Data Quality Legend

Mnemonic / Column	Description
QC_FLAG	Overall quality flag (1–5) based on available logs, reliable petrophysical interpretation, and RCA data
RCA_QUALITY	Presence of routine core analysis (RCA) data in the interval (✓ / ✗)
CALC_PCT	Percentage of interval with reliable petrophysical interpretation
GR	Gamma ray
RESS	Shallow-depth resistivity measurement
RESM	Medium-depth resistivity measurement
RESD	Deep resistivity measurement
DENS	Bulk density of formation rock
NEUT	Neutron porosity
DTC	Compressional sonic
DTS	Shear sonic
BS	Diameter of the borehole
CAL	Caliper
DCOR	Density correction
POTA	Potassium content
THOR	Thorium content
URAN	Uranium content

QC_FLAG Values

Value	Description
1	Gamma ray only
2	Gamma ray + resistivity
3	Gamma ray + resistivity + porosity
4	Gamma ray + resistivity + porosity + reliable petrophysical interpretation
+1	Routine core analysis (RCA) data present

Percent Coverage Colour Legend

% Passing	Representation
0%	✗
< 50%	% present
50–74%	% present
≥ 75%	% present

BMR Talbot 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
TownsendQuartzite	28.50	31.90	2	✗	✗	95%	✗	✗	55%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

BMR Talbot 3

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Paterson	22.00	52.00	2	✗	✗	100%	100%	✗	100%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Lefroy	52.00	75.70	2	✗	✗	100%	98%	✗	99%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

BMR Talbot 4

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Lefroy	55.00	67.80	2	✗	✗	100%	99%	✗	99%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

BMR Throssell 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
BabbagoolaBeds	0.00	169.20	2	✗	✗	100%	✗	✗	91%	✗	✗	✗	✗	✗	99%	✗	✗	✗	✗

BMR Westwood 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	2.00	2	✗	✗	64%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
TableHillVolcanics	2.00	74.00	2	✗	✗	100%	61%	✗	59%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
McFadden	74.00	82.00	2	✓	✗	87%	100%	✗	91%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

BMR Westwood 2

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	6.00	1	✗	✗	88%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Lennis	6.00	87.00	2	✗	✗	100%	78%	✗	74%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
McFadden	87.00	100.00	2	✗	✗	100%	95%	✗	95%	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Boondawari 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Mundadjini	0.00	313.00	2	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	99%	✗	✗	✗	✗
Spearhole	313.00	769.00	3	✓	✗	100%	77%	✗	77%	78%	✗	✗	✗	100%	100%	80%	✗	✗	✗
BrasseyRange	769.00	1285.00	3	✓	✗	100%	100%	✗	100%	100%	✗	✗	✗	100%	100%	100%	✗	✗	✗
Dolerite	1285.00	1346.50	3	✗	✗	94%	1%	✗	✗	98%	✗	✗	✗	100%	98%	97%	✗	✗	✗

Browne 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	0.00	84.00	3	✗	✗	100%	19%	✗	12%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	84.00	133.00	2	✓	✗	100%	100%	✗	100%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Browne	133.00	382.50	2	✓	✗	99%	99%	✗	99%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗

Browne 2

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	6.00	94.50	2	✗	✗	89%	63%	✗	57%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	94.50	262.00	2	✗	✗	100%	100%	✗	100%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Browne	262.00	282.40	2	✗	✗	87%	86%	✗	100%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗

Dragoon 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	26.00	3	✗	✗	64%	✗	54%	39%	57%	✗	50%	✗	100%	63%	51%	✗	✗	✗
Grant	26.00	407.00	4	✗	57%	100%	✗	100%	100%	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
Browne	407.00	2001.00	4	✗	86%	99%	✗	93%	58%	100%	97%	100%	✗	100%	100%	100%	✗	✗	✗

GSWA Empress 1A

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	0.00	79.00	2	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	79.00	132.00	1	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Lennis	132.00	203.00	1	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	7%	6%	✗	✗	✗
TableHillVolcanics	203.00	286.00	3	✓	✗	100%	89%	✗	89%	91%	✗	97%	✗	100%	100%	100%	✗	✗	✗
Lungkarta	286.00	340.00	3	✓	✗	100%	27%	✗	28%	29%	✗	29%	✗	100%	44%	44%	✗	✗	✗
Wahlgu	340.00	483.00	1	✓	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Steptoe	483.00	617.00	1	✓	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Kanpa	617.00	861.00	4	✓	82%	100%	86%	✗	86%	85%	✗	90%	✗	100%	89%	✗	✗	✗	✗
Hussar	861.00	1247.00	4	✓	99%	100%	100%	✗	100%	100%	✗	100%	✗	100%	100%	✗	✗	✗	✗
Browne	1247.00	1522.00	4	✓	77%	100%	97%	✗	94%	100%	✗	100%	✗	100%	100%	✗	✗	✗	✗
Mesoproterozoic	1522.00	1581.90	4	✓	31%	88%	98%	✗	98%	93%	✗	99%	✗	100%	93%	✗	✗	✗	✗

GSWA Lancer 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	17.00	1	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	17.00	169.00	1	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Durba	169.00	205.00	1	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Lungkarta	205.00	344.00	1	✗	✗	100%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Wahlgu	344.00	467.00	1	✗	98%	100%	✗	✗	✗	29%	✗	33%	✗	100%	34%	34%	✗	✗	✗
Kanpa	467.00	527.00	1	✗	98%	100%	✗	✗	✗	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
KeeneBasalt	527.00	708.00	1	✗	98%	100%	✗	✗	✗	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
Hussar	708.00	1202.00	1	✗	94%	100%	✗	✗	✗	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
Browne	1202.00	1479.00	1	✗	96%	100%	✗	✗	✗	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
Mesoproterozoic	1479.00	1501.90	1	✗	100%	93%	✗	✗	✗	99%	✗	98%	✗	100%	98%	99%	✗	✗	✗

GSWA Trainor 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	9.10	2	✗	✗	92%	✗	✗	✗	✗	✗	✗	✗	100%	72%	✗	✗	✗	✗
McFadden	9.10	83.10	1	✓	✗	100%	✗	✗	✗	69%	✗	69%	✗	100%	100%	71%	✗	✗	✗
Mesoproterozoic	83.10	709.00	1	✓	✗	100%	✗	✗	✗	99%	✗	99%	✗	100%	100%	100%	✗	✗	✗

GSWA Vines 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	4.00	2	✗	✗	15%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Vines	4.00	125.00	2	✗	✗	100%	✗	✗	✗	98%	83%	✗	✗	100%	✗	97%	✗	✗	✗
Lungkarta	125.00	301.00	1	✓	✗	100%	✗	✗	✗	100%	100%	✗	✗	100%	✗	100%	✗	✗	✗
Wahlgu	301.00	779.00	4	✓	100%	100%	32%	✗	32%	100%	100%	35%	✗	100%	34%	100%	✗	✗	✗
Pirrilyungka	779.00	1632.00	4	✓	100%	100%	100%	✗	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Steptoe	1632.00	2016.90	4	✓	100%	98%	100%	✗	100%	100%	99%	99%	✗	100%	98%	100%	✗	✗	✗

Hussar 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	43.00	1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	43.00	101.00	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Durba	101.00	159.00	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Lungkarta	159.00	747.00	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Wahlgu	747.00	883.92	4	✗	66%	75%	68%	68%	68%	68%	68%	68%	✗	100%	68%	68%	✗	✗	✗
Kanpa	883.92	1294.00	4	✓	44%	100%	100%	100%	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Hussar	1294.00	1965.00	4	✗	100%	100%	100%	100%	99%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Browne	1965.00	2041.60	4	✗	97%	97%	94%	94%	90%	99%	99%	96%	✗	100%	94%	99%	✗	✗	✗

Kanpa 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	0.00	40.00	1	✗	✗	94%	✗	✗	✗	✗	✗	✗	✗	100%	48%	✗	✗	✗	✗
Grant	40.00	440.00	1	✗	✗	100%	✗	✗	✗	✗	✗	89%	✗	100%	100%	✗	✗	✗	✗
Lennis	440.00	547.50	1	✗	✗	99%	✗	✗	✗	✗	✗	100%	✗	100%	100%	✗	✗	✗	✗
TableHillVolcanics	547.50	564.60	1	✗	✗	59%	✗	✗	✗	✗	✗	100%	✗	100%	98%	✗	✗	✗	✗

Kanpa 1A

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	0.00	40.00	1	✗	✗	93%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	40.00	440.00	1	✗	✗	100%	✗	✗	✗	✗	✗	89%	✗	100%	✗	✗	✗	✗	✗
Lennis	440.00	548.00	1	✗	✗	100%	✗	✗	✗	✗	✗	100%	✗	100%	✗	✗	✗	✗	✗
TableHillVolcanics	548.00	657.16	4	✗	88%	100%	87%	87%	✗	89%	89%	100%	✗	100%	✗	87%	✗	✗	✗
Lungkarta	657.16	829.00	4	✗	57%	100%	100%	100%	✗	100%	100%	100%	✗	100%	✗	100%	✗	✗	✗
Steptoe	829.00	1341.00	4	✗	53%	100%	99%	98%	✗	100%	100%	100%	✗	100%	9%	100%	✗	✗	✗
Kanpa	1341.00	1817.00	4	✗	59%	100%	100%	100%	✗	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Hussar	1817.00	2515.00	4	✗	81%	100%	100%	100%	✗	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Browne	2515.00	3671.00	4	✗	77%	100%	100%	100%	✗	100%	100%	100%	✗	100%	74%	100%	✗	✗	✗
Mesoproterozoic	3671.00	3807.90	4	✗	71%	97%	100%	100%	✗	98%	98%	94%	✗	100%	✗	98%	✗	✗	✗

Lennis 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	6.10	1	✗	✗	90%	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Samuel	6.10	140.00	2	✗	✗	100%	55%	✗	55%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	140.00	612.30	2	✗	✗	94%	94%	✗	94%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
TableHillVolcanics	612.30	614.50	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗

Lungkarta 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	0.00	88.00	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	88.00	364.00	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Lennis	364.00	540.00	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
TableHillVolcanics	540.00	704.00	4	✗	76%	92%	75%	74%	74%	75%	75%	75%	✗	100%	75%	75%	✗	✗	✗
Wahlgu	704.00	809.00	4	✗	57%	100%	100%	100%	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Kanpa	809.00	1196.00	4	✗	74%	100%	98%	100%	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Hussar	1196.00	1769.80	4	✗	94%	99%	99%	99%	99%	99%	99%	100%	✗	100%	99%	99%	✗	✗	✗

Mundadjini 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Mundadjini	0.00	359.00	3	✗	✗	55%	52%	✗	52%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Spearhole	359.00	596.00	2	✓	✗	100%	100%	✗	100%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗

Yowalga 1

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	11.60	1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Samuel	11.60	92.40	2	✗	✗	99%	36%	✗	32%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	92.40	458.00	2	✓	✗	100%	100%	✗	100%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Lennis	458.00	595.70	2	✓	✗	87%	100%	✗	100%	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗

Yowalga 2

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Cainozoic	0.00	7.60	0	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Samuel	7.60	94.50	1	✗	✗	96%	✗	✗	✗	✗	✗	✗	✗	100%	96%	✗	✗	✗	✗
Grant	94.50	406.90	4	✗	98%	100%	92%	✗	91%	93%	✗	90%	✗	100%	100%	93%	✗	✗	✗
Lennis	406.90	728.50	4	✗	81%	100%	100%	✗	100%	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
TableHillVolcanics	728.50	845.80	4	✗	51%	100%	100%	✗	100%	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
Kanpa	845.80	893.06	4	✗	97%	100%	100%	✗	100%	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
Basement	893.06	986.80	4	✗	✗	88%	100%	✗	99%	94%	✗	94%	✗	100%	96%	93%	✗	✗	✗

Yowalga 3

FORMATION	Top	Base	QC Flag	RCA	CALC	GR	RESS	RESM	RESD	DENS	NEUT	DTC	DTS	BS	CAL	DCOR	POTA	THOR	URAN
Samuel	0.00	106.00	1	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	100%	✗	✗	✗	✗	✗
Grant	106.00	555.00	3	✗	✗	95%	✗	94%	94%	93%	✗	94%	✗	100%	94%	94%	✗	✗	✗
Lennis	555.00	763.00	3	✗	✗	100%	✗	100%	100%	100%	✗	100%	✗	100%	100%	100%	✗	✗	✗
TableHillVolcanics	763.00	880.00	4	✗	90%	100%	83%	100%	100%	100%	89%	100%	✗	100%	100%	100%	✗	✗	✗
Kanpa	880.00	991.00	4	✗	38%	100%	100%	100%	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Hussar	991.00	1888.00	4	✗	92%	100%	100%	100%	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗
Browne	1888.00	4180.00	4	✓	76%	100%	100%	100%	100%	100%	100%	100%	✗	100%	100%	100%	✗	✗	✗