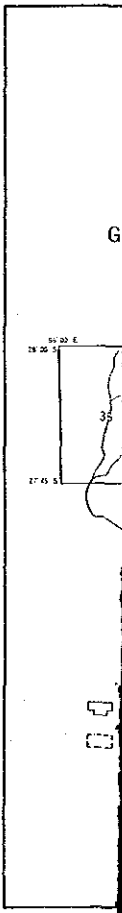
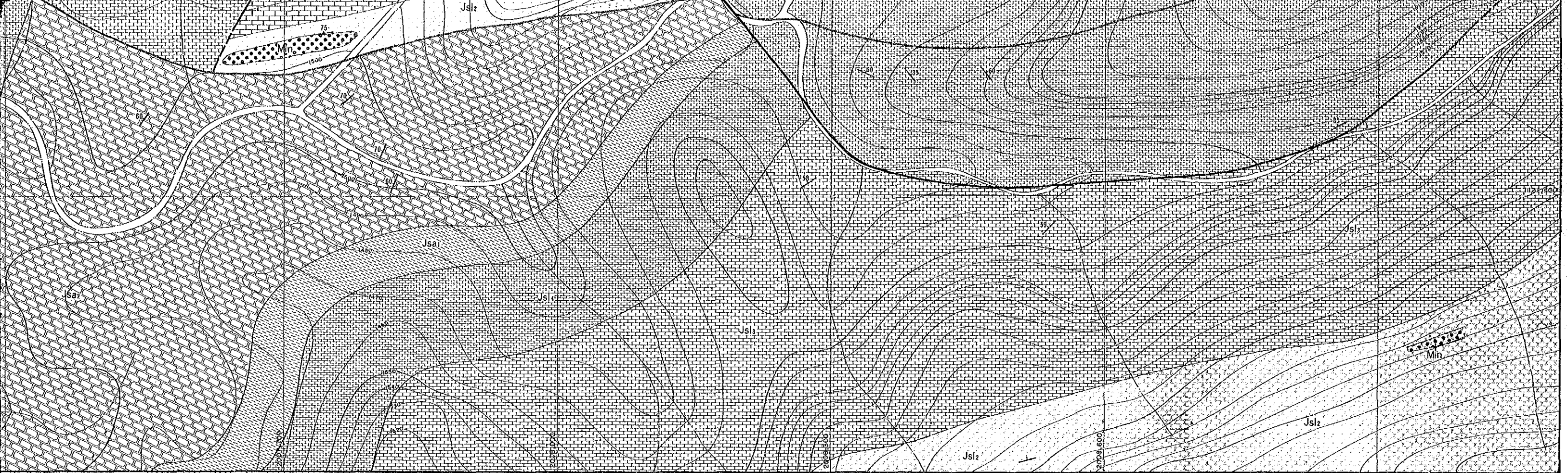


LEGEND

Age	Formation	Member	Unit	Lithological description	
QUATERNARY			Q	Alluvium/Colluvium	
LOWER JURASSIC	Anjira		Jsa ₃	Bedded limestone	
			Jsa ₂	Interbedded limestone and shale. Limestone thin bedded having ammonite fossils.	
			Jsa ₁	Interbedded limestone and shale. Limestone thin to thick bedded contains ammonites.	
	Shirinab	Lorali		Jsl ₄	Limestone grey, thick to massive, mottled with a zone or thin interbedded limestone and shale.
				Jsl ₃	Limestone and shale interbedded. Limestone dark grey, thin to medium bedded, mottled, fossiliferous.
			Jsl ₂	Limestone with very minor shale. Limestone grey thick to massive with some oolitic beds. (Is changed to gossan where replaced by mineralizing solutions)	
			Jsl ₁	Interbedded limestone and shale with minor marl. Limestone grey, thin bedded, mottled and oolitic occasionally. Shale of black colour.	
	Spingwar		Jss	Interbedded sandstone and shale	
			Min	Mineralization	
			Dip (Normal)		
			Dip (Overturned)		
			Anticline		
			Syncline		
			Fault		
			Bedding traces		
			A Profile line		





LEGEND

Age	Formation	Member	Unit	Lithological description	
QUATERNARY			Q	Alluvium/Deluvium	
			Min	Mineralization	
LOWER JURASSIC	Anjira		Jsa2	Bedded limestone	
			Jsa1	Interbedded limestone and shale. Limestone thin bedded having ammonite fossils.	
			Jsa	Interbedded limestone and shale. Limestone thin to thick bedded contains ammonites.	
	Spirinab	Loralai		Jsl1	Limestone grey, thick to massive, mottled with a zone or thin interbedded limestone and shale.
				Jsl2	Limestone and shale interbedded. Limestone dark grey, thin to medium bedded, mottled, fossiliferous.
				Jsl3	Limestone with very minor shale. Limestone grey thick to massive with some oolitic beds. (Is changed to gossan where replaced by mineralizing solutions)
			Jsl	Interbedded limestone and shale with minor marl. Limestone grey, thin bedded, mottled and oolitic occasionally. Shale of black colour.	
			Spingwar	Jss	Interbedded sandstone and shale

Dip (Normal)
 Dip (Overturned)
 Anticline
 Syncline
 Fault
 Bedding traces
 A—A Profile line

国際協力基金団
 17世223
 国産燃料研究会

REPORT ON THE COOPERATIVE MINERAL EXPLORATION
IN
KHUZDAR AREA OF BALUCHISTAN
IN
THE ISLAMIC REPUBLIC OF PAKISTAN
PHASE I
GEOLOGICAL MAP OF SURMAI SURVEY AREA
(SURMAI-III)

MAY - 1987
 JAPAN INTERNATIONAL COOPERATION AGENCY
 METAL MINING AGENCY OF JAPAN

1 : 2,000