Syria country report on the

Identification of Important Plant Areas (IPAs) in Syria

(Rapid Assessment)

National coordinating organization

Syrian Society for Conservation of Wild Life (**SSCW**)

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2. Introduction

2.1 Location and topography of Syria

Syria is located in the Middle East, at the eastern coast of the Mediterranean Sea, It forms an integral part of the Levant countries. Syria lies between 32˚19 to 37˚20 North latitudes and 35˚43 to 42˚25 East longitudes; it is bordered by Turkey on the north, the Mediterranean Sea, Lebanon and Palestine on the west, Iraq on the East, and Jordan on the south.

Syria has a 183 km long coast at the Mediterranean Sea, and the highest point in the country is Mount Hermon summit which culminates at 2814 m above sea level.

Syria has a total surface of 185,180 km^2 of plains, mountains, plateaus and semi-deserts. The country could be divided into the following topographical divisions:

1- Coastal plains: these narrow plains are located along the Mediterranean Sea from the Turkish borders in the north to the Lebanese borders in the south; they are sometimes intersected by promontories.

2- Coastal Mountains: A north-south mountain chain that extends from the Turkish borders to the Lebanese borders, they are separated from Lebanon Mountains by the Homs gap. These mountains have abrupt eastern slopes, and gentler western slopes, the highest point is Nabi Matta (1562) they receive the highest rainfall in Syria.

3- Orontes valley: Low valley separates the Coastal mountain chain from the parallel Eastern mountains chain. Orontes River runs through the valley and forms some bigger alluvial plains like Ghab plain.

4- Eastern mountain chain system: these mountains run parallel to the Coastal mountain chain in the north and to Lebanon Mountains in the south. From North to South this system includes Kurd Dagh Mts. Al-Wastani, then Al-Zawiyah; the southern sections of this system is formed by the Anti-Lebanon mountains, and Mount Hermon, which are the highest mountains of Syria (2814) m. This Mountain Chain receives less precipitation than the coastal mountains because of the rain shadow effect of the western chain.

5- Eastern Plateau and plains: Comprises much of the country surface from the Eastern mountain chain system to the Iraqi and Jordanian borders to the east and south, The southern parts of this area is higher than the northern plateau which tends to be smooth plains. This region is intersected some Isolated mountains and chains, The Euphrates river

crosses the north-Eastern parts of this vast plateau, The extreme northeastern plains are called Upper Jezira.

6- Isolated inner mountains: They constitute separated mountains in the vast eastern plateau, in the South stands the volcanic Jabal al-Arab massif, which receives good rains through the Galilee-Golan gap, to the north run the south Palmyrene mountain chain; which are a very dry eastern extension of the Anti-Lebanon. The North Palmyrene Mountains stand in the middle of the Eastern plateau; they receive some humid Mediterranean air through Homs Gap. to the north-east two mountains are found in the plains Jabal Bishri, and Jabal Abdul Aziz.

Areas with an altitude of 0-200 m form between 3-4 % of Syria's surface; areas between 200-600 m. cover about 60% of the country surface these are mainly located in the vast eastern plateau. Areas between 600-1000 m form about 31% of the whole surface. Finally areas above 1000 m comprise between 5-6% of Syrian territories (Abd El-Salam, 1990).

2.2 Climate

The climate of Syria is of Mediterranean type, precipitation is concentrated in cool and cols seasons of the year, and summers are hot and dry (Emberger, 1955).

Altitude, latitude, orographic shadow effects, and the distance from the Mediterranean are main factors that modify the climate of Syria. Rainy season starts in September and ends in June, Coastal mountains receives the highest rains (more than 1000 mm), while south eastern Plateau receives about (100) mm per year; as a general rule precipitation decreases from west to east and from north to south.

2.3 Bio-climatic sub-divisions:

According to the pluviothermic quotient of Emberger ($Q=2000P/M^2-m^2$)* Syria is located in the Mediterranean climate region, but the country has been divided into different bioclimatic ranges (Nahal, 1981; UNEP, 1998) which are:

Humid Mediterranean: rainfall is at least 800 mm, and Emberger quotient is more than 100; this area comprises the coastal mountains, some high peaks of the eastern mountain chain. This subdivision includes two main stages of vegetation, the lower stage where the dominant vegetation type is an evergreen forest (*Quercus infectoria*, *Quercus calliprinos*, *Pinus brutia*, *Pistacia lentiscus*, *Fraxinus ornus*). The upper stage consists of (*Quercus infectoria*, *Abies cilicica*, *Cedrus libani*, *Juniperus picea*) between 1400-2000 m. and a sub-alpine forest and meadows with (*Juniperus excelsa*) dominate the altitudes above 2000 m.

Sub-humid Mediterranean: rainfall is between 600-800 mm, and Emberger quotient is between 40-90; this area comprises the coastal plains, the middle and high altitudes of

the Eastern mountains chain system, Golan Heights, and the highest peaks of Jabal al-Arab. The main vegetation type is the degraded oak forest (*Quercus calliprinos*, *Quercus ithaburiensis*, *Pistacia palaestina*)

Semi-arid Mediterranean: rainfall is between 350-600 mm, and Q values are between 15-40 the area comprises the eastern slopes of the eastern mountain chain and the adjacent plains of Aleppo, Hama, and Homs, The isolated mountain of Jabal al-Arab, high peaks of other inner mountains, and the Upper Jezira area, this area lines the fringes of the historical Fertile Crescent. Vegetation is composed of open degraded steppic woodlands (*Pistacia atlantica*, *Crataegus sp*. *Amygdalus sp*.) With grasses (Poaceae) and legumes (Fabaceae).

Arid Mediterranean: rainfall is between 200-350 mm, Q values are between 12-15. The area comprises the western and the northern limits of the eastern plateau this area includes Jezira plains. Vegetation includes grasses (*Bromus*, *Aegilops*, *Hordeum*, and *Avena*) with many shrubs (*Astragalus*, *Salsola*, and *Artemisia*).

Saharan Mediterranean: rainfall is below 150 mm, Q values are below 12. This area includes the arid parts of the eastern plateau, in the east and the southeast of the country. Vegetation consists of perennial formations of dwarf shrubs (*Achillea*, *Anabasis*, and *Haloxylon*).

2.4 Eco-regions in Syria

According to World Wild life fund (**WWF**) designation of terrestrial eco-regions Syria lies in the Palearctic ecozone, 3 biomes are found within the country (1- Mediterranean forests, woodlands, and shrubs, 2- Temperate grasslands, savannas, and shrubs, 3- Deserts and xeric shrublands).

Eco-regions within the Mediterranean biome are 1- Southern Anatolian montane conifer and deciduous mixed forests 2- Eastern Mediterranean conifer-sclerophyllous-broadleaf forests.

The only temperate grassland eco-region is called Middle East steppe.

Finally the only eco-region that occurs within the Desert and xeric shrublands biome in Syria is the Mesopotamian shrub desert.

Mediterranean Biome in Syria corresponds more or less to the first three bioclimatic subdivision (Humid Mediterranean, sub-humid Mediterranean, and semi-arid Mediterranean).

2.5 Floristic characteristics of Syrian vegetation:

Syrian flora includes 3077 species belonging to 133 families and 919 genera (Mouterde, 1966-1983). The major part of Syrian flora elements is Mediterranean or Irano-Tauranian. Elements from other phyto-geographical regions could be found like Euro-Siberian, and Saharo-Arabian elements.

According to Zohary (1973) Syrian flora has the following features:

1- The lack of tropical plants, even in warm areas
2- Large number of forest trees find their southern limits in the country
3- The presence of sub-alpine tragacanthic flora in the higher mountain areas which has close affinity to Anatolian mountains
4- The occurrence of nival-alpine flora on the mountain peaks which has close affinity to the Euro-Siberian region.
5- Low numbers of Saharo-Arabian species are found in Syria.

2.6 Endemism in Syrian flora:

Number of endemic species in Syria reached 243 species according to studies of last centuries (Mouterde, 1966-1983)

Endemic species in Syria and Lebanon (common characteristics for flora) reached 330 species, thus, around 8% of the total flora of the two countries is endemic.

Table (1): Shows the first 9 genera and their species and endemism percentage

Ranking according to No. species	Families	Genera	No. Total Species	No. endemic Species	Percent %
1	Iridaceae	*Iris*	23	12	38
2	Fabaceae	*Astragalus*	110	31	28
3	Compositae	*Centaurea*	45	10	26.6
4	Liliaceae	*Allium*	46	12	26
5	Scrophullariaceae	*Vebrascum*	36	8	22
6	Labiatae	*Salvia*	30	4	13
7	Fabaceae	*Trifolium*	53	7	13
8	Fabaceae	*Vicia*	35	4	11
9	Euphorbiaceae	*Euphorbia*	45	5	11

Source: ***The Fourth national report on Biodiversity in the Syrian Arab Republic, May – 2009***

3. Important plant areas in Syria

General remark on the IPA questionnaires:

Syria and Lebanese flora is still unseparated and based mainly on Mouterde's "*Nouvelle flore du Liban et de la Syrie*" for this the expert group suggested to add a separate column to indicate if the assessed species is entirely endemic to Syria, or it is endemic to Syria and Lebanon flora. The second degree of endemism (Syria-Lebanon) is always more precise.

3.1

SY01

INTERNATIONAL SITE NAME:

Karatchok-Tigris

NATIONAL SITE NAME:

كراتشوك دجلة

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Al-Hasakah

ADMINISTRATIVE DISTRICT:

Al-Malikiyah

CENTRAL COORDINATES:

37.0583N 42.1992E

ALTITUDE OF SITE :

Min: 340 –Max: 775 - Mean: 550 mASL

SHORT DESCRIPTION OF THE SITE:

Karatchok-Tigris IPA represents the last remaining natural land in Upper Jezira area, which was subjected to intensive agriculture projects since the 1960s. It is a 16 km long north-west south-east low elevated mountain which touches the Iraqi borders on its southern end. The IPA includes also the nearby Tigris River for its nationally unique habitats. Tigris River forms the Syrian borders with Turkey and Iraq. The area receives good rains, therefore it is located in the semi-arid Mediterranean bioclimatic zone. The flora of this IPA has strong Irano-Taurainan affinity. A number of Upper Jezira endemics, Mesopotamian, and south Turkey endemics are found in this IPA.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened?**	**Endemic to the Mediterranean?**	**Endemic to the LEVANT**	**Endemic to SYRIA/ SYRIA and LEBANON**	**Stenoendemic/ Sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No/ don't know**
Iris caeruleo-violacea- Gombault	Don't know	Yes	Yes	SY	Yes (North Syria)	Yes
Orchis laxiflora- Lam., ssp. *dielsiana* Soô	Yes/ expert opinion	No	No	No	No	Don't know
Onobrychis nisibena -	Yes/ Expert opinion	Yes	Yes	No	No	Yes

Moût.						
Vicia tigridis - Mout	Yes/ Expert opinion	Yes	Yes	No	Yes (Tigris-Upper Jezira)	Yes
Haplophyllum chaborasium- Boiss. et Hausskn.	Don't know	Yes	Yes	SY	Yes (Upper Jezira)	Yes
Haplophyllum haussknechtii - Boiss.	Don't know	No	Yes	SY	Yes (Upper Jezira)	Yes
Euphorbia haussknechtii - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Upper Jezira)	Yes
Alcea rufescens - Boiss.	Don't know	Yes	yes	No	Yes (Upper Jezira)	Yes
Cachrys papillaris - Boiss.	Don't know	Yes	Yes	No	Yes (Upper Jezira)	Yes
Ferulago macrocarpa - (Fenzl) Boiss.	Don't know	No	Yes	No	Yes (Upper Jezira)	Yes
Convolvulus reticulatus - Choisy	Don't know	No	Yes	No	Yes (Syrian Steppe)	Yes
Echium pabotii - Mout.	Don't know	Yes	yes	SY	Yes (Upper Jezira)	Yes
Alkanna kotschyana - DC	Don't know	Yes	Yes	No	Yes (South Turkey- Upper Jezira)	Yes
Scutellaria cretacea - Boiss. et	Don't know	Yes	yes	No	Yes (Upper Jezira)	Yes

Hausskn.						
Salvia spiraeifolia - Boiss. et Hoh.	Don't know	Yes	Yes	No	Yes (South turkey-N Syria)	Yes
Salvia russellii - Banks et Sol.	Don't know	Yes	Yes	No	Yes (South Turkey-Jabal Al-Arab)	Yes
Satureia pallaryi - Thiéb	Don't know	Yes	yes	SY	Yes (Upper Jezira)	Yes
Pulicaria laniceps - Bornm.	Don't know	Yes	Yes	SY	Yes (Upper Jezira) end	Yes
Senecio delbesianus - Arènes	Yes/ Expert opinion	Yes	yes	SY	Yes (Upper Jezira)	Yes
Echinops descendent - Hand.-Mazz.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Upper Jezira)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

List the edge of range species on this site below (enlarge table as needed)

Species name and authority	**Range**
Heliotropium greuteri - Riedl	Southern edge
Anthemis austriaca - Jacq.	southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Upper Jazira steppes	No
Mesopotamia Riparian Habitat	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE

No Protected Areas are located within this IPA.

3.2

SY02

INTERNATIONAL SITE NAME:

Kurd Dag

NATIONAL SITE NAME:

جبل الأكراد

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Aleppo

ADMINISTRATIVE DISTRICT:

Afrin

CENTRAL COORDINATES:

36.6369N 36.7535E

ALTITUDE OF SITE :

Min: 160 –Max: 1230- Mean: 630 mASL

SHORT DESCRIPTION OF THE SITE:

Kurd Dag is a moderately elevated range which occupies the north-western corner of the country; it is the southernmost continuation of Taurus Mountains in Syria and forms a sort of a parallel ridge to Amanus Mountains in Hatay province of Turkey. It has a 50 km north-east south-west extension; with a medium width of 20 km. this mountain ridge culminates at *Kutchuk Darmik* (1230) m. Sub-humid to semi-arid Mediterranean bioclimatic conditions prevail over the site. Botanically it is an important endemic plants center of the northern Levant along with neighbouring Gaziantep province of Turkey where many sub-national endemics and narrow endemics are limited to this calcareous massif.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ?**	**Endemic to the Mediterranean ?**	**Endemic to the LEVANT**	**Endemic to SYRIA/ SYRIA and LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No / don't know**
Pilgerochloa blanche- Boiss	Don't know	Yes	Yes	SY-LB	No	Yes
Biarum aleppicum - Thiébaut	Don't know	Yes	Yes	SY	No	Yes
Biarum russellianum - Schott	Yes/ Expert opinion	Yes	Yes	SY	Yes (Aleppo region)	Yes
Colchicum decaisnei - Boiss	Don't know	yes	Yes	No	No	Yes
Monocaryum fasciculare - Roem. et Sch.	Yes/ Expert opinion	Yes	Yes	SY	No	Don't know
Allium noëanum - Reuter	Yes/ expert opinion	Yes	Yes	No	No	Yes
Sternbergia pulchella - Boiss.	Yes/ Expert opinion	yes	Yes	No	Yes (Aleppo region	Yes

Crocus dispathaceus - Bowles	Yes/Expert opinion	Yes	Yes	SY	Yes (Aleppo region	Yes
Iris sindjarensis- Boiss et Hausskn	Yes/Expert opinion	No	No	No	No	Yes
Iris calcarea- Dinms.	Yes/Expert opinion	Yes	Yes	SY	Yes	Yes
Iris fumosa- Bois.	Yes	Yes	Yes	SY	Yes	Yes
Iris caeruleo-violacea- Gombault	Yes/ Expert opinion	Yes	Yes	SY	Yes	Yes
Ophrys attica - (Boiss. et Orph.) Soo	Yes/ expert opinion	Yes	No	No	No	Yes
Ophrys argolica - Fleischm.	Yes/ Expert opinion	Yes	No	no	No	Yes
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	No
Himantoglossum affine -Boiss. Schlecht.	Yes/ Expert opinion	Yes	No	No	No	Yes
Polygonum cedrorum - Boiss. et Ky	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Vaccaria liniflora- Boiss. et Hausskn.	Don't know	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Gypsophila venusta - Fenzl	Don't know	Yes	Yes	No	No	Yes

Delphinium virgatum - Poir.	No	Yes	Yes	SY	No	Yes
Consolida hellespontica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Ranunculus millefolius - Banks et Sol.	No	Yes	Yes	No	Yes (Amanus-Kurd Dag)	Yes
Aethionema syriacum -Boiss.	No	Yes	Yes	No	No	Yes
Hesperis pulmonarioides - Boiss.	No	Yes	Yes	No	No	Yes
Trigonella strangulata - Boiss.	Don't know	Yes	yes	SY-LB	No	Yes
Trifolium haussknechtii - Boiss.	No	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Trifolium eriosphaerum - Boiss.	No	Yes	Yes	No	No	Yes
Psoralea jaubertiana - Fenzl	Yes/ Expert opinion	yes	Yes	No	yes (Southern Turkey)	Yes
Astragalus neurocarpus - Boiss.	No	yes	Yes	No	No	Yes
Astragalus brachystachys - D.C.	No	yes	Yes	No	No	Yes
Astragalus darmikii -Mout	Yes/ Expert	Yes	Yes	SY	Yes (Kurd Dag)	Yes

	opinion					
Astragalus antabicus - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Astragalus dipodurus - Bunge	Yes/ Expert opinion	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Astragalus oxyphyllus - Boiss.	Yes/ Expert opinion	Yes	yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Astragalus louisii -Thiébaut	Yes/ Expert opinion	Yes	Yes	SY	Yes (Aleppo)	Yes
Astragalus qatmensis - Thiéb.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Aleppo)	Yes
Astragalus nucleiferus - Boiss.	Don't know	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Onobrychis aurantiaca - Boiss.	Don't know	Yes	Yes	No	Yes (Antakya region)	Yes
Cicer bijugum - Rech. fil.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Kurd Dag)	Yes
Vicia qatmensis - Gomb.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Kurd Dag)	Yes
Euphorbia fistulosa - M.S. Khan	Yes/ Expert opinion	Yes	Yes	No	yes (Southern Turkey)	Yes
Alcea leiocarpa - Sam. ex Rech.	Yes/ Expert	Yes	Yes	SY	Yes (Kurd Dag)	Yes

fi.	opinion					
Cyclotaxis turgida - Boiss. Diagn.	Yes/ Expert opinion	Yes	Yes	No	Yes (Cilicia)	Yes
Daucus aleppicus - Thiéb.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Aleppo)	Yes
Heptaptera anisoptera - (D.C.) Tutin.	No	Yes	Yes	No	No	Yes
Tordylium hasselquistiae - D.C.	Don't know	Yes	Yes	No	Yes (Amanus-Kurd Dag)	Yes
Onosma cinerea - Schreb.	Don't know	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Onosma gigantea - Lam.	Don't know	Yes	Yes	No	No	Yes
Teucrium multicaule - Montbr. et Auch.	Don't know	Yes	Yes	No	Yes (Southern Turkey- N Syria)	Don't know
Teucrium paederotoides - Boiss. et Hausskn.	Don't know	Yes	Yes	No	Yes (Southern Turkey- N Syria)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Phacelurus digitatus- Sibth et Sm.	Northern edge

Poa sterilis - M.B.	Southern edge
Loranthus europaeus - L.	Southern edge
Fraxinus excelsior - L.	Southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Eumediterranean shrubs on calcareous rocks	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

List the threats that are active at this site

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction minerals (quarries)	
Construction impact of	

dyke/dam/barrier	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area located within this IPA

3.3

SY03

INTERNATIONAL SITE NAME:

Jabal Abdul Aziz

NATIONAL SITE NAME:

جبل عبد العزيز

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Al-Hasaka

ADMINISTRATIVE DISTRICT:

Al-Hasaka

CENTRAL COORDINATES:

36.4103N 40.3234E

ALTITUDE OF SITE :

Min: 355 –Max: 920 - Mean: 650 mASL

SHORT DESCRIPTION OF THE SITE:

An elongated mountain range in Jezira steppes, this 60 km east-west directed mountain has very steep quasi-linear northern slopes with high cliffs, while the southern slopes are gentler. The range culminates at *Marqab 'Ali* (920) m. Numerous small *wadis* drain the ridge, on the northern slopes these foregather and form gulches breaking through the steep cliffs. The IPA lies between the semi-arid, and the arid Mediterranean bioclimatic zones. The main vegetation type of this IPA is the open shrubby woodland dominated by *Pistacia atlantica* and *Pistacia khinjuk. S*ome localized endemics, along with the much larger area (Upper Jezira) endemics are found in this site.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA and LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No/ don't know**
Allium karyateini - Post	Don't know	No	Yes	SY	No	Yes
Allium desertisyriaci - Feinbr.	No	No	Yes	SY	No	Yes
Allium chrysantherum - Boiss. et Reuter	Yes/ expert opinion	Yes	Yes	SY	Yes (Upper Jezira)	Yes
Allium noëanum - Reuter	Yes/ expert opinion	Yes	Yes	No	No	Yes
Crocus macrobolbos - Jovet	Yes/ Expert opinion	No	Yes	SY	No	Yes
Iris caeruleoviolacea- Gombault	Don't know	Yes	Yes	SY	Yes (North Syria)	Don't know
Celtis tournefortii - Lam.	Yes/ Expert opinion	Yes	No	No	No	No

Ranunculus millefolius - Banks et Sol.	No	Yes	Yes	No	Yes (Amanus-Kurd Dag)	No
Papaver glaucum - Boiss. et Hausskn.	Yes/ Expert opinion	No	No	No	No	Yes
Brassica assyriaca -Mt	Yes/ Expert opinion	Yes	Yes	SY	Yes (J Abdul Aziz)	Yes
Crambe glaberrima - Bornm. n. comb.	Don't know	No	Yes	SY	Yes (Upper Jezira)	Yes
Crambe alutacea - Handel-Mazzetti	No	No	Yes	No	Yes (Upper Jezira)	Yes
Erysimum tenellum -D.C	Don't know	No	Yes	No	Yes (Mardin-Upper Jezira)	Yes
Amygdalus orientalis - Mill.	Yes/ Expert opinion	Yes	No	No	No	No
Crataegus aronia - (L.) DC.	Yes/ Expert opinion	No	No	No	No	No
Poterium gaillardoti - Boiss.	Don't know	Yes	Yes	No	No	Yes
Astragalus megaloceras - Sam. et Eig	Don't know	No	Yes	SY	No	Yes
Astragalus gossypinoides	Yes/ Expert	No	No	No	Yes (Upper Jezira)	Yes - only

- Handel-Mazzetti	opinion					site
Astragalus chlorostegius - Boiss.	Don't know	No	Yes	SY	No	Yes
Andrachne telephioides - L.	Yes/ Expert opinion	No	No	No	No	Yes
Onobrychis pinnata- Bertol.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Linum chaborasicum -Mout	Yes/ Expert opinion	No	Yes	SY	yes (Jabal Abdul-Aziz)	Yes
Haplophyllum chaborasium- Boiss. et Hausskn.	Don't know	Yes	Yes	SY	Yes (Upper Jezira)	Yes
Pistacia atlantica - *Desf.*	Yes/ Expert opinion	No	No	No	No	No
Pistacia khinjuk - Stocks	Yes/ Expert opinion	No	No	No	No	Yes
Euphorbia chaborasica - Gombault	Don't know	No	yes	No	Yes (Upper Jezira)	Yes
Alcea rufescens - Boiss.	Don't know	Yes	yes	No	Yes (Upper Jezira)	Yes
Alcea chrysantha- (Sam.) Zoh.	Yes/ Expert opinion	No	Don't know	No	No	Don't know

Hypericum retusum - Auch	Don't know	Yes	Yes	No	Yes (Upper Jezira -South turkey end)	Yes
Bupleurum aleppicum - Boiss.	Don't know	Yes	Yes	No	Yes (South Turkey- Upper Jezira)	Yes
Hyoscyamus reticulatus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Convolvulus reticulatus - Choisy	Don't know	No	Yes	No	Yes (Syrian Steppe)	Don't know
Alkanna kotschyana - DC	Don't know	Yes	Yes	No	Yes (South Turkey- Upper Jezira) end	Yes
Teucrium multicaule - Montbr. et Auch.	Don't know	Yes	Yes	No	Yes (Southern Turkey- N Syria)	Yes
Scutellaria cretacea - Boiss. et Hausskn.	Don't know	Yes	yes	No	Yes (Upper Jezira)	Yes
Sideritis microchlamys - (Hand.-Mazz.) Bornm.	Don't know	Yes	Yes	No	Yes (Upper Jezira)	Yes
Satureia pallaryi - Thiéb	Don't know	Yes	yes	SY	Yes (Upper Jezira)	Yes
Ziziphora 'Abd-el-Asisii - Hand.-Mazz.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Abdul-Aziz) localized	Yes
Michauxia	Yes/	No	No	No	Yes (Upper	Yes-the

nuda - DC.	Expert opinion				Jezira)	only
Echinops descendent - Hand.-Mazz.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Upper Jezira)	Yes
Jurinea mesopotamica - Hand.-Mazz.	Don't know	No	yes	No	Yes (Upper Jezira)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Pistacia atlantica open woodlands	No
Pistacia khinjuk open woodlands	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	

Collection of herbs and medicinal plants	
Gathering wood for cooking and heating	
Extraction (minerals (quarries)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area with Management Plan covers about 60 % of the site.

3.4

SY04

SITE NAME:

Jabal al Wastani

SITE NAME:

جبل الوسطاني

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Idlib

ADMINISTRATIVE DISTRICT:

Harem.

Jisr al Shoghur.

CENTRAL COORDINATES:

36.0077N 36.4412E

ALTITUDE OF SITE :

Min: 105 –Max: 847 - Mean: 440 mASL

SHORT DESCRIPTION OF THE SITE:

An elongated north-south mountainous chain extends over a distance of 45 km, it has an average width of 5 km. It is composed of three successive mountains, the northern one is called *Doueili*, the middle mountain *Mrasras*, the southern mountain is *Wastani*. This range culminates at *Hanash* (847) m. and it is characterized by sheer and steep eastern towards *Rouj* plain and gentler slopes towards Orontes river. This area is a part of the semi-arid Mediterranean bioclimatic zone. The main vegetation type is the typical Eumediterranean woodland dominated by *Quercus calliprinos*. 2 narrow endemic species are just found in this place, many Kurd Dag and Antioch region endemics are also present.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No / don't know**
Ophrys fusca - Link	Yes/ expert opinion	Yes	No	No	No	Yes
Ophrys iricolor - Desf.	Yes/Expert opinion	Yes	No	No	No	Yes
Ophrys fuciflora - (Crantz) Haller	Yes/ expert opinion	No	No	No	No	Yes
Ophrys attica - (Boiss. et Orph.) Soo	Yes/ expert opinion	Yes	No	No	No	No
Ophrys argolica - Fleischm.	Yes/ Expert opinion	Yes	No	no	No	Yes
Orchis papilionacea - L.	Yes/ Expert opinion	No	No	No	No	Yes
Himantoglossum affine -Boiss.	Yes/ Expert	Yes	No	No	No	Don't know

Schlecht.	opinion					
Eminium spiculatum - Blume	Don't know	No	Yes	No	No	Yes
Biarum aleppicum - Thiébaut	Don't know	Yes	Yes	SY	No	Yes
Colchicum decaisnei - Boiss	Don't know	yes	Yes	No	No	Yes
Ornithogalum fucescens - Boiss. et Gaill.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Allium opacum - Rech.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Wastani)	Yes
Iris fumosa- Bois.	Yes	Yes	Yes	SY	Yes (Aleppo region)	Yes
Iris calcarea- Dinms.	Yes/Expert opinion	Yes	Yes	SY	Yes (Kurd Dag- Wastani)	Yes
Vaccaria liniflora- Boiss. et Hausskn.	Don't know	Yes	Yes	No	Yes (Kurd Dag- Gaziantep)	Yes
Delphinium virgatum - Poir.	No	Yes	Yes	SY	No	Yes
Ranunculus millefolius - Banks et Sol.	No	Yes	Yes	No	Yes (Amanus- Kurd Dag)	Yes
Amygdalus orientalis - Mill.	Yes/ Expert opinion	Yes	No	No	No	Yes

Pirus syriaca - Boiss.	Yes/ Expert opinion	Yes	yes	No	No	No
Trifolium haussknechtii - Boiss.	No	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Astragalus neurocarpus - Boiss.	No	yes	Yes	No	No	Yes
Astragalus brachystachys - D.C.	No	yes	Yes	No	No	No
Astragalus lepidanthus - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Astragalus antiochianus - Post	Yes/ Expert opinion	Yes	Yes	No	Yes (Antakya region)	Yes
Astragalus delbesii - Eig	Don't know	Yes	Yes	No	Yes (Antkaya Amanus)	Yes
Astragalus griseo-sericeus - Eig	Yes/ Expert opinion	Yes	Yes	SY	Yes (Alwastani)	Yes
Astragalus nucleiferus - Boiss.	Don't know	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Alcea damascena - Moût	Don't know	Yes	Yes	SY-LB	No	Yes
Alcea leiocarpa - Sam. ex Rech. fi.)	Yes/ Expert opinion	Yes	Yes	SY	Yes (Kurd Dag)	Yes

Alcea kurdica - Schlecht.	No	Yes	Yes	No	No	Yes
Cachrys goniocarpa - Boiss.	No	Yes	Yes	No	Yes (North-Syria, Jabal al-Arab)	Yes
Johrenia dichotoma - D.C.	Don't know	Yes	Yes	No	No	Yes
Tordylium hasselquistiae - D.C.	Don't know	Yes	Yes	No	Yes (Amanus-Kurd Dag)	Yes
Olea europaea - L.	yes/ Expert opinion	Yes	No	No	No	Yes
Heliotropium myosotoides - Banks et Sol.	No	Yes	Yes	No	No	No
Onosma roussaei - DC.	Don't know	Yes	Yes	No	No	Yes
Anchusa tiberiadis - Post	Don't know	Yes	Yes	SY	Yes (Aleppo-Tiberias)	Yes
Ajuga laevigata - Boiss.	No	Yes	Yes	No	Yes (South Turkey)	Yes
Teucrium haradjianii - Briq. ex Rech. fil.	Don't know	Yes	Yes	SY	Yes (Kurd Dag-Wastani)	Yes
Nepeta curviflora - Boiss.	No	Yes	Yes	No	No	Yes
Stachys rupestris - Montb. et	Don't know	Yes	Yes	No	Yes (South-Turkey)	Yes

Auch.						
Ziziphora acutifolia - Montb. et Auch.	Don't know	Yes	Yes	No	Yes (South turkey-N Syria)	Yes
Verbascum cedreti - Boiss.	No	Yes	Yes	No	No	Yes
Verbascum leptostachyum - DC.	No	yes	Yes	SY-LB	No	No
Scrophularia scariosa - Boiss.	No	yes	Yes	No	Yes (South turkey- N Syria)	Yes
Tracheliopsis postii - (Boiss.) Buser	Don't know	Yes	Yes	No	Yes (Amanus-Kurd Dag)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES /NO

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Eumediterranean shrubs on calcareous rocks	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction minerals (quarries)	
Development recreation/tourism	
Development (Urbanisation)	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE

No Protected Areas are located within this IPA

3.5

SY05

INTERNATIONAL SITE NAME:

Hass-Jabbul

NATIONAL SITE NAME:

الحص والجبول

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Aleppo

ADMINISTRATIVE DISTRICT:

Al-Safirah

CENTRAL COORDINATES:

35.9570N 37.5696E

ALTITUDE OF SITE :

Min: 310 –Max: 600 - Mean: 380 mASL

SHORT DESCRIPTION OF THE SITE:

Jabbul Lake is a large shallow saline to brackish lake in northern Syria with a depth ranging between (60-160) cm; it occupies a closed depression of 40 km long and about 10 km wide, and it is fed by the streams and wadis originating from the adjacent Jabal Hass to the west, and also from the surplus waters from irrigation projects to the east of the lake. Jabal Hass is a low elevated plateau that surrounds the lake from the western and southern side. This entire region is located in the arid-mediterranean bioclimatic zone. The lake is a perfect site for its saline to brackish marsh habitats, while Jabal Hass holds some Aleppo region endemics.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the Levant**	**Endemic to SYRIA / SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No**

						/ don't know
Nothoiaena vellea - (Ait.) R. Br.	Yes/ Expert opinion	No	No	No	No	Yes
Stipa barbata - Desf.	Yes/ Expert opinion	No	No	No	No	Yes
Tulipa aleppensis - Regel	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Bellevalia densiflora - Boiss.	Don't know	Yes	Yes	SY	No	Yes
Allium hierochuntinum- Boiss.	No	Yes	Yes	No	No	Yes
Allium noëanum - Reuter	Yes/ expert opinion	Yes	Yes	No	No	Yes
Iris fumosa- Bois.	Yes	Yes	Yes	SY	Yes (Aleppo region)	Yes
Iris caeruleo-violacea- Gombault	No	Yes	Yes	SY	Yes (North Syria)	Yes
Polygonum argyrocoleum - Steud.	Yes/ Expert opinion	No	No	No	No	Yes
Halopeplis amplexicaulis - (Vahl) Ung.-Sternb.	Yes/ Expert opinion	No	No	No	No	Yes
Carrichtera annua - (L.)	Yes/ Expert	No	No	No	No	Yes

Asch.	opinion					
Chorispora syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Prunus prostrata- Lab.	Yes/ Expert opinion	No	No	No	No	Yes
Astragalus dorcoceras - Bunge	Yes/ Expert opinion	Yes	Yes	SY	Yes (Aleppo)	Yes
Astragalus chlorostegius - Boiss.	Don't know	No	Yes	SY	No	Yes
Astragalus mitchellii - Post.	Don't know	Yes	Yes	SY	Yes (Aleppo-Hama)	Yes
Pistacia atlantica - *Desf.*	Yes/ Expert opinion	No	No	No	No	No
Pistacia khinjuk - Stocks	Yes/ Expert opinion	No	No	No	No	Yes
Eryngium desertorum - Zohary	Don't know	Yes	Yes	No	No	Yes
Teucrium multicaule - Montbr. et Auch.	Don't know	Yes	Yes	No	Yes (Southern Turkey- N Syria)	Don't know
Marrubium cuneatum - Banks et Sol.	Don't know	yes	yes	SY-LB	No	Yes
Lamium adoxifolium - Handel-	Yes/ Expert opinion	Yes	Yes	SY	Yes (Aleppo region)	Yes

Mazzetti.						
Verbascum tropidocarpum -Murb.	Don't know	Yes	Yes	SY	Yes (Sub-arid S. Steppe)	Yes
Verbascum aliciae -Post	Don't know	Yes	Yes	SY-LB	No	Yes
Cousinia aleppica - Boiss.	Don't know	Yes	Yes	No	Yes (South turkey- N Syria)	Yes
Thymus syriacus - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Serratula pusilla - (Lab.) Dittrich	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Centaurea blancheana - Mouterde	Don't know	Yes	Yes	SY	Yes	Yes
Cichorium pumilum - Jacq.	Yes/ Expert opinion	Yes	No	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to	**Is this habitat also threatened across the whole**

Experts opinion)	Mediterranean (yes /no)
Saline wetlands in the Syrian steppes	No
Pistacia atlantica open woodlands	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Agricultural intensification/ livestock/grazing	
Water (extraction/ Drainage/ canalisation/Management system)	
Development (industry)	Industrial waste water and irrigation drainage had changed the salt lake ecosystem into fresh water ecosystem
Salt extraction	It was historically knows as a fine type of salt but lately its is considered as not consumable
Development recreation/tourism	New touristic projects are taking place intensively
Unsustainable Plant Exploitation	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Jabbul Lake is an important RAMSAR site in the Middle East, it is declared as a wetland protected area.

3.6

SY06

INTERNATIONAL SITE NAME:

Jisr al Shoghur

NATIONAL SITE NAME:

جسر الشغور

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Idlib.

ADMINISTRATIVE DISTRICT:

Jisr al Shoghur

CENTRAL COORDINATES:

35.8649N 36.2415E

ALTITUDE OF SITE :

Min: 133 –Max: 840 - Mean: 420 mASL

SHORT DESCRIPTION OF THE SITE:

Jisr al Shoghur is the wooded hinterland of Baer-Bassit massif; it lies at the left side of Orontes River. It is a slightly elevated area at the northern foothills of the Coastal Mountains, and Baer-Bassit massif. This site lies to the northwest of *Jisr al Shoghur* town. The altitude range of the region is between (150-850) meters, and it is located in the humid-mediterranean bioclimatic zone. Many Antioch region and Amanus endemics are found within this IPA.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened ? and) category if known	Endemic to the Mediterranean ?	Endemic to the Levant	Endemic to a SYRIA/ SYRIA-LEBANON	Stenoendemic / sub national endemic	Is this one of the five best sites for this species in your country ? Yes/No/ don't know
Dryopteris libanotica - (Ros.) A. Christensen.	Yes/Expert opinion	Yes	Yes	No	No	Yes
Potamogeton lucens- L.	Yes/ Expert opinion	No	No	No	No	Yes
Colchicum decaisnei - Boiss	Don't know	yes	Yes	No	No	Yes
Tulipa praecox - Ten.	Yes/ Expert opinion	No	No	No	No	Yes
Hyacinthus orientalis - L.	Yes/ Expert opinion	Yes	No	No	No	Yes
Iris histrio - Reichb.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Ophrys argolica - Fleischm.	Yes/ Expert opinion	Yes	No	No	No	Yes
Orchis romana -	Yes/ Expert	Yes	No	No	No	Yes

Seb. et Mauri ssp. *libatontica*	opinion					
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Celtis tournefortii - Lam.	Yes/ Expert opinion	Yes	No	No	No	Yes
Vaccaria liniflora- Boiss. et Hausskn.	Don't know	Yes	Yes	No	Yes (Kurd Dag-Gaziantep)	Yes
Dianthus actinopetalus - Fenzl	Yes/ Expert opinion	Yes	No	No	No	Yes
Amygdalus orientalis - Mill.	Yes/ Expert opinion	Yes	No	No	No	Yes
Ranunculus millefolius - Banks et Sol.	No	Yes	Yes	No	Yes (Amanus-Kurd Dag)	Yes
Ranunculus asiaticus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Alyssum crenulatum - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Gonocytisus pterocladus - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Trifolium cassium - Boiss.	Yes/ Expert opinion	Yes	No	No	Yes (Amanus)	Yes

Astragalus antiochianus - Post	Yes/ Expert opinion	Yes	Yes	No	Yes (Antakya region)	Yes
Asiragalus schizopterus - Boiss.	Don't know	Yes	Yes	No	No	Yes
Glycyrrhiza flavescens - Boiss.	No	Yes	Yes	No	Yes (Amanus)	Yes
Onobrychis aurantiaca - Boiss.	Don't know	Yes	Yes	No	Yes (Antakya region)	Yes
Hypericum cardiophyllum - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Antakya region)	Yes
Cachrys goniocarpa - Boiss.	No	Yes	yes	No	Yes (North-Syria, Jabal Al-Arab)	Yes
Johrenia dichotoma - D.C.	Don't know	Yes	Yes	No	No	Yes
Tordylium hasselquistiae - D.C.	Don't know	yes	Yes	No	Yes (Amanus-kurd Dag)	Yes
Alkanna confusa - Sam. ex Rech. fil.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Phlomis bailanica - Vierh.	Don't know	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Verbascum tripolitanum - Boiss.	No	Yes	Yes	No	No	Yes

Veronica leiocarpa - Boiss.	No	Yes	Yes	SY-LB	No	Yes
Cephalaria amana - Rech. f.	Don't know	Yes	Yes	No	Yes (Antakya region)	Yes
Tracheliopsis postii - (Boiss.) Buser	Don't know	Yes	Yes	No	Yes (Amanus-kurd Dag)	Yes
Anthemis halophila - Boiss. et Bal.	Don't know	Yes	Yes	No	Yes (Antakya region)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Eumediterranean shrubs on calcareous rocks	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Agricultural expansion and intensification	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development (Urbanisation)	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area located within the IPA area.

3.7

SY07

INTERNATIONAL SITE NAME:

Fronloq- Kasab

NATIONAL SITE NAME:

فرنلق كسب

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Latakia

ADMINISTRATIVE DISTRICT:

Latakia

CENTRAL COORDINATES:

35.8447N, 36.0069E

ALTITUDE OF SITE :

Min: 210 –Max: 845 - Mean: 440 mASL

SHORT DESCRIPTION OF THE SITE:

Fronloq-Kasab IPA is a mountainous area of northwestern Syria which comprises the majority of Baer region, an integral part of Baer-Bassit massif which is the southernmost extension of Amanus Mountains. It lies completely in the humid Mediterranean bioclimatic zone, with an annual precipitation around 1100 mm. This IPA is characterized by the high occurrence of Euro-Siberian plant species which find their southern limits within the site. The degree of endemism is high also, with Amanus and Coastal Mountains endemics. Many nationally threatened species could be found also in Fronloq-Kasab IPA, most notably *Quercus microphylla* and *Quercus cerris Var. pseudocerris*.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the LEVANT**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic / sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No/ don't know**
Notholaena marantae- L.	Yes/ Expert	No	No	No	No	Yes

	opinion					
Dryopteris libanotica- Ros	Yes/Expert opinion	Yes	Yes	No	No	Yes
Bromus bikfayensis - A. Cam.	Don't know	Yes	Yes	No	No	Yes
Colchicum balansae - Planch	Yes/ Expert opinion	yes	Yes	No	Yes (Taurus-Amanus)	Yes
Colchicum byzantinum- Park.	Yes/ Expert opinion	Yes	Yes	No	Yes (Taurus-Amanus)	Yes
Asphodeline globifera - J. Gay	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus-Cappadocia)	Yes
Tulipa praecox - Ten.	Yes/ Expert opinion	No	No	No	No	Yes
Fritillaria elwesii - Boiss	Yes/ Expert opinion	Yes	No	No	No	Yes
Fritillaria acmopetala - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Fritillaria alfredae - Post	Yes/ Expert opinion	Yes	yes	No	Yes (Amanus-Lebanon Mts.)	Yes
Ornithogalum densum -Boiss.	Don't know	Yes	Yes	No	No	Yes

et Bl.						
Allium calyptratum - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes (The only)
Allium emarginatum - Rech.	Don't know	Yes	Yes	SY-LB	No	Yes
Allium bassitense - Thiéb.	Yes / expert opinion	Yes	Yes	SY	Yes (Bassit)	Yes
Iris histrio - Reichb.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Limodorum abortivum- L.	Yes/ expert opinion	No	No	No	No	Yes
Cephalanthera longifolia - (Huds.) Fritsch	Yes/ expert opinion	No	No	No	No	Yes
Cephalanthera damasonium - Mill. Druce	Yes/ Expert opinion	No	No	No	No	Yes
Epipactis latifolia - (L.) AU.	Yes/ expert opinion	No	No	No	No	Yes
Ophrys fuciflora - (Crantz) Haller	Yes/ expert opinion	No	No	No	No	Yes
Orchis morio- L. ssp. *picta* (Loisel.) Reichb.	Yes/ expert opinion	Yes	Yes	No	No	Yes

Orchis tridentata - Scop.	Yes/ expert opinion	No	No	No	No	Yes
Orchis simia - Lam.	Yes/ expert opinion	No	No	No	No	Yes
Orchis italica - Poiret	Yes/ expert opinion	No	No	No	No	Yes
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Anacamptis pyramidalis - (L.) L.C. Rich.	Yes/ expert opinion	No	No	No	No	Yes
Platanthera chlorantha- (Custer) Reichb.	Yes/ Expert opinion	No	No	No	No	Yes
Serapias vomeracea - (Burm.) Briquet	Yes/ expert opinion	No	No	No	No	Yes
Salix libani - Bornm.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Alnus orientalis -Decne	Yes/ Expert opinion	No	No	No	No	Yes
Ostrya carpinifolia - Scop.	Yes/ Expert opinion	No	No	No	No	No
Quercus cerris - L. Var. *pseudocerris*	Yes/ Expert opinion	Yes	yes	No	Yes (Amanus-Coastal Mts.)	Yes

(Boiss.) Boiss.						
Quercus microphylla - (Ky) Thiébaut	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Silene cassia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Silene pruinosa - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Silene amana - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Silene confertiflora - Chowdhuri	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Tunica syriaca -Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Antakya region)	Yes (The only)
Helleborus vesicarius - Auch	No	Yes	Yes	No	Yes (Amanus)	Yes
Alyssum cassium -Boiss.	Yes / expert opinion	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Alyssum crenulatum - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Rosularia pestalozzae - Boiss. Sam.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Prunus ursina - Ky.	Don't know	Yes	Yes	No	No	Yes

Cytisus drepanolobus - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Cytisus cassius -Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Fronloq)	Yes
Trifolium cassium - Boiss.	Yes/ Expert opinion	Yes	No	No	Yes (Amanus)	Yes
Trifolium aintabense - Boiss. et Hausskn.	Don't know	Yes	yes	No	Yes (Gaziantep-Coastal Mts.)	Yes
Glycyrrhiza flavescens - Boiss.	No	Yes	Yes	No	Yes (Amanus)	Yes
Vicia cassia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Lathyrus stenolobus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Amanus)	Yes
Lathyrus cassius -Boiss.	No	Yes	Yes	No	Yes (Levant coast)	Yes
Lathyrus libani -Fritsch.	Don't know	Yes	Yes	SY-LB	Yes (Coastal Mts.-Lebanon)	Yes
Buxus longifolia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Euphorbia macrostegia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Euphorbia biglandulosa -	Yes/ Expert	Yes	No	No	No	Yes

Desf.	opinion					
Hypericum pallens - Banks et Sol.	Don't know	Yes	Yes	No	No	Yes
Eryngium bithynicum - Boiss.	Yes/ Expert opinion	Yes	No	No	Yes (Taurus)	Yes
Bupleurum libanoticum - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Coastal Mts.- Lebanon)	Yes
Ferulago autumnalis - Thiéb.	Don't know	Yes	Yes	No	Yes (Gaziantep-Kurd dag)	Yes
Ferulago cassia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Ferulago amani - Post	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus) Localized	Yes
Johrenia porteri - Post.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Johrenia dichotoma - D.C.	Don't know	Yes	Yes	No	No	Yes
Cornus australis - C.A. Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Fraxinus ornus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Laserpitium glaucum -	Don't know	Yes	yes	No	Yes (Amanus-	Yes

Post					Maras)	
Onosma cassia - Boiss.	Don't know	Yes	Yes	SY	Yes (Amanus)	Yes
Onosma gigantea - Lam.	Don't know	Yes	Yes	No	No	Yes
Prunella orientalis - Bornm.	No	Yes	Yes	No	No	Yes
Phlomis cordata - Boiss. et Ky	Don't know	yes	Yes	No	Yes (Amanus)	Yes
Phlomis chrysophylla - Boiss.	No	Yes	Yes	No	No	Yes
Stachys viticina -Boiss.	Don't know	Yes	Yes	No	No	Yes
Stachys diversifolia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Stachys pumila - Banks et Sol.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Stachys petrokosmos - Rech. fil.	Yes/Expert opinion	Yes	Yes	SY	Yes (Amanus)	Yes
Salvia aramiensis - Rech. fil.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Calamintha betulifolia - Boiss. et Bal.	Don't know	Yes	Yes	No	No	Yes

Thymus cilicicus - Boiss. et Bal.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Verbascum pinetorum - (Boiss.) O. Kuntze	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Verbascum scaposum - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Verbascum infidelium - Boiss. et Hausskn.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Verbascum gaillardotii - Boiss.	No	Yes	Yes	No	No	Yes
Verbascum antiochium - Boiss.	Don't know	Yes	Yes	No	No	Yes
Veronica leiocarpa - Boiss.	No	Yes	Yes	SY-LB	No	Yes
Digitalis ferruginea - L.	Yes/ Expert opinion	No	No	No	No	Yes
Asperula bargyli - Gombault.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Galium libanoticum - Ehrendorfer.	No	Yes	Yes	No	No	Yes
Galium bassitense -	Don't know	Yes	Yes	No	Yes (Antakya region)	Yes

Thiéb.						
Galium cassium - Boiss.	No	Yes	yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Cephalaria amana - Rech. f.	Don't know	Yes	yes	No	Yes (Antakya region)	Yes
Centaurea cassia - Boiss.	Don't know	Yes	yes	No	Yes (Amanus-Coastal Mts.)	Yes
Centaurea arifolia -Boiss.	Don't know	Yes	Yes	No	Yes(Amanus)	Yes
Centaurea ptosimopappa - Hayek	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Scorzonera kotschyi - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Kurd Dag)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Poa chaixii - Vill.	Southern edge
Smilax excelsa- L.	Southern edge
Iberis sempervirens - L.	Southern edge
Iberis taurica - Boiss.	Southern edge
Sedum cepaea - L.	Southern edge

Geranium asphodeloides -Burm.	Southern edge
Geranium pusillum - L.	Southern edge
Polygala anatolica - Boiss. et Heldr.	Southern edge
Seseli rubellum - Post	southern edge
Cornus màs - L.	southern end
Symphytum anatolicum -Boiss.	southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Coastal mountains riparian habitat	No
Quercus cerris pseudocerris woodland	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	

Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	
Agricultural expansion	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area with Management Plan comprises 50% of the IPA area.

3.8

SY08

INTERNATIONAL SITE NAME:

Umm al Tuyur-Bassit

NATIONAL SITE NAME:

أم الطيور البسيط

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Lattakia

ADMINISTRATIVE DISTRICT:

Lattakia

CENTRAL COORDINATES:

35.7865N, 35.8681E

ALTITUDE OF SITE :

Min: 0 –Max: 400 - Mean: 225 mASL

SHORT DESCRIPTION OF THE SITE:

This IPA encompasses the Syrian coast from Wadi Qandil River to Ras al Bassit headland, an area of about 22 km of mainly sheer rocky coast, with 2 km of sandy beach, and the woody hinterland towards the main Latakia-Antioch motorway (about 6-8 km off the coast). It is an area of *Pinus brutia* woods which reach directly the sea, hilly terrain with narrow river valleys and plains which are known by the name of Bassit, also one of the last remaining patches of wild olive trees *olea europea* is found within Umm al Tuyur-Bassit IPA. The main geological character of this site is the abundance of green metamorphic rocks which are not found elsewhere in the country. Many Amanus and Coastal mountain endemic species are located in the IPA area; many of the plants are identified as threatened or rare.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the LEVANT**	**Endemic to SYRIA / SYRIA-LEBANON**	**Stenoendemic / sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No/ don't know**
Crypsis factorovskyi- Eig	Yes/expert opinion	Yes	Yes	No	No	Yes
Melica angustifolia - Boiss	Don't know	yes	Yes	No	No	Yes
Asphodeline globifera - J. Gay	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus-Cappadocia)	Yes
Fritillaria elwesii - Boiss	Yes/ Expert opinion	Yes	No	No	No	Yes
Ornithogalum densum -Boiss. et Bl.	Don't know	Yes	Yes	No	No	Yes
Allium bassitense - Thiéb.	Yes / expert opinion	Yes	Yes	Yes	Yes (Bassit)	Yes
Limodorum abortivum- (L.)	Yes/ expert	No	No	No	No	Yes

Sw.	opinion					
Cephalanthera longifolia - (Huds.) Fritsch	Yes/ expert opinion	No	No	No	No	Yes
Epipactis latifolia - (L.) AU.	Yes/ expert opinion	No	No	No	No	Yes
Orchis tridentata - Scop.	Yes/ expert opinion	No	No	No	No	Yes
Orchis morio- L. ssp. *picta* (Loisel.) Reichb.	Yes/ expert opinion	Yes	Yes	No	No	Yes
Serapias vomeracea - (Burm.) Briquet	Yes/ expert opinion	No	No	No	No	Yes
Alnus orientalis -Decne	Yes/ Expert opinion	No	No	No	No	Yes
Quercus libani -Oliv.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Silene cassia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Silene confertiflora - Chowdhuri	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Velezia fasciculata - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Alyssum	Yes	Yes	Yes	No	Yes (Amanus-	Yes

cassium -Boiss.					Coastal Mts.)	
Alyssum crenulatum - Boiss.	Yes/ Expert opinion	Yes	Yes	No	yes (Amanus)	Yes
Sedum schizolepis - Frôd	Don't know	Yes	Yes	Yes	Yes (Levant coast)	Yes
Medicago galilaea - Boiss.	Don't know	Yes	Yes	No	No	Yes
Trifolium cassium - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Trifolium dichroanthum -Boiss.	Don't know	Yes	Yes	No	Yes (Levant coast)	Yes
Trifolium aintabense - Boiss. et Hausskn.	Don't know	Yes	Yes	No	Yes (Gaziantep-Coastal Mts.)	Yes
Astragalus sesameus - L.	Yes/ Expert opinion	Yes	No	No	No	Yes
Astragalus drusorum - Boiss.	Don't know	Yes	Yes	No	Yes (Coastal Mts.) - Lebanon)	Yes
Lathyrus stenolobus - Boiss.	Yes/ Expert opinion	Yes	Yes	Yes	Yes (Amanus)	Yes
Lathyrus cassius -Boiss.	No	Yes	Yes	No	Yes (Levant coast)	Yes
Pistacia lentiscus- L.	Yes/ Expert	Yes	No	No	No	Yes

	opinion					
Acer syriacum - Boiss. et Gaill.	Yes/ Expert opinion	Yes	Yes	No	No	No
Hypericum pallens - Banks et Sol.	Don't know	Yes	Yes	No	No	Yes
Hypericum thymifolium - Banks et Sol.	Don't know	Yes	Yes	No	Yes (Levant coast)	Yes
Eryngium falcatum - Laroche	Don't know	Yes	Yes	No	No	Yes
Ferulago autumnalis - Thiéb.	Don't know	Yes	Yes	No	Yes (Gaziantep - Kurd Dag)	Yes
Olea europaea - L.	yes/ Expert opinion	Yes	No	No	No	Yes
Convolvulus cassius - Sam. ex Rech. fil.	Yes/ Expert opinion	Yes	Yes	Yes	Yes (Amanus)	Yes
Onosma cassia - Boiss.	Don't know	Yes	Yes	Yes	Yes (Amanus)	Yes
Alkanna confusa - Sam. ex Rech. fil.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Prunella orientalis - Bornm.	No	Yes	Yes	No	No	Yes
Phlomis bailanica -	Don't know	Yes	Yes	Yes	Yes (Coastal Mts.)	Yes

Vierh.						
Phlomis longifolia - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Stachys viticina -Boiss.	Don't know	Yes	Yes	No	No	Yes
Stachys diversifolia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Salvia aramiensis - Rech. fil.	Yes/ Expert opinion	Yes	yes	No	Yes (Amanus)	Yes
Salvia cassia - Sam. ex Rech.	Don't know	Yes	Yes	No	Yes (Amanus)	Yes
Origanum syriacum - L.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Thymus cilicicus - Boiss. et Bal.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Verbascum pinetorum - (Boiss.) O. Kuntze	Don't know	Yes	yes	No	Yes (Amanus)	Yes
Verbascum tripolitanum - Boiss.	No	Yes	Yes	No	No	Yes
Verbascum caesareum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Veronica leiocarpa -	No	Yes	Yes	SY-LB	No	Yes

Boiss.						
Rubia aucheri - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Asperula libanotica - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Asperula bargyli - Gombault.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Galium bassitense - Thiéb.	Don't know	Yes	Yes	No	Yes (Antakya region)	Yes
Galium cassium - Boiss.	No	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Centaurea cassia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Centaurea ptosimopappa - Hayek	Don't know	Yes	Yes	No	Yes (Amanus)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Smilax excelsa- L.	Southern extension
Rhamnus heldreichii - Boiss.	Southern extension

Echium setosum - Vahl	Northern edge

B The site is rich in endemic species?
YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Sand Dunes	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Tow Marine Protected Areas cover about 4% of the total IPA

3.9

SY09

INTERNATIONAL SITE NAME:

Salma-Haffeh

NATIONAL SITE NAME:

سلمى الحفة

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Latakia

ADMINISTRATIVE DISTRICT:

Al-Haffeh

CENTRAL COORDINATES:

35.6373N, 36.0762E

ALTITUDE OF SITE :

Min: 215 –Max: 860 - Mean: 470 mASL

SHORT DESCRIPTION OF THE SITE:

This site represents the best remaining example of the vegetation type in the western slopes of the Coastal Mountains; in the eumediterranean altitudinal zone between (300-750) m. the area of Salma-Haffeh IPA receives high precipitation (900-1100) mm. The wooded areas are dominated by *Pinus brutia*, *Quercus calliprinos* forest associated with *Pistacia palaestina.* Many permanent watercourses intersect this area which extends about 15 km between the town of Salma in a south-east direction towards the town of Haffeh. It is the only site in which the nationally rare *Pteris longifolia* could be found.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name	Species is	Endemic to the	Endemi	Endemic	Stenoendemic	Is this

and authority	nationally threatened ? and) category if known	Mediterranean ?	c to the LEVANT	to SYRIA / SYRIA-LEBANON	/ sub national endemic	one of the five best sites for this species in your country ? Yes/No/ don't know
Pteris longifolia - L.	Yes/ Expert opinion	No	No	No	No	Yes
Ornithogalum densum -Boiss. et Bl.	Don't know	Yes	Yes	No	No	Yes
Cephalanthera kurdica- Bornm	Yes/ Expert opinion	Yes	Yes	No	Yes (Taurus-Amanus)	Yes
Cephalanthera rubra- (L.) L.C. Rich.	Yes/ Expert opinion	No	No	No	No	Yes
Ophrys lutea- Gouan	Yes/Expert opinion	Yes	No	No	No	Yes
Ophrys fuciflora - (Crantz) Haller	Yes/ expert opinion	No	No	No	No	Yes
Ophrys bornmuelleri - M. Schulze	Yes/ expert opinion	Yes	Yes	No	No	Yes
Orchis comperiana - Stev.	Yes/ expert opinion	No	No	No	No	Yes
Orchis simia -	Yes/	No	No	No	No	Yes

Lam.	expert opinion					
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Anacamptis pyramidalis - (L.) L.C. Rich.	Yes/ expert opinion	No	No	No	No	Yes
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Silene intricata - Post.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Gypsophila polygonoides - Willd. Ssp. *ansariensis* Rech.	Don't know	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Alyssum cassium -Boiss.	Yes	Yes	Yes	No	Yes (Amanus-Ansariye)	Yes
Rosularia pestalozzae - Boiss. Sam.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Lotus judaicus - Boiss.	No	Yes	Yes	No	No	Yes
Lotus carmeli - Boiss.	No	Yes	Yes	No	No	Yes
Lathyrus cassius -Boiss.	No	Yes	Yes	No	Yes (Levant coast)	Yes
Tordylium hasselquistiae	Don't know	Yes	Yes	No	Yes (Amanus-	Yes

- D.C.					Kurd Dag)	
Alkanna confusa - Sam. ex Rech. fil.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Teucrium heterotrichum - Briq. ex Rech. fil.	Don't know	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Sideritis nusairiensis - Post	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Sideritis pullulans - Vent.	Don't know	Yes	Yes	No	No	Yes
Phlomis syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Phlomis bailanica - Vierh.	Don't know	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Phlomis longifolia - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Calamintha betulifolia - Boiss. et Bal.	Don't know	Yes	Yes	No	No	Yes
Verbascum gaillardotii - Boiss.	No	Yes	Yes	No	No	Yes
Rubia aucheri - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal	Yes

					Mts.-Lebanon)	
Centaurea spicata -Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Coastal mountains riparian habitat	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	

Removal/burning of weeds in the near agricultural lands	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area located within this IPA

3.10

SY10

INTERNATIONAL SITE NAME:

Slenfeh-Jaubet al Berghal

NATIONAL SITE NAME:

صلنفة جوبة البرغال

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Latakia

Hama

ADMINISTRATIVE DISTRICT:

Al-Haffeh – Qardaha (Latakia)

Ghab (Hama)

CENTRAL COORDINATES:

35.5502N, 36.2121E

ALTITUDE OF SITE :

Min: 300 –Max: 1562 - Mean: 1050 mASL

SHORT DESCRIPTION OF THE SITE:

Slenfeh-Jaubet al Berghal IPA encompasses most of the northern section of the Syrian coastal mountain chain; it runs about 25 km in a north-south direction on both sides of the crest line of this mountain chain including its highest peak (*Nabi Matta*) at (1562) m. Eastern slope of the site is a very steep scarp delineating the Ghab depression to the east, while western slopes are less steep and more gentle but intersected by deep valleys. This IPA receives the highest precipitation in the country due to its direct exposure to the wet western wends from the Mediterranean. Altitudinal zonation suggests that territories of the IPA lie between the Supramediterranean and Oromediterranean zone. Slenfeh-Jaubet al Berghal is one of the best forested mountain

areas in the country dominated by *Abies* and *Cedrus. Slenfeh*, and *Jaubet al Berghal* are names of the main towns just at the borders of the IPA.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the LEVANT**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No / don't know**
Dryopteris libanotica- Ros	Yes/Expert opinion	Yes	Yes	No	No	Yes
Asplenium trichomanes- L.	Yes/Expert opinion	No	No	No	No	Yes
Abies cilicica - Ant. et Ky	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Cedrus libani - A. Rich.	Yes/ Expert opinion	Yes	No	No	No	Yes
Juniperus oxycedrus - L.	Yes/ Expert opinion	No	No	No	No	Don't know

Arceuthos drupacea - Labili.	Yes/ Expert opinion	Yes	No	No	No	Yes
Koeleria nitidula - Velenovsky	Yes/ Expert opinion	No	No	No	No	Yes
Melica angustifolia - Boiss	Don't know	Yes	Yes	No	No	Yes
Bromus bikfayensis - A. Cam.	Don't know	Yes	Yes	No	No	Yes
Arum gratum - Schott	Yes / expert opinion	Yes	Yes	No	Yes	Yes
Fritillaria elwesii - Boiss	Yes/ Expert opinion	Yes	No	No	No	Yes
Fritillaria acmopetala - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Fritillaria pinardi- Pl	Yes/ Expert opinion	Yes	No	No	No	Yes
Scilla sibirica - Andrews	Yes/ Expert opinion	No	No	No	No	Yes
Scilla bifolia- L.	Yes/ Expert opinion	No	No	No	No	Yes
Allium cassium - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Summits of Coastal Mts.)	Yes

Galanthus fosteri - Baker	Yes/ Expert opinion	Yes	No	No	No	Yes
Crocus kotschyanus - C. Koch	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Iris nusairiensis- Mt	Yes/ Expert opinion	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Cephalanthera kurdica- Bornm	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Cephalanthera rubra- (L.) L.C. Rich.	Yes/ Expert opinion	No	No	No	No	Yes
Epipactis consimilis -Don.	Yes/ expert opinion	No	No	No	No	Yes
Ophrys sintenesii - Fleischm. et Bornm.	Yes/ expert opinion	Yes	No	No	No	No
Ophrys fuciflora - (Crantz) Haller	Yes/ expert opinion	No	No	No	No	Yes
Orchis comperiana - Stev.	Yes/ expert opinion	No	No	No	No	No
Orchis simia - Lam.	Yes/ expert opinion	No	No	No	No	Yes
Orchis romana - Seb. et Mauri ssp. *libatontica*	Yes/ Expert opinion	Yes	No	No	No	Yes

Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Anacamptis pyramidalis - (L.) L.C. Rich.	Yes/ expert opinion	No	No	No	No	Yes
Quercus libani - Oliv.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Quercus cedrorum - Ky	Yes/ Expert opinion	Yes	No	No	No	Yes
Urtica fragilis - Thiébaut	Don't know	Yes	yes	SY-LB	Yes (Coastal Mts.-Lebanon)	Yes
Arenaria cassia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Saponaria bargyliana - Gombault	Yes/ Expert opinion	Yes	Yes	SY	Yes (Slenfe)	Yes
Berberis libanotica - Ehrenb.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Paeonia mascula - (L.) Mill.	Yes/ Expert opinion	No	No	No	No	Yes
Helleborus vesicarius - Auch	No	Yes	Yes	No	Yes (Amanus)	Yes
Thlaspi microstylum - Boiss.	Don't know	Yes	Yes	No	No	Yes

Hesperis kotschyana - Fenzl	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Prunus mahaleb - L.	Yes/ Expert opinion	No	No	No	No	Yes
Sorbus flabellifolia - (Spach) C.K. Schneider	Yes/ Expert opinion	No	No	No	No	Yes
Sorbus torminalis - (L.) Crantz	yes/ Expert opinion	No	No	No	No	Yes
Crataegus monogyna - Jacqu.	Yes/ Expert opinion	No	No	No	No	Yes
Cotoneaster nummularia - Fisch. et Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Cytisus drepanolobus - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Trifolium dichroanthoides - Rech.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Amanus-Coastal Mts.)	Yes
Lotus carmeli - Boiss.	No	Yes	Yes	No	No	Yes
Astragalus eriophylloides - Rech. fil.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Astragalus cruentiflorus - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes

Astragalus delbesii - Eig	Don't know	Yes	Yes	No	Yes (Antioch Amanus)	Yes
Geranium libani - Davis.	No	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Acer tauricolum - Boiss. et Bal.	Yes/ Expert opinion	yes	Yes	Sy-LB	Yes (Coastal Mts.-Lebanon)	yes
Acer hermoneum - Bornm. et Schwer.	Yes/ Expert opinion	Yes	No	No	No	Yes
Euphorbia phymatosperma - Boiss. et Gaill.	Don't know	Yes	Yes	No	No	Yes
Euphorbia herniariifolia - Willd.	Yes/ Expert opinion	Yes	No	No	No	Yes
Euphorbia macrostegia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Euphorbia biglandulosa - Desf.	Yes/ Expert opinion	Yes	No	No	No	Yes
Kitaibelia balansae - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Amanus-Coastal Mts.)	Yes
Daphne libanotica - Moût.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Coastal Mts.-Lebanon)	Yes
Bupleurum boissieri - Post	Don't know	Yes	Yes	No	Don't know	Yes

Ferula cassii - Zoh. et Davis.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Ferulago autumnalis - Thiéb.	Don't know	Yes	Yes	No	Yes (Gaziantep-Kurd Dag)	Yes
Ferulago cassia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Cornus australis - C.A. Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Onosma roussaei - DC.	Don't know	Yes	Yes	No	No	Yes
Symphytum palaestinum - Boiss.	No	Yes	Yes	No	No	Yes
Sideritis nusairiensis - Post	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Prunella orientalis - Bornm.	No	Yes	Yes	No	No	Yes
Phlomis bailanica - Vierh.	Don't know	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Phlomis longifolia - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Stachys pumila - Banks et Sol.	Don't know	Yes	Yes	No	(Amanus)	Yes
Salvia rubifolia -	Don't	Yes	Yes	SY-LB	No	Yes

Boiss.	know					
Salvia viscosa - Jacq.	No	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Calamintha betulifolia - Boiss. et Bal.	Don't know	Yes	Yes	No	No	Yes
Origanum bargyli - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Berghal-Slenfe) localized	Yes
Thymus hirsutus - Bieb.	Yes/ Expert opinion	Yes	No	No	No	Yes
Thymus cilicicus - Boiss. et Bal.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus)	Yes
Verbascum tripolitanum - Boiss.	No	Yes	Yes	No	No	Yes
Verbascum caesareum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Verbascum libanoticum - Murb. et Thiéb.	Don't know	Yes	Yes	SY-LB	No	Yes
Scrophularia rubricaulis - Boiss.	Don't know	Yes	Yes	No	No	Yes
Rubia aucheri - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Asperula bargyli -	Don't	Yes	yes	No	Yes (Amanus-	Yes

Gombault.	know				Coastal Mts.)	
Galium bassitense - Thiéb.	Don't know	Yes	Yes	No	Yes (Antioch region)	Yes
Lonicera orientalis - Lam.	Yes/ Expert opinion	Yes	No	No	No	Yes
Cephalaria amana - Rech. f.	Don't know	Yes	Yes	No	Yes (Antioch region)	Yes
Campanula trichopoda - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Echinops polyceras - Boiss.	No	Yes	Yes	No	No	Yes
Cirsium amani - Post	Don't know	Yes	yes	No	Yes (Amanus-Kurd Dag)	Yes
Myopordon thiebauti - (Genty) Wagenitz	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Centaurea cassia - Boiss.	Don't know	Yes	yes	No	Yes (Amanus-Coastal Mts.)	Yes
Centaurea simulans - Wagenitz.	Yes/ Expert opinion	Yes	yes	SY	Yes (Coastal Mts.)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	Range
Carex phyllostachys - C.A. Mey.	southern edge
Aethionema armcnum - Boiss.	Southern edge
Euonymus latifolius - Scop.	Southern edge
Ampelopsis orientalis -(Lam.) Planchon.	Southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	Is this habitat also threatened across the whole Mediterranean (yes /no)
Cedrus libani conifer forest	Yes
Apies cilicica conifer forest	Yes

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Agricultural expansion	
livestock/grazing	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	

Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Development recreation/tourism	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area with Management Plan occupies 40 % of the site surface.

3.11

SY11

INTERNATIONAL SITE NAME:

Ghab

NATIONAL SITE NAME:

الغاب

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Hama

ADMINISTRATIVE DISTRICT:

Ghab

CENTRAL COORDINATES:

35.4982N, 36.2573E

ALTITUDE OF SITE :

Min: 165 –Max: 180 - Mean: 170 mASL

SHORT DESCRIPTION OF THE SITE:

Ghab region is a very flat plain in northwestern Syria; it was once flooded by the Orontes River which runs through the depression transforming it into a large swamps area due to its slight slope (0.10%). The whole depression was transformed into an area for intensified agriculture after a big draining project. Ghab has an approximate length of 60 km and width of 10 km and bounded from the west by the steep Syrian Coastal Mountains and from the east by Zawiyah Mountain. The IPA within Ghab depression lies at its western fringes it comprises almost all the limited remaining patches that still maintain the original vegetation cover of the swampy plain.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened ? and) category if known	Endemic to the Mediterranean ?	Endemic to the LEVANT	Endemic to SYRIA /SYRIA-LEBANON	Stenoendemic / sub national endemic	Is this one of the five best sites for this species in your country ? Yes/No/ don't know
Iris pseudacorus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Nymphaea alba - L.	Yes/ Expert opinion	No	No	No	No	Yes
Nuphar luteum - (L.) Sm.	Yes/ Expert opinion	No	No	No	No	Yes
Rumex palustris- Smith	Yes/ Expert opinion	No	No	No	No	Yes (the only)
Ankyropetalum coelesyriacum - Boiss.	Don't know	No	yes	SY-LB	No	Yes
Euphorbia postii - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Ghab)	Yes
Nasturtium officinale- R. Br.	Yes/ Expert opinion	No	No	No	No	Yes

Alcea damascena - Moût	Don't know	Yes	Yes	SY-LB	No	Yes
Fraxinus syriaca - Boiss.	Yes/ Expert opinion	No	No	No	No	Yes
Verbascum cedreti - Boiss.	No	Yes	Yes	No	No	Don't know
Tussilago farfara -L.	Yes/ Expert opinion	No	No	No	No	No

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

No

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Peat wetlands	yes

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Agricultural intensification/ livestock/grazing	

Water (extraction/ Drainage/ canalisation/Management system)	
Aquaculture/Fisheries	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area located within this IPA

3.12

SY12

INTERNATIONAL SITE NAME:

Jabal Bishri

NATIONAL SITE NAME:

جبل بشري

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Deir ez-Zor

ADMINISTRATIVE DISTRICT:

Deir ez-Zor

CENTRAL COORDINATES:

35.3687N, 39.3079E

ALTITUDE OF SITE :

Min: 550 –Max: 830 - Mean: 720 mASL

SHORT DESCRIPTION OF THE SITE:

Jabal Bishri is an isolated mountain in the Syrian steppes, and the most remote one. It is the northeastern most of a series of Syrian inland mountains within the steppes which begin further to the southwest near the last foothills of the Anti-Lebanon. A much degraded Syrian steppes high plateau habitat is found in this site with few remaining trees of once a larger and once much extended *Pistacia atlantica, Rhamnus* and *Amygdalus* open woodlands. The area receives about 100-150 mm. of precipitation. Plant species are mainly of Irano-Tauranian affinity.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened? and) category if known	Endemic to the Mediterranean?	Endemic to the LEVANT	Endemic to SYRIA/ SYRIA-LEBANON	Stenoendemic/ sub national endemic	Is this one of the five best sites for this species in your country? Yes/No/ don't know
Allium azaurenum - Gombault	Don't know	No	Yes	SY	No	Yes
Iris sindjarensis- Boiss et Hausskn	Yes/Expert opinion	No	No	No	No	Yes
Salsola heliaramiae - Mout	Don't know	No	Yes	SY	Yes (Palmyra)	Yes
Salsola azaurena - Mout	Don't know	No	Yes	SY	Yes (Bishri-Deirezzor)	Yes
Argyrolobium crotalarioides - Jaub. et Spach	No	Yes	Yes	No	No	Yes
Astragalus megaloceras - Sam. et Eig	Don't know	No	Yes	SY	No	Yes
Onobrychis pinnata- Bertol.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Euphorbia chesneyi -	Don't	No	Yes	No	Yes (Syrian	Yes

Klotsch & Garcke	know				Steppe)	
Pistacia atlantica - Desf.	Yes/ Expert opinion	No	No	No	No	Don't know
Salvia pinardii - Boiss.	No	No	Yes	No	No	Yes
Verbascum caesareum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Centaurea delbesiana - Arènes	Don't know	No	Yes	No	Yes (S. Steppes)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Salsola volkensii - Asch.	Northern edge
Crucianella membranacea - Boiss.	northern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?
YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**

Syrian steppe High Plateau	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Extraction (minerals (quarries)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Areas within this IPA

3.13

SY13

INTERNATIONAL SITE NAME:

Abu Qbeis

NATIONAL SITE NAME:

أبو قبيس

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Hama

Latakia

ADMINISTRATIVE DISTRICT:

Ghab (Hama)

Jableh (Latakia)

CENTRAL COORDINATES:

35.2376N, 36.2380E

ALTITUDE OF SITE :

Min: 250 –Max: 1385 - Mean: 1050 mASL

SHORT DESCRIPTION OF THE SITE:

Abu Qbeis IPA site is situated in the central parts of the Syrian Coastal Mountains on both sides of their crest line. It has an average extension of 20 km east to west, and 8 km North-south. The whole IPA area lies in the humid Mediterranean bioclimatic zone. According to the altitudinal zonation of the Levant Mediterranean Mountains the lands of Abu Qbeis IPA are located between the Eumediterranean, Supramediterranean, and Oromediterranean zones on both slopes of the Mountain range. Good numbers of nationally rare and threatened species are found within the IPA. It is the best national site that holds threatened Orchidaceae species.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the LEVANT**	**Endemic To SYRIA / SYRIA-LEBANON**	**Stenoendemic / sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No/ don't know**
Juniperus oxycedrus - L.	Yes/ Expert opinion	No	No	No	No	Don't know

Arceuthos drupacea - Labili.	Yes/ Expert opinion	Yes	No	No	No	Yes
Tulipa agenensis - D.G.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Fritillaria acmopetala - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Fritillaria pinardi- Pl	Yes/ Expert opinion	Yes	No	No	No	Yes
Galanthus fosteri - Baker	Yes/ Expert opinion	Yes	No	No	No	Yes
Iris nusairiensis- Mt	Yes/ Expert opinion	Yes	Yes	SY	Yes (Coastal Mts.)	Yes
Limodorum abortivum- (L.) Sw.	Yes/ expert opinion	No	No	No	No	Don't know
Cephalanthera kurdica- Bornm	Yes/ Expert opinion	Yes	Yes	No	Yes (Taurus-Amanus)	Yes
Cephalanthera longifolia - (Huds.) Fritsch	Yes/ expert opinion	No	No	No	No	Yes
Neotinea intacta- Link	Yes/ Expert opinion	Yes	No	No	No	Yes
Ophrys fuciflora - (Crantz) Haller	Yes/ expert opinion	No	No	No	No	Yes

Ophrys argolica - Fleischm.	Yes/ Expert opinion	Yes	No	No	No	Yes
Orchis comperiana - Stev.	Yes/ expert opinion	No	No	No	No	Yes
Orchis simia - Lam.	Yes/ expert opinion	No	No	No	No	Yes
Orchis tridentata - Scop.	Yes/ expert opinion	No	No	No	No	Yes
Orchis romana - Seb. et Mauri ssp. *libatontica*	Yes/ Expert opinion	Yes	No	No	No	Yes
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Orchis sancta - L.	Yes/ Expert opinion	Yes	No	No	No	Yes
Anacamptis pyramidalis - (L.) L.C. Rich.	Yes/ expert opinion	No	No	No	No	Yes
Quercus libani -Oliv.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Quercus cerris - L. Var. *pseudocerris* (Boiss.) Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Quercus ithaburensis -	Yes/ Expert	Yes	No	No	No	Yes

Decne	opinion					
Saponaria bargyliana - Gombault	Yes/ Expert opinion	Yes	Yes	SY	Yes (Slenfe)	Yes
Paeonia mascula - (L.) Mill.	Yes/ Expert opinion	No	No	No	No	Yes
Helleborus vesicarius - Auch	No	Yes	Yes	No	Yes (Amanus)	Yes
Alyssum mouradicum - Boiss. et Bal.	Don't know	Yes	Yes	No	No	Yes
Alyssum cassium -Boiss.	Yes	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Hesperis kotschyana - Fenzl	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Platanus orientalis - L.	Yes/ Expert opinion	No	No	No	No	Yes
Prunus ursina - Ky.	Don't know	Yes	Yes	No	No	Yes
Prunus mahaleb - L.	Yes/ Expert opinion	No	No	No	No	Yes
Pyrus syriaca - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Sorbus torminalis - (L.) Crantz	yes/ Expert opinion	No	No	No	No	Yes

Malus trilobata - (Lab.) C.K. Schneider	Yes/ Expert opinion	No	No	No	No	Yes
Cotoneaster nummularia - Fisch. et Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Crataegus azarolus - L.	Yes/ Expert opinion	No	No	No	No	No
Crataegus monogyna - Jacqu.	Yes/ Expert opinion	No	No	No	No	Yes
Cercis siliquastrum - L.	Yes/ Expert opinion	No	No	No	No	Yes
Gonocytisus pterocladus - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Acer hermoneum - Bornm. et Schwer.	Yes/ Expert opinion	Yes	No	No	No	Yes
Acer syriacum - Boiss. et Gaill.	Yes/ Expert opinion	Yes	Yes	No	No	No
Euphorbia herniariifolia - Willd.	Yes/ Expert opinion	Yes	No	No	No	Yes
Euphorbia macrostegia - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Daphne libanotica -	Don't know	Yes	Yes	SY-LB	Yes (Coastal Mts.-	Yes

Moût.					Lebanon)	
Bupleurum boissieri - Post	Don't know	Yes	Yes	No	Don't know	Yes
Ferulago cassia - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Cornus australis - C.A. Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Sideritis nusairiensis - Post	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Salvia viscosa - Jacq.	No	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Thymus hirsutus - Bieb.	Yes/ Expert opinion	Yes	No	No	No	Yes
Thymus syriacus - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Don't know
Centaurea simulans - Wagenitz.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Coastal Mts.)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Quercus cerris pseudocerris woodland	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area with Management Plan comprises 60 % of the IPA area.

3.14

SY14

INTERNATIONAL SITE NAME:

Kanfo

NATONAL SITE NAME:

كنفو

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Hama

ADMINISTRATIVE DISTRICT:

Ghab

CENTRAL COORDINATES:

35.1819N, 36.3819E

ALTITUDE OF SITE :

Min: 200 –Max: 245 - Mean: 220 mASL

SHORT DESCRIPTION OF THE SITE:

A small-sized site at the southern end of Ghab valley towards the northern fringes of *Tar al Ula* hilly region. The small site itself (3x1) km represents the best remaining *Quercus ithaburensis* woodland in the country. Kanfo IPA lies in the sub-humid Mediterranean bioclimatic zone, at an average altitude of 220 m.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and	**Species is nationally**	**Endemic to the Mediterranean?**	**Endemic to the**	**Endemic to SYRIA**	**Stenoendemic/ sub national**	**Is this one of**

authority	threatened? and) category if known		LEVANT	/ SYRIA-LEBANON	endemic	the five best sites for this species in your country? Yes/No/ don't know
Euphorbia postii - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Ghab)	Yes
Quercus ithaburensis - Decne	Yes/ Expert opinion	Yes	No	No	No	Yes
Neottia nidus-avis - (L.) Rich.	Yes/ Expert opinion	No	No	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

NO

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	Is this habitat also threatened across the whole Mediterranean (yes /no)
Tabor Oak woodlands	yes

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	Notes
Agricultural expansion	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protection measures for this IPA

3.15

SY15

INTERNATIONAL SITE NAME:

Mayadin

NATIONAL SITE NAME:

الميادين

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Deir ez-Zor.

ADMINISTRATIVE DISTRICT:

Mayadin

CENTRAL COORDINATES:

35.0116N, 36.3819E

ALTITUDE OF SITE :

Min: 185–Max: 200 - Mean: 190 mASL

SHORT DESCRIPTION OF THE SITE:

Mayadin IPA is located at both banks of the Euphrates; it includes some Euphrates islands, oxbows and riparian habitats. The nationally threatened *Populus euphratica* is the main targeted species in this IPA along with Euphrates riparian habitats which is very threatened because of the agricultural and urban expansion along this river system. 2 other Euphrates endemic species are found in this IPA. Mayadin site has a total length of about 35 km. the town of *Mayadin* is just located at the borders of this IPA.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened? and) category if known	Endemic to the Mediterranean?	Endemic to the LEVANT	Endemic to SYRIA /SYRIA-LEBANON	Stenoendemic/ sub national endemic	Is this one of the five best sites for this species in your country? Yes/No/ don't know
Populus euphratica - Oliv.	Yes/ Expert opinion	No	No	No	No	Yes
Polygonum corrigioloides- Jaub. et Spach	Yes/ Expert opinion	No	No	No	Yes (Euphrates)	Yes
Polygonum argyrocoleum - Steud.	Yes/ Expert opinion	No	No	No	No	Yes
Schanginia baccata - Forsk. Moq.	End of range species/ Northern edge	No	No	No	No	Yes
Gypsophila aucheri- Boiss.	Don't know	No	No	No	Yes (Euphrates)	Yes
Erucaria boveana - Coss.	No	No	Yes	No	No	Yes
Astragalus hamrinensis - Hausskn. et Bornm.	Don't know	No	No	No	Yes (Euphrates)	Yes

Onobrychis pinnata- Bertol.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Euphorbia chesneyi - Klotsch & Garcke	Don't know	No	Yes	No	Yes (Syrian Steppe)	Yes
Anthemis breviradiata - Eig	Don't know	Yes	Yes	SY	Yes (Syrian Steppe)	Yes
Centaurea delbesiana - Arènes	Don't know	No	Yes	No	Yes (S. Steppes)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Mesopotamia Riparian Habitat	No
Islands of the Euphrates (Hawijas)	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**

Agricultural intensification/ livestock/grazing	
Water (extraction/ Drainage/ canalisation/Management system)	
Habitat Fragmentation/Isolation	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

There Protected Area within this IPA which occupies approximately 5% of its area.

3.16

SY16

INTERNATIONAL SITE NAME:

Massiaf-Qadmous

NATIONAL SITE NAME:

مصياف القدموس

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Hama

Tartus

ADMINISTRATIVE DISTRICT:

Massiaf (Hama)

Banias (Tartus)

CENTRAL COORDINATES:

35.0826N, 36.2267E

ALTITUDE OF SITE :

Min: 540–Max: 1243 - Mean: 870 mASL

SHORT DESCRIPTION OF THE SITE:

Massiaf-Qadmous site is located in the southern sections of the coastal mountains, where mountain slopes are gentler and less abrupt, however this IPA is intersected by deep valleys from its western side in which seasonal and permanent watercourses are found. The IPA is located between the humid Mediterranean and the Sub-humid Mediterranean bioclimatic zones. The botanical importance of this area comes from the presence of nationally threatened *Pinus halepensis*, and *Cupressus sempervirens* coniferous woodlands. Many Coastal mountains endemics, threatened and rare plants are found in this site.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No / don't know**
Pinus halepensis - Miller	Yes/Expert opinion	Yes	No	No	No	Yes
Cupressus sempervirens - L.	Yes/ Expert opinion	No	No	No	No	Yes
Avena convoluta - Presl	Yes/ Expert opinion	Yes	No	No	No	Yes
Tulipa agenensis - D.G.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Tulipa praecox - Ten.	Yes/ Expert opinion	No	No	No	No	Yes
Scilla cilicica -	Yes/ Expert	Yes	Yes	No	No	Yes

Siehe	opinion					
Crocus vitellinus- Wahlenberg	Yes/ Expert opinion	yes	Yes	SY-LB	No	Yes
Cephalanthera longifolia - (Huds.) Fritsch	Yes/ expert opinion	No	No	No	No	Don't know
Epipactis latifolia - (L.) AU.	Yes/ expert opinion	No	No	No	No	Yes
Ophrys iricolor - Desf.	Yes/Expert opinion	Yes	No	No	No	Yes
Ophrys lutea- Gouan	Yes/Expert opinion	Yes	No	No	No	Yes
Ophrys bornmuelleri - M. Schulze	Yes/ expert opinion	Yes	Yes	No	No	Yes
Orchis morio- L. ssp. *picta* (Loisel.) Reichb.	Yes/ expert opinion	Yes	Yes	No	No	Yes
Orchis coriophora - L. ssp. *fragrans* (Poil.) Camus	Yes/ Expert opinion	No	No	No	No	Yes
Orchis italica - Poiret	Yes/ expert opinion	No	No	No	No	Yes
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Orchis holocheilos- Boiss	Yes/ Expert opinion	Yes	Yes	No	No	Yes

Anacamptis pyramidalis - (L.) L.C. Rich.	Yes/ expert opinion	No	No	No	No	Yes
Celtis australis - L.	Yes/ Expert opinion	No	No	No	No	Yes
Urtica fragilis - Thiébaut	Don't know	Yes	yes	SY-LB	Yes (Coastal Mts.- Lebanon)	Yes
Nigella ciliaris - D.C.	Don't know	Yes	Yes	No	No	Yes
Trifolium aintabense - Boiss. et Hausskn.	Don't know	Yes	yes	No	Yes (Gaziantep-Coastal Mts.)	Yes
Cytisopsis doryeniifolia - Jaub.	Don't know	Yes	Yes	No	No	Yes
Lotus judaicus - Boiss.	No	Yes	Yes	No	No	Yes
Astragalus bhamrensis - Sirj. et Rech	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Coastal Mts.)	Yes
Astragalus drusorum -Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Coastal Mts.- Lebanon)	Yes
Asiragalus schizopterus - Boiss.	Don't know	Yes	Yes	No	No	Yes
Geranium libani - Davis.	No	Yes	Yes	SY-LB	Yes (Coastal Mts.- Lebanon)	Yes
Euphorbia reuteriana -	Don't	Yes	Yes	No	No	Yes

Boiss.	know					
Euphorbia biglandulosa - Desf.	Yes/ Expert opinion	Yes	No	No	No	Yes
Alcea damascena - Moût	Don't know	Yes	Yes	SY-LB	No	Yes
Alcea kurdica - Schlecht.	No	Yes	Yes	No	No	Yes
Hypericum russeggeri - Fenzl.	No	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Exoacantha heterophylla - Labili.	Don't know	yes	Yes	No	No	Yes
Bupleurum libanoticum - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Erica verticillata - Forssk.	Yes/ Expert opinion	Yes	No	No	No	Yes
Synelcosciadium carmeli - (Labili.) Boiss.	No	Yes	Yes	No	No	Yes
Onosma gigantea - Lam.	Don't know	Yes	Yes	No	No	Yes
Sideritis nusairiensis - Post	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Sideritis pullulans - Vent.	Don't know	Yes	yes	No	No	Yes

Prunella orientalis - Bornm.	No	Yes	Yes	No	No	Yes
Phlomis longifolia - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Salvia viscosa - Jacq.	No	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Thymus syriacus - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Don't know
Verbascum gaillardotii - Boiss.	No	Yes	Yes	No	No	Yes
Scrophularia nusairiensis - Post.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.)	Yes
Rubia aucheri - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Atractylis comosa - Sieb. ex Cass.	Don't know	Yes	Yes	No	No	Yes
Centaurea verutum - L.	No	Yes	Yes	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Pinus halepensis conifer forest	yes
Cupressus sempervirens conifer forest	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Small Portion of IPA surface is a protected Area (about 5%)

3.17

SY17

INTERNATIONAL SITE NAME:

Al Bil'as

NATIONAL SITE NAME:

البلعاس

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Hama

ADMINISTRATIVE DISTRICT:

Salamiyah

CENTRAL COORDINATES:

34.9441N, 37.6468E

ALTITUDE OF SITE :

Min: 700–Max: 1100 - Mean: 900 mASL

SHORT DESCRIPTION OF THE SITE :

An elevated upland lies just at the limits of the Syrian steppe culminating at *Sharat al Bil'as* (1100) m. It has typical Arid-Mediterranean bioclimatic conditions. Main vegetation cover is composed of *Pistacia atlantica*, *Amygdalus*, and *Prunus* open steppic woodlands. It is a very good site (second only to Abu Rujmain) in the number of Syrian steppes, inner mountain endemics.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the LEVANT**	**Endemic to SYRIA / SYRIA-LEBANON**	**Stenoendemic / sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No / don't know**
Bellevalia palmyrensis - Feinbrun	Yes/ Expert opinion	No	yes	SY	Yes (Syrian Steppe)	Yes
Allium schergianum - Boiss.	Don't know	Yes	Yes	SY	Yes (Mts. Of Syrian steppe)	Yes

Crocus dispathaceus - Bowles	Yes/Expert opinion	Yes	Yes	SY	Yes (Aleppo region	Yes
Iris postii- mt	Yes	Yes	Yes	SY	Yes	Yes
Consolida pusilla -Lab.	No	No	Yes	SY-LB	No	Yes
Consolida coelesyriaca - Mout	Yes/ Expert opinion	Yes	Yes	SY-LB	No	No
Aethionema syriacum - Boiss.	No	Yes	Yes	No	No	Yes
Fibigia heterophylla - Rech.	Yes/ Expert opinion - possibly extinct	Yes	Yes	SY	Yes (Bilas-Shair)	Yes
Hesperis pulmonarioides- Boiss.	No	Yes	Yes	No	No	Yes
Astragalus tadmorensis - Eig et Sam.	Yes/ Expert opinion	Yes	Yes	SY	Yes (palmyra)	Yes
Astragalus duplostrigosus - Post et Beauv.	Yes/ Expert opinion	No	Yes	SY	Yes (Palmyra)	Yes
Astragalus cretaceus - Boiss. et Ky	No	No	Yes	No	No	Yes
Astragalus antilibani - Bge	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes

Astragalus selemiensis- Mout	Yes/ Expert opinion	Yes	Yes	SY	yes (Selemiyi-Bilas)	Yes
Astragalus spicaeiformis - Eig	Don't know	Yes	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Astragalus mitchellii - Post.	Don't know	Yes	Yes	SY	Yes (Aleppo-Hama)	Yes
Astragalus trachoniticus - Post	Don't know	No	Yes	SY	No	Yes
Onobrychis hemicycla - Blanche et Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Mountains of the S. Steppe)	Yes
Rhamnus palaestina - Boiss.	Don't know	Yes	Yes	No	No	Yes
Pistacia atlantica - Desf.	Yes/ Expert opinion	No	No	No	No	Don't know
Prangos deserti - Post et Beauv.	Yes/ Expert opinion	No	Yes	SY	Yes (Bilas-Shair)	Yes
Johrenia fungosa - Boiss.	Don't know	Yes	Yes	No	Yes (Gaziantep-Kurd Dag)	Yes
Verbascum glanduliferum - (Post) Hub.- Mor.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Verbascum antari - Post	Yes/ Expert	Yes	Yes	SY	Yes (Palmyra)	Yes

	opinion					
Verbascum aliciae -Post	Don't know	Yes	Yes	SY-LB	No	Yes
Cousinia aleppica - Boiss.	Don't know	Yes	yes	No	Yes (South turkey- N Syria)	Yes
Thymus syriacus - Boiss.	Yes/ Expert opinion	Yes	No	No	No	No
Centaurea dumulosa - Boiss.	No	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Palmerene Mts.)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Colpodium humile - M.B.	southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Syrian steppe High Plateau	No
Pistacia atlantica open woodlands	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area are located within this site

3.18

SY18

INTERNATIONAL SITE NAME:

Jabal Al Sha'ir

NATIONAL SITE NAME:

جبل الشاعر

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Homs

ADMINISTRATIVE DISTRICT:

Al-Mukharram

Palmyra

CENTRAL COORDINATES:

34.8766N, 37.9276E

ALTITUDE OF SITE :

Min: 1000–Max: 1210 - Mean: 1100 mASL

SHORT DESCRIPTION OF THE SITE:

This IPA comprises the western part of Northern Palmerene Mountains, high mountains of the Syrian steppe. Jabal al Sha'ir IPA lies completely at more than (1000) m. and reach the altitude of (1200) m. at Al Sha'ir summit. the area of the IPA is subjected to arid-mediterranean, to Saharo-Mediterranean bioclimatic conditions. main vegetation type is low high to low Syrian steppe shrubs. Some relics of old *Pistacia* open woodland are present in various locations within the site.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the Levant**	**Endemic to SYRIA / SYRIA-LEBANON**	**Stenoendemic / sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No/ don't know**
Iris fumosa- Bois.	Yes	Yes	Yes	SY	Yes	Yes
Iris postii- mt	Yes	Yes	Yes	SY	Yes	Yes
Consolida pusilla -Lab.	No	No	Yes	SY-LB	No	Yes
Consolida coelesyriaca -Mout	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Fibigia heterophylla -Rech.	Yes/ Expert opinion - possibly extinct	Yes	Yes	SY	Yes (Bilas-Shair)	Yes
Astragalus tadmorensis - Eig et Sam.	Yes/ Expert opinion	Yes	Yes	SY	Yes (palmyra)	Yes
Astragalus duplostrigosus - Post et Beauv.	Yes/ Expert opinion	No	Yes	SY	Yes (palmyra)	Yes

Astragalus cretaceus - Boiss. et Ky	No	No	Yes	No	No	Yes
Astragalus spicaeiformis - Eig	Don't know	Yes	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Astragalus chlorostegius -Boiss.	Don't know	No	Yes	SY	No	Yes
Onobrychis hemicycla - Blanche et Boiss.	Don't know	Yes	Yes	No	Yes (Mountains of the S. Steppe)	Yes
Rhamnus palaestina - Boiss.	Don't know	Yes	Yes	No	No	Yes
Prangos deserti - Post et Beauv.	Yes/ Expert opinion	No	Yes	SY	Yes (Bilas-Shair)	Yes
Onosma mollis - DC.	No	No	Yes	No	No	Yes
Verbascum glanduliferum - (Post) Hub.-Mor.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Verbascum antari - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (palmyra)	Yes
Centaurea dumulosa - Boiss.	No	Yes	Yes	No	Yes (Anti-Lebanon-Palmerene Mts.)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Syrian steppe High Plateau	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area located within this IPA

3.19

SY19

INTERNATIONAL SITE NAME:

Jabal Abu Rujmain

NATIONAL SITE NAME:

جبل أبو رجمين

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Homs

ADMINISTRATIVE DISTRICT:

Palmyra

CENTRAL COORDINATES:

34.8847N, 383895E

ALTITUDE OF SITE :

Min: 860–Max: 1400 - Mean: 1220 mASL

SHORT DESCRIPTION OF THE SITE:

The Eastern and the most elevated section of the North Palmerene Mountains. It culminates at about (1400) m. the site lies between the arid-mediterranean, and the Saharo-mediterranean bioclimatic zone. The main vegetation type is open steppic woodlands of *Pistacia atlantica*, *Rhamnus*, *Amygdalus*, and *Prunus.* It is the best national site for the number of Syrian steppe, and inner mountains endemics.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name	Species is	Endemic to	Endemi	Endemic	Stenoendemi	Is this

and authority	nationally threatened ? and) category if known	the Mediterranean ?	c to the LEVANT	to SYRIA /SYRIA-LEBANON	c/ sub national endemic	one of the five best sites for this species in your country ? Yes/No / don't know
Bellevalia palmyrensis - Feinbrun	Yes/ Expert opinion	No	Yes	SY- LB	Yes (Syrian Steppe)	Yes
Allium deserti-syriaci - Feinbr.,	No	No	Yes	SY	No	Yes
Allium hierochuntinum- Boiss.	No	Yes	Yes	No	No	Yes
Allium schergianum - Boiss.	Don't know	Yes	Yes	SY	Yes (Mts. Of Syrian steppe)	Yes
Allium azaurenum - Gombault	Don't know	No	Yes	SY	No	Yes
Crocus dispathaceus - Bowles	Yes/Expert opinion	Yes	Yes	SY	Yes (Aleppo region	Yes
Crocus macrobolbos - Jovet	Yes/ Expert opinion	No	Yes	SY	No	Yes
Iris postii- mout	Yes	Yes	Yes	SY	Yes (Sub-arid Syrian steppe mts)	Yes
Salsola	Don't	No	Yes	SY	Yes	Yes

zenobiae - Mout	know				(Palmyra)	
Salsola postii - Eig	Yes/ Expert opinion	No	Yes	SY	Yes (Palmyra)	Yes
Salsola heliaramiae - Mout	Don't know	No	Yes	SY	Yes (Palmyra)	Yes
Ankyropetalum coelesyriacum - Boiss.	Don't know	No	yes	SY-LB	No	Yes
Chorispora syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Matthiola damascena - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Qalamoun-N Palmyrene Mts.)	Yes
Sedum louisii - Frôd	Yes/ Expert opinion	Yes	yes	SY	Yes (Qassiun)	Yes
Trigonella schlumbergeri - Buser.	Don't know	No	Yes	No	No	Yes
Astragalus tadmorensis - Eig et Sam.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Palmyra)	Yes
Astragalus duplostrigosus - Post et Beauv.	Yes/ Expert opinion	No	Yes	SY	Yes (Palmyra)	Yes
Astragalus cretaceus - Boiss. et Ky	No	No	Yes	No	No	Yes

Astragalus chlorostegius - Boiss.	Don't know	No	Yes	SY	No	Yes
Onobrychis pinnata-Bertol.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Lathyrus pygmaeus - Gombault	Yes/ Expert opinion	No	Yes	SY	Yes (Palmyra)	Yes
Euphorbia chamaepeplus -Boiss. et Gaill.	Don't know	Yes	Yes	No	No	Yes
Euphorbia chesneyi - Klotsch & Garcke	Don't know	No	Yes	No	Yes (Syrian Steppe)	Yes
Rhamnus palaestina - Boiss.	Don't know	Yes	Yes	No	No	Yes
Pistacia atlantica - *Desf.*	Yes/ Expert opinion	No	No	No	No	Yes
Onosma mollis - DC.	No	No	Yes	No	No	Yes
Ajuga rechingeri - Bilik	Don't know	Yes	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Teucrium coniortodes - Boiss. et Bl.	yes/ Expert opinion	Yes	Yes	SY	yes (Abu-Rujmain) end stn	Yes
Phlomis brachyodon -	Don't know	Yes	Yes	No	No	Yes

(Boiss.) Zohary.						
Salvia pinardii - Boiss.	No	No	Yes	SY-LB	No	Yes
Satureia pallaryi - Thiéb	Don't know	Yes	yes	SY	Yes (Upper Jezira)	Yes
Verbascum glanduliferum - (Post) Hub.-Mor.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Verbascum antari - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (Palmyra end)	Yes
Campanula euclasta - Boiss.	No	Yes	Yes	SY-LB	Yes (Qalamoun)	Yes
Anthemis breviradiata - Eig	Don't know	Yes	Yes	SY	Yes (Syrian Steppe)	Yes
Echinops polyceras - Boiss.	No	Yes	Yes	No	No	Yes
Thymus syriacus - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Don't know
Centaurea dumulosa - Boiss.	No	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Palmerene Mts.)	Yes
Centaurea blancheana - Mouterde	Don't know	Yes	Yes	SY	Yes	Yes
Centaurea postii -Boiss.	No	Yes	Yes	SY-LB	Yes (Sub-arid S. Steppe)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Seidlitzia rosmarinus -Ehr. Bge	Northern edge
Astragalus oxyglottis - Stev.	Southern edge
Astragalus eriopodus - Boiss.	Southern edge
Anchusa milleri -Willd.	northern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Syrian steppe High Plateau	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Grazing livestock	
Collection of herbs and medicinal plants	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

All the IPA area is protected

3.20

SY20

INTERNATIONAL SITE NAME:

Daher Al Qseir

NATIONAL SITE NAME:

ظهر القصير

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Homs

ADMINISTRATIVE DISTRICT:

Homs

CENTRAL COORDINATES:

34.8402N, 36.3707E

ALTITUDE OF SITE :

Min: 680–Max: 1051 - Mean: 900 mASL

SHORT DESCRIPTION OF THE SITE:

Daher al Qseir site is located at the southeastern edge of the Coastal Mountains, where the foothills of these mountains joins West Homs volcanic plateau, the highest point of the IPA is *Daher Hasur* (1051) m. The area is nationally unique for being a part of the humid Mediterranean bioclimatic zone and in the same time for its volcanic soils, the only combination in the country between these two factors. Many species find their southernmost range at this site such as *Castanea satvia*, and *Corylus avellana*. Some west Homs plateau narrow endemics and coastal mountains endemics are located within the IPA limits.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the LEVANT**	**Endemic to SYRIA / SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No / don't know**
Dryopteris aculeate -(L.) O. ntze	Yes/ Expert opinion	No	No	No	No	No
Asplenium bourgaei - Boiss	Yes/ Expert opinion	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Heleochloa acutiglumis- Boiss.	Yes/Expert opinion	Yes	Yes	SY-LB	Yes	Yes
Bellevalia densiflora - Boiss.	Don't know	Yes	Yes	SY	No	Yes
Tamus orientalis - Thiébaut	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Limodorum abortivum- (L.) Sw.	Yes/ expert opinion	No	No	No	No	Don't know
Neottia nidus-avis - (L.) Rich.	Yes/ Expert opinion	No	No	No	No	Yes
Ophrys lutea-	Yes/Exper	Yes	No	No	No	Yes

Gouan	t opinion					
Orchis coriophora - L. ssp. *fragrans* (Poil.) Camus	Yes/ Expert opinion	No	No	No	No	No
Orchis collina - Banks et Sol.	Yes/ expert opinion	Yes	No	No	No	Yes
Iris basaltica - Dinsmore	Yes/ expert opinion	Yes	Yes	SY	Yes (West Homs)	Yes
Ulmus minor - Mill.	Yes/ Expert opinion	No	No	No	No	Yes
Celtis australis - L.	Yes/ Expert opinion	No	No	No	No	Yes
Aristolochia scabridula - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Malus trilobata - (Lab.) C.K. Schneider	Yes/ Expert opinion	No	No	No	No	Yes
Trifolium israeliticum - M. Zoh.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Lotus judaicus - Boiss.	No	Yes	Yes	No	No	Yes
Astragalus neurocarpus - Boiss.	No	yes	Yes	No	No	Yes
Asiragalus schizopterus -	Don't know	Yes	Yes	No	No	Yes

Boiss.						
Lathyrus ciliolatus - Sam.	Don't know	Yes	Yes	SY-LB	No	Yes
Lathyrus basalticus- Rech. fil.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (west Homs)	Yes
Geranium libani - Davis.	No	Yes	Yes	SY-LB	Yes (Coastal Mts.- Lebanon)	Yes
Malva oxyloba - Boiss.	Don't know	Yes	Yes	No	No	Yes
Exoacantha heterophylla - Labili.	Don't know	yes	Yes	No	No	Yes
Bupleurum libanoticum - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Coastal Mts.- Lebanon)	Yes
Cornus australis - C.A. Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Laser trilobum - (L.) Borkh.	Yes/ Expert opinion	No	No	No	No	Yes
Peucedanum junceum - (Boiss.) Moût.	No	Yes	Yes	No	No	Yes
Synelcosciadium carmeli - (Labili.) Boiss.	No	Yes	Yes	No	No	Yes
Verbascum blancheanum - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Levant coast)	Yes

Verbascum galilaeum - Boiss.	No	Yes	Yes	No	No	Yes
Pulicaria auranitica - Mouterde	Don't know	Yes	Yes	No	Yes (Basalt puddles)	Yes
Anthemis samuelssonii - Rech. f.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Homs)	Yes
Centaurea verutum - L.	No	Yes	Yes	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Castanea sativa - Mill.	South edge
Corylus avellana - L.	South edge
Circaea lutetiana - L.	South edge

B The site is rich in endemic species?

YES/NO

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	Is this habitat also threatened across the whole Mediterranean (yes /no)
Chestnut deciduous forest	yes

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Areas within this IPA

3.21

SY21

INTERNATIONAL SITE NAME:

Al Kabir al Jonubi

NATIONAL SITE NAME:

نهر الكبير الجنوبي

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Homs

Tartus

ADMINISTRATIVE DISTRICT:

Talkalakh (Homs)

Tartus (Tartus)

CENTRAL COORDINATES:

34.6321N, 36.1725E

ALTITUDE OF SITE :

Min: 0–Max: 390 - Mean: 150 mASL

SHORT DESCRIPTION OF THE SITE:

Al Kabir al Jonubi is the main coastal river of Syria; it originates from the southern limits of The Coastal Mountains and runs through Homs gap, drawing the border line between Syria and Lebanon. Important riparian and marsh habitats are located along the river borders; the IPA has an approximate extension of 45 Km along the river right bank. Many threatened species could be found such as *Isoetes sp,.* Along with many West Homs plateau endemics on the IPA's eastern parts, and some Levant coast endemics in The IPA's western parts, where Al Kabir al Jonubi River meets the Mediterranean Sea.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened ? and) category if known	Endemic to the Mediterranean ?	Endemic to the Levant	Endemic to SYRIA/ SYRIA-LEBANON	Stenoendemic/ sub national endemic	Is this one of the five best sites for this species in your country ? Yes/No / don't know
Isoetes hystrix- Dur.	Yes/ expert opinion	No	No	No	No	Yes
Isoetes sp. nov.- Musselman	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes	Yes
Isoetes duriei- Bory	Yes/ expert opinion	Yes	No	No	Yes	Yes
Salvinia natans - L.	Yes/ expert opinion	No	No	No	No	Yes
Naias graminea - Del.	Yes/ Expert opinion	No	No	No	No	Yes
Crypsis factorovskyi- Eig	Yes/exper t opinion	yes	Yes	No	No	Yes
Arum palaestinum - Boiss.	Don't know	Yes	Yes	No	No	Yes

Fritillaria libanotica - Boiss. Baker	Don't know	Yes	Yes	No	No	Yes
Iris grant-duffii - Baker.	Yes/ expert opinion	Yes	Yes	No	Yes (Levant coast)	Yes
Iris basaltica - Dinsmore	Yes/ expert opinion	Yes	Yes	SY	Yes (West Homs)	Yes
Orchis collina - Banks et Sol.	Yes/ expert opinion	Yes	No	No	No	Yes
Orchis laxiflora- Lam., ssp. *dielsiana* Soô	Yes/ expert opinion	No	No	No	No	Yes
Maresia pulchella -D.C.	Don't know	Yes	Yes	No	Yes (Levant coast)	Yes
Reseda orientalis - L.	No	Yes	Yes	No	Yes (Levant coast)	Yes
Ononis phyllocephala- Boiss.	Don't know	Yes	Yes	No	No	Yes
Trifolium dichroanthum - Boiss.	Don't know	Yes	Yes	No	Yes (Levant coast)	Yes
Trifolium israeliticum - M. Zoh.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Asiragalus schizopterus - Boiss.	Don't know	Yes	Yes	No	No	Yes
Vicia galeata - Boiss.	No	Yes	Yes	No	Yes (Levant coast)	Yes

Vicia hyaeniscyamus -Moût	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (west Homs)	Yes
Lathyrus cassius -Boiss.	No	Yes	Yes	No	Yes (Levant coast)	Yes
Lathyrus ciliolatus - Sam.	Don't know	Yes	Yes	SY-LB	No	Yes
Lathyrus basalticus- Rech. fil.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (west Homs)	Yes
Malva oxyloba - Boiss.	Don't know	Yes	Yes	No	No	Yes
Exoacantha heterophylla - Labili.	Don't know	yes	Yes	No	No	Yes
Garum polyphyllum - Boiss. et Bl.	Yes/ Expert opinion- Possibly extinct	Yes	Yes	SY	Yes (Homs)	Yes
Peucedanum junceum - (Boiss.) Moût.	No	Yes	Yes	No	No	Yes
Johrenia westii - Post	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Upper Orontes valley)	Yes
Synelcosciadium carmeli - (Labili.) Boiss.	No	Yes	Yes	No	No	Yes
Fraxinus syriaca - Boiss.	Yes/ Expert opinion	No	No	No	No	Yes
Origanum	Yes/ Expert	Yes	Yes	No	No	Yes

syriacum - L.	opinion					
Verbascum blancheanum - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Levant coast)	Yes
Verbascum galilaeum - Boiss.	No	Yes	Yes	No	No	Yes
Scrophularia tagetifolia - Boiss. et Hausskn.	Don't know	Yes	Yes	SY-LB	No	Yes
Pulicaria auranitica - Mouterde	Don't know	Yes	Yes	No	Yes (Basalt puddles)	Yes
Anthemis samuelssonii - Rech. f.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Homs) end	Yes
Anthemis tripolitana - Boiss. et Bl.	Don't know	Yes	Yes	SY-LB	Yes (Levant coast)	Yes
Centaurea reducta - Wagenitz.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Homs) end	Yes
Centaurea verutum - L.	No	Yes	Yes	No	No	Yes
Centaurea cyanoides - Berg et Wahlenb.	Don't know	Yes	Yes	No	No	Yes
Crepis syriaca - (Bornm.) Babcock et Nav.	No	Yes	Yes	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Coastal mountains riparian habitat	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion and intensification	
Aquaculture/Fisheries	
Climate change/sea level rise	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Water (extraction/ Drainage/ canalisation/Management system)	
Development recreation/tourism	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area within this IPA

3.22

SY22

INTERNATIONAL SITE NAME:

Akkoum

NATIONAL SITE NAME:

أكوم

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Homs

ADMINISTRATIVE DISTRICT:

Al-Qusayr

CENTRAL COORDINATES:

34.5183N, 36.3904E

ALTITUDE OF SITE :

Min: 540–Max: 1430 - Mean: 1000 mASL

SHORT DESCRIPTION OF THE SITE:

Akkoum IPA comprises a series of low to medium elevated hills and mountains within a 10 km long, 4 km wide strip stretching into the Lebanese territories. It is the only site in Syria which includes a part of Lebanon Mountains (The north-Eastern part) the highest point is *Marmaz* (1430) m. The IPA lies in the sub-humid Mediterranean bioclimatic zone and receives between 600-800 mm of precipitation annually. This site still maintains a good cover of Mediterranean forest-shrub land, with another evergreen Mediterranean forest dominated by the nationally threatened *Cupressus sempervirens* and *Juniperus excela*.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened? and) category if known	Endemic to the Mediterranean?	Endemic to the LEVANT	Endemic to SYRIA/ SYRIA-LEBANON	Stenoendemic/ sub national endemic	Is this one of the five best sites for this species in your country? Yes/No/ don't know
Neotinea intacta- Link	Yes/ Expert opinion	Yes	No	No	No	Yes
Cupressus sempervirens - L.	Yes/ Expert opinion	No	No	No	No	Yes
Juniperus excelsa- M.B.	Yes/ Expert opinion	No	No	No	No	Yes
Ophrys bornmuelleri - M. Schulze	Yes/ expert opinion	Yes	Yes	No	No	Yes
Ophrys sintenesii - Fleischm. et Bornm.	Yes/ expert opinion	Yes	No	No	No	Don't know
Orchis coriophora - L. ssp. *fragrans* (Poil.) Camus	Yes/ Expert opinion	No	No	No	No	No
Orchis laxiflora- Lam., ssp. *dielsiana* Soô	Yes/ expert opinion	No	No	No	No	Yes

Corynephorus deschampsioides- Bornm.	Don't know	Yes	Yes	SY-LB	No	Yes
Berberis libanotica - Ehrenb.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Prunus ursina - Ky.	Don't know	Yes	Yes	No	No	Yes
Prunus microcarpa - C.A. Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Amygdalus orientalis - Mill.	Yes/ Expert opinion	Yes	No	No	No	Yes
Cotoneaster nummularia - Fisch. et Mey.	Yes/ Expert opinion	No	No	No	No	Don't know
Aristolochia scabridula - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Astragalus bethlehemiticus -Boiss.	No	Yes	Yes	No	No	Yes
Pistacia atlantica - Desf.	Yes/ Expert opinion	No	No	No	No	Don't know
Acer syriacum - Boiss. et Gaill.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Scrophularia tagetifolia - Boiss. et Hausskn.	Don't know	Yes	Yes	SY-LB	No	Yes

Lonicera etrusca - Santi	Yes/ Expert opinion	No	No	No	No	Don't know
Centaurea reducta - Wagenitz.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Homs)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Cupressus sempervirens conifer forest	No
Juniperus excelsa woodland	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering wood for cooking and heating	

Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Areas within this IPA

3.23

SY23

INTERNATIONAL SITE NAME:

Anti-Lebanon

NATIONAL SITE NAME:

سلسلة جبال لبنان الشرقية

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif-Dimashq

ADMINISTRATIVE DISTRICT:

Al-Nabk

Yabrud

CENTRAL COORDINATES:

ALTITUDE OF SITE :

Min: 1680–Max: 2616 - Mean: 2150 mASL

SHORT DESCRIPTION OF THE SITE :

High mountain range runs in a north-east south-west direction, it forms the Syrian-Lebanese border line. The majority of the IPA land lies above (2000) m. of altitude forming a large extended area of high uplands, unique to the Levant countries. It culminates at Tala'at Musa peak (2616) m. the second highest summit in Syria. This area has numerous mountain peaks, very steep slopes, some vertical cliffs, and deep valleys. In spite of its high altitude, this area receives modest precipitation due to the rain shadow effect of Lebanon Mountains to the west; nevertheless, the whole area is located within the semi-arid Mediterranean bioclimatic zones, however, the climatic conditions of low temperature and long period of snow and frost have drawn a zone for sub-alpine to alpine vegetation, and have contributed to the high occurrence of narrow endemics.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA - LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No / don't know**
Juniperus excelsa- M.B.	Yes/ Expert opinion	No	No	No	No	Yes
Corynephorus deschampsioides- Bornm.	Don't know	Yes	Yes	SY-LB	No	Yes
Asplenium ruta-muraria - L.	Yes/ Expert opinion	No	No	No	No	Yes
Phyllitis scolopendrium- L.	Yes/ Expert opinion	No	No	No	No	Yes
Agropyron libanoticum - Hack	Don't know	Yes	Yes	SY-LB	No	Yes
Asphodeline taurica -Pali.	Yes/ Expert opinion	No	No	No	Yes (Anti-Lebanon)	Yes
Asphodeline damascena -	Yes/ Expert	Yes	Yes	SY-LB	Yes (Anti-	Yes

Boiss.	opinion				Lebanon)	
Lloydia rubroviridis - Boiss. etKy	Don't know	Yes	Yes	No	No	Yes
Gagea micrantha - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Gagea gageoides Zucc	Yes/ Expert opinion	No	No	No	No	Yes
Tulipa aucheriana - Baker ssp. *westii*	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Tulipa lownei - Baker	Yes/ Expert opinion	yes	Yes	SY-LB	Yes (Anti-Lebanon end)	Yes
Bellevalia hermonis - mt	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Anti-Lebanon	Yes
Bellevalia nivalis - Boiss. et Ky	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes - The only site)
Allium makmelianum - Post	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon - Lebanon)	Yes
Allium emarginatum - Rech.	Don't know	Yes	Yes	SY-LB	No	Yes
Allium libani - Boiss.	Yes/ Expert opinion	yes	Yes	SY-LB	Yes (Lebanon-Anti-Lebanon)	Yes - The only site)

Crocus aleppicus- Baker	No	Yes	Yes	No	No	Yes
Iris antilibanotica - Dinsm.	Yes/ Expert opinion	Yes	Yes	SY	Yes	Yes
Romulea nivalis - Boiss et Ky	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes	Yes
Polygonum libani - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Lebanon Mts)	Yes
Minuartia parvulorum - Mout et Sam.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	yes
Minuartia innominata - McNeill	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon Mts.)	Yes
Cerastium fragillimum -Fries	Yes/ Expert opinion	Yes	No	No	No	Yes
Silene makmeliana - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Silene libanotica - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Silene schlumbergeri - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Gypsophila frankenioides Boiss. var. *libanotica* Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes

Gypsophila mollis - Boiss.	Don't know	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Berberis libanotica - Ehrenb.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Ranunculus myosuroides - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Ranunculus chionophilus - Boiss.	Don't know	Yes	Yes	No	No	Yes
Papaver libanoticum - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Aethionema cordatum -Desf. Boiss.	Yes/ Expert opinion	No	No	No	No	Yes
Thlaspi brevicaule- Boiss. et Ky	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes - The only site)
Draba oxycarpa - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	yes (Anti-Lebanon-Hermon)	Yes
Draba vesicaria -Desv.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Aubrietia libanotica - Boiss.	Don't know	Yes	Yes	No	No	Yes
Anchonium	Yes/	Yes	Yes	SY-LB	Yes (Anti-	Yes

billardieri -D.C.	Expert opinion				Lebanon-Lebanon Mts.)	
Alyssum mouradicum - Boiss. et Bal.	Don't know	Yes	Yes	No	No	Yes
Alyssum subspinosum - Dudley	Yes	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Malcolmia exacoides -D.C.	Don't know	Yes	Yes	SY-LB	No	Yes
Prunus ursina - Ky.	Don't know	Yes	Yes	No	No	Yes
Crataegus azarolus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Crataegus monogyna - Jacqu.	Yes/ Expert opinion	No	No	No	No	Yes
Poterium compactum - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Argyrolobium crotalarioides - Jaub. et Spach	No	Yes	Yes	No	No	Yes
Genista libanotica - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus emarginatus - Labili.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus antilibani - Bge	Yes/ Expert	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes

	opinion					
Astragalus stramineus - Boiss. et Ky	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Astragalus trichopterus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus argyrothamnos - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Astragalus cruentiflorus - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus baalbekensis - Bornm.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Astragalus exiguus - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (summits of Anti-Lebanon)	Yes- The only site
Astragalus hasbeyanus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Astragalus coluteoides -Will	No	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus cucullaris -Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Astragalus ehrenbergii- Bunge.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Astragalus dictyocarpus -	Yes/ Expert	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes

Boiss.	opinion					
Astragalus hermoneus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Hedysarum coelesyriacum - Sam.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Erodium gaillardotii - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Acer hermoneum - Bornm. et Schwer.	Yes/ Expert opinion	Yes	No	No	No	Yes
Euphorbia erinacea -Boiss. et Ky	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Euphorbia antilibanotica - Mout	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes- The only site
Euphorbia promecocarpa - P.H. Davis	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes- The only site
Rhamnus libanotica - Boiss.	Don't know	yes	yes	No	No	Yes
Eryngium desertorum - Zohary	Don't know	Yes	Yes	No	No	Yes
Chaetosciadium trichospermum -	No	Yes	Yes	No	No	Yes

(L.) Boiss.						
Reutera tenuis - Boiss. et Hausskn.	Yes/ Expert opinion	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Hippomararthrum boissieri - Reut. et Hausskn.	No	Yes	Yes	No	No	Yes
Heptaptera anisoptera - (D.C.) Tutin.	No	Yes	Yes	No	No	Yes
Bunium pestalozzae - Boiss. Diagn.	Don't know	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Bupleurum postii- Wolff	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Ferulago frigida - Boiss.	Don't know	yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes-The only site
Peucedanum depauperatum - Boiss. et Bal.	Don't know	Yes	Yes	No	No	Yes
Trifolium farayense - Moût.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Acantholimon damassanum - Mobayen	Don't know	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Acantholimon antilibanoticum - Moût.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes

Acantholimon libanoticum - Boiss.	Don't know	Yes	yes	SY-LB	Yes (High Levant Mts.)	Yes
Convolvulus libanoticus - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Heliotropium schweinfurthii - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Rindera schlumbergeri - (Boiss.) Gùrke	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Onosma caerulescens - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Teucrium antilibanoticum - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Scutellaria utriculata - Labili.	Don't know	Yes	yes	SY-LB	yes (Anti-Lebanon)	Yes
Marrubium libanoticum - Boiss.	Don't know	Yes	yes	No	No	Yes
Marrubium cuneatum - Banks et Sol.	Don't know	yes	yes	SY-LB	No	Yes
Nepeta pabotii - Moût.	Don't know	yes	yes	SY	Yes (Anti-Lebanon)	Yes
Phlomis brevilabris -	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes

Ehrenb.						
Lamium ehrenbergii - Boiss. et Reut.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Ballota antilibanotica - Post.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon Mts.)	Yes
Stachys nivea - Labili.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Salvia rubifolia - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Micromeria libanotica - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Thymus alfredae - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon) localized	Yes-the only site
Verbascum antilibanoticum - Hub,-Mor.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon) localized	Yes
Verbascum porteri -Post	Don't know	Yes	Yes	SY	Yes (Sub-arid S. Steppe)	Yes
Verbascum cedreti - Boiss.	No	Yes	Yes	No	No	Yes
Verbascum ptychophyllum - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Jabal Al-Arab)	Yes
Linaria aucheri - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon	Yes

					Mts.)	
Veronica polifolia - Benth.	No	Yes	Yes	No	No	Yes
Galium libanoticum - Ehrendorfer.	No	Yes	Yes	No	No	Yes
Valerianella antilibanotica - Rech. f.	Yes/Expert opinion	Yes	yes	SY	yes (Anti-Lebanon) localized	Yes
Tracheliopsis antilibanotica - P.H. Davis	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Phagnalon linifolium - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes- the only site
Helichrysum pygmaeum - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes- the only site
Tanacetum densum - (Labili.) Schultz Bip.	Yes/ Expert opinion	Yes	yes	SY-LB	Yes (Hermon-Anti-Lebanon)	Yes
Cousinia pestalozzae - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Cousinia hermonis - Boiss.	Don't know	yes	Yes	No	Yes (Anti-Lebanon-Hermon)	Yes
Centaurea longispina - (Post) Wagenitz	Yes/Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes

Centaurea hololeuca - Boiss.	Don't know	Yes	yes	SY-LB	Yes (High Levant Mts.)	Yes
Centaurea cyanoides - Berg et Wahlenb.	Don't know	Yes	Yes	No	No	Yes
Scorzonera libanotica - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Crepis robertioides - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Crepis pterothecoides - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Lebanon-Jabal Al-Arab)	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES- the first site in Syria

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Anti-Lebanon high shrubs	No
Levant Sub- Alpine meadows	No
Levant high mountain Nival Habitat	No

Juniperus excelsa woodland	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	
Development (Urbanisation)	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area covers about 60% of this IPA

3.24

SY24

INTERNATIONAL SITE NAME:

Qalamoun

NATIONAL SITE NAME:

القلمون

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif-Dimashq

ADMINISTRATIVE DISTRICT:

Al-Qutayfah

Al-Nabk

CENTRAL COORDINATES:

33.9735N, 36.7918E

ALTITUDE OF SITE :

Min: 950–Max: 1850 - Mean: 1350 mASL

SHORT DESCRIPTION OF THE SITE:

A mountain chain runs parallel to the more westerly Anti-Lebanon chain in a north-east south-west direction; it extends about 65 km, having a medium width of 8 km. It has lower elevations than its Anti-Lebanon twin culminating at *Jabal al 'Alali* (1850), and receives even lower precipitation because of the rain shadow effects of Lebanon, and the Anti-Lebanon Mountains altogether which stops the wet Mediterranean wind to penetrate more to the east. The whole IPA lies in the arid-Mediterranean bioclimatic zone, it has also very strong continental effects, and good scale of penetration from Syrian steppe vegetation types. All these rugged characteristics of this sites contributes to the presence of good number of national, sub-national, and narrow endemics.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No/ don't know**
Phyllitis scolopendrium- L.	Yes/ Expert opinion	No	No	No	No	Yes
Agropyron libanoticum - Hack	Don't know	Yes	Yes	SY-LB	No	Yes
Asphodeline edumea - Zohary	Don't know	Yes	Yes	No	No	Yes
Lloydia rubroviridis - Boiss. Et Ky	Don't know	Yes	Yes	No	No	Yes
Tulipa lownei - Baker	Yes/ Expert opinion	yes	Yes	SY-LB	Yes (Anti-Lebanon end)	Yes
Scilla hanburyi - Baker	Yes/ Expert opinion	yes	yes	No	No	Yes
Allium pseudophanerantherum - Rech. fil	Yes/ Expert opinion	Yes	yes	SY	Yes (Low Anti-Lebanon)	Yes (The only)
Allium makmelianum - Post	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon - Lebanon)	Yes
Allium emarginatum -	Don't	Yes	Yes	SY-LB	No	Yes

Rech.	know					
Allium karyateini - Post	Don't know	No	Yes	SY	No	Yes
Allium hierochuntinum- Boiss.	No	Yes	Yes	No	No	Yes
Allium schergianum - Boiss.	Don't know	Yes	Yes	SY	Yes (Mts. Of Syrian steppe)	Yes
Iris postii- mt	Yes	Yes	Yes	SY	Yes	Yes
Iris yebrudi -Dinsm.	Yes /Expert opinion	Yes	Yes	SY	yes (Anti-Lebanon)	yes
Suaeda carnosissima - Post	Yes/ Expert opinion	No	Yes	SY	yes (Hijane-Qaryetin)	Yes
Salsola autrani -Post	Don't know	No	Yes	SY	Yes (Lower anti-Lebanon)	Yes
Minuartia parvulorum - Mout et Sam.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	yes
Consolida pusilla -Lab.	No	No	Yes	SY-LB	No	Yes
Erucaria boveana - Coss.	No	No	Yes	No	No	Yes
Camelina lasiocarpa - Boiss. et Hausskn.	Don't know	Yes	Yes	SY-LB	No	Yes
Alyssum damascenum - Boiss. et Gaill.	No	Yes	Yes	No	No	Yes
Alyssum subspinosum - Dudley	Yes	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Matthiola damascena - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Qalamoun-N palmyrene) Mts.	Yes

Argyrolobium crotalarioides - Jaub. et Spach	No	Yes	Yes	No	No	Yes
Astragalus pabotii - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Lower Anti-Lebanon)	Yes
Astragalus faktorovskyi - Eig.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Lower Anti-Lebanon)	Yes
Astragalus cretaceus - Boiss. et Ky	No	No	Yes	No	No	Yes
Astragalus megaloceras - Sam. et Eig	Don't know	No	Yes	SY	No	Yes
Astragalus psilodontius - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Lower Anti-Lebanon)	Yes
Astragalus bethlehemiticus -Boiss.	No	Yes	Yes	No	No	Yes
Astragalus spicaeiformis - Eig	Don't know	Yes	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Astragalus heliopolitanus - Moût.	Don't know	Yes	Yes	SY-LB	Yes (Lower Anti-Lebanon)	Yes
Onobrychis hemicycla - Blanche et Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Mountains of the S. Steppe)	Yes
Erodium gaillardotii - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Haplophyllum fruticulosum -Labili.	No	Yes	Yes	No	No	Yes
Euphorbia chamaepeplus -Boiss.	Don't	Yes	Yes	No	No	Yes

et Gaill.	know					
Rhamnus palaestina - Boiss.	Don't know	Yes	Yes	No	No	Yes
Eryngium desertorum - Zohary	Don't know	Yes	Yes	SY-LB	No	Yes
Anisosciadium isosciadium -Bornm.	Don't know	Yes	Yes	SY	Yes (South Palmerene Mts.)	Yes
Hippomararthrum boissieri - Reut. et Hausskn.	No	Yes	Yes	No	No	Yes
Astoma seselifolium - D.C.	Don't know	Yes	yes	No	No	Yes
Johrenia fungosa - Boiss.	Don't know	Yes	Yes	No	Yes (Gaziantep-Kurd Dag)	Yes
Acantholimon damassanum - Mobayen	Don't know	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Rindera schlumbergeri - (Boiss.) Gùrke	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Ajuga chasmophila - Davis	Yes/ Expert opinion	Yes	Yes	SY	Yes (Lower Anti-Lebanon)	Yes
Ajuga rechingeri - Bilik	Don't know	Yes	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Teucrium socinianum - Boiss.	Don't know	Yes	yes	SY-LB	Yes (Anti-Lebanon)	Yes
Phlomis brachyodon - (Boiss.) Zohary.	Don't know	Yes	Yes	No	No	Yes
Stachys palaestina - L.	Don't	Yes	Yes	No	No	Yes

	know					
Salvia nazalena - Hedge et Mouterde	Yes/ Expert opinion	Yes	Yes	SY	Yes (Lower Anti-Lebanon) end stn	Yes
Micromeria barbata - Boiss. et Ky.	Don't know	Yes	Yes	No	No	Yes
Verbascum glanduliferum - (Post) Hub.-Mor.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Verbascum porteri -Post	Don't know	Yes	Yes	SY	Yes (Sub-arid S. Steppe)	Yes
Verbascum tropidocarpum -Murb.	Don't know	Yes	Yes	SY	Yes (Sub-arid S. Steppe)	Yes
Verbascum leptostachyum - DC.	No	yes	Yes	SY-LB	No	No
Linaria damascena - Boiss. et Gaill.	Don't know	Yes	Yes	SY-LB	Yes (Hermon-Jabal Al-Arab)	Yes
Campanula euclasta - Boiss.	No	Yes	Yes	SY-LB	Yes (Qalamoun)	Yes
Postia tnicrocephala - Boiss.	Don't know	yes	Yes	SY	Yes (Lower Anti-Lebanon)	Yes
Anthemis breviradiata - Eig	Don't know	Yes	Yes	SY	Yes (Syrian Steppe)	Yes
Anthemis rascheyana - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Tanacetum yabrudae - (Moût.) Charpin et Dittrich	Yes/ Expert opinion	Yes	YES	SY	Yes (Lower Anti-Lebanon)	Yes
Cousinia ramosissima -	No	Yes	Yes	No	No	Yes

DC.						
Centaurea dumulosa - Boiss.	No	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Palmerene Mts.)	Yes
Centaurea blancheana - Mouterde	Don't know	Yes	Yes	SY	Yes	Yes
Centaurea postii -Boiss.	No	Yes	Yes	SY-LB	Yes (Sub-arid S. Steppe)	Yes
Centaurea ainetensis - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Sub-arid S. Steppe)	Yes
Crepis pterothecoides - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Lebanon-Jabal Al-Arab)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Chenolea arabica - Boiss.	northern edge
Euphorbia isthmia -V. Tâckholm	Northern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Antilebanon high shrubs	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Development recreation/tourism	
Extraction (minerals (quarries)	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area covers about 5% of the IPA area

3.25

SY25

INTERNATIONAL SITE NAME:

Qassiun

NATIONAL SITE NAME:

قاسيون

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif-Dimashq

Dimashq

ADMINISTRATIVE DISTRICT:

Al-Tall

Al-Kiswe

Qatana

CENTRAL COORDINATES:

33.5584N, 36.2910E

ALTITUDE OF SITE :

Min: 780–Max: 1467 - Mean: 950 mASL

SHORT DESCRIPTION OF THE SITE:

Qassiun, is an elongated mountain runs in a north-east south-west direction at the foothills of the Anti-Lebanon, it overlooks the capital city of Damascus and its famous Ghouta plain. This mountain forms an integral part of the Anti-Lebanon chain; it is the lowest and the last one before the Syrian Steppes. It has arid-mediterranean bioclimatic conditions. The importance of this site comes from the high occurrence of steneoendemics which are rare and localized; some are thought to be extinct like *Iris*

damascena because of the high urbanization pressure. The IPA has a length of 45 km, and an average width of 5 km, it culminates at (1467) m. east of *At Tall*

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No / don't know**
Melica pannosa - Boiss.	Don't know	yes		SY-LB	No	Yes
Biarum aleppicum - Thiébaut	Don't know	Yes		SY	No	Yes
Colchicum tuviae - Feinbr.	Don't know	Yes		No	No	Yes
Scilla hanburyi - Baker	Yes/ Expert opinion	yes	Yes	No	No	Yes
Ornithogalum billardieri - mt	Don't know	Yes	Yes	No	No	Yes
Bellevalia douini - Pabot et Mouterde	Yes/ Expert opinion	Yes	Yes	SY	Yes (Qassioun)	Yes (Only site)

Bellevalia palmyrensis - Feinbrun	Yes/ Expert opinion	No	yes	SY	Yes (Syrian Steppe)	Yes
Allium karyateini - Post	Don't know	No	Yes	SY	No	Yes
Allium chloranthum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Allium qasyunense - Moût.	Yes/ expert opinion	Yes	Yes	SY	Yes (Qassioun)	Yes
Crocus macrobolbos - Jovet	Yes/ Expert opinion	No	Yes	SY	No	Yes
Crocus aleppicus- Baker	No	Yes	Yes	No	No	Yes
Iris damascena - sp. nova	Yes/ Expert opinion - possibly extinct	Yes	Yes	SY	Yes (Qassioun)	Yes
Silene makmeliana - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Gypsophila polygonoides - Willd. Ssp. *Barradensis* Boiss.	Don't know	Yes	Yes	SY	Yes (Qasioun-Rakhle)	Yes
Gypsophila filicaulis - Boiss.	No	Yes	Yes	SY-LB	No	Yes
Anemone coronaria - L.	Yes/ Expert	Yes	Yes	SY	Yes (Qassioun)	Yes

var. *alba* Goaty & Pons	opinion					
Sisymbrium damascenum - Boiss. et Gaill.	Don't know	Yes	Yes	SY-LB	No	Yes
Erucaria boveana - Coss.	No	No	Yes	No	No	Yes
Alyssum damascenum - Boiss. et Gaill.	No	Yes	Yes	No	No	Yes
Chorispora syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Matthiola damascena - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Qalamoun-N palmyrene) Mts.	Yes
Sedum louisii - Frôd	Yes/ Expert opinion	Yes	yes	SY	Yes (Qassioun)	Yes
Astragalus psilodontius - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (lower Anti-Lebanon)	Yes
Astragalus bethlehemiticus -Boiss.	No	Yes	Yes	No	No	Yes
Astragalus lepidanthus - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Astragalus trachoniticus - Post	Don't know	No	Yes	SY	No	Yes

Hedysarum coelesyriacum - Sam.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Onobrychis gaillardotii - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	yes (Qassioun-Damascus)	Yes
Haplophyllum fruticulosum - Labili.	No	Yes	Yes	SY-LB	No	Yes
Euphorbia phymatosperma - Boiss. et Gaill.	Don't know	Yes	Yes	No	No	Yes
Eryngium desertorum - Zohary	Don't know	Yes	Yes	SY-LB	No	Yes
Scandîx damascena - Bornm.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Qassioun)	Yes
Chaetosciadium trichospermum - (L.) Boiss.	No	Yes	Yes	No	No	Yes
Heliotropium rotundifolium - Sieb. ex Lehm.	Don't know	Yes	Yes	No	No	Yes
Scutellaria utriculata - Labili.	Don't know	Yes	yes	SY-LB	yes (Anti-Lebanon)	Yes
Stachys palaestina - L.	Don't know	Yes	Yes	No	No	Yes
Verbascum ptychophyllum - Boiss.	Don't know	Yes	yes	SY-LB	Yes (Anti-Lebanon-Jabal Al-	Yes

					Arab)	
Verbascum leptostachyum - DC.	No	yes	Yes	SY-LB	No	No
Campanula euclasta - Boiss.	No	Yes	Yes	SY-LB	Yes (Qalamoun)	Yes
Postia lanuginosa - (DC.) Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Qalamoun)	Yes
Echinops polyceras - Boiss.	No	Yes	Yes	No	No	Yes
Onopordum syriacum - Holmboe	Don't know	Yes	yes	SY	Yes (Damascus-Hauran)	Yes
Centaurea damascena - Boiss.	Don't know	yes	Yes	SY	Yes (Damascus-Hauran)	Yes
Centaurea ainetensis - Boiss.	Don't know	Yes	Yes	SY	Yes (Sub-arid S. Steppe)	Yes

A.2 Site contains species at the edge of their geographical range?
NO

B The site is rich in endemic species?
YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole**

	Mediterranean (yes /no)
Syrian steppe High Plateau	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Extraction (minerals (quarries)	
Development (Urbanisation)	
Development recreation/tourism	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area is located within the IPA

3.26

SY26

INTERNATIONAL SITE NAME:

Rakhleh-Wadi al Qarn

NATIONAL SITE NAME:

رخلة وادي القرن

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif Dimashq

ADMINISTRATIVE DISTRICT:

Qatana

CENTRAL COORDINATES:

33.5020N, 35.9797E

ALTITUDE OF SITE :

Min: 950–Max:2000 - Mean: 1450 mASL

SHORT DESCRIPTION OF THE SITE:

Rakhleh-Wadi al Qarn is an upland area on the northern slopes of Mount Hermon, which rises between 1000 - 2000 meters; the whole area is adjacent to the Lebanese borders. The unique position of the site between the main Anti-Lebanon chain and Hermon contributes to its rich important flora species, and the availability of Anti-Lebanon and Hermon endemics. The presence of nationally threatened oak species *Quercus brantii*, and *Quercus boissieri* add another important value to the site which receives relatively good rains and is put under the sub-humid Mediterranean bioclimatic zone.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No/ don't know**
Ophioglossum vulgatum - L.	Yes/ Expert opinion	No	No	No	No	Yes
Melica pannosa - Boiss.	Don't know	yes	Yes	SY-LB	No	Yes
Agropyron libanoticum - Hack	Don't know	Yes	Yes	SY-LB	No	Yes

Triticum dicoccoides - Kôrnicke	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Eminium spiculatum - Blume	Don't know	No	Yes	No	No	Yes
Asphodeline damascena - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Lloydia rubroviridis - Boiss. etKy	Don't know	Yes	Yes	No	No	Yes
Ornithogalum billardieri - mt	Don't know	Yes	Yes	No	No	Yes
Bellevalia densiflora - Boiss.	Don't know	Yes	Yes	SY	No	Yes
Allium chloranthum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Allium zebdanense- Boiss. et Noë	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Lebanon-Anti-Lebanon)	Yes
Crocus ochroleucus- Boiss.	Yes/Expert opinion	Yes	Yes	No	No	Yes
Crocus aleppicus- Baker	No	Yes	Yes	No	No	Yes
Iris calcarea- Dinms.	Yes/Expert opinion	Yes	Yes	SY	Yes	Yes
Orchis coriophora - L. ssp. *fragrans*	Yes/ Expert opinion	No	No	No	No	Yes

(Poil.) Camus						
Orchis collina - Banks et Sol.	Yes/ expert opinion	Yes	No	No	No	Yes
Orchis anatolica - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Orchis laxiflora- Lam., ssp. *dielsiana* Soô	Yes/ expert opinion	No	No	No	No	Yes
Quercus brantii - *Lindley.*	Yes/ Expert opinion	Yes	No	No	No	Yes
Quercus boissieri - *Reut.*	Yes/ Exprt opinion	Yes	Yes	No	No	Yes
Aristolochia poecilantha - Boiss.	Don't know	Yes	Yes	No	No	Yes
Aristolochia scabridula - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Gypsophila mollis - Boiss.	Don't know	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Gypsophila polygonoides - Willd. Ssp. *Barradensis* Boiss.	Don't know	Yes	Yes	SY	Yes (Qasioun-Rakhle)	Yes
Berberis libanotica - Ehrenb.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Aubrietia libanotica - Boiss.	Don't know	Yes	Yes	No	No	Yes
Malcolmia exacoides -D.C.	Don't know	Yes	Yes	SY-LB	No	Yes

Amygdalus agrestis - Boiss.	Yes / expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Pirus syriaca - Boiss.	Yes/ Expert opinion	Yes	yes	No	No	Yes
Crataegus azarolus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Cotoneaster nummularia - *Fisch. et Mey.*	Yes/ Expert opinion	No	No	No	No	Don't know
Trigonella strangulata -Boiss.	Don't know	Yes	yes	SY-LB	No	Yes
Trifolium plebeium - Boiss.	No	Yes	Yes	SY-LB	No	Yes
Trifolium medusaeum - Blanche ex Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	No
Astragalus psilodontius - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (lower Anti-Lebanon)	Yes
Astragalus zachlensis - Bunge.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Astragalus bethlehemiticus - Boiss.	No	Yes	Yes	No	No	Yes
Astragalus lepidanthus - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Astragalus heliopolitanus - Moût.	Don't know	Yes	Yes	SY-LB	Yes (lower Anti-Lebanon)	Yes

Pistacia palaestina - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Acer hermoneum - Bornm. et Schwer.	Yes/ Expert opinion	Yes	No	No	No	Yes
Euphorbia phymatosperma - Boiss. et Gaill.	Don't know	Yes	Yes	No	No	Yes
Euphorbia reuteriana - Boiss.	Don't know	Yes	Yes	No	No	Yes
Alcea damascena - Moût	Don't know	Yes	Yes	SY-LB	No	Yes
Hypericum libanoticum - N. Robson,	Don't k know	yes	yes	SY-LB	No	No
Hippomararthrum boissieri - Reut. et Hausskn.	No	Yes	Yes	No	No	Yes
Prangos asperula - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Bunium pestalozzae - Boiss. Diagn.	Don't know	Yes	Yes	No	Yes (High Levant Mts)	Yes
Ferula hermonis - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon)	Yes
Ferula biverticillata - Thiéb.	Don't know	Yes	Yes	No	Yes (North Palestine-Golan)	Yes
Mattiastrum lamprocarpum -	Don't know	Yes	Yes	No	No	Yes

(Boiss.) Brand						
Onosma roussaei - DC.	Don't know	Yes	Yes	No	No	Yes
Symphytum palaestinum - Boiss.	No	Yes	Yes	No	No	Yes
Phlomis syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Phlomis chrysophylla - Boiss.	No	Yes	Yes	No	No	Yes
Salvia rubifolia - Boiss.	Don't know	Yes	Yes	No	No	Yes
Salvia pinardii - Boiss.	No	No	Yes	SY-LB	No	Yes
Verbascum ptychophyllum - Boiss.	Don't know	Yes	yes	SY-LB	Yes (Anti-Lebanon-Jabal Al-Arab)	Yes
Verbascum antiochium - Boiss.	Don't know	yes	yes	No	No	Yes
Verbascum leptostachyum - DC.	No	yes	Yes	SY-LB	No	No
Galium libanoticum - Ehrendorfer.	No	Yes	Yes	No	No	Yes
Callipeltis factorovskyi - (Eig) Ehrendorfer.	Don't know	Yes	Yes	No	Don't know	Yes
Valerianella soyeri - Buchinger	Yes/ Expert	Yes	yes	SY	Yes (Wadi al	Yes

in Boiss.	opinion				Qarn)	
Campanula damascena - Labili.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Anthemis lyonnetioides - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Anacyclus nigellifolius - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Cousinia pestalozzae - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Anti-Lebanon)	Yes
Centaurea damascena - Boiss.	Don't know	yes	Yes	SY	Yes (Damas-Hauran)	Yes
Tragopogon pterocarpus - DC.	Don't know	Yes	Yes	No	No	Yes
Crepis pterothecoides - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Lebanon-Jabal Al-Arab)	Yes
Crepis syriaca - (Bornm.) Babcock et Nav.	No	Yes	Yes	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Levant Sub- Alpine meadows	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area

3.27

SY27

INTERNATIONAL SITE NAME:

Utaiba-Hijaneh

NATIONAL SITE NAME:

العتيبة الهيجانة

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif Dimashq

ADMINISTRATIVE DISTRICT:

Duma

CENTRAL COORDINATES:

33.4947N, 36.6473E

ALTITUDE OF SITE :

Min: 595–Max: 604 - Mean: 600 mASL

SHORT DESCRIPTION OF THE SITE:

Utiaba and Hijaneh are the names of 2 marshes located in a low plain east of Ghouta plain about 30 km east of Damascus. They are fed by the waters of *Barada* and *Al-Awaj* rivers. At the present time these marshes are completely dry as a result of water pumping from these two rivers for the domestic and agricultural usage in Damascus basin, nevertheless, the rich alluvial soil of these previously wet marshes still support some important plant species, with the presence of one narrow endemic species.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA / SYRIA-LEBANON**	**Stenoendemic / sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No / don't know**
Merendera sobolifera - C.A. Mey.	Yes / Expert opinion	No	No	No	No	Yes

Polygonum argyrocoleum - Steud.	Yes/ Expert opinion	No	No	No	No	Yes
Suaeda asphaltica- Boiss.	Yes/ Expert opinion	No	Yes	No	No	Yes
Suaeda carnosissima - Post	Yes/ Expert opinion	No	Yes	SY	Yes (Hijane-Qaryetin)	Yes
Silene linearis - Decne	Yes/ Expert opinion	No	Yes	No	No	Yes
Reaumuria alternifolia - Lab. Grande.	Don't know	No	Yes	No	No	Yes
Limonium palmyrense - (Post) Dinsm.	Don't know	No	Yes	No	Yes (Salines of the S. Steppe)	Yes
Galium chaetopodum - Rech. f.	Don't know	Yes	Yes	No	No	Yes
Onopordum macrocephalum - Eig	No	Yes	Yes	No	No	Yes
Centaurea blancheana - Mouterde	Don't know	Yes	Yes	SY	Yes	Yes
Centaurea postii -Boiss.	No	Yes	Yes	SY-LB	Yes (Sub-arid S. Steppe)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	Range
Limonium globuliferum - (Boiss. etHeldr.) O. Kuntze	southern edge

B The site is rich in endemic species?

No

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES /NO

Name of nationally threatened habitat according to Experts opinion)	Is this habitat also threatened across the whole Mediterranean (yes /no)
Intermittent marches in Syrian steppes	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Agricultural intensification/ livestock/grazing	
Water (extraction/ Drainage/ canalisation/Management system)	
Development (industry)	
Unsustainable Plant Exploitation	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Areas

3.28

SY28

INTERNATIONAL SITE NAME:

Hermon

NATIONAL SITE NAME:

جبل الشيخ

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif Dimashq

Quneitra

ADMINISTRATIVE DISTRICT:

Qatana (Rif Dimashq)

Quneitra (Quneitra)

CENTRAL COORDINATES:

33.3342N, 35.8252E

ALTITUDE OF SITE :

Min: 550–Max: 2814 - Mean: 1880 mASL

SHORT DESCRIPTION OF THE SITE:

Mount Hermon is the southernmost section of the Anti-Lebanon Mountains, and the highest mountain of Syria culminating at (2814) m. Its crest line forms the border line between Syria and Lebanon. Unlike Anti-Lebanon chain, Mount Hermon receives high precipitation due to its proximity to the Galilee-Golan gap which let the humid Mediterranean air enter further inland. Sub-alpine to alpine vegetation types prevail in high altitudes, whereas many localized endemics, Anti-Lebanon endemics are common within this IPA, at lower altitudes some relict nationally threatened *Quercus boissieri*, and *Quercus look* are found.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No/ don't know**
Juniperus excelsa- M.B.	Yes/ Expert opinion	No	No	No	No	Yes
Triticum dicoccoides - Kôrnicke	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Colchicum tunicatum- Feinbr.	Don't know	Yes	Yes	No	No	Yes
Colchicum tauri - Siehe	Don't know	yes	Yes	No	No	Yes
Asphodeline isthmocarpa- J. Gay.	Yes/ Expert opinion	Yes	Yes	No	Yes (Taurus-Cappadocia)	Yes
Ornithogalum billardieri - mt	Don't know	Yes	Yes	No	No	Yes
Bellevalia hermonis - mt	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Anti Lebanon	Yes
*Allium phaneranthe*rum-	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Lebanon	Yes

Boiss. et Hkn					Mts.)	
Allium chloranthum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Crocus thiebauti- Moût.,	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon)	Yes
Crocus cancellatus var. *Hermoneus* - Herbert	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes	Yes
Orchis iberica - Bieb.	Yes/ expert opinion	No	No	No	No	Yes
Romulea nivalis - Boiss et Ky	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Lebanon-Anti-Lebanon)	Yes
Quercus look- Ky.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Quercus boissieri - Reut.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Thesium heterophyllum - Boiss.	Yes/ Expert opinion	Yes	yes	No	No	Yes
Polygonum libani - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Lebanon Mts.)	Yes
Minuartia labillardieri - Briquet	Yes/ Expert opinion	Yes	yes	SY-LB	Yes (Hermon-Lebanon Mts.)	Yes
Silene astartes - Blanche	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Lebanon Mts.)	Yes

Saponaria pulvinaris- Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Delphinium virgatum - Poir.	No	Yes	Yes	SY	No	Yes
Draba oxycarpa - Boiss.	Don't know	Yes	Yes	SY	yes (Anti-Lebanon-Hermon)	Yes
Malcolmia exacoides -D.C.	Don't know	Yes	Yes	SY-LB	No	Yes
Rosularia parvifolia - Frod. et Sam.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Hermon)	Yes
Cotoneaster nummularia - Fisch. et Mey.	Yes/ Expert opinion	No	No	No	No	Yes
Sedum palaestinum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Prunus ursina - Ky.	Don't know	Yes	Yes	No	No	Yes
Trifolium modestum - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus hirsutissimus - D.C.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus baalbekensis - Bornm.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Astragalus gaillardotii - Boiss	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon)	Yes
Astragalus coluteoides -Will	No	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Astragalus	Yes/ Expert	Yes	Yes	SY-LB	Yes (High	Yes

hermoneus - Boiss.	opinion				Levant Mts.)	
Erodium trichomanifolium - L'Hér.	Don't know	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Linum toxicum - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon summit)	yes
Euphorbia erinacea -Boiss. et Ky	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Euphorbia phymatosperma - Boiss. et Gaill.	Don't know	Yes	Yes	No	No	Yes
Euphorbia caudiculosa - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon summit)	Yes
Exoacantha heterophylla - Labili.	Don't know	yes	Yes	No	No	Yes
Scaligeria hermonis - Post	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Lebanon Mts.)	Yes
Prangos hermonis - Boiss.	Don't know	Yes	Yes	SY	Yes (Hermon-Jabal Al-Arab)	Yes
Bupleurum dichotomum - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Bupleurum libanoticum - Boiss. et Bl.	Don't know	Yes	Yes	No	Yes (Coastal Mts.-Lebanon)	Yes
Ferula hermonis - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon)	Yes

Acantholimon libanoticum - Boiss.	Don't know	Yes	yes	SY-LB	Yes (High Levant Mts.)	Yes
Mattiastrum lamprocarpum - (Boiss.) Brand	Don't know	Yes	Yes	No	No	Yes
Onosma caerulescens - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon-Lebanon Mts.)	Yes
Marrubium libanoticum - Boiss.	Don't know	Yes	yes	No	No	Yes
Phlomis syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Phlomis brevilabris - Ehrenb.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Phlomis chrysophylla - Boiss.	No	Yes	Yes	No	No	Yes
Stachys nivea - Labili.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon)	Yes
Stachys palaestina - L.	Don't know	Yes	Yes	No	No	Yes
Salvia rubifolia - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Salvia pinardii - Boiss.	No	No	Yes	SY-LB	No	Yes
Verbascum tiberiadis -Boiss.	No	Yes	Yes	No	Don't know	Yes
Linaria damascena -	Don't	Yes	Yes	SY-LB	Yes (Hermon-Jabal Al-	Yes

Boiss. et Gaill.	know				Arab)	
Veronica polifolia - Benth.	No	Yes	Yes	No	No	Yes
Orobanche hermonis - Mouterde	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (hermon)	Yes
Galium libanoticum - Ehrendorfer.	No	Yes	Yes	No	No	Yes
Callipeltis factorovskyi - (Eig) Ehrendorfer.	Don't know	Yes	Yes	No	Don't know	Yes
Anacyclus nigellifolius - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus-Coastal Mts.-Lebanon)	Yes
Tanacetum densum - (Labili.) Schultz Bip.	Yes/ Expert opinion	Yes	yes	SY-LB	Yes (Hermon-Anti Lebanon)	Yes
Tanacetum aucheri - DC.	Don't know	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Cousinia hermonis - Boiss.	Don't know	yes	Yes	No	Yes (Anti-Lebanon-Hermon)	Yes
Cirsium phyllocephalum - Boiss. et Blanche in Boiss.	Don't know	Yes	Yes	No	No	Yes
Centaurea damascena - Boiss.	Don't know	yes	Yes	SY	Yes (Damas-Hauran)	Yes
Centaurea speciosa - Boiss.	Don't know	Yes	Yes	No	Don't know	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Cucubalus baccifer - L.	Southern edge
Acantholimon ulicinum - (Schultes) Boiss.	Southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Levant Sub- Alpine meadows	No
Levant high mountain Nival Habitat	No
Quercus boissieri woodland	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Agricultural expansion	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Development recreation/tourism	
Construction impact of dyke/dam/barrier	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area within this IPA

3.29

SY29

INTENRATIONAL SITE NAME :

North Golan

NATIONAL SITE NAME :

شمال الجولان

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Quneitra

ADMINISTRATIVE DISTRICT:

Quneitra

CENTRAL COORDINATES:

33.0386N, 35.8045E

ALTITUDE OF SITE :

Min: 270–Max: 1350 - Mean: 980 mASL

SHORT DESCRIPTION OF THE SITE:

This IPA encompasses the northern parts of Golan Heights, which is a volcanic plateau of southwestern Syria. The northern limits of this site touch the foothills of Mount Hermon. The whole site is exposed to Mediterranean effects and it lies in the sub-humid Mediterranean bioclimatic zone. Permanent pools and small lakes are common in this IPA. Relict woodland of nationally threatened *Quercus ithaburensis* is found within the IPA area. Many narrow endemics, Galilee and north Palestine endemics reach in its limit distribution to this IPA.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened? and) category if known	Endemic to the Mediterranean?	Endemic to the LEVANT	Endemic to SYRIA/ SYRIA-LEBANON	Stenoendemic/ sub national endemic	Is this one of the five best sites for this species in your country? Yes/No/ don't know
Crocus cancellatus var. *Hermoneus* - Herbert	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon)	Yes
Sparganium neglectum - Beeby	Yes/ Expert opinion	No	No	No	No	Yes
Cornucopiae alopecuroides- L.	Don't know	Yes	Yes	No	No	Yes
Heleochloa acutiglumis- Boiss.	Yes/Expert opinion	Yes	Yes	SY-LB	No	Yes
Pilgerochloa blanche- Boiss	Don't know	Yes	Yes	SY-LB	No	Yes
Bromus syriacus - Boiss.	Don't know	yes	Yes	No	No	Yes
Asphodeline edumea - Zohary	Don't know	Yes	Yes	No	No	Yes
Fritillaria libanotica - Boiss. Baker	Don't know	Yes	Yes	No	No	Yes
Ornithogalum fucescens -Boiss. et Gaill.	Yes/ Expert opinion	Yes	Yes	No	No	Yes

Allium damascenum - Feinbr.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Golan)	
Allium wiedemannianum - Regel	Yes/ expert opinion	Yes	Yes	No	Yes (Golan and Jabal Al-Arab	
Pancratium parviflorum - Decne	Yes/ Expert opinion	Yes	Yes	No	No	
Iris bismarckiana- Regel	Yes/Expert opinion	Yes	Yes	No	Yes	Yes
Ophrys sintenesii - Fleischm. et Bornm.	Yes/ expert opinion	Yes	No	No	No	Yes
Orchis laxiflora- Lam., ssp. *dielsiana* Soô	Yes/ expert opinion	No	No	No	No	Yes
Quercus ithaburensis - Decne	Yes/ Expert opinion	Yes	No	No	No	No
Aristolochia poecilantha - Boiss.	Don't know	Yes	Yes	No	No	Yes
Silene physalodes - Boiss.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Golan)	Yes
Dianthus pendulus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Delphinium virgatum - Poir.	No	Yes	Yes	SY	Yes	Yes
Ceratocapnos palaestina -Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Sedum assyriacum - Boiss.	Yes/ expert	Yes	Yes	SY	Yes (Jabal Al-	Yes

Var. *minus*	opinion				Arab -Golan)	
Trigonella berythea - Boiss. et Bl.	Don't know	Yes	Yes	No	No	Yes
Trifolium salmoneum - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Golan-Jabal Al-Arab)	Yes
Trifolium eriosphaerum - Boiss.	No	Yes	Yes	No	No	Yes
Vicia esdraëlonensis- Warburg et Eig	Yes/ Expert opinion	Yes	Yes	No	Yes (Houla-Esdrelon)	Yes
Alcea kurdica - Schlecht.	No	Yes	Yes	No	No	Yes
Callitriche naftolskyi - Warb. et Eig	Yes/ Expert opinion	Yes	Yes	No	Yes (Palestine)	Yes
Callitriche sp. nova. (Mout)	Yes/ Expert opinion	Yes	Yes	SY	Yes (Golan-Jabal Al-Arab)	Yes
Cyclotaxis palaestina - Boiss. Diagn.	Don't know	Yes	Yes	No	Yes (North Palestine-Jabal Al-Arab)	Yes
Ferula biverticillata - Thiéb.	Don't know	Yes	Yes	No	Yes (North Palestine-Golan)	Yes
Peucedanum junceum - (Boiss.) Moût.	No	Yes	Yes	No	No	Yes
Symphytum palaestinum -	No	Yes	Yes	No	No	Yes

Boiss.						
Sideritis pullulans - Vent.	Don't know	Yes	yes	No	No	Don't know
Stachys distans - Benth. in DC.	Don't know	Yes	yes	No	No	Yes
Stachys paneiana -Moût.	Yes/ Expert opinion	Yes	Yes	SY	yes (Golan) stn	Yes
Salvia hierosolymitana - Boiss.	Don't know	Yes	yes	No	Don't know	Yes
Origanum syriacum - L.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Verbascum tiberiadis -Boiss.	No	Yes	Yes	No	Don't know	Yes
Verbascum caesareum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Scrophularia rubricaulis - Boiss.	Don't know	Yes	Yes	No	No	Yes
Galium judaicum - Boiss.	Don't know	Yes	yes	No	Don't know	Yes
Campanula camptoclada - Boiss.	Don't know	Yes	Yes	No	No	Yes
Pulicaria auranitica - Mouterde	Don't know	Yes	Yes	No	Yes (Basalt puddles)	Yes
Onopordum cynarocephalum - Boiss. et Bl.	Don't know	yes	Yes	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

NO

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Intermittent Pools in basaltic rocks	yes
Tabor Oak woodlands	yes

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion and intensification	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Development (transport/infrastructure)	
Development recreation/tourism	
Habitat Fragmentation/Isolation	

Construction impact of dyke/dam/barrier	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

There is a small Protected Area without Management Plan within the IPA limits, it compreises about 6% of the IPA area.

3.30

SY30

INTERNATIONAL SITE NAME:

Es Safa

NATIONAL SITE NAME:

الصفا

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Rif-Dimashq

ADMINISTRATIVE DISTRICT:

Duma

CENTRAL COORDINATES:

33.1911N, 35.8045E

ALTITUDE OF SITE :

Min: 585–Max: 730 - Mean: 630 mASL

SHORT DESCRIPTION OF THE SITE:

Es Safa, is a volcanic region of southeastern Syria, It forms a part of the northeastern *Harrat Ash Shamah* massive alkaline volcanic field which is considered to be the largest volcanic field of the Arabian plate, extending from southern Syria to northwestern Saudi Arabia through Jordan, of this larger volcanic area As Safa field is considered by volcanologists to be the youngest lava field of the eastern Mediterranean. an area of seasonal marshlands circle the core lava field. Tree cover is almost absent except some relict scattered *Pistacia atlantica* trees at the fringes of the lava field. The main vegetation is low shrubs which is typical to the Syrian steppes. Some Saharo-Arabian plant species reach their northernmost edge of distribution in this site.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	Species is nationally threatened? and) category if known	Endemic to the Mediterranean?	Endemic to the Levant	Endemic to SYRIA / SYRIA - LEBANON	Stenoendemic/ sub national endemic	Is this one of the five best sites for this species in your country? Yes/No/ don't know
Silene linearis - Decne	Yes/ Expert opinion	No	Yes	No	No	Yes
Onobrychis pinnata-Bertol.	Don't know	No	Yes	SY	Yes (Mountains of the S. Steppe)	Yes
Euphorbia chesneyi - Klotsch & Garcke	Don't know	No	Yes	No	Yes (Syrian Steppe)	Yes
Pistacia atlantica - Desf.	Yes/ Expert opinion	No	No	No	No	No
Vincetoxicum dionysiense - Moût.	Yes/ Expert opinion	Yes	Yes	No	Yes (Jabal Al-Arab-Lebanon)	Yes
Phlomis brachyodon - (Boiss.) Zohary.	Don't know	Yes	Yes	No	No	Yes
Thymus syriacus - Boiss.	Yes/ Expert opinion	Yes	No	No	No	Yes
Kickxia gombaultii - (Thiéb.) Moût.	Don't know	No	Yes	SY	Yes (Syrian Steppe)	Yes

Pulicaria auranitica - Mouterde	Don't know	Yes	Yes	No	Yes (Basalt puddles)	No
Onopordum macrocephalum - Eig	No	Yes	Yes	No	No	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Rheum palaestinum - Feinbr.	northern edge
Mesembryanthemum forskalei - Hochst.	Northern edge
Thymus decussatus - Benth.	northern edge
Kickxia aegyptiaca - (L.) Nâbëlek.	Northern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Intermittent Pools in basaltic rocks	Yes
Pistacia atlantica open woodlands	No
Intermittent marches in Syrian steppes	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	Notes
Grazing livestock	
Collection of herbs and medicinal plants	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area within IPA

3.31

SY31

INTERNATIONAL SITE NAME:

Lajat

NATIONAL SITE NAME:

اللجاة

COUNTRY:

Syria

ADMINISTRATIVE REGION:

As-Suwayda

ADMINISTRATIVE DISTRICT:

Shahba

CENTRAL COORDINATES:

33.0058N, 36.4996E

ALTITUDE OF SITE :

Min: 650–Max: 990 - Mean: 750 mASL

SHORT DESCRIPTION OF THE SITE:

Lajat is a site of volcanic boulders and lava field inaccessible terrain, which lies just to the Northwest of Jabal al Arab massif. The surface of the area is flat, but rugged with low rocky rolling hills formed by lava flows. The area receives between 200-300 mm. which puts it in the arid-Mediterranean bioclimatic zone. The main vegetation type is

the open *Pistacia*, *Amygdalus* and *Crataegus* woodland. Some rare and threatened endemics like *Centaurea trachonitica* are found only in this place. The plant species are mainly of Irano-Tauranian affinity, with a good percentage of Mediterranean species.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened ? and) category if known**	**Endemic to the Mediterranean ?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country ? Yes/No / don't know**
Cornucopiae alopecuroides- L.	Don't know	Yes	Yes	No	Yes	Yes
Allium drusorum - Feinbr.	Yes / expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Crocus ochroleucus- Boiss.	Yes/Expert opinion	Yes	Yes	No	No	Yes
Iris bostrensis- Moût	Yes/ expert opinion	Yes	Yes	SY	Yes (Hauran, Jabal Al-Arab)	Yes
Iris melanosticta - Bornm.	Yes/ expert opinion	Yes	Yes	SY	Yes (Hauran, Jabal Al-Arab)	Yes

Aristolochia poecilantha - Boiss.	Don't know	Yes	Yes	No	No	Yes
Gypsophila filicaulis - Boiss.	No	No	Yes	SY-LB	No	Yes
Consolida gombaultii - Thiéb	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Chorispora syriaca - Boiss.	No	Yes	Yes	No	No	Yes
Rosularia lineata -Boiss.	Yes/ expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab - Lajat)	Yes
Amygdalus korschinskii - Hand.-Mazz.	Yes / expert opinion	Yes	Yes	No	No	Yes
Medicago galilaea - Boiss.	Don't know	Yes	Yes	No	No	Yes
Trifolium bonnevillei - Moût	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab - Lajat)	Yes
Astragalus transjordanicus - Sam.	Yes/ Expert opinion	Yes	Yes	No	Yes (Jabal Al-Arab - Transjordan)	Yes
Astragalus callichrous - Boiss.	Don't know	Yes	Yes	No	No	Yes
Astragalus trachoniticus - Post	Don't know	No	Yes	SY	No	Yes
Lathyrus gleosperma - Warb. et Eig	Yes/ Expert opinion	Yes	Yes	No	Yes (Jabal Al-Arab + Galilee)	Yes

Euphorbia physocaulos - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab - Lajat)	Yes
Pistacia atlantica - Desf.	Yes/ Expert opinion	No	No	No	No	Yes
Cachrys goniocarpa - Boiss.	No	Yes	yes	No	Yes (North-Syria, Jabal Al-Arab)	Yes
Synelcosciadium carmeli - (Labili.) Boiss.	No	Yes	Yes	No	No	Yes
Symphytum palaestinum - Boiss.	No	Yes	Yes	No	No	Yes
Nepeta trachonitica - Post	Don't know	Yes	yes	No	Yes (Jabal Al-Arab - South turkey)	Yes
Verbascum tiberiadis - Boiss.	No	Yes	Yes	No	Don't know	Yes
Galium chaetopodum - Rech. f.	Don't know	Yes	Yes	No	No	Yes
Callipeltis factorovskyi - (Eig) Ehrendorfer.	Don't know	Yes	Yes	No	Don't know	Yes
Pulicaria auranitica - Mouterde	Don't know	Yes	Yes	No	Yes (Basalt puddles)	Yes
Onopordum macrocephalum - Eig	No	Yes	Yes	No	No	Yes

Onopordum syriacum - Holmboe	Don't know	Yes	yes	SY	Yes (Damascus-Hauran)	Yes
Centaurea damascena - Boiss.	Don't know	yes	Yes	SY	Yes (Damascus-Hauran)	Yes
Centaurea trachonitica - Post	Yes/ Expert opinion	Yes	Yes	SY	Yes (Lajat)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Rheum palaestinum - Feinbr.	northern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Intermittent Pools in basaltic rocks	Yes
Pistacia atlantica open woodlands	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
grazing	
Unsustainable Plant Exploitation	
Gathering wood for cooking and	

heating	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Protected Area in MAB UNESCO categorization without Management Plan.

3.32

SY32

INTERNATIONAL SITE NAME:

Jabal al Arab

NATIONAL SITE NAME:

جبل العرب

COUNTRY:

Syria

ADMINISTRATIVE REGION:

As-Suwayda

ADMINISTRATIVE DISTRICT:

Shahba

As-Suwayda

CENTRAL COORDINATES:

32.585274N 36.706292E

ALTITUDE OF SITE :

Min: 920–Max: 1803 - Mean: 1300 mASL

SHORT DESCRIPTION OF THE SITE:

Jabal al Arab (Also known as ***Jabal Druze*** or ***Jabal Hauran***) is an elevated volcanic massif which extends over a large surface of Southern Syria. It is a high plateau which has the shape of an extended oval convex extending about 60 km north-south; and 30 km west-east, it culminates at *Tall Ghineh* (1803) m in the core of the IPA. No permanent water courses are found in this IPA, nevertheless, many valleys drain this mountain called locally (Wadi's); the valleys of the eastern slopes are deep and relatively short while those of the western slopes are longer and of a little depth, there are also few permanent and seasonal lakes and pools within the IPA area. Jabal al Arab is entirely exposed to the Mediterranean winds via the Golan-Galilee gap. The presence of remarkable Mediterranean effects accompanied by the altitudinal factor contributes

to the existence of two bioclimatic sub-divisions within this IPA, the sub-humid Mediterranean, and the semi-arid Mediterranean zones. the proximity to the Syrian steppe just to the east, the unique volcanic soil, the exposure to the Mediterranean sea are factors that make This IPA as the second Syrian site for the availability of many National, sub-national, and narrow endemics.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No/ don't know**
Isoetes olympica- A. Br.	Yes/ expert opinion	Yes	No	No	Yes	Yes
Asplenium trichomanes- L.	Yes/ expert opinion	No	No	No	No	Yes
Phyllitis hemionitis- Lag	Yes/Expert opinion	Yes	No	No	No	Yes
Cornucopiae alopecuroides- L.	Don't know	Yes	Yes	No	Yes	Yes
Heleochloa acutiglumis- Boiss.	Yes/Expert opinion	Yes	Yes	SY-LB	Yes	Yes
Pilgerochloa blanche- Boiss	Don't know	Yes	Yes	SY-LB	No	Yes

Triticum dicoccoides - Kôrnicke	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Eminium spiculatum -Blume	Don't know	No	Yes	No	No	Yes
Monocaryum fasciculare - Roem.	Yes/ Expert opinion	Yes	Yes	SY	Yes	Yes
Asphodeline brevicaulis - Ssp. *druzorum* (Bertol.)	Yes/ Expert opinion	Yes	Yes	SY	Yes	Yes
Gagea procera - Mt	Yes/ Expert opinion	Yes	Yes	No	Yes (Jabal Al-Arab)	Yes
Fritillaria libanotica - Boiss. Baker	Don't know	Yes	Yes	No	No	Yes
Ornithogalum fucescens -Boiss. et Gaill.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Bellevalia densiflora - Boiss.	Don't know	Yes	Yes	SY	No	Yes
Allium drusorum - Feinbr.	Yes / expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Allium wiedemannianum - Regel	Yes/ expert opinion	Yes	Yes	No	Yes (Golan and Jabal Al-Arab	
Iris bostrensis- Moût	Yes/ expert opinion	Yes	Yes	SY	Yes (Hauran, Jabal Al-Arab)	Yes
Iris melanosticta - Bornm.	Yes/ expert opinion	Yes	Yes	SY	Yes (Hauran, Jabal Al-Arab)	Yes

Iris auranitica- Dinsmore	Yes/ expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Iris vartani- Foster.	Yes/ expert opinion	Yes	Yes	No	No	Yes
Ophrys bornmuelleri - M. Schulze	Yes/ expert opinion	Yes	Yes	No	No	Yes
Ophrys sintenesii - Fleischm. et Bornm.	Yes/ expert opinion	Yes	No	No	No	Yes
Orchis collina - Banks et Sol.	Yes/ expert opinion	Yes	No	No	No	Yes
Quercus look- Ky.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Polygonum cedrorum - Boiss. et Ky	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Silene makmeliana - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Gypsophila venusta - Fenzl	Don't know	Yes	Yes	No	No	Yes
Tunica arabica - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Nigella ciliaris - D.C.	Don't know	Yes	Yes	No	No	Yes
Delphinium venulosum - Boiss.	Yes/Expert opinion	Yes	Yes	No	No	Yes
Consolida	Yes/ Expert	Yes	Yes	SY	Yes (Jabal Al-	Yes

gombaultii -Thiéb	opinion				Arab)	
Consolida coelesyriaca - Mout	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Ranunculus chionophilus - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Fumaria cilicica- Hausskn.	Yes/ Expert opinion	Yes	Yes	No	Yes (South-Turkey)	Yes
Camelina lasiocarpa - Boiss. et Hausskn.	Don't know	Yes	Yes	SY-LB	No	Yes
Hesperis pulmonarioides- Boiss.	No	Yes	Yes	No	No	Yes
Rosularia lineata - Boiss.	Yes/ expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab -Lajat)	Yes
Cotoneaster nummularia - Fisch. et Mey.	Yes/ Expert opinion	No	No	No	No	Don't know
Crataegus azarolus - L.	Yes/ Expert opinion	No	No	No	No	Yes
Sedum palaestinum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Sedum assyriacum - Boiss. Var. *minus*	Yes/ expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab -Golan)	Yes
Amygdalus korschinskii - Hand.-Mazz.	Yes / expert opinion	Yes	Yes	No	No	Yes

Pirus syriaca - Boiss.	Yes/ Expert opinion	Yes	yes	no	No	No
Trigonella berythea - Boiss. et Bl.	Don't know	Yes	Yes	No	No	Yes
Trifolium bonnevillei - Moût	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab -Lajat)	Yes
Trifolium salmoneum - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Golan-Jabal Al-Arab)	Yes
Trifolium carmeli - Boiss.	Don't know	Yes	Yes	No	Yes (Jabal Al-Arab -Galilee)	Yes
Trifolium vavilovi - Eig	Don't know	Yes	Yes	No	Yes (Jabal Al-Arab -Galilee)	Yes
Trifolium plebeium - Boiss.	No	Yes	Yes	SY-LB	No	Yes
Trifolium alsadami - Post	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Jabal Al-Arab)	Yes
Trifolium eriosphaerum - Boiss.	No	Yes	Yes	No	No	Yes
Trifolium medusaeum - Blanche ex Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Don't know
Astragalus transjordanicus - Sam.	Yes/ Expert opinion	Yes	Yes	No	Yes (Jabal Al-Arab - Transjordan) end	Yes
Astragalus palaestinus - Eig	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Astragalus neurocarpus -	No	yes	Yes	No	No	Yes

Boiss.						
Astragalus brachystachys - D.C.	No	yes	Yes	No	No	Yes
Astragalus zachlensis - Bunge.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Astragalus bethlehemiticus - Boiss.	No	Yes	Yes	No	No	Yes
Astragalus hasbeyanus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	No	Yes
Astragalus cucullaris -Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Astragalus heliopolitanus - Moût.	Don't know	Yes	Yes	SY-LB	Yes (lower Anti-Lebanon)	Yes
Astragalus hermoneus - Boiss.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (High Levant Mts.)	Yes
Onobrychis megataphros - Boiss.	Don't know	Yes	Yes	No	Yes (Amanus+ Jabal Al-Arab)	Yes
Vicia dionysiensis - Moût	Yes/Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Lathyrus ciliolatus - Sam.	Don't know	Yes	Yes	SY-LB	No	Yes
Lathyrus chrysanthus - Boiss.	Don't know	Yes	Yes	No	No	Yes
Lathyrus gleosperma -	Yes/ Expert	Yes	Yes	No	Yes (Jabal Al-Arab +	Yes

Warb. et Eig	opinion				Galilee)	
Acer hermoneum - Bornm. et Schwer.	Yes/ Expert opinion	Yes	No	No	No	Yes
Euphorbia physocaulos - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab -Lajat)	Yes
Pistacia atlantica - Desf.	Yes/ Expert opinion	No	No	No	No	Yes
Rhamnus palaestina - Boiss.	Don't know	Yes	Yes	No	No	Yes
Callitriche sp. nova. (Mout)	Yes/ Expert opinion	Yes	Yes	SY	Yes (Golan-Jabal Al-Arab)	Yes
Cyclotaxis palaestina - Boiss. Diagn.	Don't know	Yes	Yes	No	Yes (North Palestine-Jabal Al-Arab)	Yes
Daucus aureus - Desf.	Yes/ Expert opinion	Yes	No	No	No	Yes
Chaetosciadium trichospermum - (L.) Boiss.	No	Yes	Yes	No	No	Yes
Scaligeria hermonis - Post	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Hermon-Lebanon Mts.)	Yes
Hippomararthrum boissieri - Reut. et Hausskn.	No	Yes	Yes	No	No	Yes
Astoma seselifolium - D.C.	Don't know	Yes	Yes	No	No	Yes
Smyrniopsis syriaca -Boiss.	Yes/ Expert	Yes	Yes	SY-LB	Yes (Lebanon-	Yes

Diagn.	opinion				Jabal Al-Arab)	
Cachrys goniocarpa - Boiss.	No	Yes	Yes	No	Yes (North-Syria, Jabal Al-Arab)	Yes
Prangos hermonis - Boiss.	Don't know	Yes	Yes	SY	Yes (Hermon-Jabal Al-Arab)	Yes
Bunium pestalozzae - Boiss. Diagn.	Don't know	Yes	Yes	No	Yes (High Levant Mts.)	Yes
Ferula armandii - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Ferulago auranitica - Post	Don't know	Yes	Yes	SY	yes (Jabal Al-Arab - Hauran) end	Yes
Vincetoxicum dionysiense - Moût.	Yes/ Expert opinion	Yes	Yes	SY-LB	Yes (Jabal Al-Arab - Lebanon) end	Yes
Myosotis macrosiphon - Font Quer et Maire	Yes/ Expert opinion	No	No	No	Yes (Volcanic Mts.)	Yes-The only
Nepeta bithynica - Bornm.	Don't know	Yes	Yes	No	Yes (High Levant Mts,)	Yes
Nepeta trachonitica - Post	Don't know	Yes	Yes	No	Yes (Jabal Al-Arab - South turkey)	Yes
Stachys libanotica - Benth. in D.C.	Don't know	Yes	Yes	No	No	Yes
Salvia pinardii - Boiss.	No	No	Yes	SY-LB	No	Yes

Salvia drusica - Moût.	Yes/ Expert opinion	Yes	Yes	SY	Yes (Jabal Al-Arab) localized	Yes
Salvia russellii - Banks et Sol.	Don't know	Yes	Yes	No	Yes (South turkey- Jabal Al-Arab)	Yes
Thymus kotschyanus - Boiss. et Hoh.	Yes/ Expert opinion	No	No	No	No	Yes
Verbascum tiberiadis -Boiss.	No	Yes	Yes	No	Don't know	Yes
Verbascum ptychophyllum - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Anti-Lebanon- Jabal Al-Arab)	Yes
Verbascum qulebicum - Post emend. Mouterde	Don't know	Yes	Yes	No	yes (Jabal Al-Arab - Galilee) end	Yes
Linaria damascena - Boiss. et Gaill.	Don't know	Yes	Yes	SY-LB	Yes (Hermon- Jabal Al-Arab)	Yes
Mosheovia galilaea - Eig.	Yes/ Expert opinion	yes	Yes	No	Yes (Jabal Al-Arab -Galilee)	Yes
Scrophularia rubricaulis - Boiss.	Don't know	Yes	Yes	No	No	Yes
Veronica leiocarpa - Boiss.	No	Yes	Yes	SY-LB	No	Don't know
Galium chaetopodum - Rech. f.	Don't know	Yes	Yes	No	No	Yes
Galium judaicum - Boiss.	Don't know	Yes	yes	No	Don't know	Yes

Callipeltis factorovskyi - (Eig) Ehrendorfer.	Don't know	Yes	Yes	No	Don't know	Yes
Bryonia lasiocarpa - Mouterde	Yes/ Expert opinion	yes	Yes	SY	Yes (Jabal Al-Arab)	Yes
Pulicaria auranitica - Mouterde	Don't know	Yes	Yes	No	Yes (Basalt puddles)	Yes
Anthemis cornucopiae - Boiss.	Yes/ Expert opinion	Yes	Yes	No	Yes (Palestine)	Yes
Anthemis rascheyana - Boiss.	Don't know	Yes	Yes	SY-LB	No	Yes
Cousinia ramosissima -DC.	No	Yes	Yes	No	No	Yes
Cirsium phyllocephalum - Boiss. et Blanche in Boiss.	Don't know	Yes	Yes	No	No	Yes
Centaurea onopordifolia - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Lebanon-Jabal Al-Arab)	Yes
Centaurea verutum - L.	No	Yes	Yes	No	No	Yes
Crepis pterothecoides - Boiss.	Don't know	Yes	Yes	SY-LB	Yes (Lebanon-Jabal Al-Arab)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Polygonum venantianum - Clem.	Southern edge
Crataegus sinaica - Boiss.	Northern edge
Callitriche truncata - Guss.	Southern edge
Anthriscus nemorosa - (M. Bieb.) Spreng.	Southern edge
Galium tenuissimum - M. Bieb.	Southern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Intermittent Pools in basaltic rocks	No
Pistacia atlantica open woodlands	No
Quercus look open woodlands	No

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering leaves and branches for fodder	

Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Removal/burning of weeds in the near agricultural lands	
Extraction (minerals (quarries)	
Development recreation/tourism	
Development (Urbanisation)	
Development (transport/infrastructure)	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

Small protected area without management plan only comprises about 2% of the IPA area.

3.33

SY33

INTERNATIONAL SITE NAME:

Yarmuk valley

NATIONAL SITE NAME:

وادي اليرموك

COUNTRY:

Syria

ADMINISTRATIVE REGION:

Dar'a

Quneitra

ADMINISTRATIVE DISTRICT:

Dar'a (Dar'a)

Fiq (Quneitra)

CENTRAL COORDINATES:

32.7571N, 35.7751E

ALTITUDE OF SITE :

Min: -120–Max: 470 - Mean: 100 mASL

SHORT DESCRIPTION OF THE SITE:

Yarmuk valley is a deep canyon with sheer fringes, lies in the southwestern corner of the country. It is formed by Yarmuk River which draws the Syrian-Jordanian frontier line cutting its course through the Hauran plateau on both sides. Other watercourses join Yarmuk valley from the northern side which become also deep gullies when they reach the main canyon. The lower part of Yarmuk valley is below sea level when the canyon joins the main Jordan valley depression. This site is regarded as the only one in which many tropical, and Saharo-Arabian species find its northernmost extension.

CRITERIA:

A.1 Site contains nationally threatened (Red List or expert opinion) or endemic species?

YES

Species name and authority	**Species is nationally threatened? and) category if known**	**Endemic to the Mediterranean?**	**Endemic to the Levant**	**Endemic to SYRIA/ SYRIA-LEBANON**	**Stenoendemic/ sub national endemic**	**Is this one of the five best sites for this species in your country? Yes/No / don't know**
Androcymbium palaestinum - Boiss	Yes / expert opinion	No	Yes	No	Yes (Jordan valley)	Yes
Iris jordana- Dinsm.	Yes/Expert opinion	Yes	Yes	No	Yes (Jordan valley)	Yes
Epipactis consimilis -Don.	Yes/ expert opinion	No	No	No	No	Yes
Ophrys attica - (Boiss. et Orph.) Soo	Yes/ expert opinion	Yes	No	No	No	Yes
Orchis papilionacea - L.	Yes/ Expert opinion	No	No	No	No	Yes
Orchis laxiflora- Lam., ssp. *dielsiana* Soô	Yes/ expert opinion	No	No	No	No	Yes
Populus euphratica - Oliv.	Yes/ Expert opinion	No	No	No	No	Yes

Ceratocapnos palaestina - Boiss.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Reseda alopecuros - Boiss.	Don't know	Yes	Yes	No	No	Yes
Sedum palaestinum - Boiss.	Don't know	Yes	Yes	No	No	Yes
Astragalus callichrous - Boiss.	Don't know	Yes	Yes	No	No	Yes
Astragalus palaestinus - Eig	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Astragalus macrocarpus - D.C.	Don't know	Yes	Yes	No	No	No
Astragalus galilaeus - Freyn et Bornm	Yes/ Expert opinion	Yes	Yes	SY	Yes (Yarmuk Valley)	Yes
Astragalus sanctus - Boiss.	Don't know	No	Yes	No	No	Yes
Euphorbia chamaepeplus -Boiss. et Gaill.	Don't know	Yes	Yes	No	No	Yes
Euphorbia reuteriana - Boiss.	Don't know	Yes	Yes	No	No	Yes
Daucus aureus - Desf.	Yes/ Expert opinion	Yes	No	No	No	Yes
Chaetosciadium	No	Yes	Yes	No	No	Yes

trichospermum - (L.) Boiss.						
Heliotropium rotundifolium - Sieb. ex Lehm.	Don't know	Yes	Yes	No	No	Yes
Cerinthe palaestina - Eig. et Sam.	Yes/ Expert opinion	Yes	Yes	No	Don't know	Yes- The only
Nepeta curviflora - Boiss.	No	Yes	Yes	No	No	Yes
Stachys neurocalycina - Boiss.	Don't know	Yes	yes	No	No	Yes
Salvia samuelssonii - Rech. fil.	Yes/ Expert opinion	Yes	yes	No	Don't know	Yes- The only
Origanum syriacum - L.	Yes/ Expert opinion	Yes	Yes	No	No	Yes
Mosheovia galilaea - Eig.	Yes/ Expert opinion	yes	Yes	No	Yes (Jabal Al-Arab- Galilee)	Yes
Galium judaicum - Boiss.	Don't know	Yes	yes	No	Don't know	Yes
Varthemia iphionoides - Boiss. et Bl.	Don't know	yes	Yes	No	Don't know	Yes- The only
Calendula palaestina - Boiss.	Don't know	Yes	Yes	No	Yes (Palestine)	Yes

A.2 Site contains species at the edge of their geographical range?

YES

Species name and authority	**Range**
Cenchrus ciliaris- L.	northern edge
Retama duriaei - Spach. Willd.	Northern edge

B The site is rich in endemic species?

YES

C] THREATENED HABITATS

C. The site contains nationally threatened habitats (expert opinion)?

YES

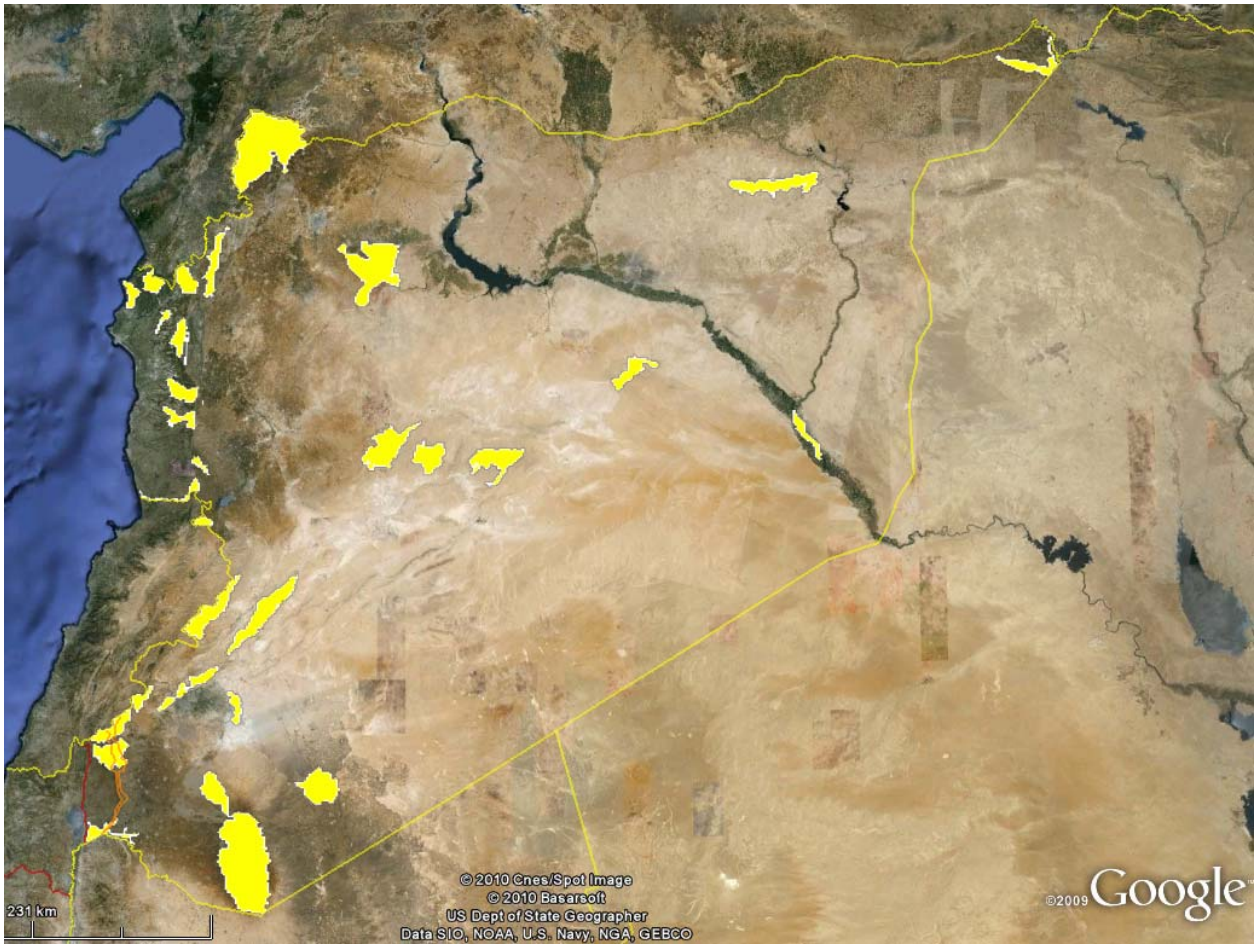
Name of nationally threatened habitat according to Experts opinion)	**Is this habitat also threatened across the whole Mediterranean (yes /no)**
Jordan Valley riparian habitat	Yes

SUMMARY OF THREATS TO THIS SITE/SURROUNDING AREA*

Direct Threat	**Notes**
Agricultural expansion	
Grazing livestock	
Gathering wood for cooking and heating	
Collection of herbs and medicinal plants	
Development recreation/tourism	
Construction impact of dyke/dam/barrier	

CONSERVATION ACTIVITES AND OPPORTUNITES ON THE SITE:

No Protected Area within IPA



Google eath map showing selected IPA in Syria.

4. Gaps

4.1 Major gaps in the study of Syrian flora :

1- The absence of national lists for threatened species (also to establish a national categorization for the degree of threat)

2- The absence of national lists for habitats

3- The absence of national lists for national, sub-national and narrow endemics

4- The need to update the Syrian flora which is written by (Mouterde, 1966- 1983) and to separate it from the Lebanese flora.

4.2 Areas that lack fundamental botanical research:

In the Mediterranean biome:

1- **Jabal Halab** (36.2485 N, 36.7621 E)
2- **Dreikish area** (34.9164 N, 36.1415 E)
3**- Jabal Az-Zawiyah**. (35.5471 N, 36.4252 E)

Outside the Mediterranean biome:

4- **Southern Palmyrene chain** (34.1250 N, 37.4233 E)
5- **Maragha depression** (35.5770 N, 36.4252 E)
6- **Ar-Rawda** (35.3228 N, 41.1382 E)
7- **Jabal At Tanf** (33.3887 N, 38.6378 E)
8- **Bahr Sayqal** (33.6566 N, 37.1615 E)
9- **Tual al 'Abba** (36.3292 N, 39.3506 E)
10- **Al Baath lake** (35.8495 N, 38.6576 E)

5. Notes on priority sites:

After this rapid assessment process the 5 top priority sites within that lies within the Mediterranean biome are the following

1-**Kurd dagh**: High degree of endemism (South Turkey-North Syria endemics, narrow endemics)
The absence of any legal status of protection within the site
The representivness of unspoiled original begetation of the Eastern mountain chain

2**- Salma-Haffeh** The representivness of the lower to mid elevated Coastal Mountains
The absence of any legal status of protection within the site
Flora in the site needs more fundamental studies

3- **Ghab** The presence of the most threatened national habitats within the site
The occurrence of one of the most nationally endangered tree species, *Fraxinus syriacus*

4- **Anti-Lebanon** The most important center for endemic plants in the country
The only site with sub-alpine to nival-alpine habitats

5- **Jabal al Arab** The second most important center for endemism in the country
Unique site for basalt habitats
Very limited legal protection status in this site.

6. Annexes

6.1

Annex 1

List of Nationally threatened Species used in the analysis

***Isoetes hystrix*- Dur.**
***Isoetes olympica*- A. Br.**
***Isoetes sp. nov*.- Musselman**
***Isoetes duriei*- Bory**
***Equisetum maximum* - Lam**
***Ophioglossum vulgatum* - L.**
***Notholaena marantae*- L.**
***Nothoiaena vellea* - (Ait.) R. Br.**
***Pteris longifolia* - L.**
***Dryopteris libanotica* - (Ros.) A. Christensen.**
***Dryopteris aculeate* -(L.) O. Kuntze**
***Asplenium bourgaei* - Boiss**
***Asplenium trichomanes*- L.**
***Asplenium ruta-muraria* - L.**
***Phyllitis scolopendrium*- L.**
***Phyllitis hemionitis*- Lag**
***Salvinia natans* - L.**
***Abies cilicica* - Ant. et Ky**
***Cedrus libani* - A. Rich.**
***Pinus halepensis* - Miller**
***Cupressus sempervirens* - L.**
***Juniperus excelsa* - M.B.**
***Juniperus oxycedrus* - L.**
***Arceuthos drupacea* - Labili.**

***Sparganium neglectum* - Beeby**
***Naias delilei*- Rouy**
***Naias graminea* - Del.**
***Potamogeton lucens*- L.**
Crypsis factorovskyi- Eig
Heleochloa acutiglumis- Boiss.
Avena convoluta - Presl
Koeleria nitidula - Velenovsky
Stipa barbata - Desf.
Triticum dicoccoides -Kôrnicke
Arum gratum -Schott
Biarum russellianum – Schott
Monocaryum fasciculare - Roem.
Androcymbium palaestinum –Boiss
Asphodeline brevicaulis - Ssp. druzorum (Bertol.)
Asphodeline taurica -Pali.
Asphodeline globifera - J. Gay
Asphodeline isthmocarpa- J. Gay.
Asphodeline damascena - Boiss.
Gagea micrantha -Boiss.
Gagea gageoides - Zucc
Gagea procera - Mt
Tulipa aucheriana - Baker ssp. westîi
Tulipa lownei - Baker
Tulipa agenensis - D.G.
Tulipa aleppensis - Regel
Tulipa praecox - Ten.
Fritillaria elwesii - Boiss
Fritillaria acmopetala -Boiss.
Fritillaria alfredae - Post
Fritillaria pinardi- Pl
Scilla hanburyi - Baker
Scilla cilicica - Siehe
Scilla sibirica -Andrews
Scilla bifolia- L.
Ornithogalum fucescens -Boiss. et Gaill.
Ornithogalum paterfamilias- Godron
Hyacinthus orientalis - L.
Bellevalia douini - Pabot et Mouterde
Bellevalia palmyrensis - Feinbrun
Bellevalia hermonis - mt
Bellevalia nivalis - Boiss. et Ky
Allium pseudophanerantherum - Rech. fil

Allium calyptratum - Boiss.
Allium drusorum - Feinbr.
Allium damascenum - Feinbr.
Allium phanerantherum- Boiss. et Hkn
Allium macrochaetum -Boiss. et Hausskn.
Allium makmelianum -Post
Allium bassitense -Thiéb.
Allium wiedemannianum - Regel
Allium opacum - Rech.
Allium libani - Boiss.
Allium cassium - Boiss.
Allium zebdanense- Boiss. et Noë
Allium qasyunense - Moût.
Allium chrysantherum - Boiss. et Reuter
Allium noëanum - Reuter
Galanthus fosteri - Baker
Sternbergia pulchella -Boiss.
Pancratium parviflorum - Decne
Tamus orientalis - Thiébaut
Crocus ochroleucus- Boiss.
Crocus kotschyanus - C. Koch
Crocus dispathaceus - Bowles
Crocus macrobolbos - Jovet
Crocus cancellatus var. Hermoneus - Herbert
Crocus vitellinus- Wahlenberg
Iris histrio -Reichb.
Iris nusairiensis- Mt
Iris postii- mt
Iris grant-duffii -Baker.
Iris basaltica -Dinsmore
Iris fumosa- Bois.
Iris calcarea- Dinms.
Iris bostrensis- Moût
Iris melanosticta -Bornm.
Iris pseudacorus - L.
Iris antilibanotica - Dinsm.
Iris sindjarensis- Boiss et Hausskn
Iris bismarckiana- Regel
Iris auranitica- Dinsmore
Iris vartani- Foster.
Iris yebrudi -Dinsm.
Iris damascena - sp. nova
Iris jordana- Dinsm.

Romulea nivalis - Boiss et Ky
Limodorum abortivum- (L.) Sw.
Cephalanthera kurdica- Bornm
Cephalanthera rubra- (L.) L.C. Rich.
Cephalanthera damasonium -Mill. Druce
Cephalanthera longifolia -(Huds.) Fritsch
Epipactis consimilis -Don.
Epipactis latifolia - (L.) AU.
Neotinea intacta- Link
Ophrys fusca - Link
Ophrys iricolor - Desf.
Ophrys lutea- (Gouan) Cav.
Ophrys fuciflora - (Crantz) Haller
Ophrys bornmuelleri - M. Schulze
Ophrys attica - (Boiss. et Orph.) Soo
Ophrys argolica - Fleischm.
Ophrys sintenesii - Fleischm. et Bornm.
Orchis comperiana - Stev.
Orchis papilionacea - L.
Orchis morio- L. ssp. picta (Loisel.) Reichb.
Orchis coriophora - L. ssp. fragrans (Poil.) Camus
Orchis sancta - L.
Orchis tridentata - Scop.
Orchis simia - Lam.
Orchis italica - Poiret
Orchis iberica - Bieb.
Orchis collina - Banks et Sol.
Orchis anatolica - Boiss.
Orchis holocheilos- Boiss
Orchis romana - Seb. et Mauri ssp. libatontica
Orchis laxiflora- Lam., ssp. dielsiana Soô
Anacamptis pyramidalis - (L.) L.C. Rich.
Platanthera chlorantha- (Custer) Reichb.
Himantoglossum affine -Boiss. Schlecht.
Neottia nidus-avis - (L.) Rich.
Serapias vomeracea - (Burm.) Briquet
Salix libani - Bornm.
Populus euphratica -Oliv.
Alnus orientalis -Decne
Ostrya carpinifolia - Scop.
Quercus libani -Oliv.
Quercus cerris - L. Var. pseudocerris (Boiss.) Boiss.

Quercus microphylla - (Ky) Thiébaut
Quercus ithaburensis - Decne
Quercus cedrorum - Ky
Quercus brantii - Lindley.
Quercus look- Ky.
Quercus boissieri - Reut.
Ulmus minor - Mill.
Celtis australis - L.
Celtis tournefortii - Lam.
Corylus avellana - L.
Castanea sativa - Mill.
Thesium heterophyllum -Boiss.
Aristolochia scabridula - Boiss.
Rumex palustris- Smith
Polygonum corrigioloides- Jaub. et Spach
Polygonum argyrocoleum - Steud.
Polygonum libani - Boiss.
Polygonum cedrorum - Boiss. et Ky
Halopeplis amplexicaulis - (Vahl) Ung.-Sternb.
Suaeda asphaltica- Boiss.
Suaeda carnosissima –Post
Salsola postii - Eig
Minuartia labillardieri - Briquet
Minuartia parvulorum -Mout et Sam.
Minuartia innominata -McNeill
Arenaria cassia - Boiss.
Cerastium fragillimum -Fries
Silene cassia - Boiss.
Silene linearis - Decne
Silene intricata - Post.
Silene physalodes - Boiss.
Silene astartes - Blanche
Silene amana - Boiss.
Silene confertiflora - Chowdhuri
Silene schlumbergeri -Boiss.
Saponaria bargyliana - Gombault
Saponaria pulvinaris- Boiss.
Gypsophila frankenioides Boiss. var. libanotica Boiss.
Tunica syriaca -Boiss.
Tunica arabica -Boiss.
Velezia fasciculata -Boiss.
Dianthus pendulus - Boiss.

Dianthus actinopetalus- Fenzl
Berberis libanotica - Ehrenb.
Paeonia mascula - (L.) Mill.
Delphinium venulosum - Boiss.
Consolida gombaultii -Thiéb)
Consolida deserti-syriaci - Zoh.
Consolida hellespontica -Boiss.
Consolida coelesyriaca -Mout
Anemone coronaria - L. var. alba Goaty & Pons
Nymphaea alba - L.
Nuphar luteum - (L.) Sm.
Ranunculus myosuroides - Boiss.
Ranunculus asiaticus - L.
Papaver libanoticum -Boiss.
Papaver glaucum - Boiss. et Hausskn.
Ceratocapnos palaestina -Boiss.
Fumaria cilicica- Hausskn.
Aethionema cordatum -Desf. Boiss.
Brassica assyriaca -Mt
Carrichtera annua - (L.) Asch.
Nasturtium officinale- R. Br.
Draba oxycarpa - Boiss.
Anchonium billardieri -D.C.
Alyssum cassium -Boiss.
Alyssum subspinosum -Dudley
Alyssum crenulatum - Boiss.
Fibigia heterophylla -Rech.
Matthiola damascena - Boiss.
Rosularia pestalozzae -Boiss. Sam.
Rosularia parvifolia - Frod. et Sam.
Rosularia lineata -Boiss.
Sedum assyriacum - Boiss. Var. minus
Sedum louisii -Frôd
Platanus orientalis - L.
Prunus mahaleb - L.
Prunus microcarpa - C.A. Mey.
Prunus prostrata- Lab.
Amygdalus korschinskii -Hand.-Mazz.
Amygdalus agrestis - Boiss.
Amygdalus orientalis - Mill.
Pirus syriaca - Boiss.
Crataegus monogyna - Jacqu.
Crataegus azorolus - L.

Crataegus aronia -(L.) DC.
Malus trilobata - (Lab.) C.K. Schneider
Sorbus flabellifolia - (Spach) C.K. Schneider
Sorbus torminalis - (L.) Crantz
Cotoneaster nummularia - Fisch. et Mey.
Poterium compactum - Boiss.
Cercis siliquastrum - L.
Cytisus cassius -Boiss.
Trifolium cassium - Boiss.
Trifolium bonnevillei - Moût
Trifolium dichroanthoides - Rech.
Trifolium salmoneum - Moût.
Trifolium alsadami - Post
Trifolium israeliticum - M. Zoh.
Trifolium medusaeum - Blanche ex Boiss.
Trifolium modestum - Boiss.
Trifolium farayense - Moût.
Psoralea jaubertiana - Fenzl
Astragalus pabotii - Moût.
Astragalus sesameus - L.
Astragalus faktorovskyi -Eig.
Astragalus tadmorensis - Eig et Sam.
Astragalus transjordanicus - Sam.
Astragalus duplostrigosus - Post et Beauv.
Astragalus dorcoceras - Bunge
Astragalus palaestinus - Eig
Astragalus hirsutissimus - D.C.
Astragalus eriophylloides - Rech. fil.
Astragalus emarginatus - Labili.
Astragalus antilibani - Bge
Astragalus stramineus - Boiss. et Ky
Astragalus galilaeus - Freyn et Bornm
Astragalus bhamrensis - Sirj. et Rech
Astragalus trichopterus - Boiss.
Astragalus selemiensis- Mout
Astragalus argyrothamnos - Boiss.
Astragalus psilodontius - Boiss.
Astragalus darmikii -Mout
Astragalus gossypinoides - Handel-Mazzetti
Astragalus zachlensis - Bunge.
Astragalus baalbekensis - Bornm.
Astragalus exiguus - Post
Astragalus antiochianus - Post

Astragalus antabicus - Boiss.
Astragalus hasbeyanus - Boiss.
Astragalus gaillardotii - Boiss
Astragalus dipodurus - Bunge
Astragalus griseo-sericeus - Eig
Astragalus oxyphyllus - Boiss.
Astragalus louisii -Thiébaut
Astragalus qatmensis - Thiéb.
Astragalus cucullaris -Boiss.
Astragalus ehrenbergii- Bunge.
Astragalus dictyocarpus - Boiss.
Astragalus hermoneus - Boiss.
Andrachne telephioides - L.
Hedysarum coelesyriacum - Sam.
Onobrychis gaillardotii - Boiss.
Onobrychis nisibena - Moût.
Cicer bijugum -Rech. fil.
Vicia qatmensis -Gomb.
Vicia tigridis -Mout
Vicia esdraëlonensis-Warburg et Eig
Vicia hyaeniscyamus -Moût
Vicia dionysiensis - Moût
Lathyrus stenolobus - Boiss.
Lathyrus pygmaeus - Gombault
Lathyrus basalticus- Rech. fil.
Lathyrus gleosperma - Warb. et Eig
Linum toxicum -Boiss.
Linum chaborasicum -Mout
Pistacia atlantica - Desf.
Pistacia khinjuk - Stocks
Pistacia lentiscus- L.
Acer tauricolum - Boiss. et Bal.
Acer hermoneum - Bornm. et Schwer.
Acer syriacum - Boiss. et Gaill.
Buxus longifolia - Boiss.
Euphorbia postii - Boiss.
Euphorbia fistulosa - M.S. Khan
Euphorbia erinacea -Boiss. et Ky
Euphorbia haussknechtii - Boiss.
Euphorbia physocaulos - Moût.
Euphorbia antilibanotica - Mout
Euphorbia caudiculosa - Boiss.
Euphorbia herniariifolia -Willd.

Euphorbia promecocarpa - P.H. Davis
Euphorbia macrostegia - Boiss.
Euphorbia biglandulosa - Desf.
Alcea leiocarpa - Sam. ex Rech. fi.)
Alcea chrysantha- (Sam.) Zoh.
Kitaibelia balansae - Boiss.
Hypericum cardiophyllum - Boiss.
Callitriche naftolskyi - Warb. et Eig
Callitriche sp. nova. (Mout)
Eryngium bithynicum - Boiss.
Scandîx damascena - Bornm.
Cyclotaxis turgida - Boiss. Diagn.
Daucus aleppicus - Thiéb.
Daucus aureus - Desf.
Scaligeria hermonis - Post
Reutera tenuis - Boiss. et Hausskn.
Smyrniopsis syriaca -Boiss. Diagn.
Prangos deserti - Post et Beauv.
Garum polyphyllum - Boiss. et Bl.
Bupleurum dichotomum - Boiss.
Bupleurum postii- Wolff
Ferula hermonis - Boiss.
Ferula armandii - Moût.
Ferulago amani - Post
Johrenia porteri - Post.
Johrenia westii - Post
Cornus màs - L.
Cornus australis - C.A. Mey.
Laser trilobum -(L.) Borkh.
Erica verticillata - Forssk.
Acantholimon antilibanoticum - Moût.
Olea europaea - L.
Fraxinus ornus - L.
Fraxinus syriaca - Boiss.
Vincetoxicum dionysiense - Moût.
Convolvulus cassius - Sam. ex Rech. fil.
Cerinthe palaestina - Eig. et Sam.
Myosotis macrosiphon - Font Quer et Maire
Ajuga chasmophila - Davis
Teucrium coniortodes - Boiss. et Bl.
Teucrium antilibanoticum - Moût.
Marrubium hierapolitanum - Moût.
Lamium adoxifolium - Handel-Mazzetti.

Ballota antilibanotica - Post.
Ballota semaanica - Rech. fil.
Stachys paneiana -Moût.
Stachys petrokosmos - Rech. fil.
Salvia aramiensis - Rech. fil.
Salvia nazalena - Hedge et Mouterde
Salvia samuelssonii - Rech. fil.
Salvia drusica -Moût.
Micromeria libanotica - Boiss.
Ziziphora 'Abd-el-Asisii - Hand.-Mazz.
Origanum bargyli - Moût.
Origanum syriacum - L.
Thymus kotschyanus - Boiss. et Hoh.
Thymus hirsutus - Bieb.
Thymus cilicicus - Boiss. et Bal.
Thymus alfredae - Post
Thymus syriacus - Boiss.
Hyoscyamus reticulatus - L.
Verbascum antari - Post
Mosheovia galilaea - Eig.
Veronica samuelssonii - Rech. fil.
Digitalis ferruginea - L.
Orobanche hermonis - Mouterde
Lonicera etrusca - Santi
Lonicera orientalis - Lam.
Valerianella soyeri - Buchinger in Boiss.
Valerianella antilibanotica - Rech. f.
Bryonia lasiocarpa - Mouterde
Campanula trichopoda - Boiss.
Michauxia nuda - DC.
Tracheliopsis antilibanotica - P.H. Davis
Phagnalon linifolium - Post
Helichrysum pygmaeum - Post
Anthemis samuelssonii - Rech. f.
Anthemis cornucopiae - Boiss.
Tanacetum densum - (Labili.) Schultz Bip.
Tanacetum yabrudae - (Moût.) Charpin et Dittrich
Tussilago farfara -L.
Senecio delbesianus - Arènes
Echinops descendent - Hand.-Mazz.
Cousinia pestalozzae -Boiss.
Serratula pusilla - (Lab.) Dittrich

Centaurea reducta - Wagenitz.
Centaurea longispina - (Post) Wagenitz
Centaurea simulans - Wagenitz.
Centaurea trachonitica - Post
Cichorium pumilum - Jacq.

6.2

Annex 2

List of national endemics with restricted rang area

Species name and authority	**Range of species within Mediterranean**
Biarum auraniticum - Mt	(Hauran)
Biarum russellianum - Schott	(Sub arid mountains of the Syrian steppe)
Asphodeline brevicaulis - Ssp. *druzorum* (Bertol.)	(Jabal al Arab)
Bellevalia douini - Pabot et Mouterde	(Qassiun)
Bellevalia palmyrensis - Feinbrun	(Syrian Steppe)
Muscari dinsmorei - Rech.	(Tell Abiad- Upper Jezira)
Allium pseudophaneranthe rum - Rech. fil	(Lower Anti-Lebanon)
Allium drusorum - Feinbr.	(Jabal al Arab)
Allium damascenum - Feinbr.	(Golan)
Allium schergianum - Boiss.	(Mountains of the S. Steppe)
Allium bassitense -Thiéb.	(Bassit)
Allium opacum - Rech.	(Jabal Wastani)
Allium qasyunense - Moût.	(Qassiun)
Allium chrysantherum - Boiss. et Reuter	(Upper Jezira)
Crocus dispathaceus - Bowles	(Aleppo region)

Iris nusairiensis- Mt	(Coastal Mts.)
Iris postii- mt	(Mountains of the S. Steppe)
Iris basaltica -Dinsmore	(west Homs)
Iris fumosa- Bois.	(East Hama)
Iris calcarea- Dinms.	(Kurd Dag- Wastani)
Iris bostrensis- Moût	(Hauran, Jabal Al-Arab)
Iris melanosticta -Bornm.	(Hauran, Jabal Al-Arab)
Iris antilibanotica - Dinsm.	(Anti-Lebanon)
Iris bismarckiana- Regel	(Galilee)
Iris caeruleo-violacea- Gombault	(North Syria)
Iris auranitica- Dinsmore	(Jabal Al-Arab)
Iris yebrudi -Dinsm.	(Anti-Lebanon) Mts.
Iris damascena - sp. nova	(Qassiun)
Romulea nivalis - Boiss et Ky	(Lebanon - Anti-Lebanon)
Suaeda carnosissima -Post	(Hijaneh-Qaryetin)
Salsola autrani -Post	(Lower Anti- Lebanon)
Salsola zenobiae - Mout	(Palmyra)
Salsola postii - Eig	(Palmyra)
Salsola heliaramiae - Mout	(Palmyra)
Salsola azaurena - Mout	(Bishri- Deirezzor)
Minuartia parvulorum -Mout et Sam.	(Anti- Lebanon)
Silene physalodes - Boiss.	(Golan)
Silene schlumbergeri -Boiss.	(Anti-Lebanon)
Saponaria bargyliana - Gombault	(Slenfe)

Gypsophila mollis - Boiss.	(Anti-Lebanon)
Gypsophila polygonoides - Willd. Ssp. *Barradensis* Boiss.	(Qassiun- Rakhle)
Gypsophila polygonoides - Willd. Ssp. *ansariensis* Rech.	(Coastal Mts.)
Consolida gombaultii -Thiéb)	(Jabal Al-Arab)
Consolida deserti-syriaci - Zoh.	(Hauran)
Anemone coronaria - L. var. *alba* Goaty & Pons	(Qassiun)
Brassica assyriaca -Mt	(Jabal Abdul Aziz)
Crambe glaberrima - Bornm. n. comb.	(Upper Jezira)
Draba oxycarpa - Boiss.	(Anti-Lebanon- Hermon)
Draba vesicaria -Desv.	(Anti-Lebanon-Lebanon Mts.)
Anchonium billardieri -D.C.	(Anti-Lebanon-Lebanon Mts.)
Alyssum subspinosum -Dudley	(Anti-Lebanon)
Fibigia heterophylla -Rech.	(Bilas- Shair)
Matthiola damascena - Boiss.	(Qalamun-N Palmyrene) Mts.
Rosularia parvifolia - Frod. et Sam.	(Hermon)
Rosularia lineata -Boiss.	(Lajat)
Sedum assyriacum - Boiss. Var. *minus*	(Jabal Al-Arab -Golan)
Sedum louisii -Frôd	(Qassiun)
Cytisus cassius -Boiss.	(Amanus)
Trifolium bonnevillei - Moût	(Jabal Al-Arab -Lajat)
Trifolium dichroanthoides - Rech.	(Amanus- Coastal Mts.)
Trifolium salmoneum - Moût.	(Golan- Jabal al-Arab)

Astragalus pabotii - Moût.	(Lower Anti-Lebanon)
Astragalus faktorovskyi -Eig.	(Lower Anti-Lebanon)
Astragalus tadmorensis - Eig et Sam.	(Palmyra)
Astragalus duplostrigosus - Post et Beauv.	(Palmyra)
Astragalus dorcoceras - Bunge	(Aleppo)
Astragalus eriophylloides - Rech. fil.	(Coastal Mts.)
Astragalus antilibani - Bge	(Anti-Lebanon)
Astragalus stramineus - Boiss. et Ky	(Anti-Lebanon)
Astragalus galilaeus - Freyn et Bornm	(Yarmuk Valley)
Astragalus selemiensis- Mout	(Salamiye- Bil'as)
Astragalus darmikii -Mout	(Kurd Dag)
Astragalus spicaeiformis - Eig	(Mountains of the S. Steppe)
Astragalus exiguus - Post	(Summits of Anti-Lebanon)
Astragalus griseo-sericeus - Eig	(Al-Wastani)
Astragalus louisii -Thiébaut	(Aleppo)
Astragalus qatmensis - Thiéb.	(Aleppo)
Astragalus mitchellii - Post.	(Aleppo-Hama)
Onobrychis pinnata-Bertol.	(Mountains of the S. Steppe)
Onobrychis gaillardotii - Boiss.	(Qassiun-Damascus)
Cicer bijugum -Rech. fil.	(Kurd Dag)
Vicia qatmensis -Gomb.	(Kurd Dag)
Vicia dionysiensis - Moût	(Jabal Al-Arab)
Lathyrus stenolobus - Boiss.	(Amanus)
Lathyrus pygmaeus - Gombault	(Palmyra)

Linum chaborasicum -Mout	(Jabal Abdul-Aziz)
Haplophyllum chaborasium- Boiss. et Hausskn.	(Upper Jezira)
Haplophyllum haussknechtii - Boiss.	(Upper Jezira)
Euphorbia postii - Boiss.	(Ghab)
Euphorbia physocaulos - Moût.	(Jabal AL-Arab -Lajat)
Euphorbia antilibanotica - Mout	(Anti-Lebanon)
Euphorbia promecocarpa - P.H. Davis	(Anti-Lebanon)
Alcea leiocarpa - Sam. ex Rech. fi.)	(Kurd Dag)
Kitaibelia balansae - Boiss.	(Amanus- Coastal Mts.)
Callitriche sp. nova. (Mout)	(Golan-Jabal Al-Arab)
Anisosciadium isosciadium -Bornm.	(South Palmerene Mts.)
Scandîx damascena - Bornm.	(Qassiun)
Daucus aleppicus - Thiéb.	(Aleppo)
Prangos deserti - Post et Beauv.	(Bilas-Shair)
Prangos hermonis - Boiss.	(Hermon-Jabal al-Arab)
Garum polyphyllum - Boiss. et Bl.	(Homs)
Ferula armandii - Moût.	(Jabal Al-Arab)
Ferulago auranitica - Post	(Jabal Al-Arab -Hauran)
Acantholimon damassanum - Mobayen	(Anti-Lebanon)
Convolvulus cassius - Sam. ex Rech. fil.	(Amanus)
Onosma cassia - Boiss.	(Amanus)
Echium pabotii - Mout.	(Upper Jezira)

Anchusa tiberiadis - Post	(Aleppo-Tiberias)
Ajuga chasmophila - Davis	(Lower Anti-Lebanon)
Ajuga rechingeri - Bilik	(Mountains of the Syrian Steppe)
Teucrium haradjianii - Briq. ex Rech. fil.	(Kurd Dag-Wastani)
Teucrium heterotrichum - Briq. ex Rech. fil.	(Coastal Mts.)
Teucrium coniortodes - Boiss. et Bl.	(Abu-Rujmain) localized
Teucrium antilibanoticum - Moût.	(Anti-Lebanon)
Scutellaria utriculata - Labili.	(Anti-Lebanon)
Marrubium hierapolitanum - Moût.	(Aleppo)
Nepeta pabotii - Moût.	(Anti-Lebanon)
Phlomis bailanica - Vierh.	(Coastal Mts.)
Lamium adoxifolium - Handel-Mazzetti.	(Aleppo)
Ballota semaanica - Rech. fil.	(Kurd Dag)
Stachys paneiana -Moût.	(Golan) localized
Stachys petrokosmos - Rech. fil.	(Amanus)
Salvia nazalena - Hedge et Mouterde	(Lower Anti-Lebanon)
Salvia drusica -Moût.	(Jabal Al Arab) localized
Satureia pallaryi - Thiéb	(Upper Jezira)
Ziziphora 'Abd-el-Asisii - Hand.-Mazz.	(Abd- Al- Aziz) localized
Origanum bargyli - Moût.	(Berghal-Slenfe) localized
Thymus alfredae - Post	(Anti-Lebanon)
Verbascum glanduliferum - (Post) Hub.-Mor.	(Mountains of the S. Steppe)

Verbascum porteri -Post	(Sub-arid S. Steppe)
Verbascum tropidocarpum -Murb.	(Sub-arid S. Steppe)
Verbascum antari - Post	(Palmyra)
Kickxia gombaultii - (Thiéb.) Moût.	(Syrian Steppe)
Valerianella soyeri - Buchinger in Boiss.	(Wadi al Qarn)
Valerianella antilibanotica - Rech. f.	(Anti-Lebanon) localized
Bryonia lasiocarpa - Mouterde	(Jabal Al-Arab)
Postia tnicrocephala - Boiss.	(Lower Anti-Lebanon)
Pulicaria laniceps - Bornm.	(Upper Jezira)
Phagnalon linifolium - Post	(Anti-Lebanon)
Helichrysum pygmaeum - Post	(Anti-Lebanon)
Anthemis breviradiata - Eig	(Syrian Steppe)
Tanacetum yabrudae - (Moût.) Charpin et Dittrich	(Lower Anti-Lebanon)
Senecio delbesianus - Arènes	(Upper Jezira)
Echinops desc ent - Hand.-Mazz.	(Upper Jezira)
Onopordum syriacum - Holmboe	(Damascus-Hauran)
Centaurea reducta - Wagenitz.	(Homs)
Centaurea damascena - Boiss.	(Damascus-Hauran)
Centaurea longispina - (Post) Wagenitz	(Anti-Lebanon)
Centaurea simulans - Wagenitz.	(Coastal Mts.)
Centaurea trachonitica - Post	(Lajat)

6.3

Annex 3

List of Regional (Levant) Endemics with restricted range

Species name and authority	**Range of species within Mediterranean**
Isoetes sp. nov.- Musselman	(Akkar-Homs)
Isoetes duriei- Bory	
Heleochloa acutiglumis- Boiss.	(Jabal al Arab- Lebanon)
Colchicum balansae - Planch	(Amanus)
Colchicum byzantinum- Park.	(Amanus)
Androcymbium palaestinum -Boiss	(Jordan valley)
Asphodeline globifera - J. Gay	(Amanus- Cappadocia)
Asphodeline damascena - Boiss.	(Anti-Lebanon)
Gagea micrantha -Boiss.	(anti-Lebanon)
Gagea procera - Mt	(Jabal Al-Arab)
Tulipa aucheriana - Baker ssp. *westîi*	(Anti-Lebanon)
Tulipa lownei - Baker	(Anti-Lebanon)
Fritillaria alfredae - Post	(Amanus- Lebanon)
Bellevalia hermonis - mt	(Hermon –Anti-Lebanon)
Bellevalia nivalis - Boiss. et Ky	(Anti-Lebanon)
Allium calyptratum - Boiss.	(Amanus)
Allium phanerantherum- Boiss. et Hkn	(Hermon-Lebanon Mts.)
Allium makmelianum -Post	(Anti-Lebanon -Lebanon)

Allium wiedemannianum - Regel	(Basalt puddles in the Levant)
Allium libani - Boiss.	(Lebanon-Anti-Lebanon)
Allium cassium - Boiss.	(Summets of Coastal Mts.)
Allium zebdanense- Boiss. et Noë	(Lebanon-Anti-Lebanon)
Sternbergia pulchella -Boiss.	(Aleppo region)
Crocus kotschyanus - C. Koch	(Hermon)
Crocus cancellatus var. *Hermoneus* - Herbert	(Hermon)
Iris grant-duffii -Baker.	(Levant coast)
Iris jordana- Dinsm.	(Jordan valley)
Quercus cerris - L. Var. *pseudocerris* (Boiss.) Boiss.	(Amanus- Coastal Mt..)
Polygonum libani - Boiss.	(Hermon-Lebanon Mts.)
Minuartia labillardieri - Briquet	(Hermon-Lebanon Mts.)
Minuartia innominata -McNeill	(Anti-Lebanon) Mts.
Silene cassia - Boiss.	(Amanus)
Silene intricata - Post.	(Amanus)
Silene astartes - Blanche	(Hermon-Lebanon Mts.)
Silene amana - Boiss.	(Amanus)
Silene confertiflora - Chowdhuri	(Amanus)
Vaccaria liniflora- Boiss. et Hausskn.	(Kurd Dag-Gaziantep) c
Saponaria pulvinaris- Boiss.	(High Levant Mts.)
Gypsophila frankenioides Boiss. var. *libanotica* Boiss.	(Anti-Lebanon-Lebanon Mts.)
Tunica syriaca -Boiss.	(Antioch region)
Berberis libanotica - Ehrenb.	(Anti-Lebanon-Lebanon Mts.)

Helleborus vesicarius - Auch	(Amanus)
Ranunculus myosuroides - Boiss.	(Anti-Lebanon-Lebanon Mts.)
Ranunculus millefolius - Banks et Sol.	(Amanus-Kurd Dag)
Papaver libanoticum -Boiss.	(High Levant Mts.)
Papaver postii - Fedde	(Localised in Coastal Mts.)
Fumaria cilicica- Hausskn.	(South-Turkey)
Thlaspi brevicaule- Boiss. et Ky	(Anti-Lebanon-Lebanon Mts.)
Draba vesicaria -Desv.	(Anti-Lebanon-Lebanon Mts.)
Erysimum tenellum -D.C	(Mardin-Upper Jezira)
Anchonium billardieri -D.C.	(Anti-Lebanon-Lebanon Mts.)
Alyssum cassium -Boiss.	(Amanus- Coastal Mts.)
Alyssum crenulatum - Boiss.	(Amanus)
Maresia pulchella -D.C.	(Levant coast)
Hesperis kotschyana - Fenzl	(Amanus- Coastal Mts.)
Matthiola damascena - Boiss.	(Qalamoun-N palmyrene) Mts.
Reseda orientalis - L.	(Levant coast)
Rosularia pestalozzae -Boiss. Sam.	(Amanus- Coastal Mts.)
Sedum schizolepis -Frôd	(Levant coast)
Amygdalus agrestis - Boiss.	(Anti-Lebanon)
Poterium compactum - Boiss.	(High Levant Mts.)
Genista libanotica - Boiss.	(High Levant Mts.)
Gonocytisus pterocladus - Boiss.	(Amanus- Coastal Mts.)
Cytisus drepanolobus - Boiss.	(Amanus- Coastal Mts.)
Trifolium cassium - Boiss.	(Amanus)

Trifolium dichroanthum -Boiss.	(Levant coast)
Trifolium haussknechtii - Boiss.	(Kurd Dag -Gaziantep)
Trifolium carmeli - Boiss.	(Jabal Al-Arab - Galilee)
Trifolium vavilovi -Eig	(Jabal Al-Arab -Galilee)
Trifolium alsadami - Post	(Jabal Al-Arab)
Trifolium modestum - Boiss.	(High Levant Mts.)
Trifolium aintabense - Boiss. et Hausskn.	(Gaziantep-Kurd Dag)
Trifolium farayense - Moût.	(Anti-Lebanon-Lebanon Mts.)
Psoralea jaubertiana - Fenzl	(Southern Turkey)
Astragalus hirsutissimus - D.C.	(High Levant Mts.)
Astragalus emarginatus - Labili.	(High Levant Mts.)
Astragalus bhamrensis - Sirj. et Rech	(Coastal Mts..)
Astragalus argyrothamnos - Boiss.	(Anti-Lebanon)
Astragalus psilodontius - Boiss.	(Lower Anti-Lebanon)
Astragalus darmikii -Mout	(Kurd Dag)
Astragalus cruentiflorus - Boiss.	(High Levant Mts.)
Astragalus baalbekensis - Bornm.	(Anti-Lebanon)
Astragalus antiochianus - Post	(Antioch region)
Astragalus antabicus - Boiss.	(Gaziantep-Kurd Dag)
Astragalus drusorum -Boiss.	(Coastal Mts.-Lebanon)
Astragalus delbesii - Eig	(Antkaya Amanus)
Astragalus gaillardotii - Boiss	(Hermon)
Astragalus dipodurus - Bunge	(Gaziantep-Kurd Dag)
Astragalus oxyphyllus - Boiss.	(Gaziantep-Kurd Dag)

Astragalus coluteoides -Will	(High Levant Mts.)
Astragalus ehrenbergii- Bunge.	(Anti-Lebanon)
Astragalus nucleiferus -Boiss.	(Gaziantep-Kurd Dag)
Astragalus heliopolitanus - Moût.	(Lower Anti-Lebanon)
Astragalus dictyocarpus - Boiss.	(High Levant Mts.)
Astragalus hermoneus - Boiss.	(High Levant Mts.)
Glycyrrhiza flavescens - Boiss.	(Amanus)
Hedysarum coelesyriacum - Sam.	(Anti-Lebanon)
Onobrychis megataphros - Boiss.	(Amanus Jabal Al-Arab)
Onobrychis aurantiaca - Boiss.	(Antakya region)
Onobrychis hemicycla - Blanche et Boiss.	(Mountains of the S. Steppe)
Vicia galeata - Boiss.	(Levant coast)
Vicia tigridis -Mout	(Tigris-Upper Jezira)
Vicia esdraëlonensis-Warburg et Eig	(Houla-Esdrelon)
Vicia hyaeniscyamus -Moût	(west Homs)
Vicia cassia - Boiss.	(Amanus)
Lathyrus cassius -Boiss.	(Levant coast)
Lathyrus basalticus- Rech. fil.	(west Homs)
Lathyrus gleosperma - Warb. et Eig	(Jabal al-Arab + Galilee)
Lathyrus libani -Fritsch.	(Coastal Mts.-Lebanon)
Geranium libani - Davis.	(Coastal Mts.-Lebanon)
Erodium trichomanifolium - L'Hér.	(High Levant Mts.)
Erodium gaillardotii -Boiss.	(Anti-Lebanon)
Linum toxicum -Boiss.	(Hermon summit)

Acer tauricolum - Boiss. et Bal.	(Coastal Mts.-Lebanon)
Buxus longifolia - Boiss.	(Amanus)
Euphorbia fistulosa - M.S. Khan	(Southern Turkey)
Euphorbia haussknechtii - Boiss.	(Upper Jezira)
Euphorbia chaborasica - Gombault	(Upper Jezira)
Euphorbia caudiculosa - Boiss.	(Hermon summet)
Hypericum russeggeri - Fenzl.	(Amanus- Coastal Mts.)
Hypericum cardiophyllum - Boiss.	(Antioch region)
Hypericum thymifolium - Banks et Sol.	(Levant coast)
Hypericum retusum - Auch	(Upper Jezira -South turkey)
Callitriche naftolskyi - Warb. et Eig	(Palestine)
Daphne libanotica - Moût.	(Coastal Mts.-Lebanon)
Cyclotaxis turgida - Boiss. Diagn.	(Cilicia)
Cyclotaxis palaestina - Boiss. Diagn.	(North Palestine-JABAL AL-ARAB)
Scaligeria hermonis - Post	(Hermon-Lebanon Mts.)
Reutera tenuis - Boiss. et Hausskn.	(High Levant Mts.)
Smyrniopsis syriaca -Boiss. Diagn.	(Lebanon-Jabal al-Arab)
Cachrys goniocarpa - Boiss.	(North-Syria, Jabal al-Arab)
Cachrys papillaris -Boiss.	(Upper Jezira)
Prangos asperula - Boiss.	(Anti-Lebanon-Lebanon Mts.)
Bunium pestalozzae - Boiss. Diagn.	(High Levant Mts.)
Bupleurum aleppicum - Boiss.	(South Turkey-HJ)
Bupleurum dichotomum - Boiss.	(High Levant Mts.)
Bupleurum postii- Wolff	(Anti-Lebanon)

Bupleurum libanoticum - Boiss. et Bl.	(Coastal Mts..-Lebanon)
Ferula hermonis - Boiss.	(Hermon)
Ferula cassii - Zoh. et Davis.	(Amanus- Coastal Mts.)
Ferula biverticillata - Thiéb.	(North Palestine Jabal Al-Arab)
Ferulago autumnalis - Thiéb.	(Gaziantep-Kurd Dag)
Ferulago macrocarpa - (Fenzl) Boiss.	(Upper Jezira)
Ferulago frigida - Boiss.	(Anti-Lebanon-Lebanon Mts.)
Ferulago cassia - Boiss.	(Amanus- Coastal Mts.)
Ferulago amani - Post	(Kaipok-Dag) localized
Johrenia porteri - Post.	(Amanus)
Johrenia fungosa - Boiss.	(Gaziantep-Kurd Dag)
Johrenia westii - Post	(Upper Orontes valley)
Laserpitium glaucum - Post	(Amanus Maras)
Tordylium hasselquistiae - D.C.	(Amanus-Kurd Dag)
Acantholimon antilibanoticum - Moût.	(Anti-Lebanon)
Acantholimon libanoticum - Boiss.	(High Levant Mts.)
Limonium palmyrense - (Post) Dinsm.	(Salines of the S. Steppe)
Vincetoxicum dionysiense - Moût.	(Jabal al-Arab -Lebanon)
Convolvulus libanoticus - Boiss.	(Anti-Lebanon-Lebanon Mts.)
Convolvulus reticulatus - Choisy	(Syrian Steppe)
Heliotropium schweinfurthii - Boiss.	(Anti-Lebanon-Lebanon Mts.)
Rindera schlumbergeri - (Boiss.) Gùrke	(Anti-Lebanon)
Onosma cinerea - Schreb.	(Gaziantep-Kurd Dag)
Onosma caerulescens -Boiss.	(Anti-Lebanon-Lebanon Mts.)

Alkanna kotschyana - DC	(South Turkey-Upper Jezira)
Alkanna confusa - Sam. ex Rech. fil.	(Amanus- Coastal Mts.)
Ajuga laevigata -Boiss.	(South Turkey)
Teucrium multicaule - Montbr. et Auch.	(Southern Turkey- N Syria)
Teucrium paederotoides - Boiss. et Hausskn.	(Southern Turkey- N Syria)
Teucrium socinianum - Boiss.	(Anti-Lebanon)
Scutellaria cretacea - Boiss. et Hausskn.	(Anti-Lebanon)
Nepeta bithynica - Bornm.	(High Levant Mts.)
Nepeta trachonitica - Post	(Jabal al-Arab - South Turkey)
Sideritis microchlamys - (Hand.-Mazz.) Bornm.	(Upper Jezira)
Sideritis nusairiensis - Post	(Amanus- Coastal Mts.)
Phlomis cordata - Boiss. et Ky	(Amanus)
Phlomis longifolia - Boiss. et Bl.	(Amanus- Coastal Mts.-Lebanon)
Lamium ehrenbergii - Boiss. et Reut.	(High Levant Mts.)
Ballota antilibanotica - Post.	(Anti-Lebanon) Mts.
Stachys diversifolia - Boiss.	(Amanus)
Stachys nivea - Labili.	(Anti-Lebanon)
Stachys rupestris - Montb. et Auch.	(South-Turkey)
Stachys satureioides - Montb. et Auch.	(South-Turkey)
Salvia aramiensis - Rech. fil.	(Amanus)
Salvia spiraeifolia - Boiss. et Hoh.	(South turkey-N Syria)

Salvia montbretii - Benth.	(South turkey- N Syria)
Salvia cassia - Sam. ex Rech.	(Amanus)
Salvia viscosa - Jacq.	(Coastal Mts.-Lebanon)
Salvia russellii - Banks et Sol.	(South turkey-JABAL AL-ARAB)
Micromeria libanotica - Boiss.	(Anti-Lebanon-Lebanon Mts.)
Ziziphora acutifolia - Montb. et Auch.	(South turkey-N Syria)
Thymus cilicicus - Boiss. et Bal.	(Amanus)
Verbascum antilibanoticum - Hub,-Mor.	(Anti-lebanon)
Verbascum blancheanum - Boiss.	(Levant coast)
Verbascum pinetorum -(Boiss.) O. Kuntze	(Amanus)
Verbascum scaposum - Boiss.	(Amanus)
Verbascum infidelium - Boiss. et Hausskn.	(Amanus)
Verbascum ptychophyllum - Boiss.	(Anti-Lebanon- Jabal Al-Arab)
Verbascum qulebicum - Post em . Mouterde	(Jabal al-Arab - Galilee)
Linaria aucheri - Boiss.	(Anti-Lebanon-Lebanon Mts..)
Linaria damascena - Boiss. et Gaill.	(Hermon- Jabal al-Arab)
Mosheovia galilaea - Eig.	(Jabal al-Arab -Galilee)
Scrophularia nusairiensis - Post.	(Amanus- Coastal Mts.)
Scrophularia scariosa - Boiss.	(South Turkey- N Syria)
Tracheliopsis antilibanotica - P.H. Davis	(Anti-lebanon)
Tracheliopsis postii - (Boiss.) Buser	(Amanus-Kurd Dag)

Postia lanuginosa - (DC.) Boiss.	(Qalamun)
Pulicaria auranitica - Mouterde	(Basalt puddles in the Levant)
Anthemis halophila - Boiss. et Bal.	(Antioch region)
Anthemis samuelssonii - Rech. f.	(Homs)
Anthemis tripolitana - Boiss. et Bl.	(Levant coast)
Anthemis lyonnetioides - Boiss.	(Anti-Lebanon)
Anacyclus nigellifolius - Boiss.	(Amanus- Coastal Mts.-Lebanon)
Tanacetum densum - (Labili.) Schultz Bip.	(Hermon- Anti-Lebanon)
Tanacetum aucheri - DC.	(High Levant Mts.)
Cal ula palaestina - Boiss.	(Palestine)
Cousinia pestalozzae -Boiss.	(Anti-Lebanon)
Cousinia aleppica - Boiss.	(South turkey- N Syria)
Cousinia hermonis - Boiss.	(Anti-Lebanon- Hermon)
Cirsium amani - Post	(Amanus-Kurd Dag)
Myopordon thiebauti - (Genty) Wagenitz	(Amanus- Coastal Mts.)
Jurinea mesopotamica - Hand.-Mazz.	(Upper Jezira)
Centaurea dumulosa - Boiss.	(Anti-Lebanon-Palmerene)
Centaurea cassia - Boiss.	(Amanus- Coastal Mts.)
Centaurea delbesiana -Arènes	(S. Steppes)
Centaurea hololeuca - Boiss.	(High Levant Mts.)
Centaurea postii -Boiss.	(Sub-arid S. Steppe)
Centaurea onopordifolia - Boiss.	(Lebanon- Jabal al-Arab)
Centaurea arifolia -Boiss.	(Amanus)

Centaurea spicata -Boiss.	(Amanus Coastal Mts.)
Centaurea ptosimopappa - Hayek	(Amanus)
Centaurea cheirolopha - (Fenzl) Wagenitz	(Amanus-Kurd Dag)
Centaurea ainetensis -Boiss.	(Sub-arid S. Steppe)
Scorzonera libanotica - Boiss.	(High Levant Mts.)
Scorzonera kotschyi - Boiss.	(Amanus-Kurd Dag)
Crepis robertioides - Boiss.	(High Levant Mts.)
Crepis pterothecoides - Boiss.	(Lebanon- Jabal Al-Arab)

6.4

Annex 4

List of Nationally threatened habitats used in this analysis

Anti-Lebanon high shrubs
Apies cilicica conifer forest
Cedrus libani conifer forest
Chestnut deciduous forest
Coastal mountains riparian habitat
Cupressus sempervirens conifer forest
Eumediterranean shrubs on calcareous rocks
Intermittent marches in Syrian steppes
Islands of the Euphrates (Hawijas)
Jordan Valley riparian habitat

Juniperus excelsa woodland
Levant Nival Habitat
Levant Sub- Alpine meadows
Mesopotamia Riparian Habitat
Peat wetlands
Pistacia atlantica open woodlands
Pistacia khinjuk open woodlands
Quercus boissieri woodland
Quercus cerris pseudocerris woodland
Quercus look open woodlands
Saline wetlands in the Syrian steppes
Syrian steppe High Plateau
Upper Jazira steppes