Alpine Flowers of the Tien Shan

Naturetrek Tour Report 23 June - 5 July 2007

Report compiled by Neil Anderson
Day 1
Saturday 23rd June
Heathrow- Almaty

It was a good feeling heading east to escape the dreary grey skies of the UK. Unfortunately the flight departing Heathrow was an hour late departing Heathrow for Frankfurt, making things tight for our connecting flight. Though the entire group made this second flight, for four of us, our luggage didn’t!

Day 2
Sunday 24th June
Almaty—train journey

Following a night’s sleep & a varied breakfast in Hotel Otrar we ventured to the market so that those without spare clothes could purchase some cheap spares until our luggage caught up with us! Mission accomplished we headed up to the skating rink, which at 2000 metres, is one of the highest in the world. No we didn’t do a Torvill & Dean but admired the view plus looked at some of our first plants: elegant yellow spikes of *Ligularia macrophylla*, pale mauve spires of *Aconitum leucostomum* and yellow heads of *Patrinia intermedia*. Many butterflies were also enjoying the warm sunshine with apollos, swallowtail, hermits and more familiar painted ladies.

Having enjoyed a tasty picnic lunch we headed back to Almaty to visit the city museum to learn more about the history and culture of Kazakhstan. We also did a tourist run to visit the Russian Orthodox Church in the central park, the war memorial, a Muslim Church and Old Town Square. At 18.40 we boarded our sleeper for the journey across the steppes to South Kazakhstan.

Day 3
Monday 25th June
Tulkubas, guest house, Kok Sai Gorge

We arrived at our comfortable guest house after a 30 minute journey from Tulkubas station, where our train arrived at 7.00. Margaret opted out of the day’s activities to relax in the village and visited the local museum. The rest of us headed for the journey to Kok Sai Gorge with various botanical stops en route.
Chris spotted some yellow spikes which resulted in our first stop to admire *Delphinium semi-barbatum*. The next stop was to look at the fabulous white spires of *Eremurus tianschanicus*. Colin became very animated when he discovered his holy grail on the first day! As an Allium farmer his desire was to find *A. longicuspis* in the wild and we were given an interesting mini-lecture on the history of garlic cultivation. We had one further stop before our destination to see the bizarre architectural flowers of *Astragalus alopecias*.

On arrival at Kok Sai we had our picnic before investigating the flora. Amongst the floral delights were white roses, mauve *Cortusa turkestanica*, a Primula relative, and the marsh orchid, *Dactylorhiza rosea* as well as Hypericums and Geraniums.

After a couple of hours we were met by a truculent park official who forbade us to take any more photos and we were escorted back in our bus to their barracks for an hour’s detention while our apparent trespass was resolved – it appears we may have strayed over a border into a neighboring country!

**Day 4**

**Tuesday 26th June**

**Guesthouse, mountain house**

For the four of us without luggage it was a relief to be reunited with our cases! At breakfast we surprised Peter with a “Happy Birthday” chorus and card, while Anna kindly donated a fine book to which she was a contributor - the perfect gift which Peter will treasure!

Soon we were off to meet our horses for the 12km ride up to the mountain house. Some of the party had previous equestrian experience, but all coped well. We were greeted by a calling hoopoe on a farm building roof and Red-headed Buntings were singing from almost every bush. Higher up we heard Nightingale song as well as several quail.

Everybody agreed the flowers and the views were stunning. Lower down this was dominated by purple betony and yellow yarrows. One of the most stunning plants was *Marina kokanica*. Just before lunch at the half-way house we admired the waterfall, near which was *Dracocephalum bipinnatum*.

Reaching the upper meadows was truly a picture with white umbels of *Scaligera setacea*, various Alliums, blue *Veronica spuria* and *Delphinium confusum*, yellow *Galium verum*, and many butterflies. We arrived at 17.00 allowing time for a basic shower before a fine meal at 20.00.

**Day 5**

**Wednesday 27th June**

Barbara, Margaret and Sheila had the delights of sleeping in a yurt whilst the rest of us resided in the mountain house. Following breakfast we ascended to view some petroglyphs which depicted ibex and wild sheep. We found two new roses, the yellow *R. kokanica* and the dwarf *R. hissarica* with white flowers growing on rocks.

We returned for lunch at 13.00 before exploring a nearby dry streambed. Amongst the plants here were the statuesque *Eremurus regelii*, blue *Ixiolirion tataricum* and the rare endemic spiny thistle, *Cousinia tianschanica*. 
Day 6

Ulken Kaindy Pass

As we sat for breakfast there was a cry of “bear!” from the local horsemen, which resulted in a rapid exit outside. After some frustrating scanning many of us saw a distant Isabelline brown bear, of which about 60 reside in the park.

For the next couple of hours we were on our horses for the ascent to the ridge, passing many fine flowers en route. At the ridge we admired the vista of neighbouring mountains. Walking along were some exquisite alpines such as *Androsace sericea*, maroon *Allium oreophilum* and orange *Erigeron cabulicus*.

Following lunch in cooling conditions we started to descend, revelling in the orange swathes of *Trollius altaicus* as well as white *Anemone protracta* and a large colony of yellowish *Allium fedtschenkoana*.

After our return Colin, Elaine and Barbara indulged in some extra horse riding with a local guide which was great fun for them!

Day 7

Mountain house - guest house

After some heavy overnight showers the three yurt inhabitants appeared a little damp for breakfast. It was soon time to leave the atmospheric mountain house and descend initially through the flower filled meadows and then through the juniper woods before lunch was taken in a shady spot.

Having completed the first part of the descent on foot we then completed the second part on horseback, apart from Chris and Peter who preferred Shank’s pony!! Janet and Sheila opted to visit the local museum after our return to the guest house. Others visited a local farm to watch a mare being milked and collect the results!

Day 8

Aksu Gorge, train Almaty

Our final destination in South Kazakhstan was the nearby Aksu (meaning White River) Gorge. We stopped to observe some thermalling Black and Egyptian vultures as well as some gaudy Bee-eaters on wires. Another stop was to examine the culture of a local village where we saw stock dung being dried for winter fuel as well as some bread ovens.

The gorge itself is now off limits though we admired a Golden Eagle as it soared past. Growing on the conglomerate rock at the top were various specialities of this habitat such as *Sergia sewersowii*. Seeing the unusual daffodil relative, *Ungernia sewersowii* in flower was rewarding.

A few more field stops were made before our return to the village. Further excitement was provided by our bus grinding to a halt and then being ferried by cars. Such is the resourcefulness of our bus driver it was fully repaired for our trip to the station!
Day 9

Almaty, Observatory

We arrived back at Almaty 2 Station at 8.30 to be transported to hotel Otrar for breakfast. After purchasing essentials such as a supply of booze we began our ascent to the observatory. The latter is rather surreal, like an outcast from some 1970's b-movie, but proves to be a comfortable base for our 3 days here, situated at 2800m in the north Tien Shan Mountains.

Half the group joined Anna for an afternoon stroll. Here was a roving flock of Alpine Choughs, while the flowers were diverse, such as *Cortusa brotheri*, the tiny chive, *A. scoenoprasoides* and a highlight the yellow *Corydalis gortschakovii*. Nearby we enjoyed the antics of grey marmots and a couple of red pikas. A fine end to our day in the field!

Day 10

Observatory, Almaty Lake

With half the party still poorly from a bug, the rest of us went down in the bus to Almaty Lake. As we set off the skies opened with much thunder so we returned to the sanctuary of the vehicle. After 30 minutes or so we set off again and discovered the fine *Chamnerion latifolium* and some yellow cushions of *Sedum hybridum*. Further rain had us sheltering under the Tien Shan spruce. Further downpours resulted in us returning and failing in our quest to see Ibisbill.

Lunch was taken on the bus before returning to base. Following a siesta a few of us explored a nearby ravine for an interesting walk, a few new plants and more marmots. Dinner was enlivened by a small Irish TV crew who were filming locally for a series called a “Postcard from Home”.

Day 11

Cosmos station

Today the group headed up by bus to the Cosmos Station at 3300m. This is the kingdom of alpine cushions with some bizarre plants such as Saussurea species. Four species of saxifrage were seen, while a real highlight was *Paraquiligea grandiflora*.

Being high in the mountains the weather can be changeable and so it was with thundery rain, snow and hailstorms which made for some interesting photos. Due to the adverse conditions the party returned by 14.00 for reviving hot tea and showers!

Day 12

Observatory, Almaty

We departed the observatory at 10.00 to begin our drop into Almaty with several botanical stops. Almaty Lake was briefly visited for those that missed out the first time which was fortuitous with the discovery of three species of flowering gentian- full marks to Margaret’s sharp eye.
Another stop was to see the rare *Erysimum croceum*. A picnic lunch by a stream proved an idyllic stop before our final plant hunt where we saw two towering species of *Inula* and *Lavatera thuringica*.

We said our sad farewell to the incomparable Anna and headed back to Hotel Otrar. A few of the group decided to visit the Green Market. After dinner at the nearby Czech restaurant the group prepared for the farewell journey to the airport.

**Day 13**

**Thursday 5th July**

**Almaty, Heathrow**

Despite a delay leaving Almaty, a stop in the capital in Astana, we arrived in Frankfurt an hour ahead of schedule, before catching the Heathrow flight where goodbyes were said and fond memories of an enjoyable trip. The warmth of the local people always shone through and everybody was struck by this.
# Species Lists

## Plants

### Alliaceae
- *Allium amblyophyllum* (A. *platyspathum*)
- *A.atroanguineum.*
- *A. barszczewskii*
- *A. caesium*
- *A. caeruleum*
- *A. drobovii*
- *A. eriocoleum*
- *A. fedtschenkoana*
- *A. fetissovi*
- *A. hymenophyllum*
- *A. karataviense*
- *A. kokanicanum*
- *A. longicuspis*
- *A. oreophilum*
- *A. pallassii*
- *A. polyphyllum*
- *A. sewersowii*
- *A. turkestanicum*

### Amaryllidaceae
- Ungernia sewersowii

### Asphodelaceae
- *Eremurus altaicus*
- *Eremurus fuscus*
- *Eremurus lactiflorus*
- *E. regelii*
- *E. robustus*
- *E. tianschanicus*

### Colchicaceae
- Colchicum luteum

### Convallariaceae
- *Polygonatum roseum* (P. *sewersowii*)

### Iridaceae
- *Iris alberti*
- *I. sogdiana*

### Ixioliriaceae
- *Ixiolirion tataricum*

### Liliaceae
- *Fritillaria sewersowii*
- *Gagea filiformis*
- *Lloydia serotina*
- *Tulipa dasystemonoides*
- *T. greigii*
- *T. heterophylla*
- *T. kaufmanniana*
- *T. turkestanticum*

### Orchidaceae
- *Coeloglossum viride* (==D. *viridis*)
- *Dactylorhiza rosea* (Goodyera repens)
- *Epipactis latifolia*

### DICOTS

### Aceraceae
- *Acer negundo*
- *A. semonovii*

### Apiaceae
- *Aegopodium alpestris*
- *M. macrophylla*
- *A. tadshikorum*
- *Mureta transitoria*
- *Anaclospereum simplex*
- *Oedibasis platycarpa*
Angelica brevicaulis
A. decurrens
Bupleurum tianschanicum
Conium maculatum
Daucus carota
Ferula karatavica
F. penninervis
F. renardii
F. tenuisecta
Filopleura kosopolyskii
Heracleum dissectum
Libanotis talassica
Ligusticum discolour
L. talassicum

Asteraceae
A. micrantha (A. biebersteinia)
A. millefolium
Acroptilon australis
Alphredia nivalis
Anaphalis racemifera
Arctium tomentosum
Artemisia absinthium
A. dracunculus
A. junceum
A. persica
A. ruthifolia
A. santolinifolia
Aster alpinus
A. canescens
Carthamus lanatus
C. tinctoria
Centaurea depressa
C. iberica
C. ruthenica
C. squarrosa
C. turkestanica
Cichorium intybus
Cirsium seminovii
C. turkestanicum
Cousinia caespitosa
C. fetissovi
C. karatavica
C. microcarpa
C. minkwitziae
C. sewersowii
C. syrjaniensis.
C. tianschanicus
C. turkestanica
C. umbrosa
Doronicum turkestanicum
Echinops chantaricus
E. karatavicus

Balsminaceae
Impatiens noli-tangere

**Berberidaceae**
- Berberis oblonga
- B. sphaerocarpa

**Betulaceae**
- Betula talassica
- B. turkestanica

Anthusa azurea
- Echium vulgare
- Enrichtium tianschanicum
- Lappula microcarpa
- L. tianschanicum
- Lindelophia macrostyla

**Betulaceae**
- Betula talassica
- B. turkestanica

Anchusa azurea
- Echium vulgare
- Enrichtium tianschanicum
- Lappula microcarpa
- L. tianschanicum
- Lindelophia macrostyla

**Brassicaceae**
- Chorispora integrifolia
- Crambe orientalis
- Draba alpina
- Erysimum croceum
- Lappula microcarpa
- L. tianschanicum
- Lindelophia macrostyla

**Campanulaceae**
- Adenophora himalayana
- Campanula alberti
- C. glomerata
- C. limoniana
- Cylindrocarpa sewersowii
- Phyteuma argutum
- Sergia sewersowii

**Campanulaceae**
- Adenophora himalayana
- Campanula alberti
- C. glomerata
- C. limoniana
- Cylindrocarpa sewersowii
- Phyteuma argutum
- Sergia sewersowii

**Caprifoliaceae**
- Lonicera cinerea
- L. hispida
- L. karelinii
- L. microphylla
- L. nummularifolia
- L. stenantha
- L. tartarica
- L. tianschanica

**Caryophyllaceae**
- Acanthophyllum pungens
- Allochra gypsopholoides
- Arenaria griffithii
- Cerastium cerastiodes
- C. dahuricum
- Dianthus hoeltzeri
- D. karataviense
- D. tetralaevis
- D. tianschanicus
- Gypsophila cephalotis
- Minuartia kryloviiarca
- Silene graminifolia
- S. kuschakewiczii
- S. mishakewiczii
- S. triste
- S. vulgaris
- S. wolgensis
- Stellaria fontana
- S. graminea
- Thylacospermum caespitosum

**Celastraceae**
- Euonymus koopmannii
- E. semenovii

**Chenopodiaceae**
- Chenopodium album
- Rhaphidophyton regellii

**Chrysoplenaceae**
- Chrysosplenium nudicaule

**Convolvulaceae**
<table>
<thead>
<tr>
<th>Family</th>
<th>Genus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convolvulaceae</td>
<td>Convolvulus arvensis</td>
</tr>
<tr>
<td></td>
<td>C. pseudocantabrica</td>
</tr>
<tr>
<td></td>
<td>C. lineatus</td>
</tr>
<tr>
<td>Crassulaceae</td>
<td>Pseudosedum longidentatum</td>
</tr>
<tr>
<td></td>
<td>Sedum alberti</td>
</tr>
<tr>
<td>Rosularia cocinea</td>
<td>S. ewersii</td>
</tr>
<tr>
<td>R. heterodonta</td>
<td>S. hybridum</td>
</tr>
<tr>
<td>R. linarifolia</td>
<td></td>
</tr>
<tr>
<td>Cuscutaceae</td>
<td>Cuscuta engelmannii</td>
</tr>
<tr>
<td></td>
<td>C. lehmeniana</td>
</tr>
<tr>
<td>Dictamnaceae</td>
<td>Dictamnus angustifolia</td>
</tr>
<tr>
<td>Dipsacaceae</td>
<td>Dipsacus azureus</td>
</tr>
<tr>
<td></td>
<td>Scabiosa micrantha</td>
</tr>
<tr>
<td>Euphorbiaceae</td>
<td>E. jaxartica</td>
</tr>
<tr>
<td>Fabaceae</td>
<td>Astragalus aksaricus</td>
</tr>
<tr>
<td></td>
<td>Melilotus albus</td>
</tr>
<tr>
<td>A. alatavicus</td>
<td>M. officinalis</td>
</tr>
<tr>
<td>A. alpinus</td>
<td>Medicago falcata</td>
</tr>
<tr>
<td>A. alopeacies</td>
<td>M.. sativus</td>
</tr>
<tr>
<td>A. aschutaria</td>
<td>Melissitus tianschanicus</td>
</tr>
<tr>
<td>A. macrotropis</td>
<td>Meristrotropis triphylla</td>
</tr>
<tr>
<td>A. platyphyllos</td>
<td>Onobrychis echidna</td>
</tr>
<tr>
<td>A. pseudomacropteris</td>
<td>Orobus luteus</td>
</tr>
<tr>
<td>A. sieversianus</td>
<td>Oxytropis albovilloso</td>
</tr>
<tr>
<td>A. tibhetanus</td>
<td>O. almatensis</td>
</tr>
<tr>
<td>A. ugaricus</td>
<td>O. aluetensis</td>
</tr>
<tr>
<td>Cicer flexuosum</td>
<td>O. brachycarpus</td>
</tr>
<tr>
<td>C. songoricum</td>
<td>O. laponica</td>
</tr>
<tr>
<td>Glycorhiza uralensis</td>
<td>O. recognita</td>
</tr>
<tr>
<td>Hedysarum fedtschenkoanum</td>
<td>O. talassicus</td>
</tr>
<tr>
<td>H. flavescens</td>
<td>Sophora alepocuroides</td>
</tr>
<tr>
<td>H. montanum</td>
<td>Thermopsis alpina</td>
</tr>
<tr>
<td>H. semenovii</td>
<td>Trifolium pratense</td>
</tr>
<tr>
<td>H. neglectum</td>
<td>T. repens</td>
</tr>
<tr>
<td>H. talassicum</td>
<td>Vicia cracca</td>
</tr>
<tr>
<td>Lathyrus pisiformis</td>
<td>V. kokanica</td>
</tr>
<tr>
<td>L. pratensis</td>
<td>V. tenuifolia</td>
</tr>
<tr>
<td>L. tuberosa</td>
<td></td>
</tr>
<tr>
<td>Fumariaceae</td>
<td>Corydalis glaucescens</td>
</tr>
<tr>
<td></td>
<td>Cysticorydalis fedtschenkoana</td>
</tr>
<tr>
<td>Gentianaceae</td>
<td>Gentiana falcata</td>
</tr>
<tr>
<td></td>
<td>G. tianschanicum</td>
</tr>
<tr>
<td></td>
<td>Gentianella turkestanorum</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
G. kaufmaniana
G. olivieri

**Geraniaceae**
Biebersteinia multifida
Geranium collinum
G. pratense

**Grossulariaceae**
Ribes meyeri

**Hypericaceae**
Hypericum elongatum
H. hirsutum

**Lamiaceae**
Betonica foliosa
Doddartia orientalis
Dracocephalum bipinnatum
D. grandiflorum
D. imberbe
D. nutans
D. stamineum
Eremostachys platycalyx
E. speciosa
E. tianschanicus
Lamium album
Leonurus turkestanicus
Lophanthus schrenki
Mentha asiatica
Nepeta pannonica
N. mariae
Origanum tyttanthum
O. vulgare
Phlomis brachystegia

**Linaceae**
Linum altaicum
L. pallescens

**Malvaceae**
Althaea armenaca
Alcea nudiflora

**Morinaceae**
Morina kokanica

**Onagraceae**
Chamnerion angustifolium
C. latifolium

**Orobranchaceae**
Orobranche kotschyi
O. sordida

**Papaveraceae**
Swertia variabilis
G. rectum
G. saxatile

Ribes meyeri
H. perforatum
H. scabrum
P. eriophila
P. pratensis
P. salicifolia
P. tuberosa
Salvia aethiopis
S. deserti
S. sclarea
Scutellaria cordifrons
S. flabellulata
S. immaculata
S. linczweski
S. transiliensis
Stachyopsis lamiifolia
S. oblongata
Thymus karatavicus
T. seranschanicus
Ziziphora bungeana
Z. pamirealaica
L. olgae
Glaucium squamigerum  
Papaver croceum  

**Plantaginaceae**  
Plantago arachnoidea  

**Plumbaginaceae**  
Acantholimon albieti  

**Polemoniaceae**  
Polemonium caeruleum  

**Polygonaceae**  
Atraphaxis pyrifolia  
Koenigia islandica  
Oxyria digyna  
Polygonum coriarium  
P. hissaricum  
P. nitens  
P. songoricum  

**Primulaceae**  
Androsace arbojtalensis  
A. sericea  
Cortusa brotheri  

**Pyrolaceae**  
Moneses uniflora  
Orthilia secunda  

**Ranunculaceae**  
Aconitum leucostomum  
A. nemorum  
A. songoricum  
A. rotundifolium  
A. talassicum  
Anemone protracta  
Aquilegia atroviscosa  
Atragene sibirica  
Callianthemum alatavicium  
Delphinium confusum  
D. iliense  

**Rhamnaceae**  
Rhamnus cathartica  

**Rosaceae**  
Agrimonia asiatica  
Alchemilla sibirica  
A. tianschanicus  
Cotoneaster suavis  
Crataegus korolkowii  
C. pontica  
C. turkestanica  
P. orientalis  
Alchemilla sibirica  
P. transcaspia  
A. tianschanicus  
P. tianschanicus  
Cotoneaster suavis  
P. tianschanicus  
Crataegus korolkowii  
Rosa alberti  
C. pontica  
R. beggariana  
C. turkestanica  
R. fedtschenkoana
Alpine Flowers of the Tien Shan

Fragaria viridis
Geum rivale
G. urbanum
Malus sieversii
Orthorus kokanica
Padus mahaleb
Potentilla asiaticus
P. desertorum
P. fedtschenkoana
P. hololeuca
P. impolita
P. multifida
P. nervosa

Rubiaceae
Asperula humifusa
A. karataviense
Galium aparine

Rutaceae
Haplophyllum perforatum

Saxifragaceae
Parnassia laxmannii
P. palustris
Saxifraga hirculus

Scrophulariaceae
Euphrasia bajancolica
E. tatarica
Lagotis integrifolia
Pedicularis alatauica
P. dolichorhiza
P. korolokovii
P. oederii
P. rhinanthoides
P. talassica

Solanaceae
Hyoscyamus niger

Tamaricaceae
Tamarix ramosissima

Ulmaceae
Celtis caucasica

Valerianaceae
Patrinia intermedia
Valeriana fedtschenkoana

Violaceae
Viola acutifolia
V. altaica
V. rupestris
V. tianschanica

R. hissoria
R. kokanica
R. nanothamnus
R. persica
Rubus caesius
Sanguisorba alpina
S. minor
S. officinalis
Sibbaldia pentandra
Spiraea hypericifolia
S. lasiocarpa
S. pilosa
S. rupestris
G. septentrionale
G. verum
Rubia regelli
S. macrocalyx
S. oppositifolia
S. sibirica
Scrophularia alata
S. incisa
Verbascum songoricum
Veronica anagallis-aquatica
V. beccabunga
V. chamaedrys
V. laeta
V. porphyriana
V. spuria
V. turkestanica
V. tianschanica
GYMNOSPERMS

Cupressaceae

Juniperus pseudosabina
J. seravschanica
J. semiglobosa
J. turkestania

Ephedraceae
Ephedra equisetine

Pinaceae
Picea schrenkiana

FERNS

Botrychium lunaria
Dryopteris filix-mas
Cystopteris fragilis
Birds

Grey Heron
Black Stork
Ruddy Shelduck
Mallard
Golden Eagle
Black Vulture
Egyptian Vulture
Lammergeier
Black (eared) Kite
Montagu’s Harrier
Sparrowhawk
Kestrel
Hobby
Steppe Buzzard
Long-legged Buzzard
Grey Partridge
Pheasant
Quail
Moorhen
Black-winged Stilt
Common Sandpiper
Black-headed Gull
Common Tern
Wood Pigeon
Feral Pigeon
Collared Dove
European Turtle Dove
Oriental Turtle Dove
Laughing Dove
Cuckoo
Roller
Bee-eater
Hoopoe
Barn Swallow
House Martin
Water Pipit
Masked Wagtail
Grey Wagtail
Wren (H)
Brown Dipper

Black-throated Accentor
Blackbird
Mistle Thrush
Nightingale (H)
Himalayan Rubythroat
Siberian Stonechat
Golden Oriole
Hume’s Warbler
Greenish warbler
Whitethroat
Hume’s Lesser Whitethroat
White-crowned Penduline Tit (H)
Great Tit
Turkestan Tit
Songar Tit
Yellow-breasted Azure Tit
Rufous-naped Tit
Lesser Grey Shrike
Long-tailed Shrike
Carriage Crow
Rook
Jackdaw
Alpine Chough
Magpie
Starling
Rose-coloured Starling
House Sparrow
Indian Sparrow
Tree Sparrow
Spanish Sparrow
Red-mantled Rosefinch
Common Rosefinch
Grey-faced Goldfinch
Red-fronted Serin
Plain Mountain Finch
White-winged Grosbeak
Rock Bunting
White-capped Bunting
Red-headed Bunting

H = heard
Mammals

Isabelline Brown Bear
Red Deer
Ibex
Grey Marmot

Red Pika
Forest Dormouse
Red Squirrel

Reptiles

Haly’s Pit-viper
Alpine Lidless Skink

Butterflies and Moth

Swallowtail

Apollo Parnassius apollonius
P. maximus
P. tianschanicus

Eastern Bath White
Small White
Black-veined White
Metaporia leucodice
Wood White
Brimstone
Orange Tip
Eastern Clouded Yellow
Peacock
Yellow-legged Tortoiseshell
Painted Lady
Queen of Spain Fritillary
Hungarian Glider

Cardinal
Brown Argus
Common Blue
Polyammatus icadius
Holly Blue
Small Copper
Erebia meta
Hermit, Chazara enervata
Meadow Brown
Marbled Skipper
Marbled White sp- Melanargia parce
Hummingbird Hawkmoth
Brimstone Moth
Swallow-tailed Moth
Silver-Y

Other Fauna

Praying Mantis sp
Carpenter Bee

Mylabris sp Beetle
Rosechafer

Receive our e-newsletter

Join the Naturetrek e-mailing list and be the first to hear about new tours, additional departures and new dates, tour reports and special offers. Visit www.naturetrek.co.uk to sign up.