Fraser’s Hill – A Lush Highland Hideaway

As the backbone of Peninsular Malaysia, the Titiwangsa Range houses the largest continuous block of highland forest in the Peninsula. Within this highland rainforest lies a “little hamlet” of English reminiscence, Fraser’s Hill. Famed for its verdant green and pristine forest with lush rolling hills and century-old buildings, it beholds wondrous natural treasures. This book intends to unfold these treasures and provide a glimpse of what Fraser’s Hill has to offer. A brief on the physical, socio-economic and biological environment is presented here with colourful doses of photos for the general knowledge of visitors. Though pictures are worth a thousand words, the smell, sound and feel of the place will have to be left to readers to experience for themselves right here at Fraser’s Hill.
The blue lines that appear in the background are known as contour lines and are a distinguishing feature of a topographic map. Contour lines show elevation and the shape of the terrain. They’re useful because they illustrate the shape of the land surface—its topography—on the map.
Formed by seven rolling hills with peaks ranging between 852 meters (m) above sea level (asl) to 1,456m asl, Fraser’s Hill is the lowest and least disturbed of the three major hill stations along the Titiwangsa Range, which is also known as the Main Range. Located 100 kilometers (km) from Kuala Lumpur, in the district of Raub, Pahang, the Fraser’s Hill Town Board covers an area of approximately 2,829 hectares (ha). Recognising that Fraser’s Hill is an environmentally sensitive area with a fragile ecosystem and an important area for birds and highland biodiversity, the Raub Local Plan 2003-2015 recommends the establishment of a wildlife sanctuary. The National Ecotourism Plan has also listed Fraser’s Hill as one of its priority sites for ecotourism. A study by the Department of Environment in 2008 also recommends the establishment of the Fraser’s Hill National Park with enhanced protection and management. Fraser’s Hill is already widely known internationally as a premier birdwatching site in the region, and has been internationally recognised as an Important Bird Area (IBA-MY09); IBAs are areas identified by BirdLife International as critical sites for the conservation of birds and biodiversity.

HISTORY

Fraser’s Hill derives its name from Louis James Fraser, a solitary Scottish pioneer, who set up a tin ore trading post in Tras in the 1890s. With tin mining flourishing at the foot of Fraser’s Hill, Fraser became a tin merchant, buying crude tin ore from the Malay and Chinese miners in the Tras and Sempam valleys, and transporting them to Kuala Kubu33 using mules. Fraser recruited guides and coolies for an expedition to the upper ridges, prospecting for gold or other valuable metals. At the top he found an ancient forest of moss-draped trees and ferns with a prehistoric appearance, kept constantly moist in the cloud layer. He also found rich tin deposits, and recruited Chinese workers to open a mine. The remnants of this mine, called Pamah Lebar then, stands today as the nine-hole golf course at the town center. A steep track was constructed for mules to transport the tin ore down to The Gap and on to Kuala Kubu, the nearest town. Fraser later moved up to Fraser’s Hill, making it the base of his tin ore trade. Fraser vanished without a trace some 25 years later. In 1917, C.J. Ferguson-Davie, Bishop of Singapore, led a trek up from The Gap to look for this site and did not find Fraser, but reported that the place was perfect for a hill station – a retreat from the heat of the lowlands. In 1919, work started on the access road to the hill station from The Gap, and by 1922, the hill station named Fraser’s Hill was opened to visitors.

The late 1990s saw another burst of development with more buildings, resorts and another golf course. In 2010, faced with growing evidence of environmental damage at Malaysia’s largest hill resort, Cameron Highlands, the Pahang state government ruled out further development of virgin forest at Fraser’s Hill.

33Kuala Kubu was first set up in the area now known as Ampang Pecah. However, due to two major flooding events in 1883 & 1926, the town was relocated further uphill in 1931 to where Kuala Kubu Baru is now located.
PHYSICAL ENVIRONMENT

With undulating terrain, the altitude at Fraser’s Hill ranges between 320 m and 1460 m asl. 44% of the terrain in Fraser’s Hill is very steep, with only 8% of the land area being relatively flat.

Fraser’s Hill has a year-round average temperature of between 17°C to 25°C, with a relative humidity of between 70-95%. Its mean annual rainfall is +/- 2300 mm, with an average frequency of over 200 rain-days. Highest rainfall usually occurs in November-December, while the lowest rainfall is recorded between June-August.

Almost 92% of Fraser’s Hill is still covered with virgin forest, with only 1.5% developed. The remaining 6.5% is cleared land that is now covered with secondary vegetation.

At least ten river systems (sub-catchments) originate from Fraser’s Hill. Sungai Selangor, forms the main river system to the west, and is a major source of water for the state of Selangor, while Sungai Teranum forms the main river system to the east on the Pahang side.

The geology of Fraser’s Hill is overlain predominantly by granite that forms sandy soil, which is permeable and highly erodible.

The water quality of Sungai Hijau falls within Class 1 (Very Clean) of the Interim National Water Quality Standards.

SOCIO-ECONOMIC ENVIRONMENT

Over a 20-year period, there has been an apparent limited growth in the population of Fraser’s Hill. This is largely attributed to limited job opportunities due to low development pressure, and lack of ownership opportunities as no new housing schemes have been developed since 2000.

The economy of Fraser’s Hill is highly dependent upon the tourism industry. Approximately half of the working population is employed in the hospitality industry (including operating their own businesses), while the rest work for the various government agencies.

The three primary schools (National, Tamil and Chinese) in the vicinity of Fraser’s Hill, there is no secondary school available for the children to further their education. As such, all the children have to migrate to larger towns such as Raub, Kuala Kubu Baru or Kuala Lumpur for secondary and tertiary education.

There are eight main accommodation providers at Fraser’s Hill, with more than 400 units of lodging available that can house up to a total 1,500 guests at any one time. Six are within the mid-range type while the other two offer boutique-styled accommodation at premium prices.
Fraser’s Hill contains a high level of biodiversity, and this was first recognised by the botanist H.N. Ridley in 1897. Kiew (1998) points out that Fraser’s Hill occupies a pivotal position in the mountain flora of the Main Range and is of great scientific interest. It is home to over 10% of all plant species found in Peninsular Malaysia. Fraser’s Hill has a rich and diverse flora comprising 952 indigenous species with 36 endemic species, 13 of which are possibly extinct, having not been seen for more than 60 years.

Fraser’s Hill is one of three known localities worldwide where the ancient and very rare Trig Oak (Trigonobalanops verticillata) occurs. Known locally as Mempening Babi, the Trig Oak is a living fossil of ecological and taxonomic importance.

Based on the IUCN Red List 2013, Fraser’s Hill is home to three globally Endangered mammals i.e. the Malayan Tapir (Tapirus indicus), Siamang (Symphalangus syndactylus) and the Malayan Tiger (Panthera tigris jacksoni), and two mammal species listed as Vulnerable i.e. the Serow (Capricornis sumatraensis) and the Malayan Sun Bear (Helarctos malayanus).

Invertebrates form the most dominant group of fauna in Fraser’s Hill: butterflies, moths, cicadas, crickets, grasshoppers, spiders, beetles, bees, ants and termites – all playing their vital role in maintaining a healthy ecosystem.

<table>
<thead>
<tr>
<th>Animal Group</th>
<th>Number of Species</th>
<th>Percentage of Total Number of Species Found in Peninsular Malaysia (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mammal</td>
<td>52</td>
<td>24.19</td>
</tr>
<tr>
<td>Bird</td>
<td>275</td>
<td>42.44</td>
</tr>
<tr>
<td>Amphibian</td>
<td>27</td>
<td>12.62</td>
</tr>
<tr>
<td>Reptile</td>
<td>26</td>
<td>29.55</td>
</tr>
</tbody>
</table>

Source: EPU (2001)
Montane forests play a critical role in the hydrology of major river systems which provide most of Peninsular Malaysia’s water needs, including the Pahang, Perak, Muda, Kelantan, and Selangor rivers.

Unlike the dipterocarp forests, the montane forest is dominated by trees of the oak (Fagaceae) and laurel (Lauraceae) families at elevations above 1,200 m asl, and smaller trees and shrubs of the rhododendron family (Ericaceae) at altitudes above 1,500 m asl.

The montane forest ecosystem typically contains a high level of endemism, particularly amongst the invertebrate fauna and herbaceous plants such as orchids, begonias, gesneriads, rhododendrons, mosses and ferns. In terms of birds, the Mountain Peacock-pheasant and the Malayan Whistling Thrush are both endemic to the montane forest of Peninsular Malaysia’s Main Range.

The term ‘dipterocarp forest’ specifically refers to the fact that most of the largest trees in this forest belong to one plant family known as Dipterocarpaceae, one of the major timber families in Malaysia and South-East Asia as a whole.
THE AMAZING FLORA

Yellow Earth Ginger (*Etlingera* sp.)
Often found some distance from the stem of the plant which grows up to 6m tall.

Rhododendrons
Found abundantly in Upper Montane forests such as the Pine Tree Hill. They are woody plants with showy flowers and attractive foliage.

Bracket Fungi
Commonly found growing abundantly throughout the year on fallen tree trunks.

Golden Balsam (Impatiens oncidioides)
Usually found in damp, muddy areas and by rocky streams. Endemic to Perak, Pahang and Selangor.

Saurauia rubens
Endemic to Peninsular Malaysia and frequently found along stream sides at altitudes between 850 and 1,400m.

Apple Fig (*Ficus oligodon*)
Flowers and fruits are both found in curious structures called figs. One of the most important year-round food source for many animals.
THE COLOURFUL BIRDS

One can most easily spot the myriad colorful birds during the early hours of dawn and dusk. During the bird migratory season (Oct-Apr), one may be able to spot migrants from as far as Europe and North Asia such as the Siberian Thrush \( (\text{Zoothera sibirica}) \) and Mugimaki Flycatcher \( (\text{Ficedula mugimaki}) \) – all attempting to escape the harsh winter in the northern hemisphere.
**OTHER ELUSIVE FAUNA**

**Malayan Sun Bear** (*Helarctos malayanus*)
Smallest member of the bear family. It takes its name from the bib-shaped golden or white patch on their chest which legend says represents the rising sun.

**Dusky Langur** (*Trachypithecus obscurus*)
Diet consists mainly of foliage and may vary to fruits, flowers and other items. Distinguished by the conspicuous white ring round its eyes.

**Siamese Peninsula Pit Viper** (*Popeia lucata*)
Highly venomous and dangerous. Nocturnal (active in the night), with a diet consisting of birds, frogs and small mammals.

**Impressed Tortoise** (*Manouria impressa*)
A mountain species with a diet consisting mainly of mushrooms, and spends much time hiding under leaf litter on the forest floor.

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**Yellow-throated Marten** (*Martes flavigula*)
Also known as Kharza, they are orange/yellow to dark brown with a pale coloured throat patch. They are diurnal (active in the day) hunters which usually hunt in pairs.

**Siamang** (*Symphalangus syndactylus*)
Largest of the gibbons with a bare throat pouch that enlarges during calls. Its calls include resonant booms and whoops, leading to a series of loud barks and a piercing yell, often heard several kilometers away.
Dynastinae or Rhinoceros beetles are among the largest of beetles and also known to be the strongest insects in the world as they can lift up to 850 times their own weight. Their unique horns are used to fight off other males during the mating season and escape from danger by digging itself underground.

While walking around in Fraser’s Hill, one can also discover the Rhinoceros beetle perched on some bushes, or the Atlas moth which is the largest moth in the world by wing area or the Giant millipede crossing your path. You may also be able to hear the orchestra of singing Cicadas everywhere!
THE FOREST TRAILS

There are eight forest trails, ranging from 200m to 6km long, with different levels of difficulty. Visitors should try to go on at least one trail. Established in the early days long before roads were built, these bridle paths were the only way to move around Fraser’s Hill, connecting the bungalows with the town centre. Some are named after historical individuals who played a part in the development of Fraser’s Hill. Today, these trails open up the windows of the wild, unfolding rich flora and fauna. While exploring these trails, try taking a deep breath and feel the wonders of mother nature all around you.

Bishop Trail

A haven for birdwatchers and nature lovers, this 1.3km trail is identified as an area of critical conservation importance for flora. It harbours many Peninsula-endemic plants. This trail with an undulating and narrow path, this trail with an undulating and narrow path has four learning stations inside, making it the best educational trail at Fraser’s Hill. This trail is named after the Bishop of Singapore, Reverend C.J. Ferguson-Davie, who discovered this plateau during one of his attempts to locate Louis James Fraser who had disappeared without any trace.

Maxwell Trail

This trail, extending to 2km, serves as an extension to Bishop Trail and is not extensively used, as it is deemed too long for beginners. However, birdwatchers will frequent this trail as it is much quieter. The trail exits at the Corona Nursery near the Tamil primary school.

Abu Suradi Trail

Abu Suradi was the first local Malay who was issued a tin mining lease by the British government in Pahang at Pamah Lebar (the present golf course) in 1899. This trail was used by Abu Suradi for his daily commuting from his thatched cottage (near the present Maybank Lodge) to his mining site. About 500m long, the biodiversity in this trail may not be as rich as other trails but it harbours at least two species of flora endemic to Fraser’s Hill.

Hemmant Trail

Named after Frank Hemmant, the designer and architect of the 9-hole golf course at the town centre, this 1km trail forms a green belt between the Silverpark Resort and the golf course. With minor obstacles, this trail boasts thick foliage and rich biodiversity.

Pine Tree Trail

Famed as the most physically challenging trail in Fraser’s Hill, the peak of Pine Tree trail stands close to 1500 meters asl. This 6km trail takes about four hours at a moderate pace to reach its peak. Due to frequent cloud cover, mosses, liverworts, and filmy ferns cling to trees and carpet the forest floor – often termed as “mossy forest”. In view of its distance, trekkers are advised to inform the police or the hotel they are staying of their intention before embarking on the trail.

Rompin Trail

This 200m trail was opened in the 1980s and served as a shortcut to the town centre for the residents of the Taman Sungai Hijau flats. Rather steep, this trail is partially concreted for the residents’ ease of travel. Despite this, Rompin Trail harbours a Peninsula-endemic plant.

Kindersley Trail

This 400m trail is a tribute to R.C.M. Kindersley who successfully championed the initial development and financing of Fraser’s Hill to the British colonial government. This trail is often used as a shortcut for inhabitants of bungalows in the area, and is recognised as one of the four areas of critical conservation importance for flora.

Mager Trail

Serving as an extension to the Abu Suradi Trail, this 500m trail takes its name after F.W. Mager, a Pahang Public Works Department engineer. He was responsible for the design and opening of the Gap Road – which is still in use today – ensuring that it was built in a way that stood the test of time.
There is a lucrative local and international market for the biodiversity found in Fraser’s Hill, particularly the orchids, pitcher plants, spiders, and insects such as butterflies, moths and beetles. The roads and trails around Fraser’s Hill provide easy access to the habitats where these species live.

The Fraser’s Hills’ ecosystem is also very vulnerable to the effects of climate change. Slight shifts in climate can cause wilting or death of the epiphyte community which plays an important role in the hydrological and nutrient cycles of the montane forest. The plant and animal species of Fraser’s Hill occupy such small ecological niches, and are therefore vulnerable to the predicted increase in intensities of storms, droughts and dry seasons brought on by climate change.

Other threats include the unsustainable clearing of forests and hill slopes for development, unsustainable tourism activities, and improper disposal of garbage, sewage and sullage effluents.

It is an **OFFENCE** within the vicinity of Fraser’s Hill to:

- Shoot, kill, trap, remove or possess any wildlife including birds or insects.
- Take, destroy or damage the nest or egg of any wildlife.
- Start, kindle, keep or carry any fire or leave any fire burning.
- Clear or break up any land for cultivation or any other purpose.
- Search for, collect, disturb or remove any forest produce.
- Commit offensive littering.

Offenders will be fined and/or jailed in accordance to the:
- Wildlife Conservation Act, 2010 (Act 716) - Sections 49 & 76
- National Forestry Act, 1984 (Act 313) [Rev. 1993] – Sections 15, 81, 82 & 83
GETTING THERE

Fraser’s Hill is located approximately 100km from Kuala Lumpur. Using the North-South Highway, exit at the Tanjung Malim Interchange and head for Kuala Kubu Baru. From there it takes around 45 minutes of winding road to The Gap. From The Gap, it is only a mere 15 minutes’ short drive up the one-way Gap Road. Alternatively, one may use the Karak Highway from Kuala Lumpur to exit at Bentong. From there, take the junction at Raub leading to Fraser’s Hill. You will also need around 45 minutes to reach The Gap. There is a commuter train service and bus services from Kuala Lumpur to Kuala Kubu Baru. From there, you may charter a taxi to Fraser’s Hill.

Coordinates of Fraser’s Hill Town Centre: 3° 42’ N 101° 44’ E

PRACTICALITIES

- 09-3622 222 Fraser’s Hill Police
- 09-3622 333 Fraser’s Hill Health Clinic
- 09-356 4194 Wildlife Crime Hotline
- 09-3551 060 Forest Clearing (Raub District Forestry Office)
- 09-3622 642 Raub District Council
- 09-3622 007 Tourist Information Centre
- 09-3622 007 Bird Interpretive Centre
- 013-983 1633 Bird Watching Guide (Mr. Durai)
- 09-3622 517 WWF-Malaysia
- 013-3910 651 Taxi service (Mr Ramasamy)
- 09-3622 222 Puncak Inn
- 09-3622 222 Pine Resort
- 09-3622 300 Shahzan Inn
- 09-3622 226 Na’ Ola Smokehouse
- 09-3622 500 TM Resort
- 09-3622 645 Highland Resthouse

FURTHER READING


Whitmore, T.C. 1986. Tropical Rainforest of the Far East

WWF-Malaysia 2006. Fraser’s Hill Treasure Trails

UKM 2009. Bukit Fraser Crown of the Titiwangsa Range

Bakar, M. (n.d.) Fraser’s Hill Secrets Unveiled


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