

## AGNEVO DISTRICT

On the coast, to the north of the mouth of the Agnevo river, fairly good coal is found in lower Tertiary rocks, but probably has not a commercial value as the Tertiary is replaced within a short distance to the east by the Cretaceous. Eight miles farther up the Agnevo river, near the village of Vladimirovka, the Cretaceous rocks are replaced by lower Tertiary deposits of the Douai horizon and to the north of the village a series of coal-beds occur in the Tertiary, containing five thick coal-seams which, from their analyses, are considered to be the best in Sakhalien.

Although this area has not been thoroughly examined it can be said of it that its reserve is very large.

## DISTRICT OF RUDNIK

The principal mines in Sakhalien are to be found on the west coast, between Cape Rogati and Little Surtunai river; they include the Douai, Alexandrovski, Vladimirovski and M'gatchinski mines.

The Douai coal series, of Tertiary age, appears twice, in exposures on the shore: near Cape Spassioni and in the Ogorodnaya valley. Mining Engineer Kappen counted in the Douai series four workable seams with an aggregate thickness of 13 feet (4 metres). P. I. Polevoy considers that this series consists of six seams, the thicknesses of which vary from 3 feet 3 inches to 7 feet 7 inches (1 m. and 2 m. 50). At the Douai mine in the Voyvodskaya valley, two seams are being worked, the upper has a thickness of 2.25 m. to 2.50 m. and the lower is from 2 m. to 2.25 m. thick. The seams are separated by 4.50 metres of compact sandstone. The beds dip to the N.E. at 20°.

The Alexandrovski mine is situated on the left slope of the Great Alexandrovka valley, not far from its mouth. Five seams with the following thicknesses have been worked:

Upper, 1 m.; No. 2, 1.50 m.; No. 3, 1 m.; Double, 1.50 m.; Arshin, 0.70 m.

The Vladimirovski and M'Gatch mines are working the same group of seams. In the Vladimirovski mine, according to Kalistoff, eight workable seams are found, dipping to the E.N.E. at about 45°. The thicknesses of the principal seams are as follows:

Kupzofsky, 2.10 m.; Alexis, 0.85 m. to 1.50 m.; Nicholas, 0.65 m. to 0.85 m.; Ordinary, 0.65 m. to 1.30 m.; Double 2.10 m. to 3.20 m.; Gas, 1 m. 70 m.

In the M'Gatch mine the following five seams have been worked:

Novy, 2.10 m.; No. 3, 2.10 m.; Ordinary, 1 m. to 1.25 m.; Double, 2.70 m.; Gas, 1 m.

## TANGI AND HOY

On the Great Tangi river, about eight miles and a half from its mouth, on the left bank, a series of rocks is found which consists of clay-slate with coal-seams, one of which is 5 feet 6 inches in thickness. On the Hoy river, in several places, several seams of coal, of thicknesses ranging from 6 inches to 4 feet, occur in Tertiary rocks. From the north of the Hoy to Wandu bay two coal-bearing series occur; in the upper one a seam of lignite-like coal about 8 feet 6 inches thick was found; the seams of the lower series are unimportant.