

Morocco's High Atlas

Wildlife at Leisure

A Greentours Tour Report

16th - 23rd March 2015

Led by Paul Cardy & Stefano Doglio

The Daily Report isn't in yet however we do have the systematic lists so we putting those up for now!

Morocco High Atlas Wildlife at Leisure Systematic Lists 2015

Compiled by Paul Cardy

Systematic List Number 1

Plants

The nomenclature and the systematic order generally follow 'Checklist of Vascular Plants of North Morocco' by Valdes et al (CSIC 2002 Madrid). Thanks to Rodney Burton for the identification of several of the following (annotated RB) using the first two volumes of 'Flore Pratique du Maroc' by M.Fennane, which has become very difficult to obtain.

Ferns and Allies

<i>Adiantum capillus-veneris</i>	Scattered records
<i>Allosorus guanchicus</i>	N'Fis Valley
<i>Allosorus pteridioides</i>	A few records (<i>Cheilanthes pteridioides</i> , <i>Cheilanthes maderensis</i>)
<i>Asplenium ceterach</i>	Scattered records
<i>Cosentinia vellea</i>	N'Fis Valley

Gymnosperms

Pinaceae

<i>Pinus halepensis</i>	
<i>Pinus nigra mauretanica</i>	Imlil Valley
<i>Cedrus atlantica</i>	Imlil Valley

Cupressaceae

<i>Cupressus atlantica</i>	Along the road to Tizi n'Test
<i>Tetraclinis articulata</i>	Widespread, e.g. N'Fis Valley
<i>Juniperus oxycedrus</i>	Widespread and common
<i>Juniperus phoenicea</i>	Widespread and common (in Imlil Valley some infected with the rust <i>Gymnosporangium sabiniae</i> , whose alternate hosts are members of the Rosaceae)
<i>Juniperus thurifera</i>	Locally in the High Atlas

Ephedraceae

<i>Ephedra altissima</i>	
<i>Ephedra nebrodensis</i>	

Dicotyledons

Aizoaceae

<i>Aizoon canariense</i>	Day 3
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Amaranthaceae

<i>Chenopodium murale</i>	Scattered records
<i>Salsola oppositifolia</i>	Near Lalla-Takerkoust (RB)

Anacardiaceae

<i>Pistacia atlantica</i>	Scattered records
<i>Pistacia lentiscus</i>	Widespread and common
<i>Rhus tripartita</i>	N'Fis Valley etc.
<i>Schinus molle</i>	

Apiaceae

<i>Athamanta sicula</i>	N'Fis Valley etc.
<i>Bupleurum dumosum</i>	Day 3, first stop (RB)

<i>Bupleurum frutescens spinosum</i>	Imlil Valley
<i>Buplerum</i> spp.	
<i>Deverra scoparia</i>	Possibly this species on Day 3
<i>Elaeoselinum meoides</i>	In leaf at lunch site day 5 (RB)
<i>Eryngium variifolium</i>	Tizi-n-Test
<i>Ferula communis</i>	Scattered records
<i>Foeniculum vulgare</i>	A few records
<i>Scandix pecten-veneris</i>	Lalla-Takerkoust
<i>Thapsia transtagana</i>	Widespread in flower
<i>Thapsia villosa</i>	Lalla-Takerkoust
<i>Torilis elongata</i>	N'Fis Valley

Apocynaceae

<i>Nerium oleander</i>	Widespread
<i>Vinca major</i>	Scattered records

Araliaceae

<i>Hedera maroccana</i>	Imarigha
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Aristolochiaceae

<i>Aristolochia paucinervis</i>	Plateau du Kik
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Asteraceae

<i>Anacyclus depressus</i>	Tizi n'Tamatert
<i>Anacyclus pyrethrum</i>	Imlil Valley (RB)
<i>Anacyclus valentinus</i>	Day 5
<i>Artemisia atlantica</i>	Imlil
<i>Asteriscus aquaticus</i>	Day 5
<i>Atractylis cancellata</i>	Day 5
<i>Bellis annua</i>	Scattered records
<i>Bellis caerulea</i>	High Atlas around Imlil
<i>Bellis sylvestris</i>	Scattered records
<i>Calendula arvensis</i>	Widespread
<i>Calendula stellata</i>	Scattered records
<i>Calendula suffruticosa</i>	N'Fis Valley
<i>Carthamus raphanoides</i>	In leaf at Imlil
<i>Centaurea calcitrapa</i>	Plateau du Kik
<i>Centaurea pullata</i>	In flower Lalla-Takerkoust
<i>Chrysanthemum coronarium</i>	Locally abundant
<i>Cladanthus arabicus</i>	Common
<i>Echinops spinosus</i>	Tizi-n-Test
<i>Galactites tomentosa</i>	In leaf
<i>Hedypnois rhagadioloides</i>	Day 3
<i>Kleinia anteuphorbium</i>	N'Fis Valley, Tizi-n-Test
<i>Koelpinia linearis</i>	Lalla-Takerkoust
<i>Lasiopogon muscoides</i>	Tizi-n-Test
<i>Launaea arborescens</i>	Rather widespread
<i>Onopordum acaulon</i>	Tizi-n-Test
<i>Phagnalon rupestre</i>	Scattered records
<i>Ptilostemon dyricola</i>	In leaf
<i>Pulicaria arabica</i>	Tizi-n-Test pass
<i>Pulicaria mauritanica</i>	A few records
<i>Pulicaria</i> spp.	
<i>Reichardia tingitana</i>	Widespread
<i>Rhagadiolus stellatus</i>	Plateau du Kik
<i>Rhodanthemum atlanticum</i>	Imlil Valley
<i>Rhodanthemum gayanum</i>	N'Fis Valley, Tizi-n-Test
<i>Senecio flavus</i>	Tizi-n-Test
<i>Senecio glaucus coronopifolius</i>	Imlil
<i>Senecio vulgaris</i>	Widespread

Sonchus oleraceus Scattered records
Taraxacum atlanticola Imlil Valley
Voluntaria lippii N'Fis Valley and Lalla-Takerkoust

Betulaceae

Alnus sp. Below Oukaimeden

Boraginaceae

Anchusa undulata atlantica Near Imarigha (RB)
Borago trabutii Tizi-n-Test pass
Buglossoides arvensis N'Fis Valley, ssp.? (RB)
Cynoglossum cheirifolium N'Fis etc.
Cynoglossum creticum Scattered records
Echium horridum Widespread
Neatostoemma apulum N'Fis Valley
Nonea vesicaria Lalla-Takerkoust

Brassicaceae

Alyssum alyssoides N'Fis Valley
Arabidopsis thaliana Scattered records
Arabis auriculata Day 1 last stop (RB)
Arabis parvula Day 1 last stop (RB)
Biscutella baetica N'Fis and Tizi-n-Test
Biscutella didyma Recorded
Capsella bursa-pastoris Scattered records
Carrichtera annua Day 5
Crambe filiformis N'Fis Valley
Diplotaxis harra crassifolia
Erophila verna Scattered records
Eruca vesicaria Lalla-Takerkoust
Erysimum incanum Tizi-n-Test
Erysimum sp. Plateau du Kik
Isatis tinctoria Tizi-n-Test
Hornungia petraea A few records
Malcolmia africana N'Fis Valley, Tizi-n-Test
Matthiola sp.
Moricandia arvensis Tougramane Gorge
Moricandia suffruticosa A few records
Notoceras bicorne N'Fis Valley
Psychine stylosa Tizi-Ouzane
Sisymbrium irio N'Fis Valley
Sisymbrium officinale N'Fis Valley
Thlaspi perfoliatum Scattered records

Cactaceae

Opuntia maxima Scattered

Capparidaceae

Capparis ovata

Caprifoliaceae

Sambucus nigra Imlil Valley
Viburnum tinus N'Fis Valley

Caryophyllaceae

Herniaria cinerea Day 3 etc.
Paronychia argentea Widespread
Paronychia capitata N'Fis Valley and Day 3, ssp.*atlantica*? (RB)
Polycarpon tetraphyllum Recorded
Rhodalsine geniculata Day 3

<i>Spergula</i> sp.	N'Fis Valley
<i>Spergularia</i> sp.	N'Fis Valley
<i>Silene diversifolia</i>	Plateau Du Kik (RB)
<i>Silene vulgaris</i>	Day 6
<i>Silene</i> spp.	
<i>Vaccaria hispanica</i>	N'Fis Valley
Cistaceae	
<i>Cistus creticus</i>	Tizi-n-Test
<i>Cistus salvifolius</i>	Scattered records
<i>Fumana thymifolia</i>	En route to Amizmiz
<i>Helianthemum apenninum</i>	Scattered records, pink flowers on Day 5
<i>Helianthemum salicifolium</i>	Lalla-Takerkoust
Convolvulaceae	
<i>Convolvulus althaeoides</i>	Scattered records
<i>Convolvulus sabatius</i>	Imlil Valley
<i>Convolvulus</i> sp.	
<i>Cuscuta</i> sp.	
Crassulaceae	
<i>Sedum album</i>	Recorded
<i>Sedum sediforme</i>	Recorded
<i>Umbilicus rupestris</i>	Widespread
Cucurbitaceae	
<i>Bryonia dioica</i>	Imlil Valley
Euphorbiaceae	
<i>Euphorbia helioscopia</i>	N'Fis Valley
<i>Euphorbia hirsuta</i>	On the last day (RB)
<i>Euphorbia rigida</i>	A few records
<i>Euphorbia terracina</i>	On the last day (RB)
<i>Mercurialis annua</i>	Scattered records
Fabaceae	
<i>Acacia karoo</i>	
<i>Adenocarpus anagyriifolius</i>	Roadsides below Tizi-n-Test, and Imlil Valley
<i>Anthyllis vulneraria</i>	A few records, ssp. <i>saharae</i> day 3 (RB)
<i>Astragalus akkensis</i>	Day 2 (RB)
<i>Astragalus epiglottis</i>	
<i>Astragalus gombo</i>	Tizi-n- Test
<i>Astragalus hamosus</i>	
<i>Biserrula pelecinus</i>	Day 2 (RB)
<i>Ceratoniasiliqua</i>	Scattered
<i>Chamaecytisus mollis</i>	Scattered records
<i>Coronilla scorpioides</i>	Scattered records
<i>Coronilla valentina</i>	Widespread
<i>Coronilla viminalis</i>	N'Fis Valley
<i>Erinacea anthyllis</i>	Abundant in leaf Tizi-n-Tamatert
<i>Genista quadriflora</i>	Tight cushions at higher altitudes
<i>Genista tricuspis</i>	Near Imarigha (RB)
<i>Hippocrepis atlantica</i>	Tizi-n-Tamatert (RB)
<i>Hippocrepis multisiliquosa</i>	Day 5
<i>Lathyrus cicera</i>	Day 5
<i>Lotus corniculatus</i>	Scattered
<i>Lupinus angustifolia</i>	Day 3
<i>Lupinus cosentinii</i>	N'Fis Valley and above Asni
<i>Medicago laciniata</i>	N'Fis Valley
<i>Medicago minima</i>	Scattered records

<i>Medicago polymorpha</i>	Widespread
<i>Medicago suffruticosa</i>	Imlil Valley (RB)
<i>Melilotus indicus</i>	A few records
<i>Ononis biflora</i>	Day 5
<i>Ononis natrix</i>	Day 2 roadsides
<i>Ononis polysperma</i>	N'Fis Valley
<i>Ononis pubescens</i>	Recorded
<i>Ononis viscosa</i>	Recorded
<i>Retama monosperma</i>	Widespread and locally very common
<i>Scorpiurus muricatus</i>	Scattered records
<i>Tripodion tetraphyllum</i>	N'Fis Valley etc.
<i>Vicia benghalensis</i>	Near The hotel
<i>Vicia lutea</i>	Scattered records
<i>Vicia sativa</i>	Scattered records

Fagaceae

Quercus rotundifolia

Fumariaceae

<i>Ceratocarpus heterocarpa</i>	N'Fis Valley
<i>Fumaria agraria</i>	Day 3
<i>Fumaria ballii</i>	Plateau du Kik, a rare endemic (RB)
<i>Fumaria officinalis</i>	Imlil Valley and Plateau du Kik
<i>Fumaria parviflora</i>	Plateau du Kik
<i>Fumaria rupestris</i>	N'Fis Valley
<i>Rupicapnos africana</i>	N'Fis Valley, Tizi-n-Test

Geraniaceae

<i>Erodium atlanticum</i>	Fine, Tizi n'Test
<i>Erodium chium</i>	Day 3
<i>Erodium cicutarium</i>	Widespread and common
<i>Erodium cossonii</i>	Tizi-n-Test
<i>Erodium guttatum</i>	Fine, N'Fis Valley
<i>Erodium malacoides</i>	Scattered records
<i>Geranium molle</i>	Scattered records
<i>Geranium pusillum</i>	N'Fis Valley
<i>Geranium rotundifolium</i>	Scattered records

Globulariaceae

<i>Globularia alypum</i>	Widespread and locally common
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Lamiaceae

<i>Acinos alpinus</i>	Imlil Valley
<i>Ajuga iva ssp.pseudoiva</i>	Scattered records, yellow or pink flowered
<i>Lamium amplexicaule</i>	Widespread
<i>Lavandula dentata</i>	Widespread
<i>Lavandula maroccana</i>	Widespread
<i>Lavandula multifida</i>	Day 3 and Day 5
<i>Lavandula pedunculata atlantica</i>	
<i>Marrubium vulgare</i>	In leaf
<i>Micromeria hochreutineri</i>	This species seen?
<i>Micromeria sp.</i>	
<i>Salvia aegyptiaca</i>	N'Fis Valley (RB)
<i>Salvia taraxicifolia</i>	N'Fis Valley and Tizi-n-Test
<i>Salvia verbenaca</i>	Scattered records
<i>Sideritis cossoniana</i>	Day 3 (RB)
<i>Sideritis villosa</i>	Day 5
<i>Sideritis spp.</i>	
<i>Teucrium fruticans</i>	Imlil Valley
<i>Thymus leptobotrys</i>	Day 3

Malvaceae

Malva parviflora Scattered records

Moraceae

Ficus carica Scattered records

Oleaceae

Fraxinus angustifolia N'Fis Valley

Papaveraceae

Glaucium corniculatum Widespread
Hypocoum pendulum Day 5 lunch site
Papaver atlanticum Seen before the group arrived
Papaver pinnatifidum Day 3
Papaver rhoeas Scattered records
Roemeria hybrida Lalla-Takerkoust

Plantaginaceae

Acanthorrhinum ramosissimum N'Fis Valley
Chaenorhinum villosum granatense Tizi-n-Test
Digitalis lutea atlantica In fruit on Day 4
Kickxia heterophylla N'Fis and Tizi-n-Test
Linaria maroccana Fine on Plateau du Kik
Linaria micrantha Day 1 last stop (RB)
Linaria saxatilis Yellow flowers. Plateau du Kik (RB)
Linaria ventricosa On the last day (RB)
Linaria weilleri N'Fis Valley
Misopates calycinum
Misopates orontium
Plantago afra Widespread
Plantago amplexicaulis N'Fis Valley
Plantago ciliata N'Fis Valley
Veronica hederifolia maura Imlil Valley

Plumbaginaceae

Limonium lobatum Scattered records

Polygalaceae

Polygala balansae Scattered records
Polygala rupestris N'Fis Valley

Polygonaceae

Emex spinosa Recorded
Rumex bucephalophorus Day 3
Rumex papilio Recorded
Rumex scutatus Recorded
Rumex vesicarius Scattered, e.g. Tizi n'Test

Primulaceae

Anagallis arvensis Widespread

Ranunculaceae

Adonis microcarpa Locally rather common
Clematis cirrhosa Imlil Valley
Ranunculus spicatus N'Fis Valley, Tizi-n-Test

Resedaceae

Reseda elata Probably this Day 2 (RB)
Reseda lutea Scattered records
Reseda phyteuma Scattered records

Rhamnaceae

Rhamnus lycioides
Ziziphus lotus

Imlil Valley
Widespread

Rosaceae

Aphanes sp.
Poterium sp.
Rubus ulmifolius

N'Fis Valley
Day 4

Rubiaceae

Galium aparine
Galium verrucosum
Sherardia arvensis
Rubia tinctorum

Imlil Valley
N'Fis Valley
Scattered records
Imlil Valley etc.

Salicaceae

Populus alba
Populus euphratica
Populus tremula
Salix pedicillata

Scattered records
N'Fis Valley
Oukaïmeden etc.
N'Fis Valley, Tizi-n-Test (*Salix cinerea pedicillata*)

Saxifragaceae

Saxifraga globulifera

In leaf

Scrophulariaceae

Scrophularia spp.
Verbascum erosum

In leaf

Solanaceae

Datura stramonium
Hyoscyamus albus
Nicotiana glauca
Lycium intricatum
Solanum nigrum
Solanum villosum villosum
Withania frutescens

Tizi-n-Test and Day 5
Plateau du Kik
Lower roadsides
Day 5
Scattered records
Tizi-n-Test (RB)
Plateau du Kik

Tamaricaceae

Tamarix africana

Thymelaeaceae

Daphne laureola

Imlil Valley, ssp.*latifolia* ? (RB)

Urticaceae

Forsskaolea tenuissima
Parietaria mauretanic
Urtica pilulifera
Urtica urens

Scattered records
N'Fis Valley
Day 5

Valerianaceae

Fedia graciliflora
Centranthus calcitrapa
Centranthus spp.

Possibly this species Imlil Valley (RB)
N'Fis Valley

Violaceae

Viola subatlantica
Viola spp.

N'Fis Valley and Day 3 (RB)

Zygophyllaceae

Fagonia cretica

Widespread and locally common

Monocotyledons

Amaryllidaceae

Narcissus bulbocodium
Narcissus romieuxii
Narcissus waiteri

Tizi-n-Tamatert and Oukaimeden
2 sites near Amizmiz
A few in fine flower on Tizi-n-Test

Araceae

Arisarum vulgare

Scattered

Areaceae

Chamaerops humilis
Phoenix dactylifera

Widespread
Scattered

Asparagaceae

Asparagus albus
Asparagus horridus
Dipcadi serotinum
Drimia maritima
Ornithogalum sp.

Scattered records
Day 5
Day 3
Widespread and numerous in leaf

Asphodelaceae

Asphodelus fistulosus
Asphodelus ramosus

Widespread, e.g. Tizi n'Test
Widespread

Colchicaceae

Androcymbium gramineum
Colchicum sp.

Tougramane Gorge

Cyperaceae

Carex chaetophylla
Scirpoides sp.
Scirpus holoschoenus

(= *Carex divisa*)

Hyacinthaceae

Dipcadi serotinum
Urginea maritima

Day 3
Widespread and numerous in leaf

Iridaceae

Gynandiris monophylla
Gynandiris sisyrinchium
Iris germanica
Iris planifolia
Romulea bifrons

1 on Day 3, and over on Plateau du Kik
Day 4
Gone over on Plateau du Kik (RB)
Tizi-n-Tamatert and Oukaimeden

Liliaceae

Gagea spp.

Populations of more than one species at a few sites, awaiting
Volume 3 of the flora for identification.

Poaceae

Anisantha madritensis
Arundo donax
Avena barbata
Cenchrus ciliaris
Cymbopogon schoenanthus (RB)
Cynodon dactylon
Hyparrhenia hirta
Lamarckia aurea
Phragmites australis
Poa bulbosa

Stipa tortilis

Smilacaceae

Smilax aspera

N'Fis Valley

Systematic List Number 2

Birds

Cattle Egret	<i>Bubulcus ibis</i>	Widespread and common
Grey Heron	<i>Ardea cinerea</i>	Day 2
White Stork	<i>Ciconia ciconia</i>	Nesting in Asni
Short-toed Eagle	<i>Circaetus gallicus</i>	Seen on 2 days
Sparrowhawk	<i>Accipiter nisus</i>	N'Fis Valley
Long-legged Buzzard	<i>Buteo rufinus</i>	Seen before the group arrived
Booted Eagle	<i>Hieraaetus pennatus</i>	Seen on 2 days
Kestrel	<i>Falco tinnunculus</i>	Widespread
Peregrine	<i>Falco peregrinus</i>	Seen before the group arrived
Barbary Falcon	<i>Falco pelegrinoides</i>	Seen before the group arrived
Barbary Partridge	<i>Alectoris barbara</i>	Scattered records, seen on 4 days
Rock Dove	<i>Columba livia</i>	Widespread
Woodpigeon	<i>Columba palumbus</i>	Widespread
Collared Dove	<i>Streptopelia decaocto</i>	Widespread
Cuckoo	<i>Cuculus canorus</i>	Heard regularly
Little Owl	<i>Athene noctua</i>	2 at Lalla-Takerkoust
Pallid Swift	<i>Apus pallidus</i>	Scattered records
Hoopoe	<i>Upupa epops</i>	Seen before the group arrived
Levaillant's Woodpecker	<i>Picus vaillantii</i>	Heard often, seen near the hotel
Great Spotted Woodpecker	<i>Dendrocopus major</i>	Scattered records
Crested Lark	<i>Galerida cristata</i>	Common on Plateau du Kik
Thekla Lark	<i>Galerida theklae</i>	Widespread
Woodlark	<i>Lullula arborea</i>	Heard before the group arrived
Shorelark	<i>Eremophila alpestris</i>	Quite common at Oukaimeden
Crag Martin	<i>Ptyonoprogne rupestris</i>	Scattered records
Swallow	<i>Hirundo rustica</i>	Widespread
Red-rumped Swallow	<i>Hirundo daurica</i>	Regular over the hotel
Tree Pipit	<i>Anthus trivialis</i>	N'Fis Valley
White Wagtail	<i>Motacilla alba</i>	Scattered records
Grey Wagtail	<i>Motacilla cinerea</i>	Scattered records
Common Bulbul	<i>Pycnonotus barbatus</i>	Widespread
Wren	<i>Troglodytes troglodytes</i>	Heard at various sites
Robin	<i>Erithacus rubecula</i>	Widespread
Nightingale	<i>Luscinia megarhynchos</i>	1 at Asni
Black Redstart	<i>Phoenicurus ochruros</i>	Scattered at higher altitudes
Moussier's Redstart	<i>Phoenicurus moussieri</i>	Seen well on 3 days, several at Tizi-n-Tamatert
Stonechat	<i>Saxicola torquata</i>	Day 6
Black Wheatear	<i>Oenanthe leucura</i>	Widespread
Blue Rock Thrush	<i>Monticola solitarius</i>	Scattered records
Blackbird	<i>Turdus merula</i>	Widespread
Mistle Thrush	<i>Turdus philomelos</i>	Scattered at higher altitudes
Cetti's Warbler	<i>Cettia cetti</i>	Heard on 2 days
Sardinian Warbler	<i>Sylvia melanocephala</i>	Widespread
Blackcap	<i>Sylvia atricapilla</i>	Scattered records
Chiffchaff	<i>Phylloscopus collybita</i>	Scattered records
Coal Tit	<i>Parus ater</i>	Scattered records
Blue Tit	<i>Parus caeruleus</i>	Widespread
Great Tit	<i>Parus major</i>	Widespread
Woodchat Shrike	<i>Lanius senator</i>	Plateau du Kik and Lalla-Takerkoust
Jay	<i>Garrulus glandarius</i>	A few records
Magpie	<i>Pica pica</i>	Scattered records
Alpine Chough	<i>Pyrrhocorax gracilis</i>	Several very large flocks in the High Atlas
Red-billed Chough	<i>Pyrrhocorax pyrrhocorax</i>	Widespread
Raven	<i>Corvus corax</i>	Only on Day 5
Spotless Starling	<i>Sturnus unicolor</i>	Scattered records
House Sparrow	<i>Passer domesticus</i>	Widespread around habitation
Spanish Sparrow	<i>Passer hispaniolensis</i>	Imarigha
Rock Sparrow	<i>Petronia petronia</i>	Day 3

Chaffinch	<i>Fringilla coelebs</i>	Widespread and common
Serin	<i>Serinus serinus</i>	Widespread
Greenfinch	<i>Carduelis chloris</i>	Scattered records
Goldfinch	<i>Carduelis carduelis</i>	Plateau du Kik
Linnet	<i>Carduelis cannabina</i>	Scattered records
Crimson-winged Finch	<i>Rhodopechys sanguinea</i>	10+ seen closely at Oukaimeden
Hawfinch	<i>Coccythraustes coccythraustes</i>	Plateau du Kik
Cirl Bunting	<i>Emberiza cirrus</i>	Widespread
Rock Bunting	<i>Emberiza cia</i>	Widespread
House Bunting	<i>Emberiza striolata</i>	Widespread, even inside Marrakech Airport!
Corn Bunting	<i>Miliaria calandra</i>	Widespread

Systematic List Number 3 Amphibians, Reptiles, and Mammals

North African Common Toad	<i>Amietophrynus mauretanicus</i>	Around the hotel
	<i>Rana perezi?</i>	Heard
Southern Tree Frog	<i>Hyla meridionalis</i>	Heard
Spur-thighed Tortoise	<i>Testudo graeca</i>	Seen before the group arrived
Spanish Terrapin	<i>Mauremys leprosa</i>	Near the hotel
Mediterranean Chameleon	<i>Chamaeleo chamaeleon</i>	N'Fis Valley on the first day
Moorish Gecko	<i>Tarentola mauretanicus</i>	Around the hotel
Atlas Day Gecko	<i>Quedenfeldtia trachyblepharus</i>	A few on the Tizi n'Test
	<i>Agama impalearis</i>	N'Fis Valley and Day 3
Ocellated Lizard	<i>Lacerta</i>	Seen before the group arrived
	<i>Lacerta</i> sp.	
Barbary Ground Squirrel	<i>Xerus getulus</i>	Scattered records, seen on 4 days

Systematic List Number 5

Butterflies

Papilionidae

Southern Scarce Swallowtail *Iphiclides feisthamelii* Scattered records

Pieridae

Large White *Pieris brassicae* Widespread, larvae seen on *Moricandia suffruticosa*
Small White *Artogeia rapae* Widespread
Bath White *Pontia daplidice* Widespread
Western Dappled White *Euchloe crameri* Seen on 2 days
Portuguese Dappled White *Euchloe tagis* N'Fis Valley
Green-striped White *Euchloe belemia* Lalla-Takerkoust
Greenish Black-tip *Elphinstonia charlonia* Widespread in small numbers
Moroccan Orange-tip *Anthocharis belia* Scattered records
Desert Orange-tip *Colotis evagore nouna* N'Fis Valley
Clouded Yellow *Colias crocea* Scattered records
Cleopatra *Gonepteryx cleopatra* At the hotel

Lycaenidae

Moroccan Hairstreak *Tomares mauretanicus* Tougramane Gorge and Day 5
Small Copper *Lycaena phlaeas* Scattered records
Mediterranean Blue *Tarucus rosaceus* Near Amizmiz before the group arrived
Lorquin's Blue *Cupido lorquini* A female in N'Fis Valley
Brown Argus *Aricia agestis* Scattered records
'Common Blue' *Polyommatus celina* N'Fis Valley. This is the regional form of Common Blue, now generally split as a full species.
Spotted Adonis Blue *Polyommatus punctiferus* A good colony at Tizi-n-Test

Nymphalidae

Large Tortoiseshell *Nymphalis polychloros* Singletons on 2 days
Red Admiral *Vanessa atalanta* Seen on 2 days
Painted Lady *Cynthia cardui* Widespread
Spotted Fritillary *Melitaea didyma* N'Fis Valley

Satyridae

Small Heath *Coenonympha pamphilus* Scattered records
Speckled Wood *Pararge aegeria* Scattered records
Wall Brown *Lasiommata megera* Scattered records