

# 利吉惡地

## 地質公園

### LICHI BADLAND GEOPARK

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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 楊炎焜 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 Fufong		
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。

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.

### ＝ 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.

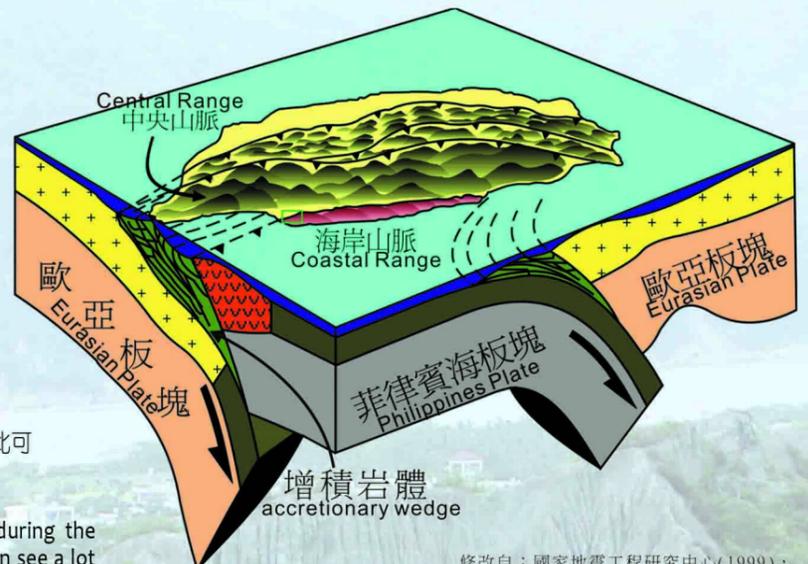


### ＝ 強力剪動現象 The shear stress ＝



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層理等證據。

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.



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[http://gisdb.ncree.gov.tw/ncree/doc/report\(2012/10/01\)](http://gisdb.ncree.gov.tw/ncree/doc/report(2012/10/01))

