Alanı-Kontrollü Turizm Aktivitelerine Uygun Alanlar
- Peyzaj Karakterinin Habitat ve Biyoçeşitlilik Fonksiyonu Çok Yüksek Peyzaj Mutlak Koruma Alanı-Turizm Aktivitelerine Uygun Olmayan Alanlar



Ecotourism Sectoral Landscape guideline



Nature-oriented ecotourism,
Culture -oriented ecotourism
Recreation,

Agriculture-oriented ecotourism

TURİZM SEKTÖRÜ PEYZAJ REHBERİ

- | | | | |
|--|-------------------------|--|--|
| | Doğa Odaklı Ekoturizm | | Peyzaj Karakterinin Habitat ve Biyoçeşitlilik Fonksiyonu Orta/Düşük Peyzaj Sınırı Kullanım Alanı-Turizm Aktiviteleri İçin Kullanılabilecek Alanlar |
| | Kültür Odaklı Ekoturizm | | Peyzaj Karakterinin Habitat ve Biyoçeşitlilik Fonksiyonu Yüksek Peyzaj Sınırı Kullanım Alanı-Kontrollü Turizm Aktivitelerine Uygun Alanlar |
| | Rekreasyon | | Peyzaj Karakterinin Habitat ve Biyoçeşitlilik Fonksiyonu Çok Yüksek Peyzaj Mutlak Koruma Alanı-Turizm Aktivitelerine Uygun Olmayan Alanlar |
| | Tarım Odaklı Ekoturizm | | |
| | Yayla Turizmi | | |
| | Doğa Yürüyüş Güzergahı | | |



0 2,500 5,000 7,500 10,000 Metre

Traking route

Landscape Planning

The landscape plan was developed by assessing the landscape development strategies, sectoral landscape guidelines, proposed landscape status, and large-scale plans together with the factors affecting landscape change. The landscape plan is a tool to serve the creation of a sustainable balance between nature and studies of man-made engineering.

Landscape Plan

LEJAND

SINIRLAR

- İl Sınırı
- İlçe Sınırı
- Planlama Alanı Sınırı

PLAN KARARLARI

PEYZAJ KARAKTER FONKSİYONU YÖNÜNDE MUTLAK KORUNAN PEYZAJ

- Orman Peyzajı
- Konya Gaşığı Doğal Yayılış Alanı

PEYZAJ KARAKTER FONKSİYONU YÖNÜNDE SINIRLI KULLANILAN PEYZAJ

- Orman Peyzajı
- Tarım Peyzajı
- Kontrol Önlemleri Gerektiren Tarım Alanları

Mera Peyzajı

- Uzun Bağlan Öncelikli Gelişme Alanı
- Hayvancılık Öncelikli Gelişme Alanı
- Hübumat Öncelikli Gelişme Alanı
- Meyve Öncelikli Gelişme Alanı
- Doğa Odaklı Ekoturizm Alanı
- Tarım Odaklı Ekoturizm Alanı
- Organik Bitirsel Üretim Öncelikli Gelişme Alanı
- Onarı Sulama Alanı
- Yeni Bitkiler Öncelikli Gelişme Alanı
- Doğa Yürüyüşü Geçerli (DYG)

PEYZAJ KARAKTER FONKSİYONU YÖNÜNDE KONTROLLÜ KULLANILAN PEYZAJ

- 1. Öncelikli Geliştirilecek Yerleşim Peyzajı
- 2. Öncelikli Geliştirilecek Yerleşim Peyzajı
- Yerleşim Peyzajı
- Yerleşim Peyzajı Gelişme Yönü
- Yayla Peyzajı

- Kültür Odaklı Ekoturizm Alanı
- Rekreasyon Alanı
- Lümpatik Merkez 1
- Lümpatik Merkez 2
- Depotlama
- Yayla Turizmi
- Sığuk Hava Deposu
- Çiftçi Marketleri

PEYZAJ KARAKTER FONKSİYONU YÖNÜNDE GENİŞLETİLECEK YOL

PEYZAJ STATÜLERİ

- Genişletilecek Yol
- Önemli Peyzajlar
- Özel Peyzajlar

PEYZAJ ONARIM ALANLARI

- Sorunlu Alanlar

DİĞER KULLANIMLAR

- Devlet Yolu
- İl Yolu
- Asfalt Yol
- Toprak Yol
- Patika Yol
- Göl-Gölet
- Sedde
- Bağlanı Kanalı
- Besleme Kanalı
- Bogaltım Kanalı
- Drenaj Kanalı
- İletim Kanalı
- Sulama Kanalı
- Daimi Dere



T.C.
ÇEVRE VE ORMAN BAKANLIĞI
DOĞA KORUMA VE MİLLİ PARKLAR
GENEL MÜDÜRLÜĞÜ



SUĞLA GÖLÜ MEVKİ PEYZAJ YÖNETİMİ, KORUMA VE PLANLAMA PROJESİ

PEYZAJ PLANI

Proje Ölçüsü: UTM (Universal Transverse Mercator)
Datum: ED-50
Zemin Ölçüsü: 1/50.000
Çizim Ölçüsü: 1/50.000

ÖLÇEK: 1/50.000



AKS PLANLAMA MÜH. LTD. ŞTİ.
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CANKAYA/ANKARA
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FAXS: 0312 438 19 16

Landscape Management

To increase the applicability of the landscape plan, with the aim of ensuring coordination among the institutions having authority and responsibility,

Landscape management proposal was developed. In this context, Suđla Lake Basin Committee was proposed and short, medium and long term actions were described for the institutions and organizations in the committee.



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*Osman Uzun, Serap KARGIN** , Gülhan ÇETİN SÖNMEZ**

THANKS

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