JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

MINISTRY OF ENERGY
TEHRAN REGIONAL WATER BOARD
THE ISLAMIC REPUBLIC OF IRAN

THE STUDY

ON WATER MANAGEMENT IN THE WESTERN AREA OF THE CAPITAL TEHRAN

IN THE ISLAMIC REPUBLIC OF IRAN

FINAL REPORT

DATABASE MAPS

NOVEMBER 2001

SANYU CONSULTANTS INC.

LIST OF DATABASE MAPS (1/2)

LIST OF DATABASE MAPS (2/2)

Chapter 1. Introduction		
No.	**Title of Drawings/Figures/Tables**	**Page**
	General Location Map and Typical Scenary	**1-1**
	What is JICA's Role ?	**1-2**
1.3.1	Study Area Boundary	**1-3**
	Project Facility Location Map	**1-4**

General Location Map and Typical Scenary

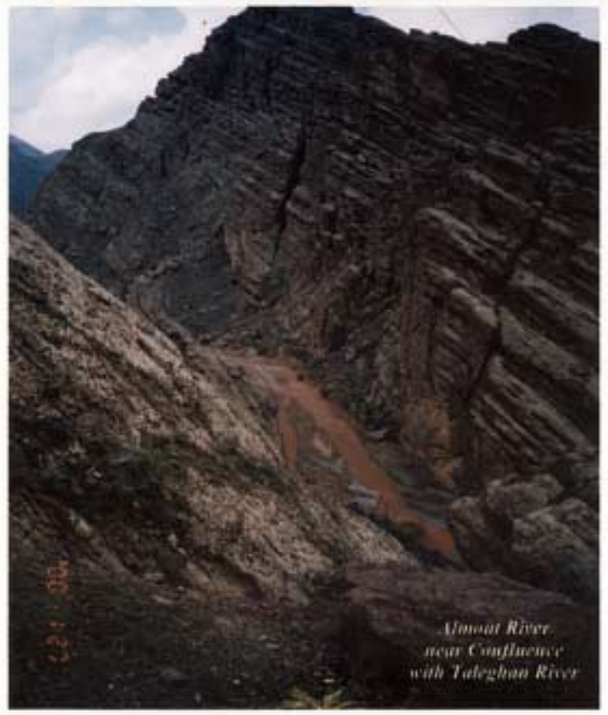
Confluence of Taleghan River and Almout River


Tehran City


Tehran Regional Water Board

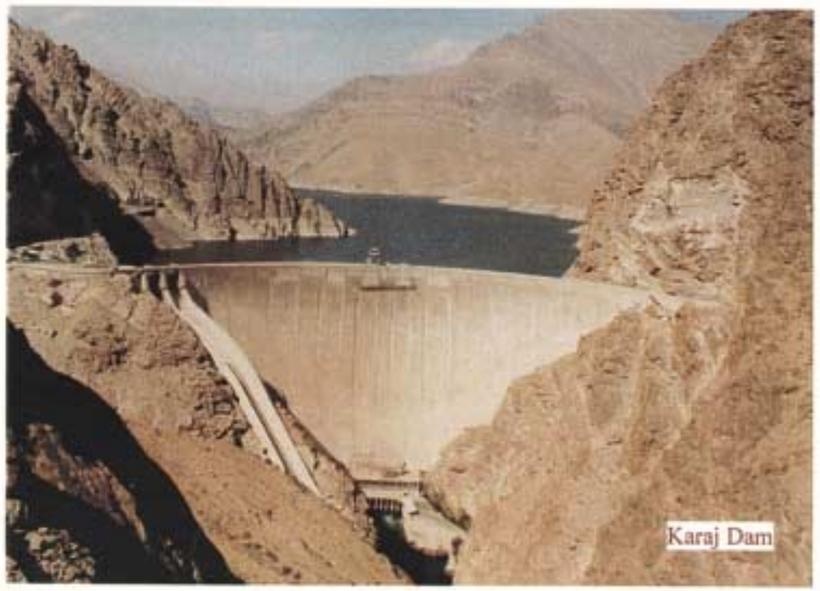
GENERAL LOCATION MAP

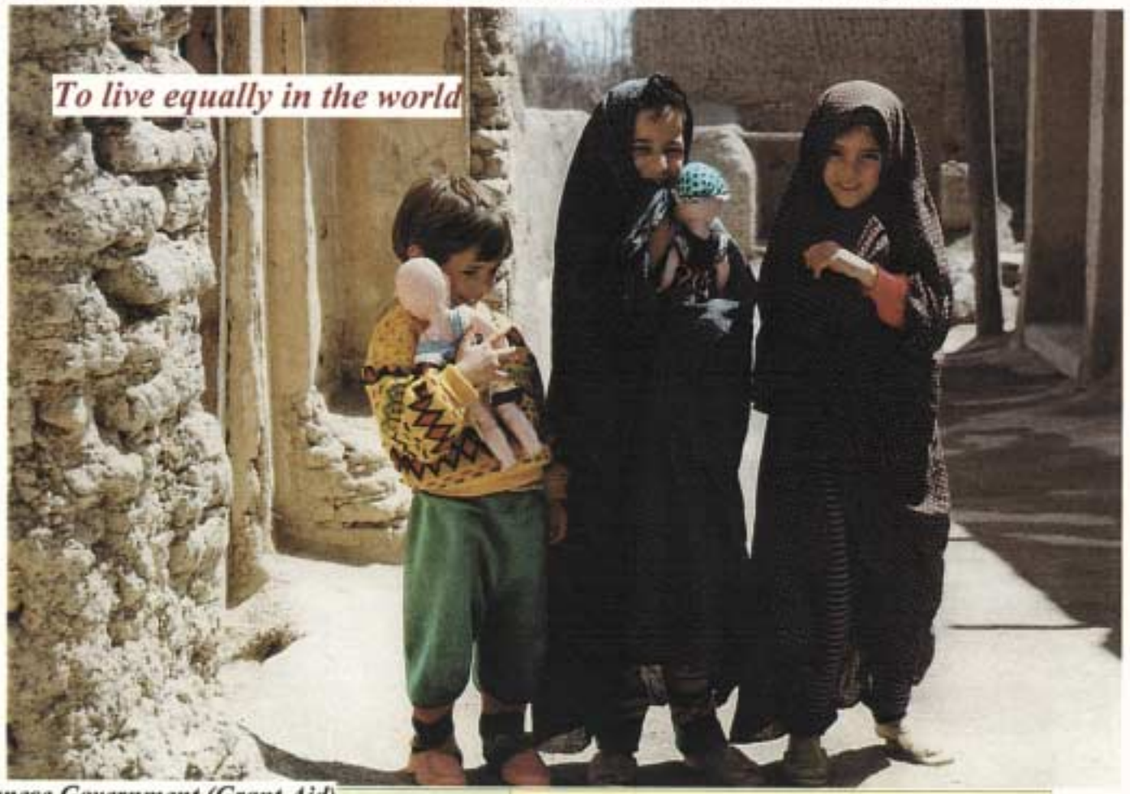

Taleghan Mountains near Abyek


Almout River near Confluence with Taleghan River

What is JICA's Role ?

JICA (Japan International Cooperatiojn Agency) is responsible for the techneical coorporation aspect of Japan's ODA programs. JICA's programs include; (1) Technical Cooperation such as training in Japan, dispatch of experts, provision of equipment, project-type technical cooperation and development study, (2) dispatch of Japan Overseas Cooperation Volunteers, (3) Training and procurement of qualified personnel for technical cooperation, (4) survey and administration of Grant Aid Programs, and others.





How is This Study Going on ?

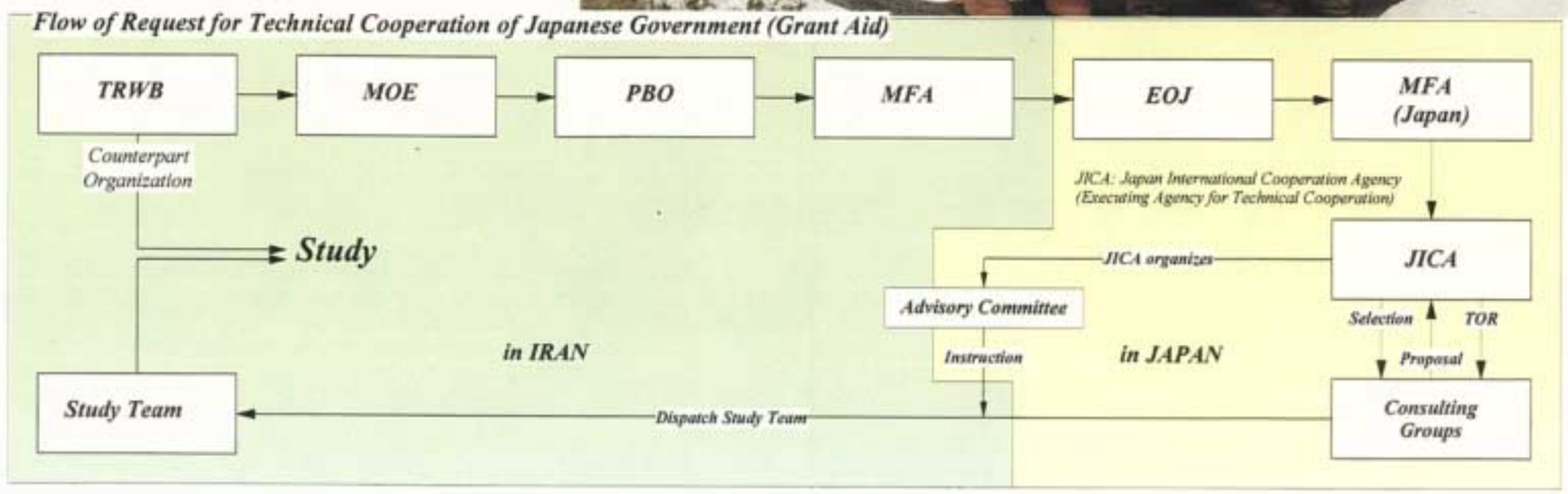
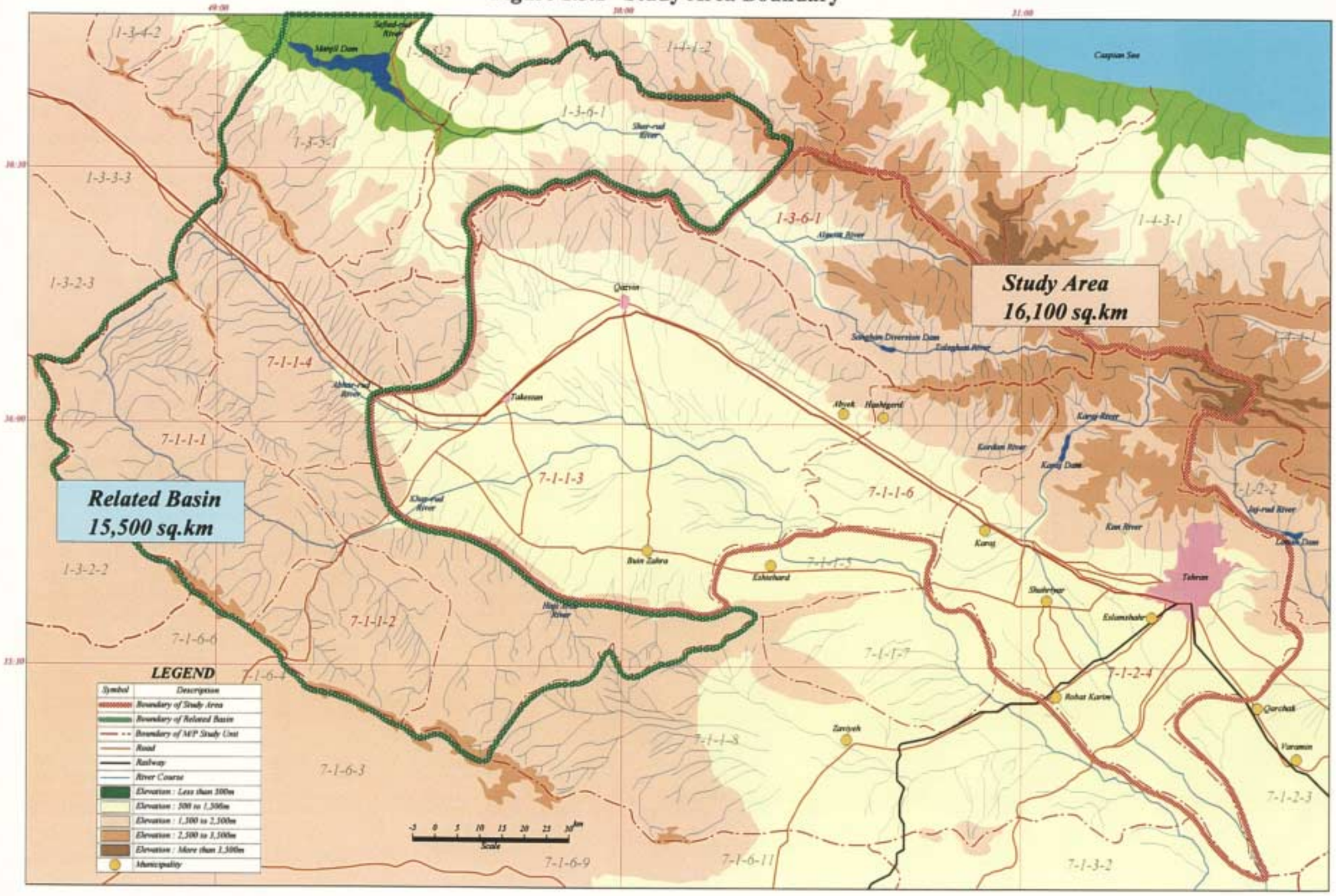
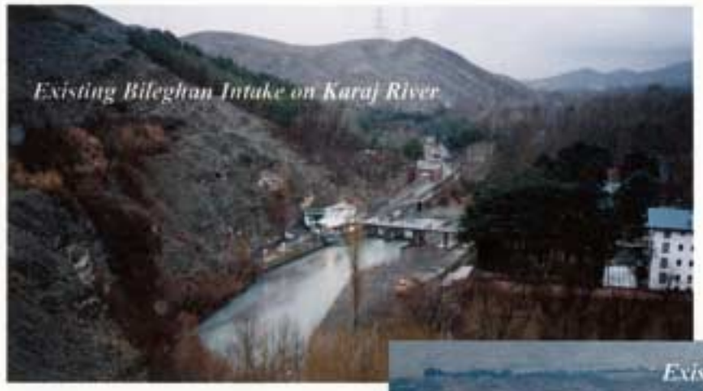
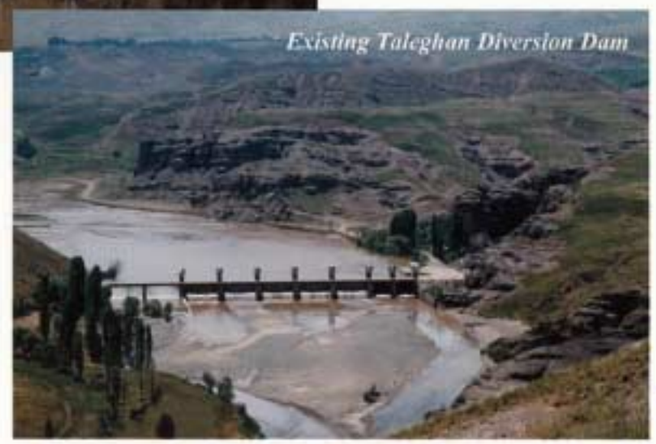


Figure 1.3.1 Study Area Boundary







Objective of the Study and Scope of Works

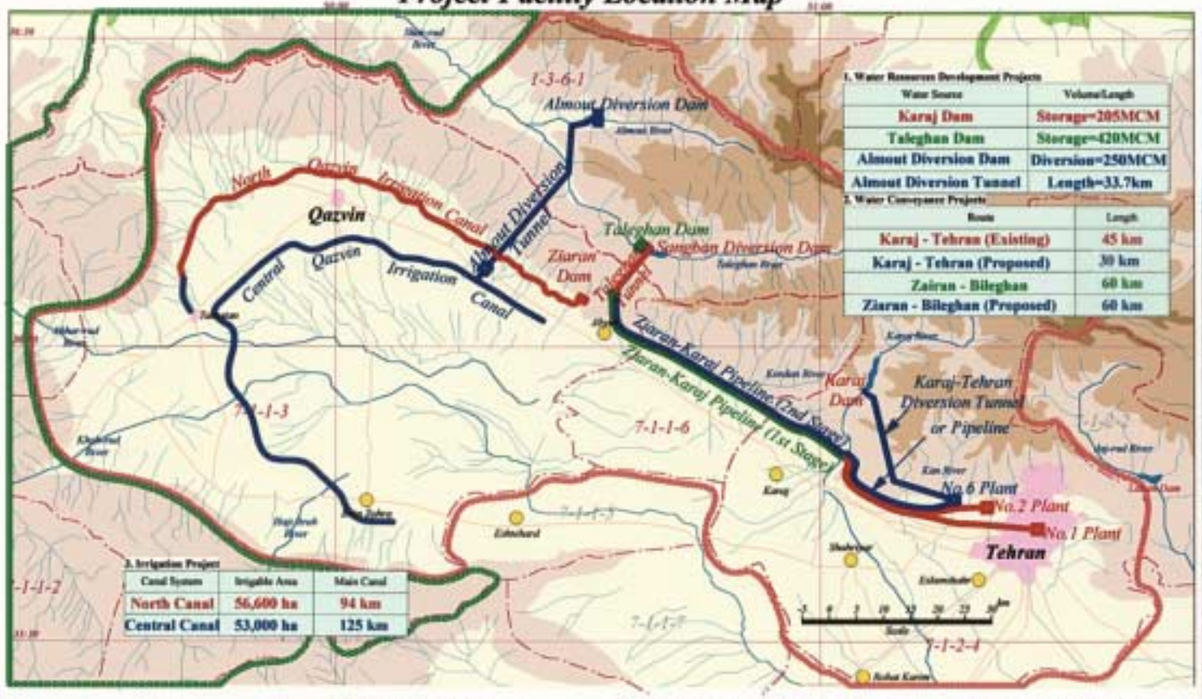
1 Objective of the Study

To establish a rational and practical water resources management plan in the western area of capital Tehran, in order to achieve effectively and smoothly the program proposed in the Master Plan

2 Scope of Works

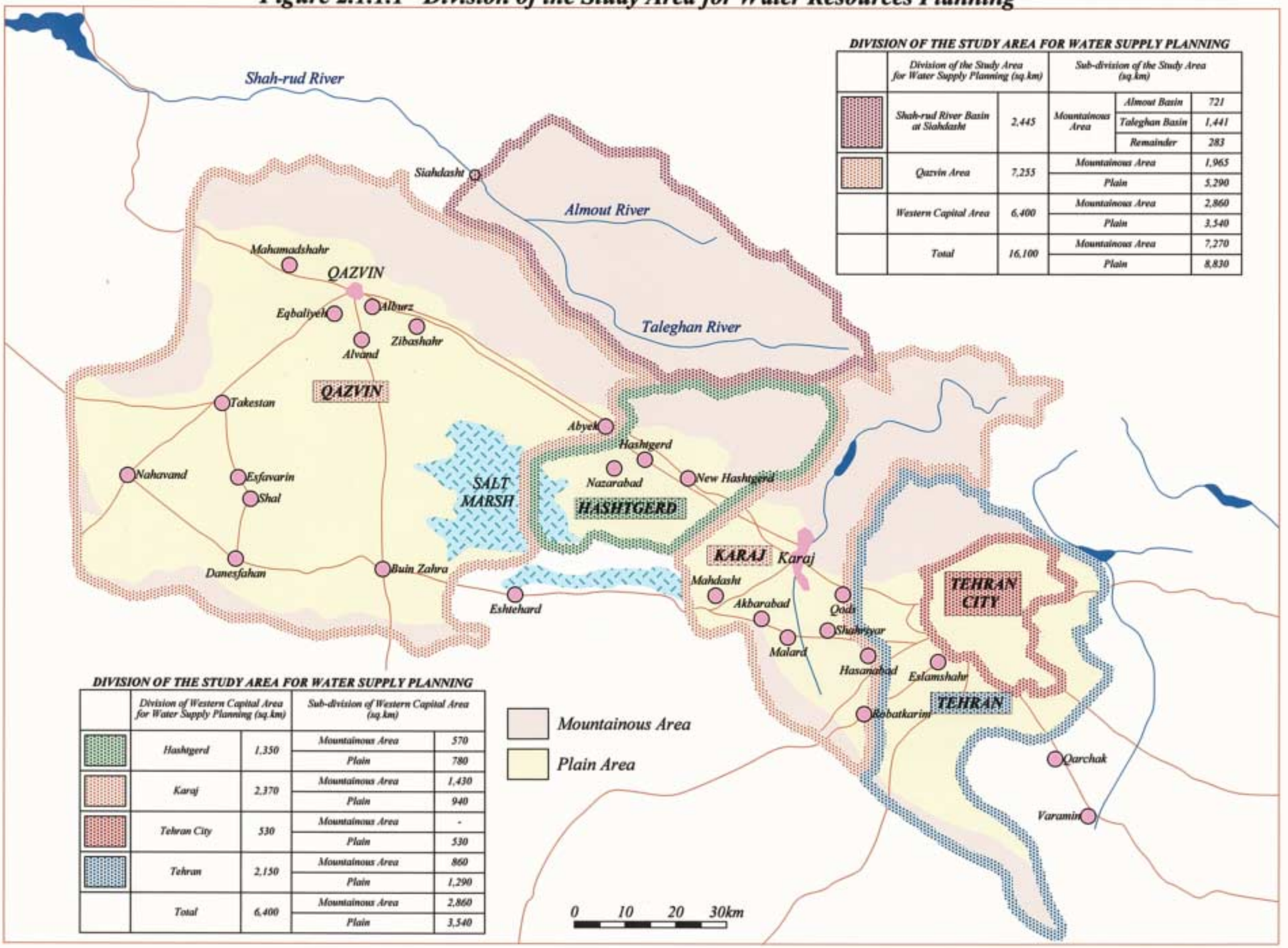
1	To evaluate potential & available surface and groundwater resources
2	To evaluate water use plan based on the projected water demand and water allocation plan by water sources
3	To prepare scenarios of water resources development and allocation in short, medium and long terms
4	To conduct pre-feasibility study on Almout water diversion together with conceptual plan of Qazvin irrigation development
5	To prepare implementation program of water resources development and management

Project Facility Location Map



Chapter 2. Present Conditions of the Study Area

Figure 2.1.1.1 Division of the Study Area for Water Resources Planning



DIVISION OF THE STUDY AREA FOR WATER SUPPLY PLANNING

	Division of the Study Area for Water Supply Planning (sq.km)		Sub-division of the Study Area (sq.km)	
	Shah-rud River Basin at Siahdasht	2,445	Mountainous Area: Almout Basin	721
			Mountainous Area: Taleghan Basin	1,441
			Mountainous Area: Remainder	283
	Qazvin Area	7,255	Mountainous Area	1,965
			Plain	5,290
	Western Capital Area	6,400	Mountainous Area	2,860
			Plain	3,540
	Total	16,100	Mountainous Area	7,270
			Plain	8,830

DIVISION OF THE STUDY AREA FOR WATER SUPPLY PLANNING

	Division of Western Capital Area for Water Supply Planning (sq.km)		Sub-division of Western Capital Area (sq.km)	
	Hashtgerd	1,350	Mountainous Area	570
			Plain	780
	Karaj	2,370	Mountainous Area	1,430
			Plain	940
	Tehran City	530	Mountainous Area	-
			Plain	530
	Tehran	2,150	Mountainous Area	860
			Plain	1,290
	Total	6,400	Mountainous Area	2,860
			Plain	3,540

LEGEND

Color	Elevation
Green	G.L. , EL. 1,500 m
Yellow	1,500 m < G.L. < EL. 2,000 m
Dark Green	2,000 m < G.L. < EL. 2,500 m
Orange	2,500 m < G.L. < EL. 3,000 m
Pink	3,000 m < G.L. < EL. 3,500 m
Blue	3,500 m < G.L. < EL. 4,000 m
White	4,000 m < G.L.

DIVISION OF STUDY AREA

No.	The Study Area	Area (km^2)
①	Shah Rud River Basin at Siahdasht	2,445
②	Qazvin Area	7,255
③	Hashtgerd	1,350
④	Karaj	2,370
⑤	Tehran City	530
⑥	Tehran	2,150
	Total	16,100

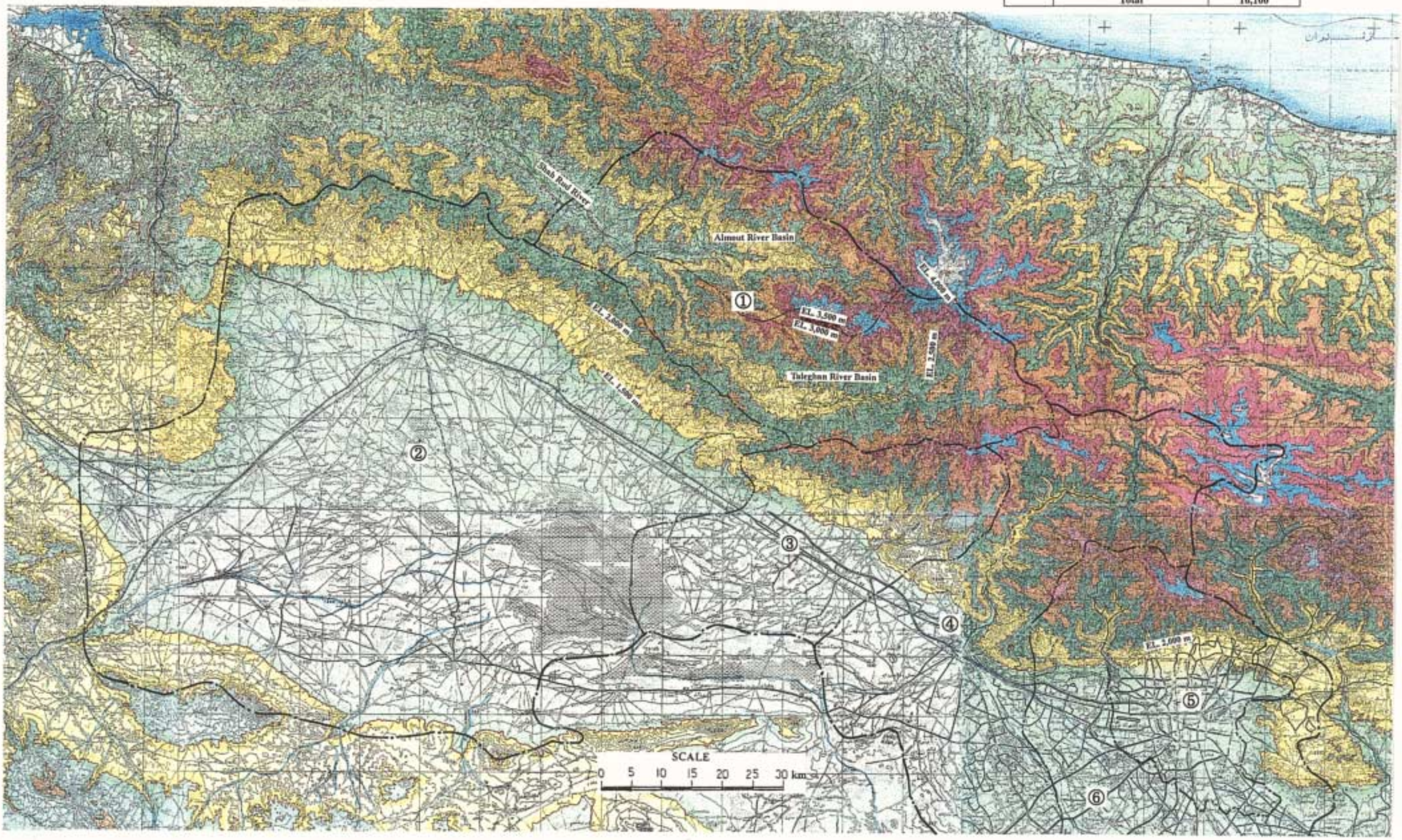
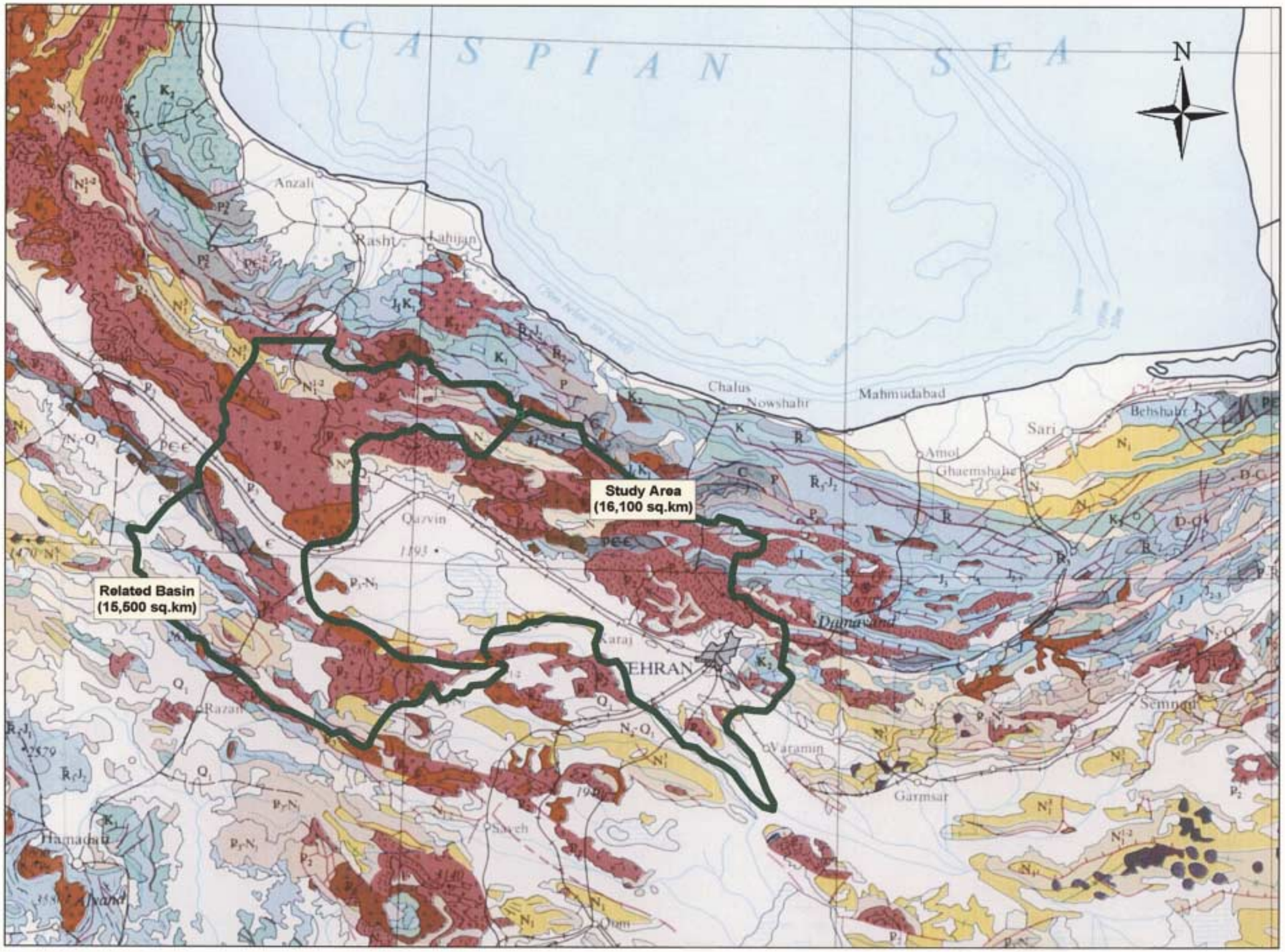


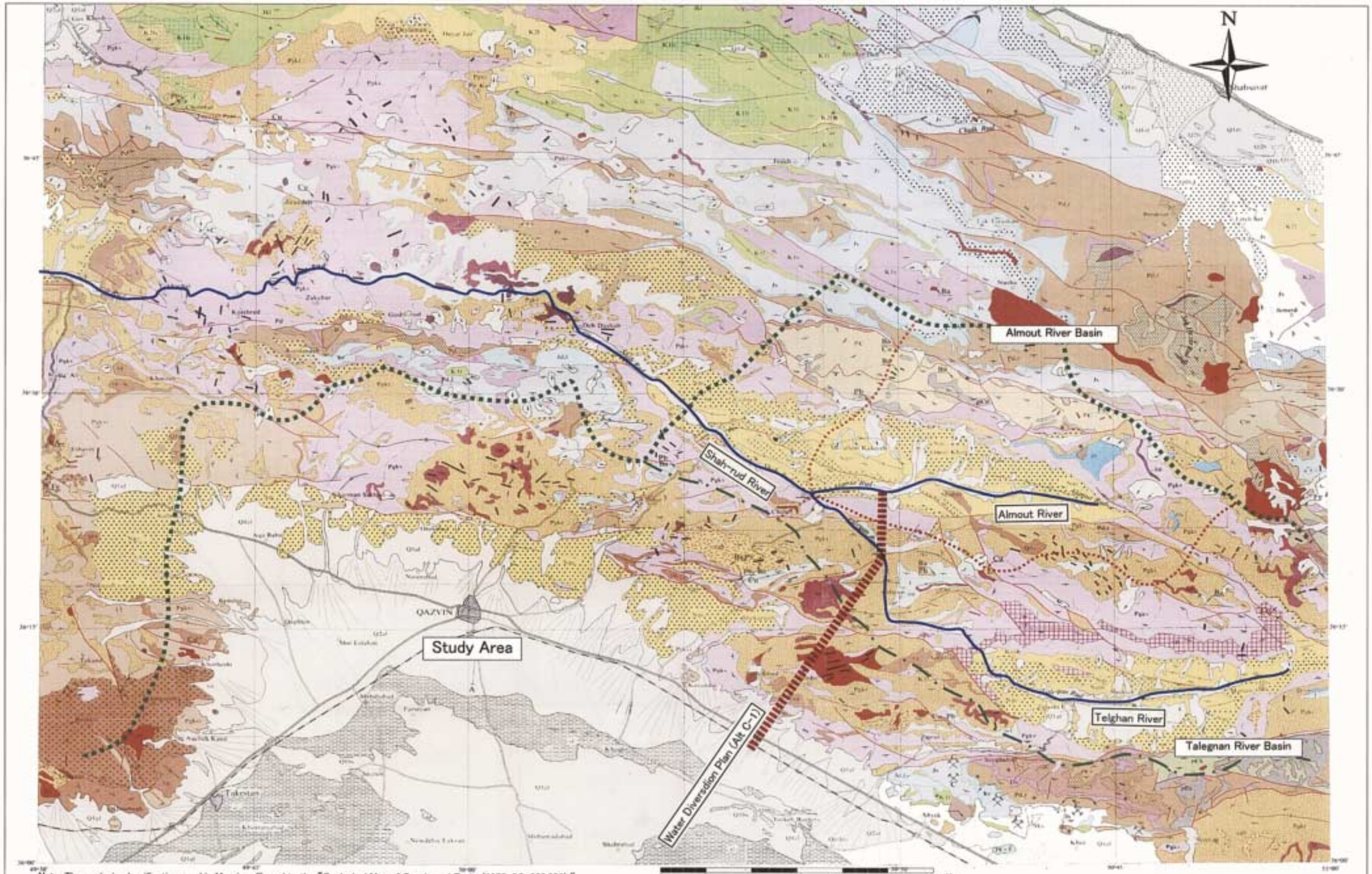
Figure 2.2.1.1 Topographic Conditions



Note: The geologic classification used in Map is refferred to the "Geological Map of Iran (1989, SC=2,500,000) " prepared by Geoogical Survey of Iran

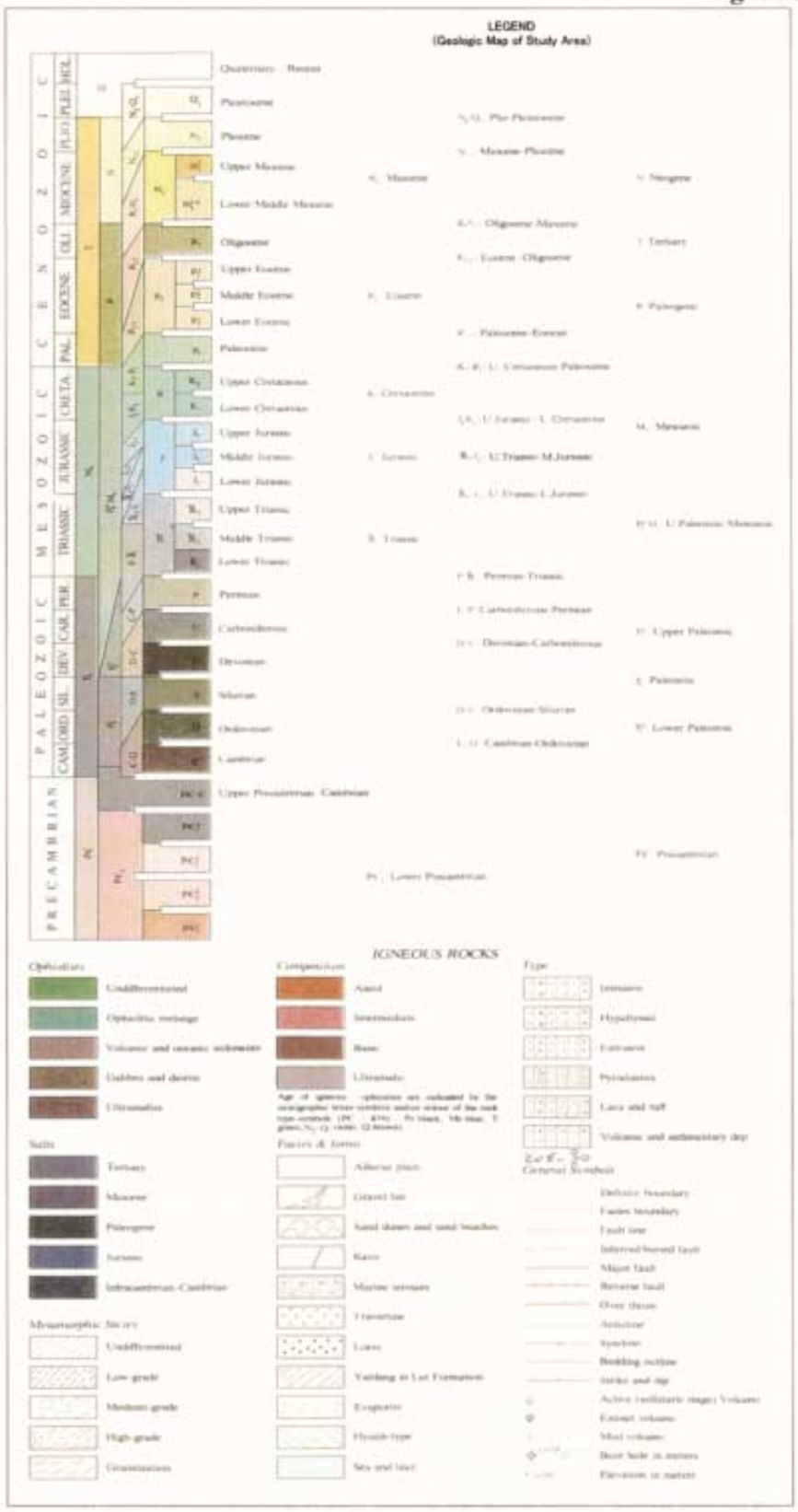
Figure 2.2.2.1 Geologic Map of the Study Area

Figure 2.2.2.2 Geologic Map of Taleghan-Almout Basin



Note: The geologic classification used in Map is refferred to the "Geological Map of Qazvin and Rasht (1975, SC=250,000)" prepared by Geoogical Survey of Iran

Figure 2.2.2.3 Legend of Geologic Map



Note: The geologic classification used in Legend are refferred to the "Geological map of Iran(1989, sc=1:2,500,000)" and "Geological Map of Qazvin and Rasht (1975, SC=250,000) prepared by Geoogical Survey of Iran