Table 2. Compositions of sandstones in the study area

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample ID | Location | Q–F–L(%) | | |  | Lv–Lm–Ls(%) | | | Sandstone type |
| Qm | F | Lt |  | Lv | Lm | Ls |
| H1 | Shuanglonggou | 69.39 | 8.84 | 21.77 |  | 44.90 | 39.55 | 15.55 | feldspathic litharenite |
| H2 | Tiaozigou | 63.92 | 8.86 | 27.22 |  | 42.60 | 48.42 | 8.98 | feldspathic litharenite |
| H3 | Tiaozigou | 68.10 | 11.66 | 20.25 |  | 57.50 | 29.35 | 13.15 | feldspathic litharenite |
| H4 | Dongqinggou | 57.23 | 7.55 | 35.22 |  | 41.50 | 37.27 | 21.23 | litharenite |
| H5 | Dongqinggou | 66.90 | 7.41 | 25.69 |  | 31.70 | 61.85 | 6.45 | litharenite |
| H6 | Mahuanggou | 59.75 | 8.98 | 31.27 |  | 41.20 | 41.70 | 17.10 | litharenite |
| H7 | Mahuanggou | 59.81 | 9.55 | 30.65 |  | 36.23 | 43.39 | 20.38 | litharenite |
| E1 | Yaoshan | 76.86 | 4.31 | 18.82 |  | 39.80 | 50.46 | 9.74 | lithic quartz sandstone |
| E2 | Yaoshan | 75.71 | 4.05 | 20.24 |  | 52.30 | 34.89 | 12.81 | lithic quartz sandstone |
| E3 | Yaoshan | 79.00 | 5.00 | 16.00 |  | 43.20 | 34.35 | 22.45 | lithic quartz sandstone |
| E4 | Yaoshan | 66.32 | 4.56 | 29.12 |  | 45.80 | 32.62 | 21.58 | litharenite |
| E5 | Yaoshan | 64.02 | 5.82 | 30.16 |  | 49.30 | 41.74 | 8.96 | litharenite |
| Note: Qm = quartz; F = feldspar; Lt = total lithics; Lv = lithic volcanic rock; Lm = lithic metamorphic rock; Ls = lithic sedimentary rock | | | | | | | | | |