



Keywords: Siltation; Landslides; Jaydar; Dams; Pollution; P-D; G...

The article discusses the siltation and landslide issues in the Jaydar region. It mentions the impact of siltation on the dam's efficiency and the need for regular maintenance. The text also touches upon the environmental and social consequences of such incidents.

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Abstract

The article discusses the siltation and landslide issues in the Jaydar region. It mentions the impact of siltation on the dam's efficiency and the need for regular maintenance. The text also touches upon the environmental and social consequences of such incidents.

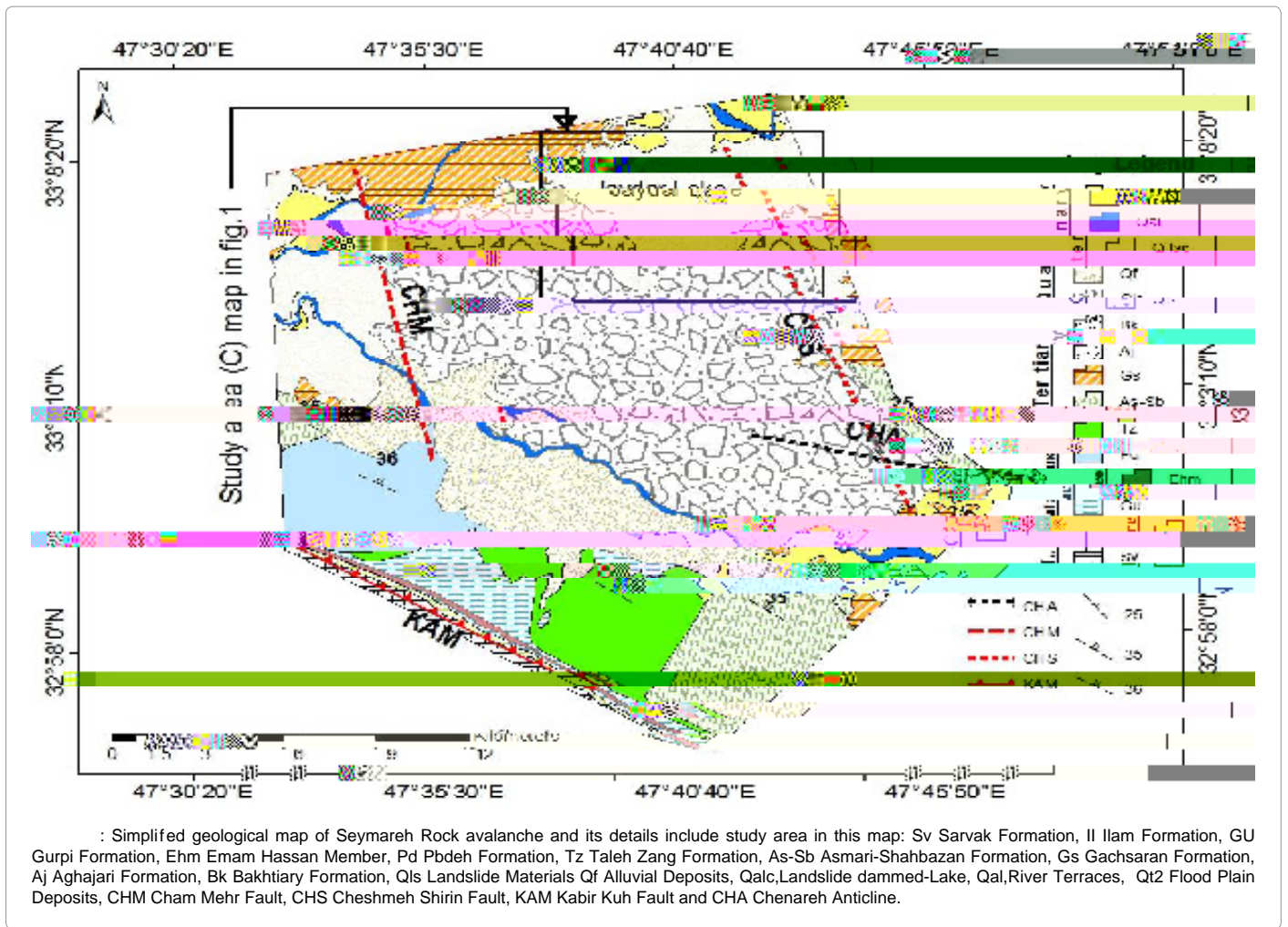
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area of 7 km². The lake is situated in the
Kajaki Dam area. The lake is situated in the
14,15. A lake is situated in the area of
NE Kajaki Dam. The lake is situated in the
area of 350 km². The lake is situated in the
area of 20 km². The lake is situated in the
area of 166 km² (Figure 3). A lake is situated in the
area of NE Kajaki Dam. The lake is situated in the
area of 10037 km². The lake is situated in the
area of 16-22 km². The lake is situated in the
area of 23 km². The lake is situated in the
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area of P-D.



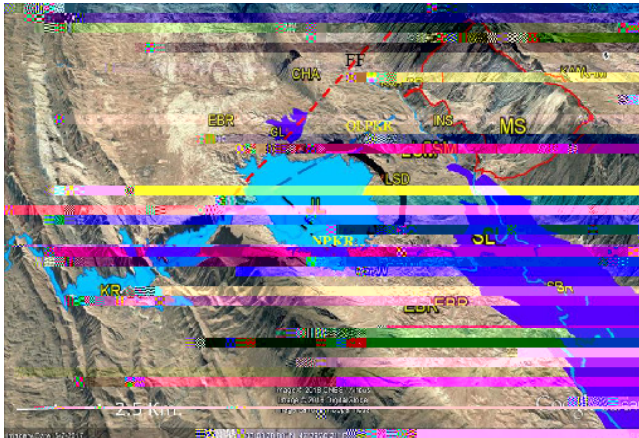
: Simplified geological map of Seymareh Rock avalanche and its details include study area in this map: Sv Sarvak Formation, Il Ilam Formation, GU Gurpi Formation, Ehm Emam Hassan Member, Pd Pbdeh Formation, Tz Taleh Zang Formation, As-Sb Asmari-Shahbazan Formation, Gs Gachsaran Formation, Aj Aghajari Formation, Bk Bakhtiary Formation, Qls Landslide Materials, Qf Alluvial Deposits, Qalc Landslide dammed-Lake, Qal River Terraces, Qt2 Flood Plain Deposits, CHM Cham Mehr Fault, CHS Cheshmeh Shirin Fault, KAM Kabir Kuh Fault and CHA Chenareh Anticline.

In this study, a DEM was generated from IRS-P5 satellite data using ENI software. The DEM was then processed using GIS and CAD software to generate a landslide inventory map. The map shows the location of the landslide lake and its surrounding area. The map also shows the geological formations and faults in the area. The map is a simplified geological map of the Seymareh Rock avalanche and its details. The map includes a coordinate grid, a scale bar, and a legend.

The study area is located in the north of the city of Jaydar. The area is bounded by the coordinates 47°30'20"E to 47°45'50"E and 32°58'00"N to 33°0'20"N. The area is characterized by a complex geological structure. The area is bounded by the coordinates 47°30'20"E to 47°45'50"E and 32°58'00"N to 33°0'20"N. The area is characterized by a complex geological structure. The area is bounded by the coordinates 47°30'20"E to 47°45'50"E and 32°58'00"N to 33°0'20"N. The area is characterized by a complex geological structure.

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The location of the dams, landslide-dammed lakes and main scarp of Seymareh rockavalanch. Geomorphological units are delineated and described in Figure: KR Kashkan River, MKA Maleh Kouh anticline, JL Jaydar lake, EBR evaporates bed rock(Gs)(Gachsaran Fm.), SPW spill way of Jaydar lake, OLPKR old path of Kashkan River, NPKR new path of Kashkan river, GL Gori Balmak lake, CHA Chenareh anticline, SR, Seymareh River, SL Seymareh lake, FF strike slip fault, LSD landslide dam, LSM landslide materials(Qls), KAM Kabir Kuh anticline, INS in situ segments, KAR Karkheh River and MS main scarp.

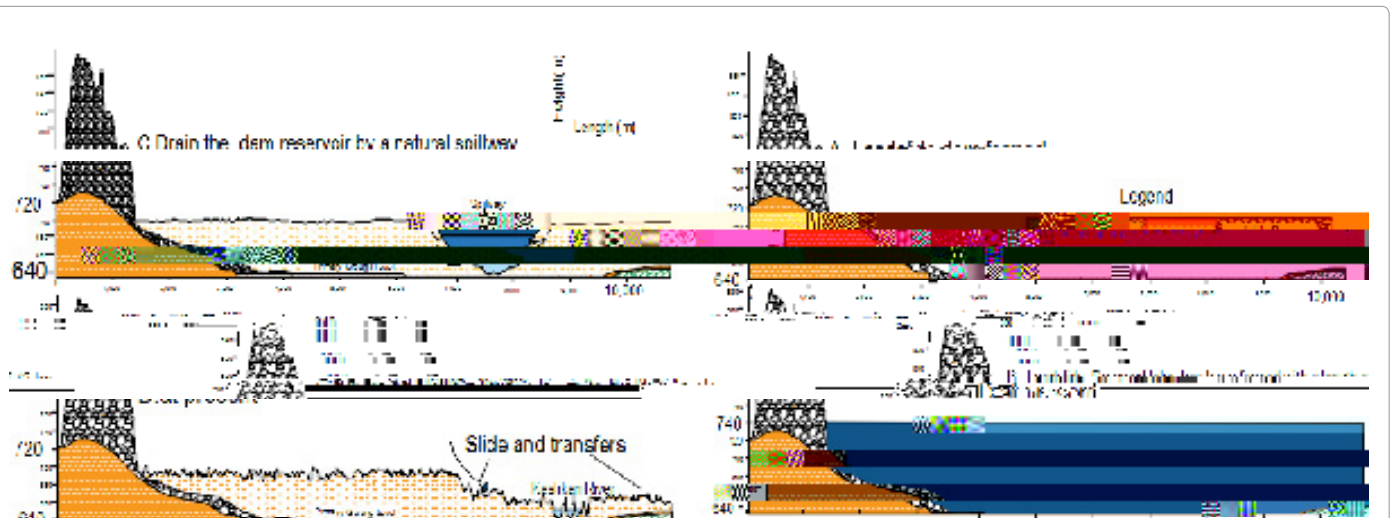
Length of dam	11000 m
Width of dam	2000 m
Height of dam from the spillway bottom	80 m
Height of dam from the bed rock	140 m
Length of the dam lake	36000 m
Height of dam m.a.s.l	821 m
Volume of the dam reservoir	3860 mm ³
Area of the dam lake	65 km ²
Catchment area	9175 km ²

*All the dimensions are approximate.

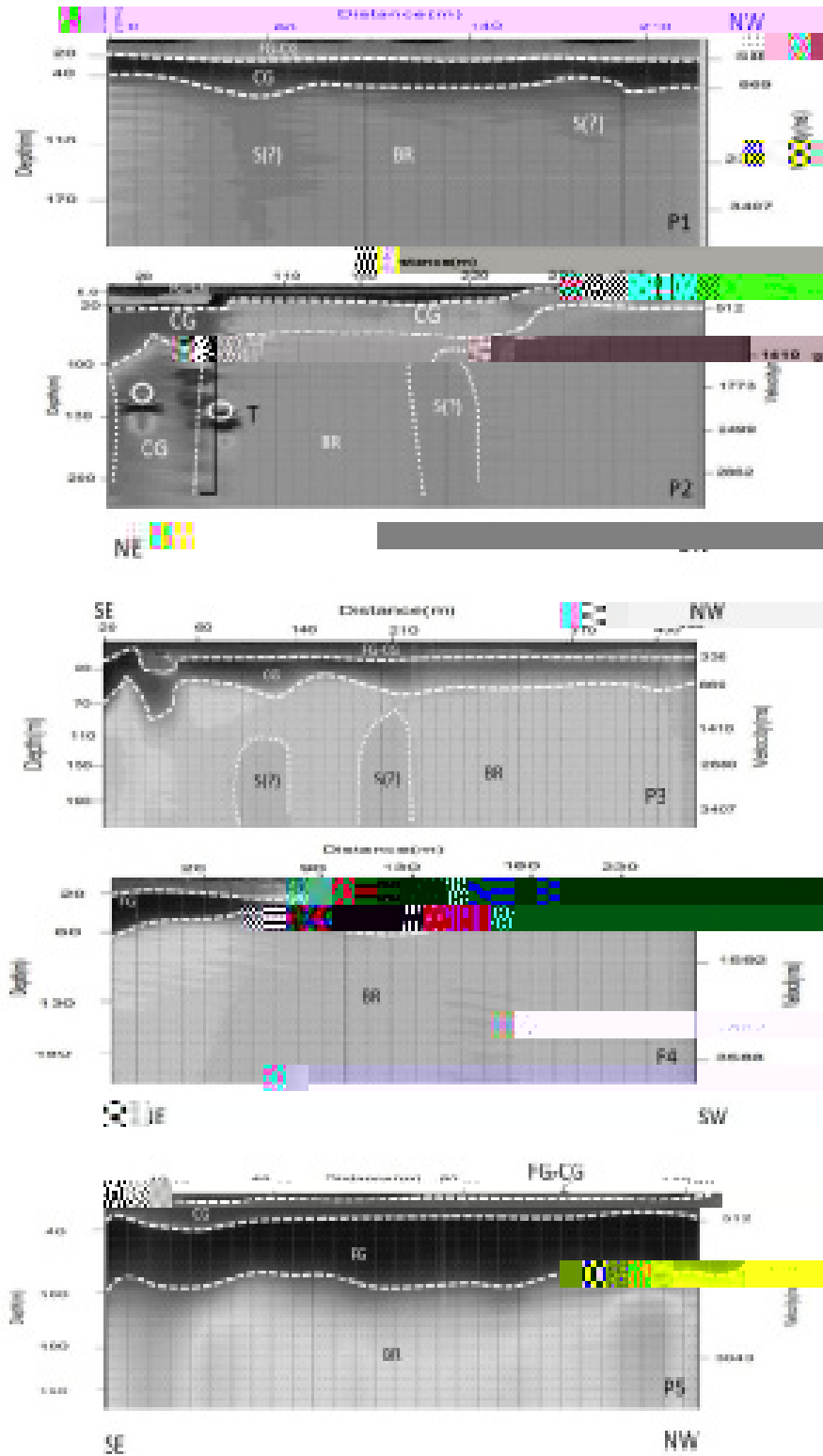
Dimensions of the landslide dam and its vicinity.

Seymareh rockavalanch is a large-scale geological event that has significantly impacted the region. The landslide dammed the Kashkan River, creating a large reservoir. The dam is approximately 12900 m long and 2000 m wide. The reservoir has a surface area of 67500 m² and a volume of 3860 mm³. The dam is situated on a main scarp of the Seymareh rockavalanch. The dam is 12.5 km long and 19% of the total length of the scarp. The dam is situated on a main scarp of the Seymareh rockavalanch. The dam is 12.5 km long and 19% of the total length of the scarp. The dam is situated on a main scarp of the Seymareh rockavalanch. The dam is 12.5 km long and 19% of the total length of the scarp.

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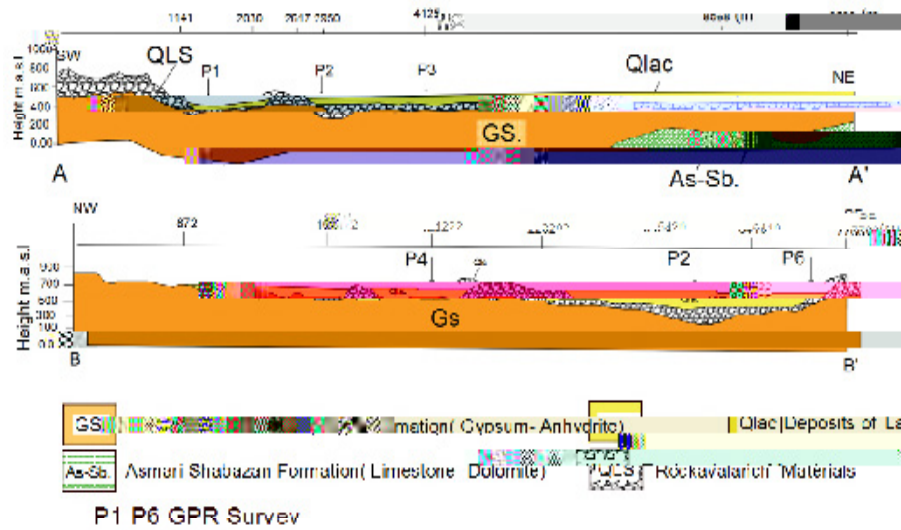


How forming the Jaydar dam and related lake (A) creation of the dam, due to the Seymareh rock avalanche, (B) Creating Dam Lake, (C) Sedimentation in the reservoir, formation of natural spillway and reservoir evacuation and (D) Current location of the Jaydar plain and current route of the Kashkan River.



Processed and interpreted radargrams showing different features of study area. FG-CG: Fine grain size with interbed coarse grain size, CG-FG: Coarse grain size with interbed fine grain size, FG: Fine grain size layer, CG: Coarse grain size layer, BR: Bedrock, S (?): Properly Solution signs, Zone of T: Old path of drainages and O signs in P2 radargram are Air reflections.

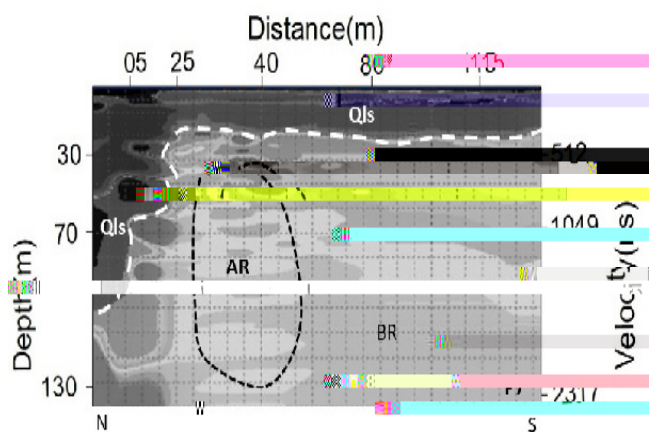
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متر ارتفاع از سطح دریا، در استان آذربایجان غربی، 1072-2202
AA. در این مقاله، با استفاده از روش‌های مختلف، در این
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ایستگاه ژئوگرافیک 4K، در استان آذربایجان غربی، در
ایستگاه ژئوگرافیک 70، در استان آذربایجان غربی، در
ایستگاه ژئوگرافیک P2، در استان آذربایجان غربی، در
ایستگاه ژئوگرافیک 120، در استان آذربایجان غربی، در
ایستگاه ژئوگرافیک Jaydar، در استان آذربایجان غربی، در



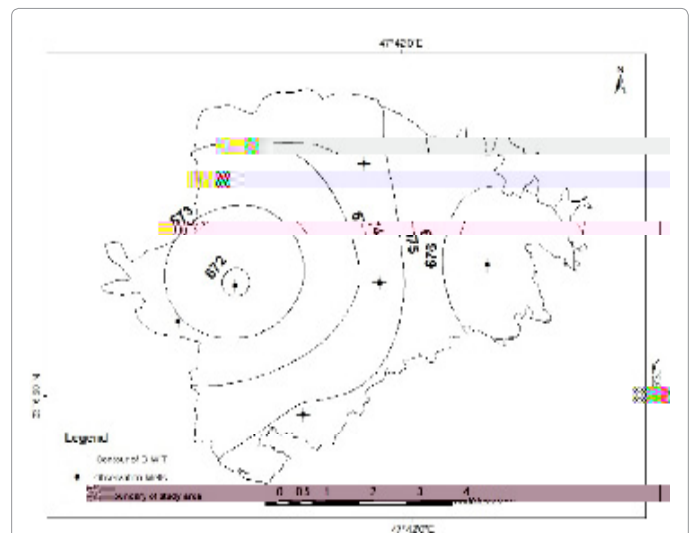
: Longitudinal cross-sections of engineering geology obtained from the GPR method.



The most important geomorphologic forms of bedrock in the study area are (A) Karstic caves (B) vertical galleries and (C) Sinkhole.



This radargram shows a valley with a depth of more than 100 m west of the Quebec wetlands south of the study. Details of the photo Qls Rockavalanch materials, AR Air reflections and BR Bedrock.



Groundwater table map in study area.

		Φ		
1	47°41 01	33°07 35	673	14
2	47°39 02	33°07 33	668	22
3	4741 21	33°09 00	675	25
4	47°40 20	33°06 53	677	20
5	47°43 55	33°07 39	680	24

: Characteristics of piezometer in study area.2

... 2058 K⁻², a ... 12.8% ...
... The ...
... Ga ...
... Mi ... The ...
... CaSO₄·2H₂O in Jay ... 3%
... J ... Ka ... 18.4% in Jay ... Pa ...
... E ...
... Jay ... Pa ...

In ... 10

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