Table. 3**. Catalog heat flow of the north–east of Russia**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Areas, well number (if any) | Northern latitude (degree) | Longitude (degree) | Heat flow (mWt/m2)) | Т0C 5000 m  | References |
| Agylki | 64.42 | 137.33E | 49 | 120 | [Nekrasov, Devyatkin, 1974] |
| Adychansky, 111 | 68.03 | 135.58E | 78 | 99 | [Balobaev, Devyatkin, 1982] |
| Akulinchan | 65.50 | 144.67E | 36 | 68 | [Vasilyev, Dorofeev, 1978] |
| Almazny, 514 | 62.45 | 114.33E | 19 | 24 | [Balobaev, Devyatkin, 1982] |
| Аlyaskitovyi | 64.82 | 141.17E | 63 | 120 | [Nekrasov, Devyatkin, 1974] |
| Alys-Khaya | 65.83 | 135.50E | 67 | 98 | [Devyatkin, 1975] |
| Amga, 2 | 60.67 | 131.58E | 50 | 90 | [Devyatkin, 1975] |
| Anadyr,1,21 | 64.40 | 176.53E | 56 | 159 | [Thermophysical…,1983] |
| Anadyr,2 | 63.77 | 176.98E | 55 | 150 | [Vaynblat, Skakun, 1983] |
| Anolsky, 30 | 62.30 | 175.58E | 46 | 83 | [Geothermal Atlas…,2014] |
| Arkagalinsky, 18 | 63.17 | 147.43E | 66 | 158 | [Balobaev, Devyatkin, 1982] |
| Artyk | 64.20 | 145.17E | 55 | 108 | [Kalabin, 1960] |
| Badaransky, 4 | 63.67 | 126.92E | 43 | 68 | [Geothermal Atlas…,2014] |
| Balagachinsky, 2  | 64.33 | 123.00E | 52 | 140 | [Devyatkin, 1995] |
| Batagay, 3 | 67.67 | 134.75E | 60 | 93 | [Devyatkin, 1973] |
| Bakhynay, 1 | 66.00 | 123.92E | 50 | 100 | [Devyatkin, 1975] |
| Beregovoy, 12 | 64.33 | 178.52E | 43 | 111 | [Geothermal Atlas…,2014] |
| Beringovsky | 63.17 | 179.17E | 53 | 143 | [Geothermal Atlas…,2014] |
| Bolshie Porogi | 62.17 | 150.75E | 62 | 129 | [Germanov, Klimovskoy,1976] |
| Bordonsky, 3 | 59.58 | 118.67E | 40 | 58 | [Geothermal Atlas…,2014] |
| Buor-Kemyussky, 29б | 65.92 | 149.92E | 52 | 119 | [Dorofeev, 1979] |
| Burgovchan | 65.67 | 135.00Е | 77 | 117 | [Devyatkin, 1975] |
| Valkumey, 12,13 | 69.70 | 170.22Е | 80 | 126 | [Devyatkin, 1993] |
| Vakhrushkinsky, 19 | 65.03 | 177.07Е | 47 | 115 | [Geothermal Atlas…,2014] |
| Verkhne-Telekaisky, 2 | 63.63 | 176.58Е | 80 | 199 | [Geothermal Atlas…,2014] |
| Verkhne-Echinsky, 5 | 63.75 | 176.42Е | 64 | 159 | [Geothermal Atlas…,2014] |
| Verkhne-Echinsky, 6 | 63.67 | 176.33Е | 64 | 162 | [Geothermal Atlas…,2014] |
| Verkhne-Echinsky, 7 | 63.56 | 176.18Е | 68 | 162 | [Geothermal Atlas…,2014] |
| Vetreny, 14 | 61.83 | 150.19Е | 65 | 118 | [Vaynblat, Skakun, 1983] |
| Vilyuisky, 1 | 63.75 | 121.55Е | 44 | 120 | [Devyatkin, 1993] |
| Vostochno-Ozerninsky, 1 | 63.92 | 177.13Е | 68 | 150 | [Vaynblat, Skakun, 1983] |
| Vyazkiy, 23 | 64.12 | 177.55Е | 58 | 153 | [Geothermal Atlas…,2014] |
| Galimy | 62.33 | 156.17Е | 58 | 94 | [Goldman, Sezonenko, 1961] |
| Gastello | 61.51 | 148.00Е | 52 | 106 | [Vaynblat, Skakun, 1983] |
| Grinevetsky, 40 | 65.12 | 171.60E | 68 | 158 | [Hydrogeology of the USSR…, 1972]  |
| Deputatsky, 319 | 69.26 | 139.45Е | 77 | 138 | [Devyatkin, 1975] |
| Dzhardzhan, 1 | 68.82 | 124.25Е | 62 | 130 | [Devyatkin, 1973] |
| Dzhebariki-Khaya | 62.25 | 135.83Е | 33 | 64 | [Kalabin, 1960] |
| Dneprovsky | 62.00 | 152.05Е | 73 | 91 | [Goldman, Sezonenko, 1961] |
| Dukat | 62.58 | 155.42Е | 61 | 84 | [Vaynblat, Skakun, 1983] |
| Dyappalsky, 1 | 71.32 | 126.69Е | 37 | 80 | [Duchkov et al., 2022] |
| Zhatay | 62.15 | 129.85Е | 42 | 90 | [Balobaev, Devyatkin, 1982] |
| Zapadnaya Polyana, 29, 55 | 69.00 | 172.10Е | 72 | 134 | [Vaynblat, Skakun, 1983] |
| Zapadno-Ozernaya, 15 | 63.98 | 176.85Е | 75 | 145 | [Gornov, Glotov, 2014] |
| Zvezdochka | 66.67 | 131.50Е | 75 | 96 | [Balobaev, Devyatkin, 1982] |
| Zyryanka | 65.75 | 150.00Е | 57 | 133 | [Dorofeev, 1979] |
| Izmennyi, 10 | 65.85 | 177.05Е | 75 | 170 | [Geothermal Atlas…,2014] |
| Izmennyi, 11 | 63.83 | 177.33Е | 56 | 148 | [Geothermal Atlas…,2014] |
| Ilin-Tas | 65.92 | 135.67Е | 76 | 113 | [Devyatkin, 1975] |
| Ildikileekh, 13  | 7117 | 134.50Е | 46 | 100 | [Devyatkin, 1993] |
| Innyakh, 1 | 59.67 | 118.52Е | 36 | 58 | [Geothermal Atlas…,2014] |
| Internationalny | 62.42 | 114.92Е | 18 | 22 | [Devyatkin, 1993] |
| Ionaysky, 1 | 62.23 | 175.17Е | 72 | 160 | [Geothermal Atlas…,2014] |
| Kavinsko-Tauisky | 59/72 | 148.25Е | 42 | 141 | [Geothermal Atlas…,2014] |
| Kanyon, 5 | 63,.50 | 151.83Е | 58 | 151 | [Kalabin, 1960] |
| Karamken | 60,.25 | 15113Е | 58 | 151 | [Vaynblat, Skakun, 1983] |
| Kenkeme | 62.08 | 129.00Е | 46 | 100 | [Devyatkin, 1975] |
| Kitchansky, 2Р | 64.42 | 126.25Е | 50 | 80 | [Devyatkin, 1993] |
| Klepka, 8, 23, 35 | 59.47 | 151.00Е | 30 | 92 | [Gornov, 1998] |
| Komsomolsky | 69.16 | 172.75Е | 55 | 109 | [Vaynblat, Skakun, 1983] |
| Korolevsky, 8 | 64.13 | 178.53Е | 74 | 184 | [Geothermal Atlas…,2014] |
| Kular | 70.92 | 134.42Е | 62 | 160 | [Balobaev, Devyatkin, 1982] |
| Kurdarar, 2841 | 59.08 | 119.83Е | 40 | 53 | [Geothermal Atlas…,2014] |
| Leda, 2 | 60.53 | 137.33Е | 36 | 46 | [Vaynblat, Skakun, 1983] |
| Leningradsky | 69.46 | 177.85Е | 66 | 102 | [Geothermal Atlas…,2014] |
| Lindensky | 64.25 | 123.50Е | 50 | 136 | [Geothermal Atlas…,2014] |
| Magadansky Morskoy | 59.13 | 151.33Е | 65 | 240 | [Geothermal Atlas…,2014] |
| Maino Pylginsky, 35  | 62.54 | 176.90Е | 51 | 113 | [Geothermal Atlas…,2014] |
| Maltan | 64.33 | 143.00Е | 43 | 82 | [Balobaev, Devyatkin, 1982] |
| Markhinsky | 66.25 | 114.67Е | 21 | 30 | [Devyatkin, 1993] |
| Mastakh | 63.67 | 124.17Е | 55 | 120 | [Balobaev, Devyatkin, 1982] |
| Matrosov | 61.50 | 148.08Е | 67 | 94 | [Goldman, Sezonenko, 1961] |
| Menkeche | 62.67 | 139.17Е | 64 | 145 | [Devyatkin, 1975] |
| Mirny, 701 | 62.83 | 114.92Е | 17 | 36 | [Vlasenko et al., 1984] |
| Namsky, 1 (Khatyryk) | 62.93 | 129.55Е | 46 | 140 | [Devyatkin, 1975] |
| Namaninsky | 60.75 | 121.25Е | 25 | 54 | [Melnikov et al., 1972] |
| Nedzheli | 63.62 | 125.00Е | 54 | 100 | [Balobaev, Levchenko, 1978] |
| Nezhdaninskiy | 62.50 | 139.08Е | 98 | 156 | [Devyatkin, 1993] |
| Obo, 6, 7, 9 | 61.77 | 149.70Е | 40 | 95 | [Geothermal Atlas…,2014] |
| Olekminsky | 60.42 | 120.50Е | 25 | 52 | [Geothermal Atlas…,2014] |
| Oloisky | 63.58 | 127.08Е | 55 | 130 | [Balobaev, Devyatkin, 1982] |
| Omolon, 2 | 68.67 | 158.67Е | 46 | 87 | [Vaynblat, Skakun, 1983] |
| Omsukchan, 23 | 62.50 | 155.77Е | 62 | 95 | [Vaynblat, Skakun 1983] |
| Otulakhsky, 680 | 63.00 | 114.23Е | 20 | 60 | [Devyatkin, 1993] |
| Povorotny, 25 | 63.73 | 176.92Е | 70 | 150 | [Balobaev, Devyatkin, 1982] |
| Polyarny, 2, 30 | 68.90 | 178.70Е | 65 | 90 | [Devyatkin, 1993] |
| Profilny, 8 | 64.25 | 175.70Е | 54 | 133 | [Geothermal Atlas…,2014] |
|  |  |  |  |  |  |
| Russko-Rechensky | 60.67 | 122.00Е | 25 | 53 | [Devyatkin, 1975] |
| Sabo-Khainsky, 2Р | 64.33 | 126.50Е | 55 | 90 | [Balobaev, Devyatkin, 1982] |
| Sardana | 59.92 | 136.83Е | 47 | 60 | [Devyatkin, 1975] |
| Sarylakh | 64.55 | 142.87Е | 80 | 105 | [Devyatkin, 1975] |
| Severo-Vilyuiskiy, 3 | 63.95 | 122.83Е | 50 | 120 | [Devyatkin, 1975] |
| Sredne-Vilyuiskiy, 3 | 64.95 | 123.83Е | 50 | 112 | [Vaynblat, Skakun, 1983] |
| Severo-Evenskiy | 62.12 | 159.30Е | 60 | 126 | [Balobaev, Devyatkin, 1982] |
| Sentachan, 442 | 66.53 | 136.67Е | 75 | 119 | [Devyatkin, 1993] |
| Sibik, 2, 167 | 65.83 | 149.83Е | 54 | 126 | [Geothermal Atlas…,2014] |
| Sobolkovsky, 5 | 64.08 | 176.47Е | 82 | 200 | [Geothermal Atlas…,2014] |
| Sobolkovsky, 6 | 64.12 | 176.50Е | 78 | 200 | [Geothermal Atlas…,2014] |
| Spirka, 5 | 70.83 | 135.25Е | 47 | 100 | [Handbook…, 1988] |
| Srednekan | 62.33 | 153.00Е | 47 | 127 | [Balobaev, Devyatkin, 1982] |
| Suntar, 1 | 62.17 | 117.58Е | 29 | 46 | [Melnikov et al., 1972] |
| Tiksi | 71.45 | 129.00Е | 50 | 98 | [Devyatkin, 1993] |
| Tumat | 62.67 | 135.17Е | 60 | 119 | [Nekrasov et al., 1973] |
| Uglovaya, 38 | 62.50 | 176.57Е | 47 | 94 | [Vaynblat, Skakun, 1983] |
| Ugolnye Kopi | 64.75 | 177.52Е | 52 | 137 | [Devyatkin, 1975] |
| Ulakhan-Egelyakh | 66.80 | 134.60Е | 72 | 109 | [Devyatkin, 1993] |
| Ulu, 3 | 60.33 | 127.50Е | 14 | 70 | [Balobaev, Devyatkin, 1982] |
| Uordakh, 1 | 62.33 | 128.00Е | 43 | 90 | [Devyatkin, 1975] |
| Ust-Vilyuiskiy, 5 | 64.25 | 126.50Е | 58 | 140 | [Devyatkin, 1993] |
| Ust-Oleneksky, 2370 | 72.94 | 120.31Е | 70 | 135 | [Duchkov et al., 2022] |
| Ust-Molbo, 1 | 59.72 | 119.33Е | 32 | 51 | [Geothermal Atlas…,2014] |
| Utinskiy | 62.57 | 151.67Е | 49 | 98 | [Goldman, Sezonenko, 1961] |
| Khailakhsky, 2 | 63.33 | 123.17Е | 44 | 95 | [Geothermal Atlas…,2014] |
| Khandyga | 62.67 | 135.67Е | 43 | 83 | [Handbook…, 1988] |
| Kharanga, 666 (Ugolnoye settlement) | 65.67 | 150.00Е | 53 | 122 | [Geothermal Atlas…,2014] |
| Khastakhsky-930 | 72.18 | 120.27Е | 48 | 80 | [Devyatkin, 1975] |
| Khenikandzha | 61.83 | 146.58Е | 43 | 85 | [Goldman, Sezonenko, 1961] |
|  |  |  |  |  |  |
| Chai-Tumus | 72.42 | 125.58Е | 45 | 85 | [Handbook…, 1988] |
| Charchykskiy, 1 | 72.30 | 121.12Е | 62 | 120 | [Duchkov et al., 2022] |
| Chirynaisky, 9 | 63.92 | 176.33Е | 70 | 172 | [Devyatkin, 1975] |
| Churapcha, 1 | 62.00 | 132.42Е | 49 | 84 | [Vaynblat, Skakun, 1983] |
| Shturmovoy | 62.82 | 150.13Е | 68 | 122 | [Devyatkin, 1975] |
| Ege-Khaya | 67.50 | 134.92Е | 63 | 110 | [Devyatkin, 1993] |
| Elginskiy, 31 | 62.24 | 175.26Е | 50 | 108 | [Geothermal Atlas…,2014] |
| Echinskiy, 12 | 63.87 | 176.58Е | 60 | 163 | [Devyatkin, 1975] |
| Yugarenok | 59.75 | 137.75Е | 43 | 57 | [Goldman, Sezonenko, 1961] |
| Yureginsky, 1 | 61.83 | 114.23Е | 20 | 29 | [Devyatkin, 1993] |
| Yakutsky | 61.92 | 129.67Е | 42 | 86 | [Balobaev, Devyatkin, 1982] |
| Yanrakoimsky, 33 | 66.65 | 177.65Е | 45 | 86 | [Thermophysical…,1983] |
| Lyakhovsky Island  | 73.92 | 141.67Е | 50 | 105 |  [Thermophysical…,1983] |
| Tenkergin | 68.33 | 178.50W | 100 | 139 | [Geothermal Atlas…,2014] |
| Iultinsky, 1 | 67.88 | 178.83W | 54 | 106 | [Kalabin, 1960] |
| Laptev Sea | 77.93 | 13.05E | 109 |  | [Drachev et al., 2003] |
| Laptev Sea | 78.06 | 13.44E | 95 |  | [Drachev et al., 2003] |
| East Siberian Sea | 78.00 | 174.73E | 133 |  | [Vlasenko et al., 1984] |
| Bering Sea, К14-41 | 60.73 | 175.73E | 46 |  | [Vlasenko et al., 1984] |
| Bering Sea, К14-42 | 60.00 | 173.35E | 47 |  | [Vlasenko et al., 1984] |
| Bering sea, К14-43 | 59.07 | 172.00E | 52 |  | [Vlasenko et al., 1984] |
| Bering sea, К14-44 | 58.53 | 172.80E | 60 |  | [Vlasenko et al., 1984] |
| Bering sea, V21-148 | 59.57 | 179.25E | 68 |  | [Vlasenko et al., 1984] |