

France - French Pyrenees - Butterflies (BC)

Naturetrek Tour Report

30 June - 7 July 2007



Apollo butterfly



Pyrenees butterfly group



The Cirque de Troumouse



Spring Gentian

Report compiled by Mark Galliot
Photos by Mark Galliot



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Day 1

Saturday 30th June

Hot, sunny

The flight from Gatwick was late into Toulouse, where Mark (who actually lives in France) met the group at the baggage reclaim area, only to find that two members of the group could not find their luggage on the belt. Eventually, it transpired that it would be arriving on a later flight and would be forwarded to the hotel the following day!

It was hot and sunny as we loaded up and set off on the 2½ hour drive down the autoroute towards the mountains and our hotel at Gèdre. Black Kites were everywhere in huge numbers along this road, the only other sightings to enliven the journey being some Yellow-legged Gulls and a Little Egret on the River Garonne.

Exiting the motorway, we skirted the pilgrimage town of Lourdes and entered the narrowing gorge of the fast flowing Gave de Gavarnie stream, which tumbles all the way down from the Spanish border. Soon after passing the famous Pont Napoleon Bridge, just upstream of the spa town of Luz St Saver, we reached our destination, where our amiable hosts Odile and Philippe promptly allocated us to our rooms. We then sampled the first of many delicious dinners that we were to enjoy during the forthcoming week. Afterwards we just had time to watch the sun set behind La Brèche de Roland, high up on the mountain ridge to the south, before retiring to our respective rooms.

Day 2

Sunday 1st July

Cloudy, then sunny periods

Our first full day in the field dawned fine but misty, so we eagerly ate our breakfast for an early start up the Heas valley high up behind the village to the Barrage des Gloriettes. This holds back the Gave d'Estaube to form a substantial stretch of water, with lovely views up the valley towards the Cirque itself to the south. We started by inspecting the rocky area either side of the road beneath the dam structure which at this time of the year is a riot of colour from the numerous plants that grow here, many of them endemic to the Pyrenean range. Scottish Asphodel-*Tofieldia calyculata*, Pyrenean Eryngium-*Eryngium bongatii*, Bluish Mignonette-*Reseda glauca*, Field Gentian-*Gentiana campestris*, Pyrenean Vetch-*Vicia pyrenaica*, and the endemic yellow Treacle Mustard-*Erysimum duriaei* ssp *pyrenaicum* were just some of them, while there were also many Orchids to be seen including Greater Butterfly, Fragrant, Heath Spotted, Burnt-tip, Vanilla, and the elusive Small White Orchid. The birds were also not to be outdone with a superb Lammergeier, a distant Golden Eagle, both Alpine and Red-billed Choughs, and our first views of the magnificent Griffon Vultures which now thankfully range far and wide in these mountains.

After eating our picnic lunch in the vicinity of the parking area, noting a superb colony of the endemic and very impressive spikes of Pyrenean Saxifrage, we then set off across the barrier and skirted the reservoir. The cloud was now clearing and the sunny conditions heralded the appearance of many species of butterfly with Black-veined White, Small Tortoiseshell, Heath, Small Pearl Bordered & False Heath Fritillaries, Common, Idas & Little Blues, Orange Tip, Large Wall Brown, Grizzled Skipper and the ubiquitous Piedmont Ringlets all being particularly numerous. Other rarer species included Oberthur's, Large Grizzled & Cinquefoil Skipper, Mountain Ringlet, and Turquoise Blue. With the threat of an imminent thunder storm, we then hastily made our way back down the winding valley road to the hotel to freshen ourselves up before dinner after a tiring but very successful first day.

Day 3

Monday 2 July

Mist clearing, then warm and sunny

We awoke to thick mist, but with the forecast of this clearing by late morning, we decided to make for the Port de Boucharo, high up right on the Spanish border. At 2270m this is the highest point that we could reach by road during our stay, and would give us access to species of plant, bird, and perhaps butterfly that we would probably not have again later in the week.

We firstly drove up the valley to Gavarnie, before taking the steep winding road up to the Ski resort area at the Vallée des Espécières, stopping en route at the ski lodge to scan the surrounding area with our binoculars, having good views of Northern Wheatear, Water Pipit, Yellowhammer, and a large party of very obliging Linnets. Continuing upwards, we parked the mini-bus at the Col de Tentes to walk the final 1½ km to the Port, as the road is closed due to rock falls. As predicted the cloud was starting to break up now giving us tantalising views down the valley to Gavarnie and above to the high peaks all around. Fleeting glimpses were had of a pair of Snowfinches, but the Griffin Vultures were the real stars as a small group continually circled around us either at head height or below, giving us unusually close and detailed views.

Reaching the Port itself the cloud had totally lifted, so we could enjoy the extensive views over the border into Spain and the adjacent Odessa national park. On the rocks and scree here, many colourful plants were starting to flower after the snow melt with Pygmy Hawksbeard-*Crepis pygmaea*, Spring Gentian-*Gentiana verna*, Trumpet Gentian-*Gentiana acaulis*, Ashy Crane's-bill-*Geranium cinereum*, Pygmy Buttercup-*Ranunculus pygmaeus*, Alpine Toadflax-*Linaria alpina*, Yellow Rock Jasmine-*Vitaliana primulifera* ssp *canescens*, and Pyrenean Milk-vetch-*Oxytropis pyrenaica* all contributing to the spectacle, while the handsome pink endemic Pyrenean Thistle-*Carduus carlinoides* was particularly noticeable. Returning to the car park we ate our picnic lunch on the alpine turf near the minibus, before descending into the Ossoue valley for the afternoon.

Reaching the bottom, we then drove up a little way to an area of flowery grassland and scrub next to a stream beneath the towering cliffs, an ideal site for us to spend the rest of the day identifying the myriads of butterflies here, probably the largest concentration of species we were to see all week. Before descending into the meadows though, we were somewhat distracted by a pair of magnificent Lammergeiers quartering the cliffs, closely followed by an Egyptian Vulture. We were to see the former birds all week in and around this location, obviously indicating a nesting site for them somewhere on this huge buttress of rock. Reluctantly tearing ourselves away from these delights, we started to identify the many butterflies on the wing in the meadow below, these including

amongst others Meadow & Lesser Marbled Fritillaries, Apollo, Escher's, Adonis, Common, Silver-studded & Large Blues, Marbled Skipper, Berger's & Common Clouded Yellow, Swallowtail, Pearly Heath and Bright-eyed Ringlet. Where the level of the stream had dropped somewhat small puddles had formed, and here there were clouds of especially Blues and Skippers as they feverishly extracted the nutrients that had been left behind.

Day 4

Tuesday 3 July

Warm, sunny

The overnight mist was already clearing when we left the hotel and headed up the main valley to Gavarnie and its famous Cirque, parking next to the river full of the cold melt water from the still quite sizeable snow fields high up on the mountain ridges. As we crossed the small bridge and left the village into the native Mountain Pine woodland we noted our first plants, with Horned Pansy-*Viola cornuta*, Wolf's-bane-*Aconitum vulparia*, Pyrenean Scabious-*Scabiosa cinerea*, Alpine Marsh Orchid-*Dactylorhiza majalis* ssp *alpestris*, Blue Saxifrage-*Saxifraga caesia*, Creeping Globularia-*Globularia repens* all being noted. Birds seen were Raven, Crag Martin and many singing Garden Warblers, while many butterflies were now on the wing, new species for the week being Wood & Green-veined White, Small Tortoiseshell and Marbled White. As we climbed ever higher, the full grandeur of this special place was gradually unfolding before us until just as we neared the "hostellerie" the whole panorama of the cirque was visible, a truly magnificent sight.

Lunch was now calling, so we spread our picnic out on a large boulder with a backdrop of the "grand cascade" (reputedly the highest waterfall in Europe), and the vast bulk of the rest of the cirque stretching away either side of it. Here amongst the rocks there was a good assemblage of interesting plants with Livelong Saxifrage-*Saxifraga paniculata*, the lovely mauve flowered Ramonda-*Ramonda myconi*, Edelweiss-*Leontopodium alpinum*, Mountain Avens-*Dryas octopetala* and more blooms of Ashy crane's-bill. Butterflies here were rather scarce, although we did identify a distinctive alpine day flying moth as *Psodes quadrifaria*.

After an ice cream stop at the hotel, we then slowly made our way back down the valley to Gavarnie, pleased that we had walked up in the morning as by now there seemed to be literally hordes of people making the trip up to the Cirque. Nearing the village we once again had good views of one of the Lammergeiers, before it flew across to its cliff home at the entrance to the Ossoue valley. We had some time left to explore, so Mark then took us back down to Gédre and up the Heas valley again to park next to yet another lovely flowery meadow. Here amongst the many butterflies on the wing we added Meadow Brown, the Pyrenean dark form of Yellow-spotted Ringlet and the exquisite Purple-edged Copper to the list.

Day 5

Wednesday 4 July

Mist clearing, sunny periods, cold wind

The usual morning mist was perhaps a little lower today as we set out after breakfast once again up the valley to Gavarnie, past the car parking attendants, and into the Ossoue valley our destination for the whole day. As the mist gradually cleared, our first stop was the lovely meadow next to the stream, where we were to have a walk into the rocky woodland mainly for the rich flora as it had not warmed up sufficiently to observe butterflies. Before setting off though, we did have the usual Lammergeiers putting in an appearance, along with a single Golden Eagle and a pair of Rock Buntings, before enjoying Welsh Poppy-*Meconopsis cambrica*, Lesser

Wintergreen-*Pyrola minor*, Herb Paris-*Paris quadrifolia*, Montpellier Milk Vetch-*Astragalus monspessulanus*, and Frog Orchid-*Coeloglossum viride*.

Moving further up the valley we parked next to a cliff adorned with the attractive Catchfly-*Silene saxifraga*, and then crossed the stream to inspect an area of rough grassland with some more good plants including the blue form of Mountain Pansy-*Viola lutea*, Dragonmouth-*Horminum pyrenaicum*, Alpine Skullcap-*Scutellaria alpina*, and the seed heads of Alpine Pasque Flower-*Pulsatilla alpina*. It was time for the butterflies to emerge from their overnight dormancy with Oberthur's Grizzled Skipper, Piedmont & Mountain Ringlet, Purple-edged Copper, Mazarine Blue and both Essex & Small Skipper all putting in an appearance. Continuing even further upwards we had very good views of Red-backed Shrike, many Water Pipits and at least two pairs of Rock Thrush, while we also had our nearest encounters of the week with the delightful Alpine Marmots and their young.

After taking lunch in the lee of some rocks, we then checked a site where Mark had previously seen the elusive Wallcreeper, but unfortunately there was no sign of it this year. The visit was not to be wasted though as we did see more butterflies including some Apollo's, along with Grass of Parnassus-*Parnassia palustris*, Thyme Broomrape-*Orobancha alba*, Hoary Cinquefoil-*Potentilla argentea*, Alpine Fleabane-*Erigeron alpinus* and some magnificent spikes of the endemic large yellow Gentian-*Gentiana burseri* ssp *burseri*. We then drove to the end of the track at the barrage d'Ossoue, another artificial lake surrounded by mountains, but by now the sun had disappeared to be replaced once again by low cloud and the wind had also strengthened. Consequently after a walk around the edge of the water, we slowly made our way back down the valley and returned to the hotel.

Day 6

Thursday 5 July

Warm, sunny

The usual morning mist had already cleared as we gathered around the minibus at the side of the hotel and set off down the valley to Luz-St-Sauveur, stopping to buy our picnic supplies, before entering the neighbouring Lutour valley and passing through the small spa town of Cauterets. After driving up the spectacular winding road through Scots pine woodland and passing numerous waterfalls, we eventually left the bus in the extensive car park at Pont d'Espagne. Up to now (and during most of the week), we had been in habitats on predominantly limestone rocks. This area though is on granite with poor drainage and acid soils, and consequently we hoped a very different flora and fauna as well. So as to gain height and get a head start on the many tourists, we started by taking the two télésiège or chairlifts up to near the Lac de Gaube, these giving us also a good vantage point to admire the tall blue plants of Alpine Sow-Thistle-*Cicerbita alpina* that were growing in abundance below the lifts. At the top we started by walking through pine woodland immediately having good views of both Coal and Crested Tit, before traversing an area of granite scree and noticing many large plants of the attractive Yellow Gentian- *Gentiana lutea*, along with Parsley Fern-*Cryptogramma crispa*, Upright Bitter Vetch-*Vicia orobus*, and Wood Crane's-bill-*Geranium sylvaticum* and Rock Cinquefoil-*Potentilla rupestris*.

As we neared the lake we had fantastic views of the valley stretching away ahead towards the mighty Vignemale, at 3219m one of the highest mountains in the Pyrenean range. Here there were many butterflies including Clouded Apollo, Piedmont & Mountain Ringlets and abundant Pearl-bordered Fritillary. Skirting the lake and crossing a stream, we ate our lunch in an area of rocky boulders, where species added were Green Hairstreak, Sooty Copper and Chalkhill Blue, before we climbed further up the valley, to emerge into more open country.

We were hoping to re-find a small colony of the beautifully coloured and distinctive Mountain Clouded Yellow that Mark had found in a previous year and sure enough they were there again, along with many Pyrenean Brassy Ringlets, an endemic speciality of these mountains only recently recognised as a separate species.

It was now time to turn around and head back down to the car park, at the end of the lake taking a rocky path that led down through pine woodland adorned with huge granite rocks, noting Silver-washed Fritillary during our descent. At the bottom we had just enough time to admire the magnificent waterfalls that join together at the Pont d'Espagne, before walking wearily back to the minibus for the drive back down the valley and up through the Gave gorge to the hotel and yet another delicious evening meal.

Day 7

Friday 6 July

Hot, sunny

We awoke once again to a fine sunny morning with a little mist, which would soon dissipate, so after breakfast drove up the Heas valley past the turning to the Lac des Gloriettes, and climbed all the way up past the Hôtellerie de Maillet to the parking area just below the dramatic Cirque de Troumouse. At the limit of the road we set off across the springy limestone turf for a short circular walk over to a swift flowing stream where Mark pointed out endemic Pyrenean Brook Salamander-*Euproctus asper*, a normally nocturnal newt-like creature restricted to this mountain range. There were also many small pools here full of tadpoles and froglets of the Common frog, at this altitude probably a very short breeding season. Amongst some rocks three Alpine Accentors were enjoyed by one member of the group, while good plants here were Alpine Catchfly-*Lychnis alpina*, Garland Flower-*Daphne cneorum*, Alpine Buttercup-*Ranunculus alpestris*, Dark Stonecrop-*Sedum atratum* and the attractive little Rock Jasmine-*Androsace villosa*.

Returning down the winding road and stopping in a lay-by we inspected an area of hillside next to a stream which was full of butterflies including Apollo, Clouded Apollo, Swallowtail, Mountain Brown Argus, Clouded Yellow, various Skippers and Fritillaries and Turquoise, Mazarine, Little & Gavarnie Blues. The latter, being a rare and elusive species restricted to the Pyrenees was particularly appreciated as we had failed to see it earlier in the week at its usual site near the lac des Gloriettes.

After lunch we drove back down into the valley, stopping firstly to inspect the little chapel in Héas village with its poignant stained glass windows which show scenes of the mountain lifestyle and at the same time commemorate those who died in the terrible avalanche of 1915. The rest of the afternoon was spent at likely spots further down the valley, colourful blooms being Large Self-heal-*Prunella grandiflora*, Bloody Crane's-bill-*Geranium sanguineum*, Small Yellow Foxglove-*Digitalis lutea* and Hoary Mullein-*Verbascum pulverulentum*. We also added another rare species of butterfly to the list, Amanda's Blue, before returning to the hotel for the last time.

Day 8

Saturday 7 July

Hot, sunny

Today, we sadly said good-bye to the hotel staff, and soon after breakfast departed for the airport at Toulouse. The flight was not until the afternoon, so we made a detour via both the Col de Tourmalet and the Col d'Aspin, the former location being notable for a small flock of incredibly tame Snowfinch which came to within a couple

of feet of the mini bus in the car park there, while Griffin Vulture, Short-toed eagle and Red Kite were enjoyed at the latter. We then ate our sandwiches in a roadside lay-by adding three more species to the butterfly list, namely Great-banded Grayling, Cleopatra and Southern White Admiral, before continuing on to the airport in plenty of time to check-in.

Farewells were exchanged, along with hopes of meetings in the future and everyone agreed that we had all enjoyed a wonderful week with a very good list of butterflies, some interesting birds, and many rare and beautiful plants. We were also blessed with good weather, had sampled superb food and drink, and all amidst the fabulous scenery of these enchanting mountains.

Species Lists

Butterflies

SWALLOWTAIL – *Papilio machaon*

Occasional, seen most days

APOLLO – *Parnassius apollo*

Seen on days 3, 5 & 7 Grassy places

CLOUDED APPOLLO – *Parnassius mnemosyne*

Only at the Lac de Gaube and in the Heas valley on days 6 & 7

BLACK-VEINED WHITE – *Aporia crataegi*

Abundant, seen on all days, probably the commonest butterfly

LARGE WHITE – *Pieris brassicae*

Frequent

SMALL WHITE – *Artogeia rapae*

Common

GREEN-VEINED WHITE – *Artogeia napi*

Surprisingly only seen on days 4 & 7

ORANGE TIP – *Anthocharis cardamines*

Occasional

CLOUDED YELLOW – *Colias crocea*

Common

BERGER'S CLOUDED YELLOW - *Colias australis*

Only in the Ossoue valley on day 3

MOUNTAIN CLOUDED YELLOW – *Colias phicomone*

A small colony above the Lac de Gaube on day 6

BRIMSTONE – *Gonepteryx rhamni*

Only on days 1 & 8

CLEOPATRA – *Gonepteryx cleopatra*

Only on day 8

WOOD WHITE – *Leptidea sinapsis*

Occasional

GREEN HAIRSTEAK – *Callophrys rubi*

Only at the Lac de Gaube on day 6

PURPLE-EDGED COPPER – *Lycaena hippothoe*

Occasional

SOOTY COPPER – *Heodes tityrus*

Occasional

SMALL COPPER – *Lycaena phlaeus*

Only a single on day 2

LITTLE BLUE – *Cupido minimus*

Frequent

LARGE BLUE – *Maculinea arion*

Rare, only in the Ossoue valley on days 3 & 4

SILVER-STUDED BLUE – *Plebejus argus*

Frequent, seen on most days

IDAS BLUE – *Plebejus idas*

Occasional, frequent at the Lac des Gloriettes on day 2

BROWN ARGUS – *Aricia agestis*

Only on day 2

MOUNTAIN ARGUS – *Aricia artaxerxes*

Only in the Heas valley on day 7

GAVARNIE BLUE – *Agriades pyrenaicus*

A small colony in the Heas valley on day 7

MAZARINE BLUE – *Cyaniris semiargus*

Occasional

ESCHER'S BLUE – *Polyommatus escheri*

Only in the Ossoue valley on day 3

AMANDA'S BLUE – *Polyommatus amandus*

Only in the Heas valley on day 7

COMMON BLUE – *Polyommatus icarus*

Occasional

TURQUOISE BLUE – *Polyommatus dorylas*

Seen most days

CHALK-HILL BLUE – *Lysandra coridon*

Only at the Lac de Gaube on day 6

ADONIS BLUE – *Lysandra bellargus*

Only in the Ossoue valley on day 3

SOUTHERN WHITE ADMIRAL – *Limentis reducta*

Only on day 8

WHITE ADMIRAL – *Limentis camilla*

One seen near the hotel on day 7

RED ADMIRAL – *Vanessa atalanta*

One seen at the Lac de Gaube on day 6

SMALL TORTOISESHELL – *Aglais urticae*

Common, with many larvae on Common Nettle

LARGE TORTOISESHELL – *Nymphalis polychloros*

One probable at the Lac de Gaube on day 6

COMMA – *Polygonum c-album*

One at the Lac de Gaube on day 6

SILVER-WASHED FRITILLARY – *Argynnis paphia*

Seen near the hotel and at Lac de Gaube

LESSER MARBLED FRITILLARY – *Brenthis ino*

Only in the Lower Ossoue valley on day 3

SMALL PEARL-BORDERED FRITILLARY – *Clossiana selene*

Occasional

PEARL- BORDERED FRITILLARY – *Clossiana eubrosyne*

Common at the Lac de Gaube and in the Heas valley on days 6 & 7

FALSE HEATH FRITILLARY – *Melitaea diamina*

Frequent, seen on most days

HEATH FRITILLARY – *Melicta athalia*

Frequent, seen on most days

MEADOW FRITILLARY – *Melicta parthenoides*

Frequent, seen on most days

MARBLED WHITE – *Melanargia galathea*

Frequent, seen most days

MEADOW BROWN – *Maniola jurtina*

Occasional

MOUNTAIN RINGLET – *Erebia epibron*

Occasional, seen most days

WESTERN BRASSY RINGLET – *Erebia arvenensis*

Only at the Cirque de Troumouse on day 7

PYRENEES BRASSY RINGLET – *Erebia rondouri*

A large colony at Lac de Gaube on day 6

BRIGHT-EYED RINGLET – *Erebia oeme*

In the Ossoue valley on day 3

PIEDMONT RINGLET – *Erebia meolans*

Frequent, the commonest Ringlet

YELLOW SPOTTED RINGLET – *Erebia manta* ssp *constans*

In the Ossoue (4) and Heas (7) valleys. Both the nominate form and ssp *constans* which is very dark, almost black with none or only vestigial markings are present.

LEFÈBVRE'S RINGLET – *Erebia lefebvrei*

Only at the Port de Boucharo on day 3

GREAT-BANDED GRAYLING – *Kanetisa circe*

One seen on day 8

SMALL HEATH – *Coenonympha pamphilus*

Frequent, seen most days

PEARLY HEATH – *Coenonympha arcania*

Occasional, this year not as common as the preceding species

WALL BROWN – *Lasiommata megera*

Common

LARGE WALL BROWN – *Lasiommata maera*

Frequent, seen most days

SPECKLED WOOD – *Pararge aegeria*

Occasional

GRIZZLED SKIPPER – *Pyrgus malvae*

Occasional

LARGE GRIZZLED SKIPPER – *Pyrgus alveus*

Only on days 2 & 7

OBERTHUR'S GRIZZLED SKIPPER – *Pyrgus armoricanus*

Occasional

CINQUEFOIL SKIPPER – *Pyrgus cirsii*

Only at the Lac des Gloriettes on day 2

MARbled SKIPPER – *Carcharodus lavatherae*

Occasional

ESSEX SKIPPER – *Thymelicus lineola*

Occasional

SMALL SKIPPER – *Thymelicus sylvestris*

Common

LARGE SKIPPER – *Ochlodes venatus*

Occasional

DINGY SKIPPER – *Erynnis tages*

Occasional

TOTAL 69 SPECIES (*Nomenclature according to Butterflies of Europe (Lafrenchis 2004)*)

Plants

FERNS

<i>Asplenium ruta-muraria</i>	Wall-rue	Frequent, rocks & walls
<i>A. trichomanes</i>	Maidenhair Spleenwort	Common, rocks & walls
<i>Athyrium felix-femina</i>	Lady Fern	Woods, Pont d'Espagne etc
<i>A. distentifolium</i>	Alpine Lady Fern	High mountain rocks
<i>Blechnum spicant</i>	Hard Fern	Pont d'Espagne
<i>Ceterach officinale</i>	Rustyback Fern	Occasional
<i>Cryptogramma crispa</i>	Parsley Fern	Occasional, screes on acid rocks
<i>Cystopteris fragilis</i>	Brittle Bladder Fern	Common
<i>Dryopteris felix-mas</i>	Common Male Fern	Occasional, shady places
<i>D. affinis</i>	Scaly Male Fern	Pont d'Espagne
<i>Gymnocarpium dryopteris</i>	Oak Fern	Frequent, shaded rocks
<i>Polypodium vulgare</i>	Common Polypody	Occasional
<i>P. cambricum</i>	Southern Polypody	Occasional, limestone rocks
<i>Polystichum aculeatum</i>	Hard Shield Fern	Frequent
<i>P. longchitis</i>	Holly Fern	Common
<i>P. setiferum</i>	Soft Shield Fern	Pont d'Espagne
<i>Pteridium aquilinum</i>	Bracken	Widespread & frequent

EQUISETACEAE

<i>Equisetum arvense</i>	Field Horsetail	Occasional, damp places
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CONIFERS

<i>Abies alba</i>	Silver Fir	Frequent
<i>Juniperus communis ssp alpina</i>	Juniper	Common
<i>Picea abies</i>	Norway Spruce	Frequent
<i>Pinus sylvestris</i>	Scot's Pine	Pont d'Espagne
<i>P. uncinata</i>	Mountain Pine	Gavarnie & Ossoue Valley
<i>Taxus baccata</i>	Yew	Ossoue Valley

SALICAEAE

<i>Salix aurita</i>	Eared Willow	Widespread
<i>S. caprea</i>	Goat Willow	Occasional
<i>S. viminalis</i>	Osier	Frequent, streamsides
<i>P. tremula</i>	Aspen	Occasional

BETULACEAE

<i>Alnus glutinosa</i>	Alder	Streamsides
<i>A. incana</i>	Grey Alder	Gavarnie, Ossoue valley
<i>Betula pendula</i>	Silver Birch	Frequent, woodland

CORYLACEAE

<i>Coryllus avellana</i>	Hazel	Common
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FAGACEAE

<i>Fagus sylvatica</i>	Beech	Frequent, woodland
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ULMACEAE

<i>Ulmus glabra</i>	Wych Elm	Occasional, woodland
<i>U. minor</i>	Small-leaved Elm	Frequent, valleys

URTICACEAE

<i>Parietaria judaica</i>	Wall Pellitory	Occasional walls
<i>Urtica dioica</i>	Stinging Nettle	Common

SANTALACEAE

<i>Thesium pyrenaicum</i>	Pyrenean Bastard Toadflax	Rocky places, Lac des Gloriettes etc
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LORANTHACEAE

<i>Viscum album</i>	Mistletoe	Pont Napoleon
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POLYGONACEAE

<i>Polygonum viviparum</i>	Alpine Bistort	Frequent, streamsides etc
<i>Rumex acetosa</i>	Common Sorrel	Abundant
<i>R. acetosella</i>	Sheep's Sorrel	Frequent
<i>R. scutatus</i>	French Sorrel	Common, rocks & scree

CARYOPHYLLACEAE

<i>Cerastium alpinum</i>	Alpine Mouse-ear	Common, rocks
<i>C. fontanum</i>	Common Mouse-ear	Frequent
<i>C. tomentosum</i>	Snow-in-Summer	Scree, Pont d'Espagne
<i>Dianthus deltoides</i>	Maiden Pink	Frequent
<i>D. monspessulanus</i>	Fringed Pink	Frequent, Ossoue valley etc
<i>Gypsophila repens</i>	Alpine Gypsophila	Frequent, rocks
<i>Arenaria grandiflora</i>	a Sandwort	Lac des Gloriettes
<i>Moehringia muscosa</i>	another Sandwort	Gavarnie
<i>Minuartia verna</i>	Spring Sandwort	Frequent
<i>Paronychia kapela</i> ssp <i>serpyllifolia</i>		Rocks
<i>Scleranthus perennis</i>	Perennial Knawel	Rocks, Lac de Gaube etc
<i>S. annuus</i>	Annual Knawel	Lac des Gloriettes, Ossoue valley
<i>Silene alba</i>	White Campion	Occasional, roadsides
<i>S. dioica</i>	Red Campion	Woods & roadsides
<i>S. nutans</i>	Nottingham Catchfly	Frequent
<i>S. rupestris</i>	Rock Campion	Frequent, rocks
<i>S. saxifraga</i>	Saxifrage Campion	Rocks, Ossoue valley
<i>S. uniflora</i>	Bladder Campion	Frequent
<i>Stellaria graminea</i>	Lesser Stitchwort	Ossoue valley
<i>S. holostea</i> (leaves)	Greater Stitchwort	Frequent, woods etc
<i>S. media</i>	Common Chickweed	Abundant weed
<i>S. nemorum</i>	Wood Stichwort	Ossoue valley

RANUNCULACEAE

<i>Aconitum napellus</i>	Monkshood	Frequent
<i>A. vulparia</i>	Wolfsbane	Gavarnie
<i>Anemone nemorosa</i>	Wood Anemone	Leaves only, frequent, woods
<i>Pulsatilla alpina</i> (seedheads)	Alpine Pasque Flower	Ossoue valley
<i>Aquilegia vulgaris</i>	Common Columbine	Frequent
<i>Caltha palustris</i>	Marsh Marigold	Frequent, streamsides
<i>Helleborus foetidus</i>	Stinking Hellebore	Frequent, screes etc
<i>H. viridis</i>	Green Hellebore	Common, woods
<i>Hepatica nobilis</i> (leaves)	Hepatica	Ossoue valley
<i>Ranunculus aconitifolius</i>	Aconite-leaved Buttercup	Pont d'Espagne, lac des Glor
<i>R. acris</i>	Meadow Buttercup	Abundant
<i>R. bulbosus</i>	Bulbous Buttercup	Frequent
<i>R. ficaria</i> (leaves)	Lesser Celendine	Occasional

<i>R. repens</i>	Creeping Buttercup	Abundant
<i>R. flammula</i>	Lesser Spearwort	Lac de Gaube
<i>R. pygmaeus</i>	Pygmy Buttercup	Port de Boucharo
<i>R. alpestris</i>	Alpine Buttercup	Cirque de Troumouse
<i>Thalictrum aquilegifolium</i>	Great Meadow-rue	Ossoue valley, Pont d'Espagne
<i>T. macrocarpum</i>	a Meadow-rue	Gavarnie, Ossoue Valley, endemic
<i>Trollius europaeus</i>	Globe Flower	Lac des Gloriettes etc
<i>Clematis vitalba</i>	Wild Clematis	Gédre
PAPAVERACEAE		
<i>Meconopsis cambrica</i>	Welsh Poppy	Pont d'Espagne, Ossoue valley
<i>Papaver rhoeas</i>	Common poppy	Occasional
<i>P. dubium</i>	Pale Poppy	Heas valley
CRUCIFERAE		
<i>Biscutella laevigata</i>	Buckler Mustard	Occasional, rocks
<i>Capsella bursa-pastoris</i>	Shepherd's Purse	Common weed
<i>Cardamine hirsuta</i>	Hairy Bittercress	Frequent
<i>C. impatiens</i> (seedheads)	Narrow-leaved Bittercress	Woods, Ossoue valley
<i>C. raphanifolia</i>	Radish-leaved Bittercress	Port de Boucharo
<i>C. amara</i>	Large Bittercress	Ossoue valley, Lac de Gaube
<i>Erysimum duriaei</i> ssp <i>pyrenaicum</i>	a Treacle Mustard	Lac des Gloriettes, endemic
<i>Huthinsia alpina</i>	Chamois Cress	Rocks & screes
<i>Sisymbrium austriacum</i>	Austrian Rocket	Frequent, streamsides etc
<i>ssp chrysanthum</i>		
<i>Iberis amara</i>	Wild Candytuft	Ossoue valley
RESEDACEAE		
<i>Reseda lutea</i>	Wild Mignonette	Occasional
<i>R. glauca</i>	Pyrenean Mignonette	Frequent, rocks, endemic
<i>R. phyteuma</i>	Corn Mignonette	Ossoue valley
CRASSULACEAE		
<i>Sedum acre</i>	Biting Stonecrop	Frequent
<i>S. album</i>	White Stonecrop	Occasional, rocks
<i>S. anglicum</i>	English Stonecrop	Rocks, Lac de Gaube etc
<i>S. atratum</i>	Dark Stonecrop	Cirque de Troumouse
<i>Sempervivum montanum</i>	Mountain Houseleek	Occasional, rocks
<i>Umbilicus rupestris</i>	Wall Pennywort	Occasional, walls
SAXIFRAGACEAE		
<i>Saxifraga aizoides</i>	Yellow Mountain Saxifrage	Frequent, streamsides
<i>S. exaltata</i> ssp <i>moschata</i>	Musky Saxifrage	Rocks, Port de Boucharo
<i>S. paniculata</i>	Livelong Saxifrage	Common, rocks
<i>S. stellaris</i>	Starry Saxifrage	Pont d'Espagne
<i>S. umbrosa</i>	Wood Saxifrage (endemic)	Pont d'Espagne, Ossoue Valley
<i>S. aquatica</i>	Water Saxifrage	Lac de Gaube
<i>S. hirsuta</i>	Kidney Saxifrage	Lac des Gloriettes
<i>S. harti</i>		Lac des Gloriettes, Port de B
<i>S. longifolia</i>	Pyrenean Saxifrage	Lac des Gloriettes, Ossoue valley
<i>S. caesia</i>	Blue Saxifrage	
PARNASSIACEAE		
<i>Parnassia palustris</i>	Grass of Parnassus	Ossoue valley

PLATANACEAE

Platanus x hybridus London Plane Occasional, roadsides

ROSACEAE

Alchemilla alpina Alpine Lady's-mantle Common
Cotoneaster integerrimus Wild Cotoneaster Leaves & fruit, Lac des Gloriettes
Crataegus monogyna Hawthorn Occasional
Fillipendula ulmaria Meadowsweet Occasional, streamsides
Fragaria vesca Wild Strawberry Frequent
G. pyrenaicum (seedheads) Pyrenean Avens Lac des Gloriettes, endemic
G. urbanum Herb Bennet Frequent
Potentilla montana White Cinquefoil Lac des Gloriettes, Ossoue valley
P. erecta Tormentil Frequent
P. neumanii Spring Cinquefoil Port de Boucharo
P. reptans Creeping Cinquefoil Occasional, waste places
P. argentea Hoary Cinquefoil Ossoue valley
P. pyrenaica Ossoue valley
P. rupestris Rock Cinquefoil Lac de Gaube
Dryas octopetala Mountain Avens Gavarnie
Prunus avium Wild Cherry Gavarnie
P. spinosa Blackthorn Occasional
Rubus idaeus Raspberry Frequent
R. fruticosus agg Bramble Common
R. saxatilis Stone Bramble Occasional
Rosa arvensis Field Rose Frequent
R. canina Common Dog Rose Frequent
R. glauca Glaucous rose Frequent
R. rubiginosa Sweet Briar Occasional
R. pendulina Alpine Rose Lac des Gloriettes
Sanguisorba minor Salad Burnet Common
Sorbus aria Whitebeam Occasional, woods
S. aucuparia Rowan Frequent

LEGUMINOSEAE

Anthyllis vulneraria ssp pyrenaica Pyrenean Kidney vetch Common, Endemic
Astragalus monspessulanus Montpelier Milk Vetch Frequent
Hippocrepis comosa Horseshoe Vetch Frequent, grassland
Lathyrus sylvestris Everlasting Pea Occasional, Heas Valley
L. latifolius Bitter Vetch Occasional, Pont d'Espagne etc
L. pratensis Meadow Vetchling Common
Lotus alpinus Alpine Bird's-foot Trefoil Frequent, mountain turf
L. corniculatus Bird's-foot trefoil Frequent
L. uliginosus Greater Bird's-foot Trefoil Pont d'Espagne
Medicago lupulina Black Medick Occasional
M. suffruticosa Sprawling Medick Port de Boucharo
Ononis natrix Large Yellow Rest-harrow Occasional, Ossoue Valley
O. repens Common Rest harrow Ossoue valley
Oxytropis campestris Yellow Milk Vetch Occasional, lac des Gloriettes
O. pyrenaica Pyrenean Milk Vetch Occasional, Port de Boucharo
Trifolium montanum Mountain Clover Frequent
T. ochroleucum Sulphur Clover Frequent
T. pratense Red Clover Frequent
T. repens White Clover Frequent
T. badium Brown Clover Lac des Gloriettes
T. dubium Lesser Trefoil Occasional

<i>T. fragiferum</i>	Strawberry Clover	occasional
<i>Vicia hirsuta</i>	Hairy Tare	Occasional
<i>V. orobus</i>	Wood Bitter Vetch	Lac de Gaube
<i>V. pyrenaica</i>	Pyrenean Vetch	Common, endemic
<i>V. sepium</i>	Bush Vetch	Frequent
OXALIDACEAE		
<i>Oxalis acetosella</i> (leaves)	Wood Sorrel	Common, woods
GERANIACEAE		
<i>Geranium cinereum</i>	Ashy Crane's-bill	Alpine turf, endemic, Gavarnie, P de B
<i>G. molle</i>	Dove's-foot Crane's-bill	Occasional
<i>G. phaeum</i>	Dusky Crane's-bill	Shady places, Frequent
<i>G. pyrenaicum</i>	Pyrenean Crane's-bill	Common
<i>G. robertianum</i>	Herb Robert	Frequent
<i>G. sylvaticum</i>	Wood Crane's-bill	Common
<i>G. sanguineum</i>	Bloody Crane's-bill	Occasional
LINACEAE		
<i>Linum catharticum</i>	Fairy Flax	Occasional, Lac des Gloriettes etc
EUPHORBIACEAE		
<i>Euphorbia amygaloides</i>	Wood Spurge	Occasional, woods
<i>E. cyparissias</i>	Cypress Spurge	Frequent, dry grassland
<i>E. hyberna</i>	Irish Spurge	Occasional, woodland
<i>Mercurialis perennis</i>	Dog's Mercury	Occasional, woodland
POLYGALACEAE		
<i>Polygala alpestris</i>	Mountain Milkwort	Lac de Gaube
<i>P. alpina</i>	Alpine Milkwort	Gavarnie
<i>P. vulgaris</i>	Common Milkwort	Frequent
<i>P. amarella</i>	Dwarf Milkwort	Lac des Gloriettes
ACERACEAE		
<i>Acer campestre</i>	Field Maple	Occasional
<i>A. pseudoplatanus</i>	Sycamore	Frequent
<i>A. opalus</i>	Italian Maple	Ossoue valley
AQUIFOLIACEAE		
<i>Ilex aquifolium</i>	Holly	Occasional, woods
BUXACEAE		
<i>Buxus sempervirens</i>	Box	Occasional
TILACEAE		
<i>Tilia cordata</i>	Small-leaved Lime	Common, woods
THYMELACEAE		
<i>Daphne cneorum</i>	Garland Flower	Cirque de Troumouse
<i>D. laureola</i>	Spurge Laurel (leaves)	Frequent, woods
<i>D. alpina</i>	Alpine Daphne (leaves)	Gavarnie
GUTTIFERAE		
<i>Hypericum macalatum</i>	Imperforate St John's-wort	Occasional, Ossoue valley
<i>H. perforatum</i>	Perforate St John's-wort	Frequent

<i>H. richeri ssp burseri</i>	Alpine St John's-wort	Screes, Lac des Gloriettes
VIOLACEAE		
<i>Viola cornuta</i>	Horned Pansy	Meadows, endemic, Gavarnie
<i>V. riviniana</i>	Common Dog Violet	Frequent
<i>V. tricolor</i>	Wild Pansy	Occasional
<i>V. arvensis</i>	Field Pansy	Gavarnie
<i>V. lutea</i>	Mountain Pansy	Occasional, Ossoue valley
<i>V. rupestris</i>	Teesdale Violet	Port de Boucharo
CISTACEAE		
<i>Helianthemum canum</i>	Hoary Rockrose	Occasional, screes
<i>H. nummularium</i>	Common Rockrose	Common
<i>H. appeninum</i>	White Rockrose	Ossoue valley
ONAGRACEAE		
<i>Epilobium anagallidifolium</i>	Alpine Willow-herb	Lac des Gloriettes
<i>E. angustifolium</i>	Rosebay Willow-herb	Occasional, woods
CORNACEAE		
<i>Cornus sanguinea</i>	Dogwood	Frequent, woods
ARIALACEAE		
<i>Hedera helix</i>	Ivy	Abundant
UMBELLIFERAE		
<i>Angelica sylvestris</i>	Angelica	Frequent, damp places
<i>A. razulii</i>	Pyrenean Angelica	Lac des Gloriettes, endemic
<i>Astrantia major</i>	Pink Masterwort	Occasional
<i>Bupleurum falcatum</i>	Sickle Hare's-ear	Rare, Heas valley
<i>B. angulosum</i>	Pyrenean Hare's-ear	Gavarnie, Ossoue valley, endemic
<i>Conopodium majus</i>	Pignut	Occasional, woods
<i>C. pyrenaicum</i>	Pyrenean Pignut	Frequent, rocky meadows
<i>Daucus carota</i>	Wild Carrot	Occasional, Ossoue valley
<i>Eryngium bougatii</i>	Pyrenean Eryngo	Frequent, stony places, endemic
<i>Heracleum sphondylium ssp pyrenaicum</i>	Pyrenean Hogweed	Common
<i>Laserpitium latifolium</i>	Broad-leaved Sermountain	Common, screes
<i>Laserpitium siler</i>	Narrow-leaved Sermountain	Frequent, meadows etc
<i>Myrrhis odorata</i>	Sweet Cecily	Common, roadsides
<i>Peucedanum ostruthium</i>	Masterwort	Occasional, streamsides
<i>Pimpinella saxifraga</i>	Burnet Saxifrage	Frequent, grassland
<i>Sanicula europaea</i>	Sanicle	Woods, Ossoue valley
<i>Chaerophyllum hirsutum</i>	Hairy Chervil	Heas valley etc
PYROLACEAE		
<i>Pyrola minor</i>	Lesser Wintergreen	Lac de Gaube, Ossoue valley
ERICACEAE		
<i>Arctostaphylos uva-ursi</i>	Bearberry	Acid rocks, Lac des Gloriettes etc
<i>Calluna vulgaris</i>	Ling	Acid heath, Lac de Gaube
<i>E. cinerea</i>	Bell Heather	Frequent
<i>Rhododendron ferrugineum</i>	Alpenrose	Frequent, rocky places
<i>Vaccinium myrtillus</i>	Bilberry	Occasional
<i>V. vitis-idaea</i>	Cowberry	Occasional

PRIMULACEAE

<i>Lysimachia nemorum</i>	Yellow Pimpernel	Wood, Ossoue valley
<i>Primula elatior</i>	Oxlip	Seedheads, Gavarnie
<i>P. hirsuta</i> (seedheads)	Hairy Primrose	Gavarnie, Lac de Gaube etc
<i>P. veris</i>	Cowslip	Seedheads, frequent
<i>Vitaliana primulifera</i> ssp <i>canescens</i>		Port de Boucharo
<i>Androsace villosa</i>	Hairy Rock Jasmine	Cirque de Troumouse

PLUMBAGINACEAE

<i>Armeria maritima</i> ssp <i>alpina</i>	Mountain Thrift	Occasional, Lac de Gaube
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OLEACEAE

<i>Fraxinus excelsior</i>	Ash	Frequent
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GENTIANACEAE

<i>Gentiana burseri</i> (in bud)	Yellow Gentian	Ossoue valley
<i>G. lutea</i>	Large Yellow Gentian	Scree, Pont d'Espagne
<i>G. verna</i>	Spring Gentian	Port de Boucharo
<i>G. acaulis</i>	Trumpet Gentian	Port de Boucharo
<i>Gentianella campestris</i>	Field Gentian	Occasional, Lac des Gloriettes

ASCLEPIADACEAE

<i>Vincetoxicum hirundinaria</i>	Swallow-wort	Common
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RUBIACEAE

<i>A. cynanchica</i>	Squinancywort	Heas valley
<i>Cruciata laevipes</i>	Crosswort	Frequent, grassy places
<i>Gallium aparine</i>	Cleavers	Abundant
<i>G. mollugo</i>	Hedge Bedstraw	Frequent
<i>G. odoratum</i>	Sweet Woodruff	Occasional, woods
<i>G. pyrenaicum</i>	Pyrenean Bedstraw	Rocks, Port de Boucharo
<i>G. verum</i>	Lady's Bedstraw	Common, grassland
<i>G. saxatile</i>	Heath Bedstraw	Lac des Gloriettes
<i>Rubia peregrina</i>	Wild Madder	Occasional, bushy places

CONVOLVULACEAE

<i>Convolvulus arvensis</i>	Field Bindweed	Frequent weed
<i>Cuscuta epithimum</i>	Dodder	Occasional, Ossoue valley

BORAGINACEAE

<i>Echium vulgare</i>	Viper's Bugloss	Frequent, grassy places
<i>Myosotis arvensis</i>	Field Forget-me-not	Frequent, waste places
<i>M. sylvatica</i>	Wood Forget-me-not	Occasional, woods
<i>Pulmonaria officinalis</i> (leaves)	Lungwort	Frequent, woods

VERBENACEAE

<i>Verbena officinalis</i>	Vervain	Occasional, Ossoue valley
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LABIATAE

<i>Acinos alpinus</i>	Alpine Basil Thyme	Occasional, rocks & scree
<i>A. arvensis</i>	Common Basil Thyme	Frequent, rough ground
<i>Ajuga pyramidalis</i>	Pyramidal Bugle	Occasional, Lac de Gaube
<i>A. reptans</i>	Common Bugle	Common
<i>Glechoma hederacea</i>	Ground Ivy	Frequent
<i>Clinododium vulgare</i>	Wild Basil	Common

<i>Galeopsis tetrahit</i>	Common Hemp Nettle	Occasional
<i>Horminum pyrenaicum</i>	Dragonmouth	Ossoue valley
<i>Lamiastrum galeobdolon</i>	Yellow Archangel	Frequent, woods
<i>Lamium album</i>	White Dead-nettle	Occasional, waste places
<i>L. maculatum</i>	Spotted Dead-nettle	Occasional, Gavarnie etc
<i>L. purpureum</i>	Red Dead-nettle	Occasional, waste places
<i>Origanum vulgare</i>	Marjoram	Frequent, grassy places
<i>Prunella grandiflora</i>	Large Self-heal	Occasional, Gavarnie etc
<i>P. laciniata</i>	Cut-leaved Self-heal	Occasional, Heas valley etc
<i>P. vulgaris</i>	Self-heal	Frequent
<i>Scutellaria alpina</i>	Alpine Skullcap	Rare, Ossoue valley
<i>Sideritis hyssopifolia</i>	Sideritis	Frequent, Lac des Gloriettes etc
<i>Stachys alopecurus</i>	Yellow Betony	Occasional, Gavarnie, Ossoue V
<i>S. officinalis</i>	Betony	Occasional, grassland
<i>S. recta</i>	Yellow Woundwort	Frequent, rough ground
<i>S. sylvatica</i>	Hedge Woundwort	Frequent, shady places
<i>Teucrium pyrenaicum</i>	Pyrenean Germander	Common, screes, endemic
<i>T. scorodonia</i>	Wood Sage	Common, woods
<i>Thymus praecox ssp polytrichus</i>	Wild Thyme	Frequent
<i>T. pulegiodes</i>	Large Thyme	Occasional
SCROPHULARACEAE		
<i>Bartsia alpina</i>	Alpine Bartsia	Occasional, Ossoue valley
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	Frequent, walls
<i>Digitalis purpurea</i>	Foxglove	Frequent
<i>Erinus alpinus</i>	Fairy Foxglove	Frequent, damp rocks
<i>Linaria alpina</i>	Alpine Toadflax	Rocks, Port de Boucharo etc
<i>L. supina</i>	Dwarf Toadflax	Rare, screes, Lac des Gloriettes etc
<i>Chaenorhinum minus</i>	Small Toadflax	Occasional
<i>Melampyrum pratense</i>	Common Cow-wheat	Occasional, woods
<i>Pedicularis foliosa</i>	Leafy Lousewort	Streamsides, Lac des Gloriettes
<i>P. pyrenaica</i>	Pyrenean Lousewort	Meadow, Lac des Gloriettes
<i>P. sylvatica</i>	Common Lousewort	Lac de Gaube
<i>Rhinanthus minor</i>	Yellow Rattle	Abundant, meadows
<i>Scrophularia alpestris</i>	Pyrenean Figwort	Occasional, Gavarnie etc
<i>S. nodosa</i>	Common Figwort	Ossoue valley
<i>Verbascum nigrum</i>	Dark Mullein	Occasional, Gavarnie
<i>V. pulverulentum</i>	Hoary Mullein	Ossoue valley
<i>Veronica becca-bunga</i>	Brooklime	Occasional, streams,
<i>V. chamaedrys</i>	Bird's-eye Speedwell	Frequent, grassland
<i>V. fruticans</i>	Rock Speedwell	Rocks, Ossoue valley etc
<i>V. officinalis</i>	Heath Speedwell	Occasional
<i>V. ponae</i>	Spiked Pyrenean Speedwell	Frequent, streamsides
<i>V. serpyllifolia</i>	Thyme-leaved Speedwell	Frequent, grassland
<i>V. nummularia</i>	an endemic Speedwell	Port de Boucharo
GLOBULACEAE		
<i>Globularia cordifolia</i>	Globularia	Occasional, Gavarnie
<i>G. repens</i>	Creeping Globularia	Rocks, endemic, Gavarnie etc
GESNERIACEAE		
<i>Ramonda myconi</i>	Ramonda (endemic)	Shady rocks, Gavarnie, Ossoue
OROBANCHACEAE		
<i>Orobanche alba</i>	Thyme Broomrape	Occasional, Ossoue valley etc

<i>O. caryophyllacea</i>	Clove-scented Broomrape	Ossoue valley
LENTIBULARIACEAE		
<i>Pinguicula grandiflora</i>	Large Butterwort	Frequent, wet areas
<i>P. vulgaris</i>	Common Butterwort	Wet flushes, Lac de Gaube etc
PLANTAGINACEAE		
<i>Plantago alpina</i>	Alpine Plantain	Frequent, alpine turf
<i>P. lanceolata</i>	Ribwort Plantain	Common
<i>P. media</i>	Hoary Plantain	Frequent
<i>P. major</i>	Great Plantain	Occasional
CAPRIFOLIACEAE		
<i>Lonicera periclymenum</i>	Common Honeysuckle	Occasional, lower valleys
<i>L. pyrenaica</i>	Pyrenean Honeysuckle	Common, endemic
<i>Sambucus nigra</i>	Common Elder	Frequent, woods
<i>S. racemosa</i>	Alpine Elder	Occasional, Lac des Gloriettes etc
<i>Viburnum lantana</i>	Wayfaring Tree	Occasional
<i>V. opulus</i>	Guelder Rose	Occasional
VALERIANACEAE		
<i>Centranthus ruber</i>	Red Valerian	Occasional, walls
<i>Valeriana globularifolia</i>	Globularia-leaved Valerian	Frequent
<i>V. pyrenaica</i>	Pyrenean Valerian	Pont d'Espagne etc, endemic
<i>V. tripteris</i>	Three-leaved Valerian	Woods, Gavarnie etc
DIPSACACEAE		
<i>Knautia dipsacifolia</i>	Wood Scabious	Frequent, shady places
<i>Scabiosa columbaria</i>	Small Scabious	Frequent, grassland
<i>S. cinerea</i>	Pyrenean Scabious	Gavarnie etc
CAMPANULACEAE		
<i>Campanula glomerata</i>	Clustered Bellflower	Frequent, grassland
<i>C. rotundifolia</i>	Harebell	Common, rocks
<i>C. trachelium</i>	Nettle-leaved Bellflower	Occasional, shady places
<i>Jasione montana</i>	Sheep's-bit Scabious	Common, Pont d'Espagne
<i>Phyteuma hemisphericum</i>	Globe-headed Rampion	Occasional, Port de Boucharo etc
<i>P. orbiculare</i>	Round-headed Rampion	Common, grassland
<i>P. spicatum</i>	Spiked Rampion	Woods
<i>P. pyrenaica</i>		Endemic, Gavarnie
<i>P. scorzonerifolium</i>		Lac des Gloriettes
COMPOSITAE		
<i>Achillea millefolium</i>	Yarrow	Common
<i>Adenostyles alliariae ssp hybrida</i>	Adenostyles (leaves)	Streamsides, Heas valley
<i>Antennaria dioica</i>	Mountain Everlasting	Frequent, Lac des Gloriettes etc
<i>Arctium minus</i>	Lesser Burdock	Occasional, Ossoue valley
<i>Arnica montana</i>	Arnica	Occasional, Lac des Gloriettes etc
<i>Aster alpinus</i>	Alpine Aster	Occasional, Ossoue valley etc
<i>Bellis perennis</i>	Daisy	Common
<i>Carduus carlinoides</i>	Pyrenean Thistle	Common
<i>C. nutans</i>	Musk Thistle	Occasional
<i>C. personata</i>	Mountain Thistle	Heas valley (in bud)
<i>C. nigricens</i>	Dark Thistle	Frequent
<i>Carlina acanthifolia (leaves)</i>	Acanthus-leaved Thistle	Lac des Gloriettes

<i>Centaurea nigra</i>	Knapweed	Frequent
<i>C. scabiosa</i>	Greater Knapweed	Occasional, Gavarnie
<i>C. montana</i>	Mountain Knapweed	Gavarnie
<i>Cicerbita alpina</i>	Alpine Sow-thistle	Rare, screes, Pont d'Espagne
<i>Cirsium eriophorum (leaves)</i>	Woolly Thistle	Frequent
<i>C. dissectum</i>	Meadow Thistle	Rare, Pont d'Espagne
<i>C. helenoides</i>	Melancholy Thistle	Occasional, damp meadows
<i>C. palustre</i>	Marsh Thistle	Occasional, streamsides
<i>C. rivulare</i>	Brook Thistle	Damp places, Lac de Gaube etc
<i>C. vulgare</i>	Spear Thistle	Occasional, waste places
<i>C. acaule (leaves)</i>	Stemless Thistle	Lac des Gloriettes
<i>Crepis pyrenaica</i>	Pyrenean Hawk's-beard	Meadows, Heas valley
<i>C. pygmaea</i>	Pygmy Hawk's-beard	Scree, Port de Boucharo
<i>Prenanthes purpurea (in bud)</i>	Purple Lettuce	Frequent
<i>Erigeron alpinus</i>	Alpine Fleabane	Stony places, Ossoue valley
<i>Hieracium pillosella</i>	Mouse-ear Hawkweed	Frequent, grassy places
<i>Homogyne alpina</i>	Alpine Colt's-foot	Alpine turf, Port de Boucharo
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Common
<i>L. corymbosum</i>		Occasional
<i>Leucanthemopsis alpina</i>	Alpine Mayweed	Port de Boucharo
<i>Matricaria matricariodes</i>	Pineapple-weed	Occasional
<i>Leontopodium alpinum</i>	Edelweiss	Gavarnie
<i>Senecio adonidifolius</i>	an attractive yellow Ragwort	Lac de Gaube
<i>S. jacobea</i>	Common Ragwort	Occasional
<i>S. vulgaris</i>	Common Groundsel	Occasional, waste places
<i>Solidago virgaurea</i>	Goldenrod	Pont d'Espagne
<i>Tragopogon pratensis</i>	Goat's-beard	Frequent, grassland
<i>Tussilago farfara (leaves)</i>	Colt'sfoot	Frequent, streamsides
<i>Scorzonera aristata</i>	Bearded Viper's Grass	Lac des Gloriettes

LILACEAE

<i>Allium schoenoprasum</i>	Chives	Lac des Gloriettes, Ossoue v
<i>A. victorialis</i>	Alpine Leek	Pont d'Espagne, Ossoue valley
<i>A. sphaerocephalon</i>	Round-headed Leek	Ossoue valley
<i>A. ericetorum</i>		Heas valley
<i>Anthericum liliago</i>	St Bernard's Lily	Common, rocky places
<i>Asphodelus albus</i>	White Asphodel	Frequent
<i>Hyacinthus amethystinus</i>	Pyrenean Hyacinth	Frequent, meadows, endemic
<i>Lilium martagon</i>	Martagon Lily	Lac des Gloriettes etc
<i>Paris quadrifolia</i>	Herb Paris	Occasional, Ossoue valley
<i>Scilla liliohyacinthus</i>	Pyrenean Squill	Leaves only, woods, endemic
<i>Tofieldia calyculata</i>	Tofield's Asphodel	Wet flushes, Lac des Gloriettes
<i>Veratrum album (leaves)</i>	False White Helleborine	Alpine pasture, Ossoue valley

IRIDACEAE

<i>Iris latifolia</i>	English Iris	Frequent, pastures
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JUNCACEAE

<i>Juncus articulatus</i>	Jointed Rush	Occasional, Lac de Gaube
<i>J. effusus</i>	Soft Rush	Occasional, Lac de Gaube
<i>Luzula spicata</i>	Spiked Wood-rush	Woods, Pont d'Espagne
<i>L. pilosa</i>	Hairy Woodrush	Lac des Gloriettes
<i>L. sylvatica</i>	Great Woodrush	Lac des Gloriettes

CYPERACEAE

<i>Eriophorum angustifolium</i>	Common Cotton-grass	Occasional, bogs
<i>Carex echinata</i>	Star Sedge	Frequent, bogs etc
<i>C. caryophylla</i>	Spring Sedge	Turf, Gavarnie
<i>C. atrata</i>	Jet Sedge	Damp rocks, Gavarnie
<i>C. demissa</i>	Common Yellow Sedge	Occasional, Pont d'Espagne
<i>C. flacca</i>	Glaucous Sedge	Frequent, grassland
<i>C. nigra</i>	Common Sedge	Occasional, Lac de Gaube
<i>C. panacea</i>	Carnation Sedge	Occasional, Lac de Gaube
<i>C. sylvatica</i>	Wood Sedge	Frequent, woods
<i>C. hostiana</i>	Tawny Sedge	Lac des Gloriettes
<i>C. divulsa</i>	Grey Sedge	Ossoue valley
<i>C. ovalis</i>	Oval Sedge	Lac de Gaube
<i>C. spicata</i>	Spiked Sedge	Ossoue valley

POACEAE

<i>Aira caryophylla</i>	Silver Hair Grass	Lac des Gloriettes
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Frequent, meadows
<i>Arrhenatherum elatius</i>	False Oat-grass	Frequent, waste places
<i>Brachypodium pinnatum</i>	Tor Grass	Occasional, Lac des Gloriettes
<i>Briza media</i>	Common Quaking Grass	Frequent, meadows
<i>Cynosurus cristatus</i>	Crested Dog's-tail	Occasional
<i>Dactylis glomerata</i>	Cock's-foot Grass	Frequent, meadows
<i>Festuca rubra</i>	Red Fescue	Occasional, Lac de Gaube
<i>F. ovina</i>	Sheep's Fescue	Common
<i>F. pratensis</i>	Meadow Fescue	Frequent
<i>Koeleria macrantha</i>	Crested Hair Grass	Lac des Gloriettes
<i>Holcus lanatus</i>	Yorkshire Fog	Frequent, meadows
<i>Hordeum murinum</i>	Wall Barley	Occasional, waste places
<i>Deschampsia media</i>	Mountain Tufted Hair Grass	Frequent
<i>Lolium perenne</i>	Perennial Rye-grass	Frequent, meadows
<i>Bromus sterilis</i>	Barren Brome	Gédre
<i>Melica uniflora</i>	Wood Melick	Frequent, woods
<i>Nardus stricta</i>	Mat Grass	Frequent, acid pasture
<i>Phleum alpinum</i>	Alpine Cat's-tail	Mountain grassland
<i>P. bertolonii</i>	Small Timothy	Frequent, meadows
<i>Poa alpina</i>	Alpine Meadow-grass	Mountain grassland
<i>P. annua</i>	Annual Meadow-grass	Frequent, waste places
<i>P. nemoralis</i>	Wood Meadow-grass	Frequent, woods
<i>P. trivialis</i>	Rough Meadow-grass	Frequent, meadows, woods

ORCHIDACEAE

<i>Listera ovata</i>	Twayblade	Lac des Gloriettes
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Occasional, Ossoue valley
<i>Dactylorhiza majalis ssp alpina</i>	Alpine Marsh Orchid	Frequent, damp meadows
<i>D. maculata</i>	Heath Spotted Orchid	Frequent, grassland
<i>D. sambucina (seedheads)</i>	Elder-flowered Orchid	Lac des Gloriettes
<i>E. atrorubens (in bud)</i>	Dark Red Helleborine	Gavarnie
<i>Gymnadenia conopsea</i>	Fragrant Orchid	Frequent, grassland
<i>Nigritella nigra</i>	Vanilla Orchid	Frequent, Gavarnie etc
<i>Orchis ustulata</i>	Burnt-tip Orchid	Occasional, Lac des Gloriettes
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	Frequent, scrub
<i>Orchis morio (seedheads)</i>	Green-winged Orchid	Lac des Gloriettes
<i>Leucorchis albida</i>	Small White Orchid	Lac des Gloriettes

Nomenclature according to Flora Europaea (2nd edition). Endemic means restricted in distribution to the Pyrenees

Birds

LITTLE EGRET – *Egretta garzetta*

Birds seen on the Garonne river on days 1 & 8

GREY HERON – *Ardea cinerea*

Birds seen on days 1, 6 & 8.

BLACK KITE – *Milvus migrans*

Very common away from the mountains

RED KITE - *Milvus milvus*

Three birds seen on the drive back to the airport on day 8

LAMMERGEIER – *Gypaetus barbatus*

Glorious close views in various locations of the nesting pair in the Ossoue valley

GRIFFON VULTURE – *Gyps fulvus*

Common Very good views at the Port de Boucharo on day 2

EGYPTIAN VULTURE – *Neophron percnopterus*

A single bird in the Ossoue valley on day 2

COMMON BUZZARD – *Buteo buteo*

Occasional

GOLDEN EAGLE – *Aquila chrysaetos*

Singles seen in the Ossoue valley on days 2 & 5

SHORT-TOED EAGLE – *Circaetus gallicus*

A pair seen on the drive back to the airport on day 8

COMMON KESTREL – *Falco tinnunculus*

Occasional

YELLOW-LEGGED GULL – *Larus cachinnans*

Birds seen on the Garonne river on days 1 & 8

ROCK DOVE/FERAL PIGEON – *Columba livia*

Occasional

COLLARED DOVE – *Streptopelia decaocto*

Occasional

TAWNY OWL – *Strix aluco*

Heard most nights from the hotel

SWIFT – *Apus apus*

Common in the towns & villages of the valleys

HOOPOE – *Upupa epops*

Singles seen on days 1 & 8

GREAT-SPOTTED WOODPECKER – *Dendrocopus major*

Seen and heard behind the hotel.

SKYLARK – *Alanda arvensis*

Only heard at the Port de Boucharo on day 3

CRAG MARTIN – *Ptyonoprogne rupestris*

Frequent around cliffs and sometimes in villages

SAND MARTIN – *Riparia riparia*

One bird seen on day 8

SWALLOW – *Hirundo rustica*

Occasional

HOUSE MARTIN – *Delichon urbica*

Seen most days, around cliffs as well as in villages

WATER PIPIT – *Anthus spinoletta*

Superb views at Gavarnie Ski station on day 3, also the Ossoue valley(3 & 5), and Troumouse(7)

WHITE WAGTAIL – *Motacilla alba*

Common

GREY WAGTAIL – *Motacilla cinerea*

Frequent near water.

DIPPER – *Cinclus cinclus*

Occasional in the stream at Gédre

WREN – *Troglodytes troglodytes*

Frequently heard, and occasionally glimpsed.

DUNNOCK – *Prunella modularis*

Frequent, even at quite a high altitude.

ALPINE ACCENTOR – *Prunella colaris*

Four birds seen amongst the rocks at the Cirque de Troumouse on day 7

ROBIN – *Erithacus rubecula*

Occasional

BLACK REDSTART – *Phoenicurus ochurus*

Ubiquitous right up to the snow-line, often heard long before being sighted

NORTHERN WHEATEAR – *Oenanthe oenanthe*

Frequent, seen on most days at higher altitudes

ROCK THRUSH – *Monticola saxatilis*

Good views of birds in the Ossoue valley on day 5

RING OUSEL – *Turdus torquatus*

Birds seen near the Port de Boucharo on day 3 and in the Ossoue valley on day 5

BLACKBIRD – *Turdus merula*

Frequent, seen on most days

MISTLE THRUSH – *Turdus viscivorus*

Single birds seen at gavarrie on day 4 and in the Ossoue valley on day 5

BLACKCAP – *Sylvia atricapilla*

Frequently heard in the valleys, occasionally seen

GARDEN WARBLER – *Sylvia borin*

Surprisingly more common than the previous species. Seen & heard most days

CHIFFCHAFF – *Phylloscopus collybita*

Occasionally heard

GOLDCREST – *Regulus regulus*

Occasionally heard

CRESTED TIT – *Parus cristatus*

Birds seen at Lac de Gaube on day 7

BLUE TIT – *Parus caeruleus*

Occasional

COAL TIT – *Parus ater*

Occasional in pine forest

GREAT TIT – *Parus major*

Occasional

LONG-TAILED TIT – *Aegithalos caudatus*

Only on day 2 near the hotel

NUTHATCH – *Sitta europaea*

Occasional

RED-BACKED SHRIKE – *Lanius collurio*

Frequent

JAY – *Garrulus glandarius*

Frequent.

MAGPIE – *Pica pica*

Frequent.

ALPINE CHOUGH – *Pyrrhocorax graculus*

Seen on most days in the mountains, usually in flocks

CHOUGH – *Pyrrhocorax pyrrhocorax*

Odd birds seen on most days

RAVEN – *Corvus corax*

Frequent

CARRION CROW – *Corvus corone corone*

Occasional

HOUSE SPARROW – *Passer domesticus*

Common near habitation

SNOWFINCH – *Montifringilla nivalis*

A pair seen on day 3 at the Port de Boucharo, but superb views of five birds in the car park at the top of the Col du Tourmalet on day 8. Very approachable and seemingly not bothered by our presence

CHAFFINCH – *Fringilla coelebs*

Very common up to a reasonably high altitude

SERIN – *Serinus serinus*

Commonly heard and occasionally glimpsed at Gèdre in the vicinity of the hotel

LINNET – *Carduelis cannabina*

Frequent.

YELLOWHAMMER – *Emberiza citrinella*

Frequent

ROCK BUNTING – *Emberiza cia*

Frequent in the Heas & Ossoue valleys

Total 61 Species

Invertebrates

FORESTER MOTH – *Adscita statices***6 SPOT BURNET MOTH** – *Zygaena filipendulae***5 SPOT BURNET MOTH** - *Zygaena trifolii***TRANSPARENT BURNET** - *Zygaena purpuralis***CHIMNEY SWEEPER MOTH** – *Odezia atrata***BLACK-VEINED MOTH** – *Siona lineate***An alpine moth** – *Psodos quadrifaria***BROAD-BORDERED BEE HAWK MOTH** – *Hemaris fuciformis***HUMMING-BIRD HAWK MOTH** – *Macroglossum stellatarum***CLOUDED BUFF MOTH** – *Diacrisia sannio***WOOD TIGER MOTH** – *Parasemia plantaginis***LARGE YELLOW UNDERWING MOTH** – *Noctua pronuba***ASCALAPHID** – *Libelloides longicornis***GOLDEN-RINGED DRAGONFLY** – *Cordulegaster boltonii***VELVET ANT** sp – *Myrmilla calva***BROAD-BODIED CHASER** – *Libellula depressa***DUNG BEETLE** sp –**POLLEN BEETLE** – *Oxythyrea funesta***STONEFLY** sp – *Dinocras cephalotes*

Mammals

ALPINE MARMOT – *Marmota marmota***FOX** – *Vulpes vulpes*

Reptiles & Amphibians.

WALL LIZARD – *Podarcis muralis***COMMON FROG** – *Rana temporaria***PYRENEAN BROOK SALAMANDER** – *Euproctus asper*

Fish

BROWN TROUT – *Salmo trutta*