

Online Databases of Geologic Formations of Asia and Africa, with Display onto Plate Reconstructions for Any Time Horizon

Single-Country Search

Welcome to the China Lexicon of Stratigraphic Units!
Please enter a formation name or group to retrieve more information.

Search Formation Name...

Search by Period: Province:

Map is clickable
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Xinjiang Autonomous Region, Cretaceous

Chrono-stratigraphy	SW Junggar Basin (Cret. 1, Shawan-NE Nileke)	E Central Junggar Basin (Cret. 2, Turpan)	Far-West Xinjiang (Cret. 3, Kashi-Maidanlawu)	Central far-west Xinjiang (Cret. 4, Kuokeshale-Kuqa)	Karakorum (Cret. 5, Pamir Belt)
Paleogene					
Maastrichtian	Ziniqianzi Fm	Subashi Fm	Tuyuluoke Fm	Talak Fm	
Campanian	Donggou Fm	Kumutake Fm	Yigeziya Fm	Bashijiqike Fm	
Santonian			Wuyitak Fm		
Coniacian					
Turonian					
Cenomanian					
Albian	Lianmuqin Fm	Lianmuqin Fm			
Aptian			Kezilesu Gr	Yapaqin Gr	
Barremian	Shengjinkou Fm	Shengjinkou Fm			
Hauterivian	Hutubihe Fm	Sanshildadun Fm		Baxigai Fm	
Valanginian				Shushanhe Fm	Chongtashi Fm
Berriasian	Qingshuihe Fm			Yageliemu Fm	

Lithology and Thickness

- limestone
- clayey limestone
- shallow marine marl
- sandy limestone
- conglomerate
- sandstone
- coarse-grained sandstone
- clayey sandstone
- siltstone
- claystone
- sandy claystone
- gypsiferous claystone
- gap

Click to display on map of the Ancient World at:

Kukebai Fm base reconstruction

Reconstruction Model: GPlates Default (Merdith, Williams, et al., 2021)
Reconstruction Model: Continental flooding model (Marcilly, Torsvik et al., 2021)
Reconstruction Model: Paleo-topography (Chris Scotese, 2018)

Kukebai Fm

Period: Cretaceous
Age Interval: Late Cretaceous, (3) *K₂kk*

Province: Xinjiang

Type Locality and Naming
Western Tarim Basin. The Kukebai Formation was erected by the No.107 Geological Team. The section for the designation is in Kukebai about 20 km west of Ulugqat of the Wuqia Co.

Lithology and Thickness
The Kukebai Formation is represented by green mudstone with shelly bed and shelly limestone with thin-bedded gypsum mudstone and gypsum, with a layer of gray thick-bedded mudstone. It is 124 m thick.

Lithology Pattern: Claystone

Relationships and Distribution
Lower contact
The base of the formation, marked by the appearance of variegated mudstone, is distinguished by underlying *Kezilesu Gr*. The formation shows a conformable contact with the underlying *Kezilesu Gr*.
Upper contact
The top, marked by yellow green limy shelly fine sandstone, is bounded by variegated gypsum mudstone. The formation shows a conformable contact with the overlying formations.

Regional extent
The present formation occurs in Ulugqat, Bashibulake, Kukebai, Kuzongsu and Shaleibier mountains in front of the Tianshan Mountain, and in Yigeziya, Tamu, Qimeigen, Artashi, Shilapu and Moke in front of the Kunlun Mountain. Along the northern foot of the Kunlun Mountain, it decreases in thickness from west to east, and is 85 m thick east of the Yarkant river and the

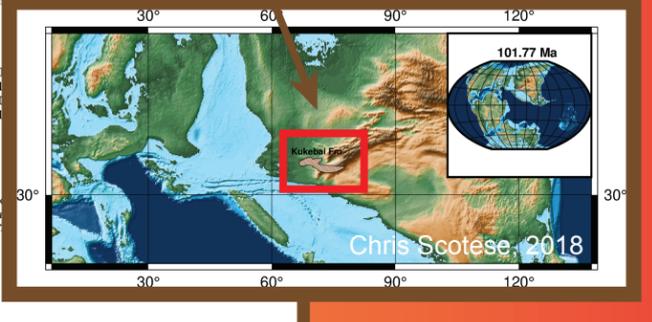
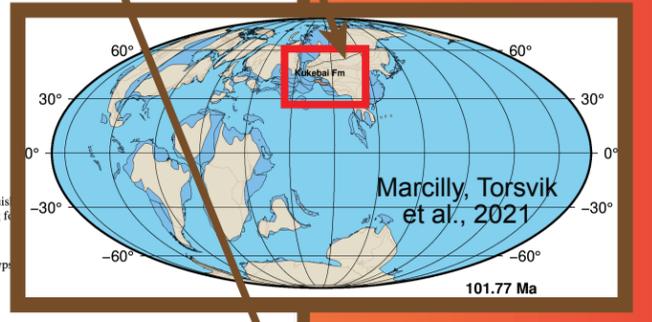
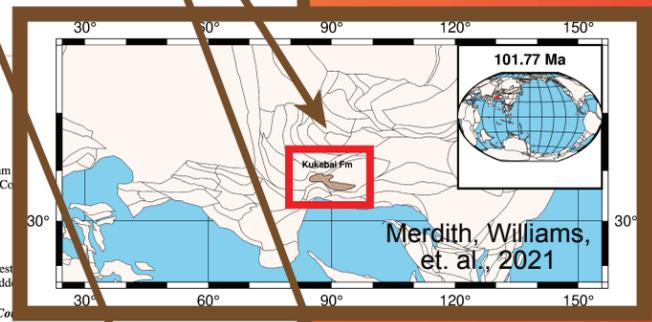
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Fossils
It yields bivalves *Ostrea delectrei*, *O. vatonnaia*, *O. rouvillei*, *Trigonia jerganensis*; gastropods *Pacenticeras placenta*, *Thomasites koubicus*; Foraminifera *Gaudryina fabra*, *Anomalina*; ostracods *Bythocypris acclis elliptica*; Dinoflagellates *Cylonephelium vannophorum*. C. assemblage the *Nevesisporites radiatus - Triclioptes micromunus* assemblage.

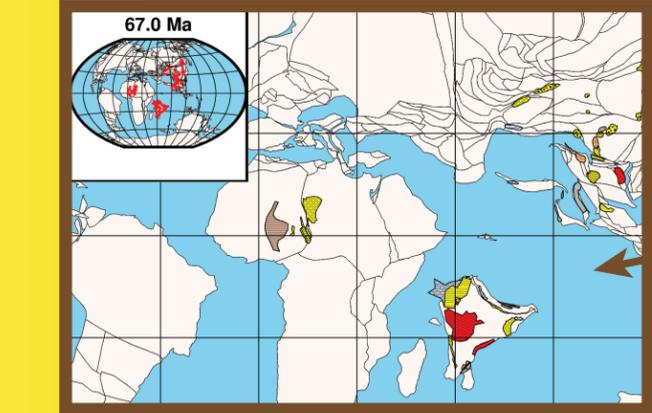
Age
Age Span:
Beginning stage: Albian
Fraction up in beginning stage: 0.9
Beginning date (Ma): 101.77
Ending stage: Coniacian
Fraction up in the ending stage: 0.8
Ending date (Ma): 86.44

Depositional setting
The early stage deposition of the formation is lagoon facies while the late stage deposition is neritic facies

Depositional pattern:
Additional Information
Compiler: Wan Xiaojiao



Multi-Country Search



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