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Summary This submission documents the geochemical characteristics of oil samples recovered from the Athena Oilfield in the Jura Basin of the U.K. sector of the Central North Sea. The oil shows geochemical characteristics which are atypical of other North Sea oils and which suggests expulsion from a carbonate-rich facies of the Kimmeridge Clay Formation which, to date has gone undocumented in ...

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The Jura Mountains are a sub-alpine mountain range a short distance north of the Western Alps and mainly demarcate a long part of the French-Swiss border. The east of the range separates the Rhine and Rhône basins. The west solely relates to the Rhône, however on the north side drains via the river Doubs which is a sub-tributary of the Rhône, flowing about 100 kilometres east and later requiring the valley of the Saône, south to the French city of Lyon where both parts of the river ...

*Jura Mountains - Wikipedia*  
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*Jura's Remarkable Geology*. Excepting the low-lying areas of the east coast, which mainly consist of Scarba conglomerate and Port Ellen phyllites, the isle of Jura is largely formed of Jura quartzite, a metamorphic rock which has its origins in the late Pre-Cambrian or Dalradian age. The predomination of quartzite is most apparent amid the Paps and the ridges in the island's north-west.

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The Swiss Alps form the central part of the entire alpine belt, which extends from Nice on the Mediterranean to Vienna. The high peaks and glaciers are characteristic of the Central Alps, which are made up of sedimentary, crystalline and metamorphic rocks (more information on these rocks and the rock cycle: link). Many of the summits are still pointed and sharp-edged as they were neither covered by ice nor eroded by it during the ice ages.

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It probably formed by a combination of marine and cold-climate shore processes during successive glacial periods at

times when the margin of the Scottish ice sheet lay to the east of Jura. The seaward edge of the High Rock Platform is cut by the backing cliff (10-15m high) of the Main Rock Platform, which forms a prominent feature along much of the coast.

~~West coast of Jura—Scotland—the home of geology~~

Alternative Title: Jura. Jura Mountains, also called Jura, system of ranges extending for 225 miles (360 km) in an arc on both sides of the Franco-Swiss border from the Rhône River to the Rhine. It lies mostly in Switzerland, but a good part of the western sector lies in France. The highest peaks of the Jura are in the south, in the Geneva area, and include Crêt de la Neige (5,636 feet [1,718 m]) and Le Reculet (5,633 feet [1,717 m]), both in France, and Mount Tendre and La Dôle, both ...

~~Jura Mountains | mountain range, Europe | Britannica~~

The Chain Jura, defined by Bertrand (1885) in the Central Jura, appears to be present along the entire concave border of the Jura facing the Alps. Its characteristic anticlinal ridges and broad synclinal valleys clearly correlate with the form of the Eastern Ranges (and the eastern part of Bas-Bugey) in the region described here.

~~The geology of the southern French Jura—ScienceDirect~~

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Main article: Massif Central (geology)  
The geographic region of the Massif Central coincides with the geologic region with the same name. It is part of the Variscan orogenic cycle. It was also a region of active volcanism during the Cenozoic.

~~Geology of France—Wikipedia~~

The Jura Mountains are a small mountain range located north of the Alps, separating the Rhine and Rhone rivers and forming part of the watershed of each. The mountain range as defined by Johann Gottfried Ebel is located in France, Switzerland, and Germany.

~~Jura Mountains~~

The Massif Central is a high region in south-central France. It has mountains and plateaux. it covers 15% of the country. The geological history of the massif is complicated. It is ancient, and many things have happened to it. Many extinct volcanos can be found there. It has the largest concentration in the world with 450 volcanos.

~~Massif Central—Simple English Wikipedia, the free ...~~

The Jura-Triassic arc belt consists of a Paleozoic basement of disrupted ophiolite, serpentinite mélange, and ultramafic rocks overlain by uppermost Triassic—Early Jurassic arc volcanics and coeval 200 Ma intrusive rocks. This belt may comprise several small terranes.

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#### ~~The Geology of Central Europe: Mesozoic and cenozoic ...~~

The width of the belt between these margins is 145 to 180 km, average 160 km (Alps alone) or 170 to 250 km,

average 220 km (Alps and Jura). Zones: The chain is described in terms of the traditional six structural zones, from north to south: Jura Mountains—Mesozoic platform rocks with mid-Tertiary molasse.

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