

**Table 1** Summary of subsalt sedimentological characteristics, southern margin of Patawarta Diapir

Lithofacies	Lithology	Colour	Bedding	Grain size	Sedimentary structures
5: lower dolomite beds	dolomite, shale, sandstone	dark grey, black	4–6 cm	silt, medium sandstone	horizontal to wavy laminae-bedding, diapiric detritus
4: green siltstone member	lime mudstone, silty limestone	green, yellow	1 mm – 1 cm	silt	horizontal laminae-bedding, diapiric detritus
3: upper limestone member	silty limestone, calcareous sandstone	blue grey, purple	30 cm – 2 m	silt, medium sandstone	horizontal laminae-bedding, soft-sediment deformation, stylonondular texture, low-angle crossbeds
2: middle limestone member	silty limestone, calcareous sandstone	blue grey, red	1 mm – 30 cm	silt, medium sandstone	horizontal laminae-bedding, flute casts, hummocky cross-stratification, low -angle crossbeds, asymmetrical and symmetrical ripples, rip-up clasts
1: lower limestone member	lime mudstone, silty limestone	red, purple, light green	1 mm – 20 cm	silt, medium sandstone	horizontal laminae-bedding, flute casts, hummocky cross-stratification, low-angle crossbeds, asymmetrical and symmetrical ripples, rip-up clasts, diapiric detritus

Data summarised from Kernén (2011).