**Таблица 3.** Химический состав неопротерозойских и верхнепалеозойских пород, основные модули и отношения элементов

Шифр пробы Состав Возраст SiO2 % Al2O3 % TiO2 % Fe2O3общ % MnO % MgO % CaO % Na2O % K2O % P2O5 % ппп % Сумма%

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X-596-2 | аргиллит | **P1 br** | 65.8 | 13.5 | 0.90 | 6.39 | 0.06 | 2.05 | 2.09 | 1.17 | 2.33 | 0.16 | 5.42 | 99.8 |
| X-623 | аргиллит | **C2 - P1 tr** | 62.8 | 18.1 | 1.03 | 6.05 | 0.03 | 1.87 | 0.45 | 0.67 | 3.31 | 0.14 | 5.28 | 99.7 |
| Х-596-1 | песчаник | **P1 br** | 77.1 | 8.2 | 0.53 | 4.98 | 0.05 | 1.25 | 1.26 | 1.19 | 1.35 | 0.08 | 3.7 | 99.7 |
| Х-599-1 | песчаник | **P1 br** | 75.4 | 9.5 | 0.63 | 5.22 | 0.05 | 1.42 | 1.12 | 1.30 | 1.39 | 0.09 | 3.68 | 99.8 |
| Х-622-1 | песчаник | **P1 br** | 46.6 | 6.1 | 0.38 | 6.02 | 0.19 | 1.51 | 18.80 | 0.90 | 1.07 | 0.10 | 18.1 | 99.8 |
| Х-622-3 | песчаник | **P1 br** | 88.1 | 4.0 | 0.42 | 4.03 | 0.04 | 0.35 | 0.22 | 0.47 | 0.53 | 0.09 | 1.53 | 99.8 |
| Х-624 | песчаник | **C2 - P1 tr** | 71.6 | 15.0 | 0.53 | 2.85 | 0.04 | 0.49 | 0.83 | 4.62 | 1.60 | 0.10 | 2.23 | 99.8 |
| X-627 | аргиллит | **C2 - P1 tr** | 58.7 | 16.8 | 0.89 | 6.83 | 0.10 | 2.26 | 2.31 | 1.17 | 2.88 | 0.35 | 7.35 | 99.6 |
| X-630-2 | аргиллит | **C2 - P1 tr** | 65.8 | 13.3 | 0.72 | 6.08 | 0.10 | 1.80 | 1.39 | 1.41 | 2.63 | 0.11 | 6.44 | 99.8 |
| Х-628-2 | песчаник | **C2 - P1 tr** | 89.9 | 4.8 | 0.27 | 1.68 | 0.03 | <.05 | 0.02 | 1.08 | 0.74 | <.05 | 1.22 | 99.7 |
| Х-630-1 | песчаник | **C2 - P1 tr** | 84.0 | 7.3 | 0.33 | 1.97 | 0.04 | 0.25 | 0.51 | 2.65 | 0.71 | 0.06 | 1.88 | 99.7 |
| Х-520-2 | туфоаргил | лит **NPR ps** | 65.4 | 16.2 | 1.39 | 8.47 | 0.04 | 1.18 | 0.16 | 0.86 | 2.83 | 0.08 | 3.08 | 99.7 |
| X-520-3 | аргиллит | **NPR ps** | 64.9 | 16.6 | 1.17 | 7.51 | 0.03 | 1.56 | 0.14 | 1.04 | 3.90 | <.05 | 2.98 | 99.8 |
| Х-507-1 | песчаник | **NPR ps** | 69.3 | 5.3 | 0.56 | 3.31 | 0.07 | 2.85 | 7.02 | 0.14 | 1.66 | 0.06 | 9.52 | 99.8 |
| Х-520-1 | песчаник | **NPR ps** | 93.7 | 1.9 | 0.19 | 2.26 | 0.02 | <.05 | <.01 | <.05 | 0.57 | <.05 | 1.15 | 99.8 |
| Х-521-2 | песчаник | **NPR ps** | 62.2 | 3.7 | 0.39 | 1.32 | 0.05 | 5.87 | 9.91 | <.05 | 1.35 | 0.30 | 14.7 | 99.8 |
| X-573-3 | аргиллит | **NPR st** | 63.1 | 16.3 | 0.74 | 6.87 | 0.12 | 1.76 | 1.47 | 0.30 | 5.03 | 0.12 | 3.96 | 99.7 |
| X-573-4 | аргиллит | **NPR st** | 67.7 | 14.8 | 0.75 | 7.06 | 0.06 | 1.80 | 0.15 | 0.95 | 3.44 | 0.10 | 2.88 | 99.7 |
| X-720-2 | аргиллит | **NPR st** | 76.2 | 10.0 | 0.63 | 3.85 | 0.13 | 1.14 | 1.28 | 1.85 | 1.81 | 0.13 | 2.72 | 99.8 |
| X-727-1 | аргиллит | **NPR st** | 59.9 | 19.2 | 0.78 | 9.06 | 0.05 | 2.19 | 0.12 | 1.04 | 3.57 | 0.05 | 3.78 | 99.7 |
| X-727-2 | аргиллит | **NPR st** | 63.8 | 17.5 | 0.87 | 7.26 | 0.09 | 2.29 | 0.26 | 1.37 | 2.74 | 0.13 | 3.46 | 99.7 |
| X-733-1 | аргиллит | **NPR st** | 58.5 | 19.2 | 0.90 | 9.14 | 0.07 | 2.59 | 0.17 | 0.06 | 5.27 | 0.17 | 3.7 | 99.8 |
| Х-560 | песчаник | **NPR st** | 89.6 | 5.4 | 0.11 | 1.11 | 0.01 | <.05 | <.01 | <.05 | 2.72 | <.05 | 0.87 | 99.9 |
| Х-564 | песчаник | **NPR st** | 95.2 | 2.1 | 0.20 | 0.82 | 0.02 | <.05 | <.01 | <.05 | 0.86 | <.05 | 0.7 | 99.9 |
| Х-565-1 | песчаник | **NPR st** | 86.8 | 4.3 | 0.66 | 2.66 | 0.10 | 0.10 | 0.98 | <.05 | 0.89 | 0.06 | 3.18 | 99.7 |
| Х-566-1 | песчаник | **NPR st** | 93.1 | 4.1 | 0.24 | 0.29 | <.01 | <.05 | <.01 | <.05 | 0.64 | <.05 | 1.34 | 99.7 |
| Х-716-1 | песчаник | **NPR st** | 85.8 | 5.0 | 1.20 | 3.85 | 0.04 | 1.15 | <.01 | <.05 | 1.18 | <.05 | 1.53 | 99.8 |
| Х-717 | песчаник | **NPR st** | 94.7 | 1.7 | 0.22 | 1.79 | 0.02 | <.05 | <.01 | <.05 | 0.91 | <.05 | 0.44 | 99.8 |
| Х-719 | песчаник | **NPR st** | 95.2 | 1.7 | 0.07 | 1.57 | 0.02 | <.05 | <.01 | 0.23 | 0.54 | <.05 | 0.46 | 99.8 |
| Х-720-1 | песчаник | **NPR st** | 98.1 | <.05 | 0.02 | 1.28 | <.01 | <.05 | <.01 | <.05 | 0.36 | <.05 | 0.15 | 99.9 |
| Х-722 | песчаник | **NPR st** | 77.1 | 11.3 | 0.52 | 3.18 | 0.03 | 0.53 | 0.31 | 4.25 | 1.29 | <.05 | 1.31 | 99.7 |
| Х-724 | песчаник | **NPR st** | 68.3 | 13.6 | 0.69 | 3.60 | 0.03 | 0.97 | 2.74 | 3.46 | 2.76 | <.05 | 3.58 | 99.7 |
| Х-727-3 | песчаник | **NPR st** | 73.6 | 11.5 | 0.77 | 6.51 | 0.10 | 1.38 | 0.21 | 2.33 | 1.12 | 0.09 | 2.16 | 99.7 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Х-733-2 | песчаник | **NPR st** | 96.9 | 0.5 | 0.12 | 1.56 | 0.01 | <.05 | <.01 | <.05 | 0.45 | <.05 | 0.37 | 99.9 |
| Х-733-3 песчаник **NPR st** 97.5 0.4 0.07 1.11 <.01 <.05 <.01 <.05 0.54 <.05 0.3 100 |
| Х-735 песчаник **NPR st** 95.3 1.5 0.09 1.82 0.01 <.05 <.01 <.05 0.60 <.05 0.5 99.8 |
| Х-737 песчаник **NPR st** 96.3 1.0 0.16 1.16 0.01 <.05 <.01 <.05 0.63 <.05 0.47 99.8 |
| Нижние пределы 0.02 0.05 0.01 0.01 0.01 0.05 0.01 0.05 0.01 0.05 0.1 |
| NPR st - становская свита |
| NPR ps - посадочнинская свита |
| C2-P1 tr - турузовская свита |
| P1 br - быррангская свита |