**Table 1:** Major features of lithofacies

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| --- | --- | --- | --- | --- | --- | --- |
| lithofacies | name | framework | major composition | Interstitial grains | grain-size | depositional settings |
| L1 | Poorly cemented medium (lithic-)feldsparenite | grain-supported | QFm + QFr + L | cement + porosity | bimodal, poorly to moderately sorted | channel (hyperconcentrated flow) |
| L2 | Well cemented medium (lithic-)feldsparenite | cement-supported | QFm + QFr + C | continuous cement | unimodal, moderately sorted | channel (hyperconcentrated flow) |
| L3 | Cemented medium (lithic-)feldsparenite | grain to cement supported | QFm + QFr + L | discontinuous cement | unimodal, moderately sorted | channel (hyperconcentrated flow) |
| L4 | Highly cemented very fine feldsparenite to calcarenite | cement-supported | QFm + C + Lc | continuous cement | unimodal, moderately sorted | lobe (concentrated flow) |
| L5 | Cross stratified planktonic-rich fine biosparite and very fine glauconitic feldsparenite | cement-supported | C + QF + Fc | continuous cement | unimodal, moderately well sorted | lobe (concentrated flow) |
| L6 | Glauconitic quartzarenite coarse siltstone | grain-supported | QF + Gl + Pore | continuous cement | unimodal, moderately well sorted | reworked distal turbidite (turbiditic flow or bottom current) |