

利吉惡地

地質公園

LICHI BADLAND GEOPARK

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Lichi Badland Geopark

利吉惡地地質公園位在台東縣卑南鄉與台東市一帶，卑南大溪東岸出露大片泥岩，這是海岸山脈岩層中最有名的利吉混同層，出露位置地處歐亞板塊與菲律賓板塊聚合帶上，因兩板塊碰撞的過程中將海洋板塊上的物質刮積成增積岩體，完全破壞原始層序，並夾雜種類繁多且大小不一的外來岩塊。2010年林務局選定台東利吉泥岩惡地及高雄燕巢泥岩惡地做為推動地質公園的示範區，實現地景保育、環境教育、社區參與及推行地質旅遊的概念。

The Lichi Badland Geopark is in Taitung, eastern Taiwan. A mudstone outcrop on the east side of the Peinan River exposes an important formation of the Coastal Range called the Lichi Melange. The Lichi Melange is the product of the convergent boundary between the Eurasian Plate and the Philippines Plate. The strata was destroyed in the accretionary wedge and mixed with various exotic rocks of sizes. The Forestry Bureau chose the Lichi mudstone badland in Taitung, and the Yanchao mudstone badland in Kaohsiung, to be geologic interpretive sites to promote landscape conservation, environmental education, community participation, and geotourism.



利吉惡地

Lichi Badland



雨蝕溝、雨蝕谷等惡地地形為利吉地質公園的主要景觀，也是利吉混同層的標準點。利吉混同層廣泛的分佈在海岸山脈西麓，以卑南鄉利吉村及富源村一帶最為典型。主要以泥岩組成並夾雜許多外來岩塊，由於泥岩缺乏明顯的層理且雨水下滲不易的特性，使表面易受雨水冲刷流失，植物生長不易，形成童山濯濯的「月世界」景觀。

The Lichi Badland Geopark is a typical Lichi Melange outcrop which is located on the western side of the Coastal Range. It's composed of the mudstone and mixed with various exotic rocks of difference size. With the lack of obvious stratification and high surface runoff, Lichi mudstone area lines extremely ravines and rain gullies.



利吉惡地旅遊資訊

Traveling information for Lichi Badland

達人帶路 Expert tour guides

請洽旅遊諮詢 For traveling information, please contact

- +886-937-595486 柯炳煌 Ke, Bing-Huang
- +886-933-887699 楊炎秋 Yang, Yan-Jiu
- +886-912-788651 宋博芳 Song, Bo-Fang

餐飲 For food

| 富源 Fuyuan | | |
|-----------|--------------------------------------|-----------------|
| 富源景觀平台餐廳 | Fuyuan Landscape Platform restaurant | +886-937-595486 |
| 九伯羊肉爐 | Jiu-Bo Mutton Hot Pot | +886-89-231856 |
| 尚鼎羊肉爐 | Shang Ding Mutton Hot Pot | +886-89-236318 |
| 台197客棧 | Tai 197 Hostel | +886-928-693111 |
| 星星部落 | Star Tribe (Shin Shin Tribe) | +886-911-864066 |
| 利吉 Lichi | | |
| 利吉美食館 | Lichi Restaurant | +886-910-558388 |

住宿 For residence

| 富源 Fuyuan | | |
|------------|--------------------------|-----------------|
| 富源天籟民宿 | Fuyuan Tian Lai Hostel | +886-89-222889 |
| 101民宿 | 101 Hostel | +886-912-081925 |
| 利吉 Lichi | | |
| 晴耕雨讀 | Qing Geng Yu Du | +886-916-101261 |
| 雅雅坊農莊 | Yong Ya Fang Farm Resort | +886-963-137848 |
| 富豐 Fufeng | | |
| 啦噹噹民宿 | La Dang Dang Hostel | +886-912-524883 |
| 吉林YH青年旅舍民宿 | Jilin YH Youth Hostel | +886-930-183557 |
| 志航農莊民宿 | Zhi Hang Farm Resort | +886-936-360456 |

休閒遊憩 Doe Leisure and Entertainment

- 新麗農場 Shin Li Farm Resort +886-929-838500

利吉混同層的地質意義

The Geological Significances of Lichi Melange

＝ 板塊聚合帶的產物 From the convergent boundary ＝

利吉惡地最大的特色，便是其位在兩板塊聚合帶上，因此可以在利吉惡地中發現許多海洋板塊的產物、序亂且受剪切的層理，以及夾雜大小不一的外來岩塊等特性。

＝ 外來岩塊 The exotic rocks ＝

增積岩體括起兩板塊的物質，因此外來岩塊同時包含大陸邊緣沉積物，以及海洋板塊的火成岩，以及少量石灰岩、礫岩、安山集塊岩、頁岩等。

The exotic rocks in the Lichi Melange were incorporated in the accretionary wedge and originated from both the continental margin and the oceanic plate. Rock types include limestone, conglomerate, agglomerate and shale.

＝ 強力剪動現象 The shear stress ＝

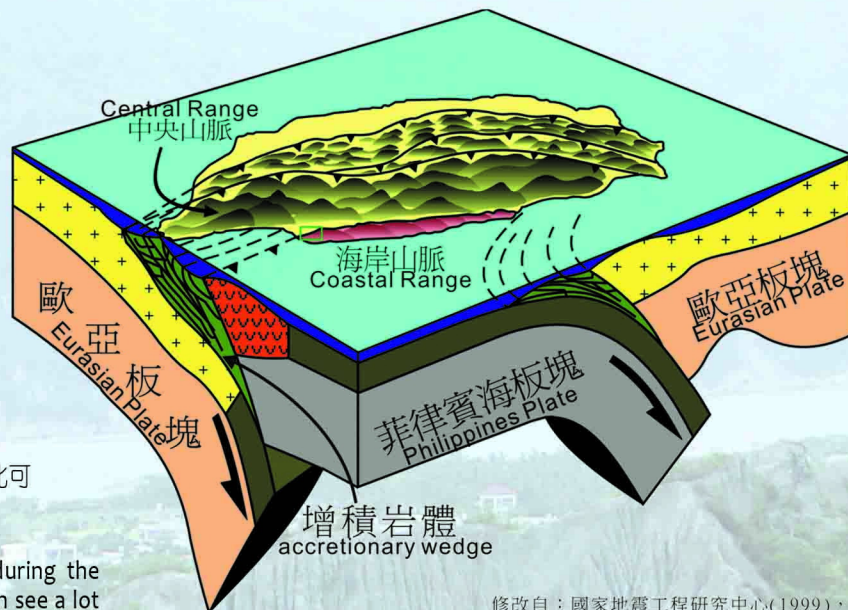


增積岩體刮積的過程中，造成地層內的剪切作用，因此可在泥岩中發現鱗片狀葉理等證據。

There was strong shearing of the Lichi Formation during the growth of the accretionary wedge, as a result, one can see a lot of scaly foliation in the Lichi Melange.



The Lichi Melange is the product of the convergent boundary between the Eurasian Plate and Philippines Plate, so you can see the chaotic strata which is mixed with various exotic rocks of difference sizes in the mudstone.



修改自：國家地震工程研究中心(1999)，九二一大地震震災調查總結報告—地質調查報告。
[http://gisdb.ncree.gov.tw/ncree/doc/report\(2012/10/01\)](http://gisdb.ncree.gov.tw/ncree/doc/report(2012/10/01))

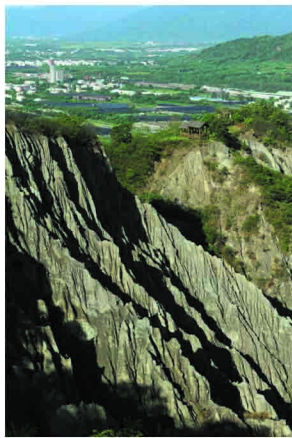


指導單位：行政院農業委員會林務局
主辦單位：國立東華大學自然資源與環境學系
協辦單位：迴瀾風生態探索學校

Supervisor: Council of Agriculture Executive Yuan, Forestry Bureau
Organizer: Department of Natural Resources and Environmental Studies, NDHU
Co-organizer: Huilanfeng

Badland Gorge

Badland Gorge is different from the Lichi Landscape Platform. You can see a wonderful badland gorge but it is difficult to approach the mudstone. It is recommended that you find a tour guide from the local community to guide you in this area.



Lichi Landscape Platform

利吉惡地地質公園
解說教育中心

The Lichi Badland Geopark of
interpretation education center

The interpretation education center is a green building which is located at Lichi village. There are regular exhibitions at the center and you can reserve the tour service before coming to visit the Lichi Badlands.



Little Huangshan

Shitoushan and Hutoushan

The Shitoushan and Hutoushan are two hills at the end of Coastal Range. They are both huge exotic rocks of Lichi Melange.



石頭山 Shitoushan



虎頭山 Hutoushan

Fuyuan Landscape Platform

The Fuyuan landscape platform has a great view to see the Little Huangshan, the Taitung plain on the west side, and the Pacific Ocean to the east.



Fufong woodcarving and Art Trail



There is a tribe that guards aboriginal A-Mei culture called Shishan Tribe in the Lichi Badland Geopark. The woodcarvings of human portrayals can be seen throughout the community. Some of them show joyful facial expressions that celebrate the fish harvesting while some depict the carrying of loads of firewood on their back—both show that they lived a quite wealthy life. Such wooden arts are scattered throughout the area.

Experiencing Traditional Aboriginal Culture

There is aboriginal traditional craftsmanship at Shishan Tribe in Fufong community. A variety of fancy work is the heritage passed down from the elders in the community. DIY knitting programs are available for reservations and everyone is welcomed to join the annual Harvest Festival of Amis.

