

## THE KHABAROVSKI BROWN-COAL AREA

Small outliers of Tertiary deposits are found near the town of Khabarovsk, on the right bank of the Amour river, overlying eroded Palaeozoic rocks; they consist of sands, clays and gravels. In this series as many as ten lenticular seams of brown-coal, in places 4 to 5 feet thick, have been found.

Owing to the small size of the area occupied by these sediments the coal has a local importance only.

Localities in the Premroski region where coal occurs, but where the beds have not been described owing to the absence of detailed information:

1. The Strait of Strelak.
2. Putiatin Island.
3. The Shaudemi river, twelve miles north of Vladimír-Alexandrovskaya village.
4. Askold Island.
5. Cape Nizmenni, at the south-west extremity of the Gulf of St. Olga.
6. Six miles from the Gulf of De-Kastri.
7. The shore of the sea of Okhotsk, near Cape Magdjalinda.
8. The Polovinaya river, where seams up to 3 feet in thickness occur.
9. Guljiguinskaya creek.
10. Taigonos peninsula on the left bank of the Obvenovka river where lignite seams from 3 to 1 feet thick are found.
11. The valley of the Chaibuka, where brown-coal seams up to 3 feet in thickness are interbedded with light grey sandstones.
12. The shore of the Gulf of Guljiguinski to the south of the mouth of Chaibuka river, where six seams of coal with thicknesses of from 2 to 3 feet have been discovered.
13. Podkagernaya creek (61° 15' north latitude) on the shore of Penjenskaya Bay.
14. The Gulf of Baron Kolf.
15. Cape Govenski.
16. On the sea-shore near Cape Tupitak, to the south of Kinkim.
17. On the high south bank of the Tigil river on the west coast of Kamtchatka. Two groups of coal-seams were discovered at this point; the individual seams, each having a thickness of about 1 foot are separated from each other by thin seams of marly-clay. Each group consists of four or five seams of brown-coal and the two groups are separated by a soft, grey clay about 5 or 6 feet thick.
18. On the Tigil river, above the mouth of the Kolgatz river, coal-seams of a thickness up to 1 foot are interbedded with sandstones and clays.
19. Not far from the mouth of the river Ettolakan, in cliffs on the seashore, outcrops of four horizontal seams of brown-coal have been noted, one of which has a thickness of 4 feet.
20. On the Palan river, above Lake Palan, brown-coal is found.
21. Near Lesnovskaya village brown-coal occurs.
22. On the right bank of the Zaitchik river two seams of brown-coal with a thickness up to 2 feet occur.
23. On the Kavran river brown-coal occurs in a seam about 2 feet 6 inches thick.
24. Near Koltonovo a seam of brown-coal of a thickness up to 3 feet has been discovered.
25. Near the mouth of the river Anadir.