

Project Update: June 2013

We have created visual tools to guide and enhance conservation management initiatives in the Gobustan. These tools include a series of current and Land Use Maps that aid rare vegetation managers. These maps we acquired from State Land Committee of Azerbaijan Republic.

The fundamental basis of this Project is Remote sensing imageries which came from Spot Image in 2.5m, 5m and 10m resolutions.

In combination with more recent data (SPOT4 satellite data from 2010 and 2012), these early images enable us to study how Study area has changed over time.



Field study & Data Collection

The field proforma recording structure contains six basic sections:

- Scientific Name of the species
- Vernacular Name of the species
- Specify species type
- Site physical features
- Descriptor
- Data type

Scientific Name	Vernacular Name	Specify species type	Site feature	Descriptor	Data type
<i>Suaeda dendroides</i>	Sea-blite, seepweed Arabic suaed, black Sea blight sp	Plant			
<i>Salsola dendroides</i>			<i>Location reference</i>	Location	Gobustan State National Park
				Date (dd-mm-year)	25-05-2013
				Country	Azerbaijan
			<i>Observer/</i>	Latitude deg.min.sec.	40°05'52.10"N

			<i>Physical</i>	(GPS) Longitude deg.min.sec. (GPS) Soil depth (mm) Soil type	49°21'59.43"E 40°04'16.21"N 49°22'26.85"E 3-5 mm Solochak
			<i>Photograph</i>	Hard copy and digital image	JPEG
<i>Alhagi pseudoalhagi</i>	Camelthorn	Plant	<i>Location reference</i>	Location	Gobustan State National Park
				Date (dd-mm-year)	25-05-2013
				Country	Azerbaijan
			<i>Observer/ Physical</i>	Latitude deg.min.sec. (GPS) Longitude deg.min.sec. (GPS) Soil depth (mm) Soil type	40°06'11.59"N 49°22'30.23"E 3-5 mm yellow brown salty and stony clays
<i>Artemisia fragrans</i>	Mugwort sp	Plant	<i>Location reference</i>	Location	Gobustan State National Park
				Date (dd-mm-year)	25-05-2013
				Country	Azerbaijan
			<i>Observer/ Physical</i>	Latitude deg.min.sec. (GPS) Longitude deg.min.sec. (GPS) Soil depth (cm) Soil type	40°03'47.29"N 49°23'57.09"E 3-5 mm yellow brown salty and stony clays
<i>Tamarix</i>	Salt cedar	Plant	<i>Location reference</i>	Location	Gobustan State National Park
				Date (dd-mm-year)	25-05-2013
				Country	Azerbaijan
			<i>Observer/ Physical</i>	Latitude deg.min.sec. (GPS) Longitude deg.min.sec. (GPS) Soil depth (mm) Soil type	40°03'30.91"N 49°23'57.4"E 40°03'30.99"N 49°22'27.54"E 3-5 mm yellow brown salty and stony clays

Using ArcGIS software, we created updated Geographical Data Base consisting of relevant spatial data.

District boundary maps, survey maps and SPOT4 satellite images, vector polygons such as geographical areas of historic site were graphical components of GIS Design and Application (Figure 1).

The Generated Land Use Map with the following layers:

- Pastures
 - Pure Pastures
 - Stony Pastures

- Lowland
- Roads
- Railroad
- Settlement
- Oil pipeline
- Gas pipeline

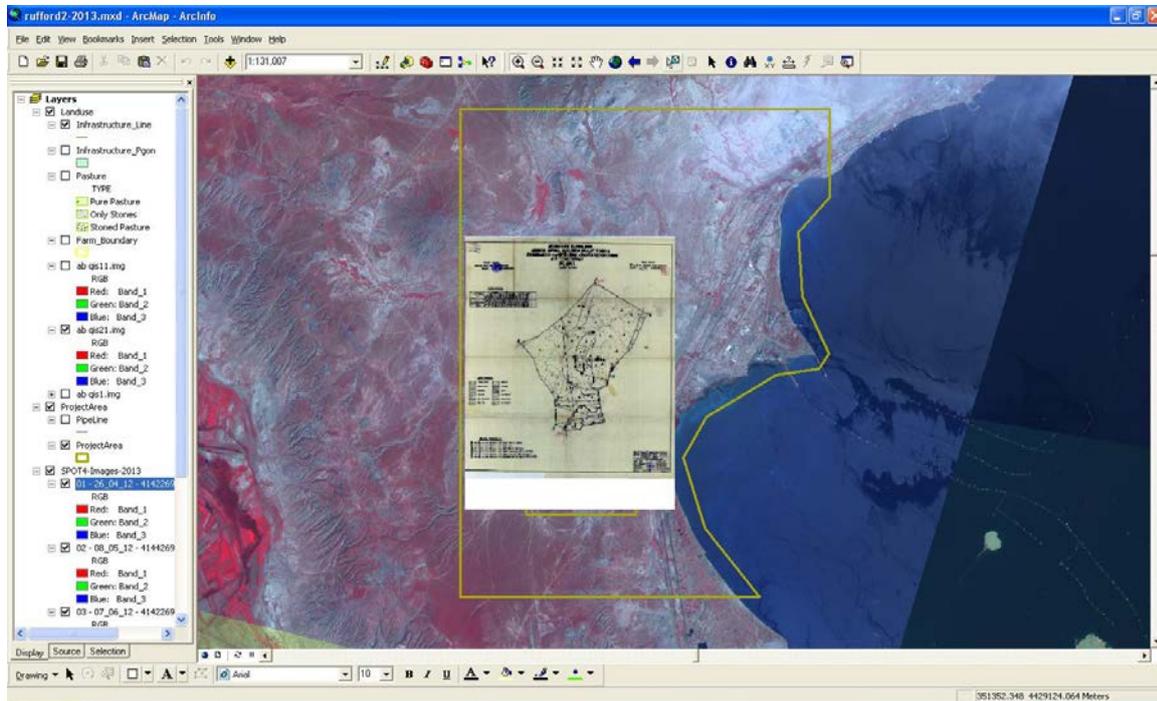


Figure 1. Geographical Data Base