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## PETROGRAPHIC DESCRIPTIONS OF ROCKS FROM PORT DAVEY

by G. EVERARD

### 1. From Pebbly Beach

Light-grey, fine grained, sheared rock exhibiting faint banding. Minute shining flakes of mica are visible on cleaved surfaces, and the rock is soft and slightly friable.

In thin section a fairly uniform granular texture is given by grains of quartz and felspar .01 to .02 mm. across. The felspar grains tend to be elongated in a constant direction. The most prominent mineral is sericite, in aligned masses of minute flakes, which have a cloudy appearance due to close spacing of fine cleavage lines. Biotite is fairly common in scattered irregular masses of small flakes.

The rock is an arkositic greywacke.

### 2. From Pebbly Beach

Pale greyish-brown weathered, showing shearing and banding.

In thin section strong lineation is shown by bands of sericite and lesser biotite enclosing granoblastic quartz and felspar elongated in the shearing direction.

### 3. From Woody Island

Pale-brown, fine grained sheared weathered rock, with shining flakes of mica on cleaved surfaces. The rock is finely banded and the bands are somewhat disturbed. One side of the specimen is slickensided.

In thin section the specimen is a mass of equidimensional grains of quartz and felspar up to .04 mm. across. The section is rendered cloudy by irregular masses of sericite which include the grains of quartz and felspar, and are stained brown by oxides of iron.

The rock is a more weathered and slightly coarser grained variant of No. 1.