

IODP Exp.337 下北沖石炭層地下生命圏掘削で採取された掘削コアの岩相と全岩化学分析
Lithology and XRF analysis data at drilled Site C0020 off the Shimokita Peninsula, IODP Exp. 337

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Marine subsurface hydrocarbon reservoirs and the associated microbial life in continental margin sediments are among the least characterized Earth systems that can be accessed by scientific ocean drilling. We penetrated a 2,466 m-deep sediment sequence with a series of coal layers around 2 km below the seafloor. Here, we present the 160 XRF data and lithology of sediments and paleoenvironments from drilling Site C0020, IODP Expedition 337. We defined four different lithologic units present in Site C0020. The succession of lithofacies at Hole C0020A also provides insight into the evolution of depositional environments in this region.

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