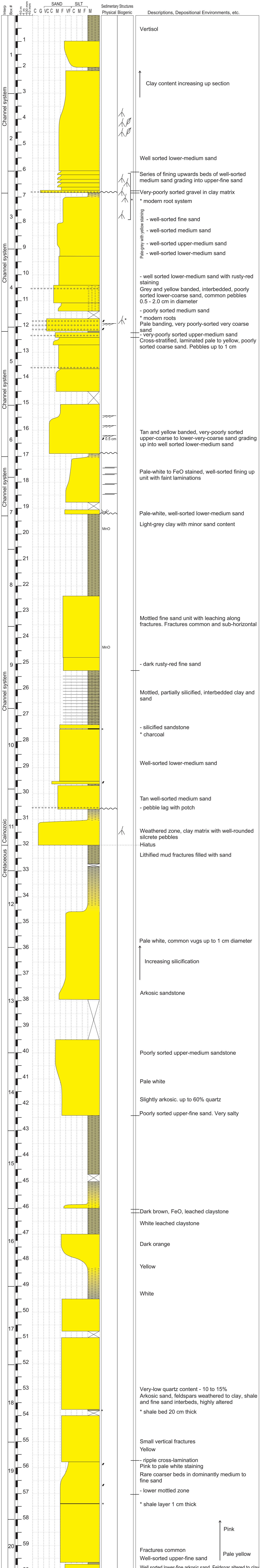


St George LB09 - 0.0 m - 60.0 m

TOTAL GAMMA
0 100 200 300 400 500 600



Vertisol

↑ Clay content increasing up section

Well sorted lower-medium sand

Series of fining upwards beds of well-sorted medium sand grading into upper-fine sand

Very-poorly sorted gravel in clay matrix
* modern root system

Pale-grey with yellow staining
- well-sorted fine sand
- well-sorted medium sand
- well-sorted upper-medium sand
- well-sorted lower-medium sand

- well sorted lower-medium sand with rusty-red staining
Grey and yellow banded, interbedded, poorly sorted lower-coarse sand, common pebbles 0.5 - 2.0 cm in diameter
- poorly sorted medium sand
* modern roots
Pale banding, very poorly-sorted very coarse sand
- very-poorly sorted upper-medium sand
Cross-stratified, laminated pale to yellow, poorly sorted coarse sand. Pebbles up to 1 cm

Tan and yellow banded, very-poorly sorted upper-coarse to lower-very-coarse sand grading up into well sorted lower-medium sand

Pale-white to FeO stained, well-sorted fining up unit with faint laminations

Pale-white, well-sorted lower-medium sand

MnO
Light-grey clay with minor sand content

MnO

Mottled fine sand unit with leaching along fractures. Fractures common and sub-horizontal

- dark rusty-red fine sand

Mottled, partially silicified, interbedded clay and sand

- silicified sandstone
* charcoal

Well-sorted lower-medium sand

Tan well-sorted medium sand
- pebble lag with patch

Weathered zone, clay matrix with well-rounded silcrete pebbles
Hiatus

Lithified mud fractures filled with sand

Pale white, common vugs up to 1 cm diameter
↑ Increasing silicification

Arkosic sandstone

Poorly sorted upper-medium sandstone

Pale white

Slightly arkosic. up to 60% quartz

Poorly sorted upper-fine sand. Very salty

Dark brown, FeO, leached claystone

White leached claystone

Dark orange

Yellow

White

Very-low quartz content - 10 to 15%
Arkosic sand, feldspars weathered to clay, shale and fine sand interbeds, highly altered
* shale bed 20 cm thick

Small vertical fractures
Yellow

- ripple cross-lamination
Pink to pale white staining
Rare coarser beds in dominantly medium to fine sand

- lower mottled zone

* shale layer 1 cm thick

Fractures common
Well-sorted upper-fine sand
Well sorted lower-fine arkosic sand. Feldspar altered to clay

↑ Pink
↑ Pale yellow