

新疆的寶藏

MINERAL RESOURCES IN XINJIANG

新疆對外文化交流協會
新疆維吾爾自治區地質礦產局

編

Xinjiang Foreign Cultural Exchange Association
Xinjiang Bureau of Geology and Mineral Resources

Compiled

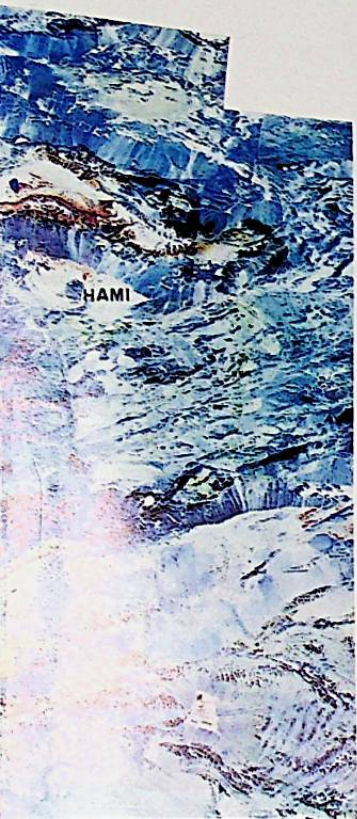
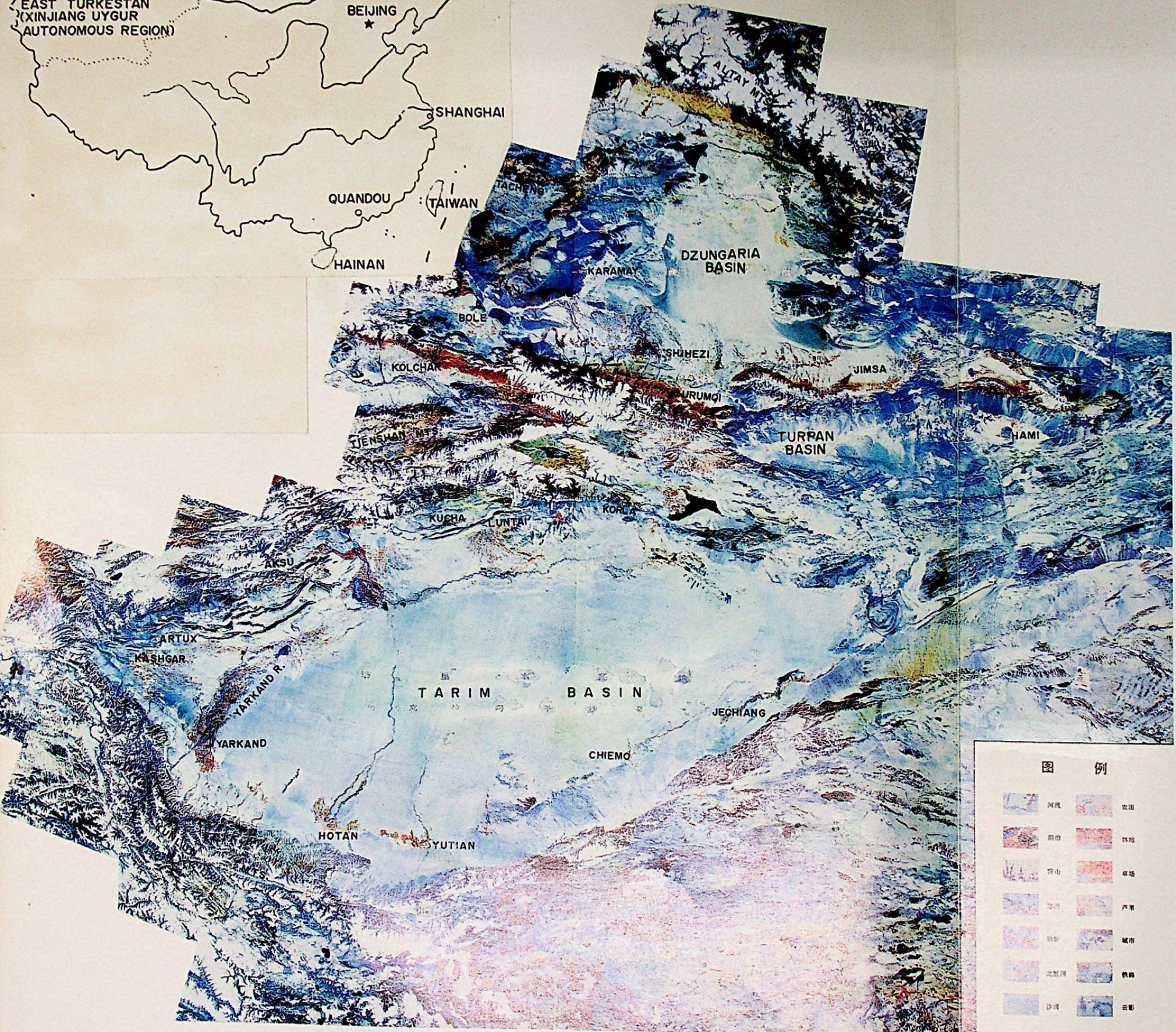
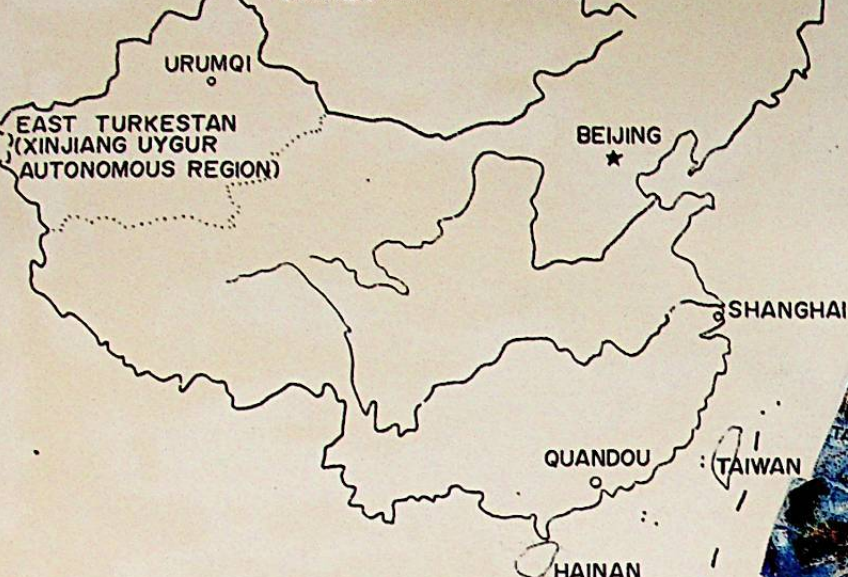


图 例

	河流		农田
	绿洲		特殊地
	雪山		牧场
	冰川		芦苇
	裸岩		城市
	文壁碑		铁路
	沙漠		云影

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LOCATION OF EAST TURKISTAN IN CHINA



图例

	河流		农田
	高原		牧场
	雪山		森林
	湖泊		城市
	铁路		阴影
	沙漠		

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前 言

朋友，你到過“金玉之邦”——新疆嗎？或許你嚮往着那廣袤遼闊的大地，巍峨雄偉的高山，絢麗多姿的河湖，浩瀚莫測的沙漠，奇妙的地貌景觀，古絲綢之路的遺迹；也或許你更想了解她那富饒的資源，更關注“金玉之邦”的地下寶藏。

當你翻開這本畫冊，注視那張張寶藏分佈圖，一幅幅彩色照片，你會發現大自然賜予新疆的寶藏是何等的豐富、何等的珍貴啊！新疆確實是世界上一塊神奇的寶地。

展現在人們面前的這塊寶地，有上百個礦種、近 5000 處礦產地、300 多個礦帶，像顆顆寶石鑲嵌在天山南北的大地上，奪目生輝。啊！新疆，你仿佛是一只巨大的盛滿寶玉金銀的聚寶盆……。

請看，塔里木盆地和准噶爾盆地蘊藏的油氣資源舉世矚目，科學家公認是我國陸上油氣最有遠景的地區之一，寄托着中國能源的未來；

黑色的金子——煤炭，資源巨大，中國三分之一的煤炭資源量在這裏，上百億噸的大煤田、百餘米厚的特厚煤層、大型的優質焦煤礦區，這是中國一個潛在的能源優勢；

天山的富鐵礦，西准噶爾的鉻礦，阿爾泰山的特富銅鎳礦和稀有金屬礦，塔里木盆地西緣的鉛鋅礦，三大山系各種類型的金礦，展示出了金屬礦藏的光輝前景；

巨大的鹽山和鹽湖，我國罕有的鈉硝石、皂石、蛋白土，國內外巨型規模的蛭石、雲母和膨潤土礦床，揚名古今中外的和闐玉、絢麗多彩的寶石，非金屬寶庫又是多麼富有；

數百條奔騰的河流，上百個神秘莫測的湖泊，特有的固體水庫——冰川，遍布的溫泉和獨特的熱氣泉，在這典型的干旱半干旱地區居然有着如此珍貴豐富的水資源，這在世界上也是少有的啊；

豐富的寶藏是一定地質構造條件的產物。新疆地質構造是那樣獨特，那樣神秘，那樣誘人，吸引着世界上許多的地質工作者前去探索，難怪地質學家們說，研究中國地質

離不開新疆。

這本畫冊包括彩色照片 183 幅，各種礦產資源分佈圖 7 幅，地質板塊構造圖 1 幅，簡介文章 10 篇。把一個省區這樣豐富的地下寶藏——礦產資源，全面系統地用彩色照片、分佈圖及中英文說明，公佈於世，介紹給讀者，在新疆和我國還是首次。其目的在於讓世界上更多的朋友了解新疆的礦產資源，以期共同來開發新疆這塊寶地。

本畫冊由新疆對外文化交流協會和新疆地質礦產局合編。彩色照片、彩色礦產資源分佈圖和板塊構造圖全部採用於《新疆的寶藏》一書。文字說明是在該書基礎上，分別由張良臣（九）、劉德權（前言）、唐延齡（一、六）、王海鵬（二）、郝健（三）、徐光琪（四）、李錫銘（五）、剡鴻炳（七）、戴恩福（八）等撰寫，最後由劉德權、唐延齡統稿，張良臣和陳大俊修改審定。

本畫冊在編輯出版過程中，承蒙新疆各有關部門和廣大地質工作者的支持，特此表示我們的衷心感謝。

朋友，願你喜愛這本畫冊，歡迎你到新疆來，歡迎你來探索寶地的秘密，歡迎你來開發新疆的寶藏。

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Introduction

Have you ever been to Xinjiang, the “Gold-and-Jade Land”, dear friends? Perhaps you yearn for the boundless expanse of field, the lofty mountains, the gorgeous rivers and lakes, the vast mysterious desert, the marvellous geomorphologic landscape, and the relicts along the ancient “Silk Road”. Perhaps you are eager to know the rich resources. Or perhaps you are more interested in the underground mineral deposits.

When opening the picture album and gazing at the mineral distribution maps and colour photos, you will marvel how plentiful and valuable the mineral resources bestowed by nature are! Xinjiang is a miraculous treasure land of the world, indeed!

This stretch of land has nearly a hundred categories of minerals, five thousand mineral localities and more than 300 mineral deposits or belts which are like brilliant gems inlaid on the land north and south of the Tianshan Mountains. Xinjiang seems to be a “treasure bowl” full of precious stones, jades, gold and silver!

The oil and gas resources in the Tarim and Junggar Basins, Xinjiang, are of world renown. Therefore Xinjiang is considered by scientists as one of the most promising areas in China for continental oil and gas, and represents the future of energy resources of China.

Coal resource, the so-called “black gold”, is abundant in Xinjiang, where one-third of the total coal resource of China, huge coal fields with a reserve of nearly ten billion tons, coal seams more than 100 m in thickness, and large high-quality coking coal districts are present. Xinjiang is one of China's areas with a potential energy superiority.

The rich iron ores in the Tianshan Mountains, the chromite deposits in western Junggar, the high-grade Cu-Ni and rare metal deposits in the Altay Mountains, the Pb-Zn deposits on the western margin of the Tarim

Basin, and the various types of gold deposits in the three mountain systems all exhibit the bright prospects for metallic mineral resources in Xinjiang.

Xinjiang is also rich in nonmetallic mineral resources, including the huge salt hills and saline lakes, the nitratite, saponite and opal rare in China, the large vermiculite, mica and bentonite deposits, the white and black jades well-known at home and abroad, and a large variety of gems.

Several hundred rolling-on rivers, almost one hundred lakes, many glaciers (the so-called "solid water reservoirs"), ubiquitous hot springs and unique steam springs constitute the precious and rich water resource of this typical arid and semi-arid area. Such a case is rare in the world.

Rich mineral resources are products of certain geological and structural evolutions. Xinjiang is geologically and structurally so unique, mysterious and attractive that a large number of geologists of the world swarm forward to make their scientific researches. No wonder geological scientists assert that Xinjiang must be included in the study of geology of China.

This picture album comprises 183 colour photos, 7 mineral distribution maps, 1 map of geology and plate tectonics, and 10 brief-account papers.

It is the first time in China that the rich mineral resources of Xinjiang are systematically made public by colour photos, distribution maps, and explanations both in Chinese and in English. We hope that through this album, more friends of the world would gain a clear idea of the mineral resources of Xinjiang so that we jointly develop this treasure land.

This picture album was compiled jointly by the Xinjiang Foreign Cultural Exchange Association and the Xinjiang Bureau of Geology and Mineral Resources. The colour photos, mineral distribution maps, and plate-tectonic maps are all from the book "Mineral Resources in Xinjiang". The explanatory text was written, on the basis of the book, by Zhang Liangchen (Part 9), Liu Dequan (Introduction), Tang Yanling (Parts 1 and 6), Wang Haipeng (Part 2), Hao Jian (Part 3), Xu Guangqi (Part 4), Li Ximing (Part 5), Yan Hongbing (Part 7), and Dai Enfu (Part 8). The manuscript was finally marshalled by Liu Dequan and Tang Yanling, and revised and reviewed by Zhang Liangchen and Chen Dajun. The whole picture al-

bum was translated into English by Liu Lingun.

We are grateful to concerned departments and geologists of Xinjiang for their support during the preparation of this album.

Dear friends, we hope you will like the album. welcome to Xinjiang! We are awaiting your arrival to explore the secrecy of the treasures and develop the mineral resources in Xinjiang!

