Report of the Geological Survey of Hokkaido, No. 73, 205-208, 2002
The 3.5kHz Sub Bottom Profiling had been carried out in Saroma-ko lagoon. From the acoustic profile record and the contrast with sediment cores, all the amount of pelitic sediments in Saroma-ko lagoon was calculated from sedimentation thickness above the ash layer (Ta-a), past about 260 years. The calculated value of sediments was about 30,000,000m³ and weight was 17Tg.

Investigation of shoreline transition on Hamayuchi coast by map, aerial photographs and shoreline measurement [JE]
by Sei‘ichi Hamada and Kazuya Suga
Hamayuchi sandy coast faced to Japan Sea is located in the north part of Hokkaido prefecture. Shoreline has a bowed shape as a whole. Coastal erosion on the backshore and sand-dune of the coast has become remarkable after 1990. In this paper, we report the shoreline changes in Hamayuchi coast by using old maps of 1898 and 1923, aerial photographs in 1947 to 1994 and topographic survey in 1999 to 2001.
Trends of shoreline change in the coast are as follows
(1) From the viewpoint of total trend, Hamayuchi sandy coast has been eroded since 1923, and average eroding rate of the total coastline is estimated at 0.64m/year.
(2) As a result of our shoreline surveys in 1999 to 2001, average erosion rate of the total coastline is 0.61 m/year.
(3) Especially, center part of the bowed shape coast around Kouhone swamp has been eroded strictly. In the eroded area, old sand dune was eroded and the sea cliffs are formed by storm wave. The sea cliffs have shifted 5-50m to landward during May 1999 to October 2001. On the other hand, around Bakkai port and Yukuru, sand has deposited.
(4) Survey area of water depth sounding is off 10-1000m from the shoreline, and interval of the survey lines is 500m. By the sounding, bottom in the center part of the coast has been eroded and its slope is steep. Eroding sand volume in the coastal sea floor from Bakkai to Yukuru is estimated at 907,000m³/year.

Neotechtonics
Active faults along the Western margin of the Muikamachi Basin, Central Japan [JE]
by Kim, Haeng Yoong
The Muikamachi basin, in the central Japan (length: ca. 40 km, width: ca. 5 km, strike: NNE-SSW), is a depression along the northward-flowing Uono River. The western margin of the basin is bounded by a straight scarp with the Uonuma Hills up to ca. 1,000 m high, underlain by the