

Myra Kukalak Project
Cameco Australia Pty Ltd
Sample Alteration and Structural Measurements

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL010001	KL01C10001		Kombolgie Fm.	f. - m. gr. Sandstone		1 QZ	FRAC				
KL010001	KL01W10001	Thin QZ/DQZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone		1 QZ	FRAC	Qtz/Dqz fracture	84	262	
KL010001	KL01W10001	Thin QZ/DQZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC	Bedding	3	136	
KL010001	KL01W10001	Thin QZ/DQZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone				Ripples		7	Trend of main ripple apex axes
KL010001	KL01W10001	Thin QZ/DQZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone				Ripples		240	Trend of secondary ripple apex axes
KL010001	KL01C10001		Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				
KL010001	KL01C10001		Kombolgie Fm.	f. - m. gr. Sandstone		3 HEB	BED				
KL010001	KL01C10001		Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	BED				
KL010001	KL01C10001		Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	BED				
KL010001	KL01C10001		Kombolgie Fm.	f. - m. gr. Sandstone		2 SIL	MATR				
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		3 HED	BED				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01W10002	Silicified QZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone		1 SIL	FRAC				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01W10002	Silicified QZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01W10002	Silicified QZ fractures	Kombolgie Fm.	f. - m. gr. Sandstone		1 QZ	FRAC	Qtz/Dqz fracture	82	281	Factures perpendicular to valley gorge
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		1 QZD	LM				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		3 BH	BED				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		1 SIL	FRAC				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		1 QZ	FRAC				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010002	KL01C10002		Kombolgie Fm.	f. - m. gr. Sandstone		2 SIL	MATR				Early alteration silicified shear bands reactivated by later quartz and druzy quartz fracturing
KL010003	KL01W10003		Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	BED				2 WAL & Outcrop samples
KL010003	KL01C10003		Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	BED				2 WAL & Outcrop samples
KL010003	KL01W20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		2 DQZ	HBX				2 WAL & Outcrop samples
KL010003	KL01W20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	HBX				2 WAL & Outcrop samples
KL010003	KL01W20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	HBX				2 WAL & Outcrop samples
KL010003	KL01W20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	HBX	Dqz breccia	80	269	Oblique to orthogonal to valley gorge
KL010003	KL01W10003		Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				2 WAL & Outcrop samples
KL010003	KL01W10003		Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	BED				2 WAL & Outcrop samples
KL010003	KL01C20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		2 DQZ	HBX				2 WAL & Outcrop samples
KL010003	KL01C20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	HBX				2 WAL & Outcrop samples
KL010003	KL01C20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	HBX				2 WAL & Outcrop samples
KL010003	KL01C20003	Silicified QZ/DQZ breccia	Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	HBX				2 WAL & Outcrop samples
KL010003	KL01C10003		Kombolgie Fm.	f. - m. gr. Sandstone		2 HED	BED				2 WAL & Outcrop samples
KL010003	KL01C10003		Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	BED				2 WAL & Outcrop samples
KL010003	KL01W10003		Kombolgie Fm.	f. - m. gr. Sandstone		2 HED	BED	74	12		DQZ fractures parallel to valley gorge
KL010003	KL01C10003		Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				2 WAL & Outcrop samples
KL010006	KL01C10006		Kombolgie Fm.	f. - m. gr. Sandstone		3 HED	PERV	Fracturing	80	304	Main trend of fracture/alteration bands
KL010006	KL01C10006		Kombolgie Fm.	f. - m. gr. Sandstone		1 WCY	FRAC	Crossbedding	3	32	
KL010006	KL01C10006		Kombolgie Fm.	f. - m. gr. Sandstone		3 BH	FRAC	Crossbedding	3	3	
KL010006	KL01C10006		Kombolgie Fm.	f. - m. gr. Sandstone		1 SIL	MATR	Crossbedding	4	329	
KL010007	KL01C10007		Kombolgie Fm.	f. - m. gr. Sandstone		3 HER	BED	Bedding	2	351	
KL010007	KL01C10007		Kombolgie Fm.	f. - m. gr. Sandstone		2 RCY	BED	Crossbedding	16	29	
KL010007	KL01C10007		Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	BED	Bedding	3	344	
KL010008	KL01C10008		Kombolgie Fm.	f. - m. gr. Sandstone		2 QZD	MATR				Near top of ridge above Devil's Elbow
KL010008	KL01C10008		Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	PERV				Near top of ridge above Devil's Elbow
KL010008	KL01C10008		Kombolgie Fm.	f. - m. gr. Sandstone		2 LI	PERV				Near top of ridge above Devil's Elbow
KL010008	KL01C10008		Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				Near top of ridge above Devil's Elbow
KL010008	KL01W10008	Thin druzy quartz fractures	Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	PERV	Dqz fracture	87	31	Near top of ridge above Devil's Elbow
KL010008	KL01W10008	Thin druzy quartz fractures	Kombolgie Fm.	f. - m. gr. Sandstone		2 LI	PERV				Near top of ridge above Devil's Elbow
KL010008	KL01W10008	Thin druzy quartz fractures	Kombolgie Fm.	f. - m. gr. Sandstone		2 BH	PERV				Near top of ridge above Devil's Elbow
KL010008	KL01W10008	Thin druzy quartz fractures	Kombolgie Fm.	f. - m. gr. Sandstone		2 QZD	MATR				Near top of ridge above Devil's Elbow
KL010008	KL01W10008	Thin druzy quartz fractures	Kombolgie Fm.	f. - m. gr. Sandstone		1 DQZ	FRAC				Near top of ridge above Devil's Elbow
KL010008	KL01C10008		Kombolgie Fm.	f. - m. gr. Sandstone		2 HER	PERV				Near top of ridge above Devil's Elbow
KL010009	KL01W10009	Silicified druzy quartz fractures	Kombolgie Fm.	m. - c. gr. Sandstone		1 SIL	FRAC	Qtz/Dqz fracture	83	115	
KL010009	KL01W10009	Silicified druzy quartz fractures	Kombolgie Fm.	m. - c. gr. Sandstone		1 LI	BLOT				
KL010009	KL01W10009	Silicified druzy quartz fractures	Kombolgie Fm.	m. - c. gr. Sandstone		3 BH	PERV				
KL010009	KL01W10009	Silicified druzy quartz fractures	Kombolgie Fm.	m. - c. gr. Sandstone		1 DQZ	FRAC	Bedding	2	190	
KL010009	KL01W10009	Silicified druzy quartz fractures	Kombolgie Fm.	m. - c. gr. Sandstone		1 HER	FRAC				
KL010009	KL01C10009		Kombolgie Fm.	m. - c. gr. Sandstone		1 DQZ	FRAC				
KL010009	KL01C10009		Kombolgie Fm.	m. - c. gr. Sandstone		1 HER	FRAC				
KL010009	KL01C10009		Kombolgie Fm.	m. - c. gr. Sandstone		3 BH	PERV				
KL010009	KL01C10009		Kombolgie Fm.	m. - c. gr. Sandstone		1 LI	BLOT				
KL010009	KL01C10009		Kombolgie Fm.	m. - c. gr. Sandstone		1 SIL	FRAC				

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KL010010	KL01W10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	2	HER	PERV				
KL010010	KL01C10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	3	BH	LM				
KL010010	KL01W10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	1	DQZ	FRAC	Dqz fracture	42	179	
KL010010	KL01W10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	3	BH	LM				
KL010010	KL01W10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	3	HEM	SPOT				
KL010010	KL01W10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	1	SIL	MATR	Bedding	2	242	
KL010010	KL01C10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	3	HEM	SPOT				
KL010010	KL01W10010		Kombolgie Fm.	v.f. - f. gr. Sandstone	2	BH	FRAC				
KL010011	KL01C10011		Kombolgie Fm.	v.f. gr. Sandstone	3	HER	SPEC				Shear fault fractures parallel to linear valley trending 035 degrees Azimuth
KL010011	KL01C10011		Kombolgie Fm.	v.f. gr. Sandstone	3	BH	PERV	Shearing	68	133	Shear fault fractures parallel to linear valley trending 035 degrees Azimuth
KL010011	KL01C10011		Kombolgie Fm.	v.f. gr. Sandstone	1	SIL	MATR	Riedel shears	72	118	Shear fault fractures parallel to linear valley trending 035 degrees Azimuth
KL010012	KL01C10012		Kombolgie Fm.	f. - v.f. gr. Sandstone	1	DQZ	FRAC				
KL010012	KL01C10012		Kombolgie Fm.	f. - v.f. gr. Sandstone	1	BH	FRAC				
KL010012	KL01C10012		Kombolgie Fm.	f. - v.f. gr. Sandstone	3	HER	PERV				
KL010012	KL01C10012		Kombolgie Fm.	f. - v.f. gr. Sandstone	2	BH	BLOT				
KL010012	KL01W10012	Anastomosing DQZ fractures = healed breccia	Kombolgie Fm.	f. - v.f. gr. Sandstone	2	BH	BLOT	Bedding	3	212	
KL010012	KL01W10012	Anastomosing DQZ fractures = healed breccia	Kombolgie Fm.	f. - v.f. gr. Sandstone	1	DQZ	FRAC	Dqz breccia	84	301	
KL010012	KL01W10012	Anastomosing DQZ fractures = healed breccia	Kombolgie Fm.	f. - v.f. gr. Sandstone	1	BH	FRAC				
KL010012	KL01W10012	Anastomosing DQZ fractures = healed breccia	Kombolgie Fm.	f. - v.f. gr. Sandstone	3	HER	PERV				
KL010013	KL01C10013		Kombolgie Fm.	c. gr. Sandstone	2	HER	PERV	Bedding	6	132	Distinctive "ropey" weathering or alteration pattern
KL010013	KL01C10013		Kombolgie Fm.	c. gr. Sandstone	2	BH	BLOT				Distinctive "ropey" weathering or alteration pattern
KL010013	KL01C10013		Kombolgie Fm.	c. gr. Sandstone	3	HER	PAT				Distinctive "ropey" weathering or alteration pattern
KL010014	KL01C10014		Kombolgie Fm.	m. gr. Sandstone	3	BH	PERV				
KL010014	KL01C10014		Kombolgie Fm.	m. gr. Sandstone	1	DQZ	FRAC				
KL010014	KL01C10014		Kombolgie Fm.	m. gr. Sandstone	1	SIL	FRAC				
KL010014	KL01C10014		Kombolgie Fm.	m. gr. Sandstone	2	QZD	MATR				
KL010014	KL01W10014	Silicified druzy quartz fractures	Kombolgie Fm.	m. gr. Sandstone	1	DQZ	FRAC	Qtz/Dqz fracture	83	282	Parallel to lineament valley trend
KL010014	KL01W10014	Silicified druzy quartz fractures	Kombolgie Fm.	m. gr. Sandstone	3	BH	PERV				
KL010014	KL01W10014	Silicified druzy quartz fractures	Kombolgie Fm.	m. gr. Sandstone	2	QZD	MATR				
KL010014	KL01W10014	Silicified druzy quartz fractures	Kombolgie Fm.	m. gr. Sandstone	1	SIL	FRAC				
KL010015	KL01C10015		Kombolgie Fm.	c. gr. Sandstone with v.c. pebbly conglomerate	1	HER	PERV				
KL010015	KL01C10015		Kombolgie Fm.	c. gr. Sandstone with v.c. pebbly conglomerate	2	SIL	FRAC				
KL010015	KL01C10015		Kombolgie Fm.	c. gr. Sandstone with v.c. pebbly conglomerate	1	DQZ	FRAC				
KL010015	KL01C10015		Kombolgie Fm.	c. gr. Sandstone with v.c. pebbly conglomerate	2	BH	PERV				
KL010015	KL01W10015	Silicified alteration/shear band with minor druzy quartz	Kombolgie Fm.	c. gr. Sandstone with v.c. pebbly conglomerate	2	BH	PERV				
KL010015	KL01C10015		Kombolgie Fm.	c. gr. Sandstone with v.c. pebbly conglomerate	3	BH	FRAC				
KL010016	KL01C10016		Kombolgie Fm.	m. gr. Sandstone	1	HER	VUG				Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone	2	HER	PERV	Joint	69	166	Crosscutting joint fractures
KL010016	KL01C10016		Kombolgie Fm.	m. gr. Sandstone	2	HER	PERV				Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01C10016		Kombolgie Fm.	m. gr. Sandstone	1	DQZ	VUG				Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01C10016		Kombolgie Fm.	m. gr. Sandstone	2	SIL	FT				Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone				Slickensides	51	260	Dip-slip mineral lineation slickenside
KL010016	KL01C10016		Kombolgie Fm.	m. gr. Sandstone	2	QZD	MATR				Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone	2	QZD	MATR	Bedding	4	123	Tilted bedding in hanging wall of fault
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone	1	DQZ	VUG	Fault	43	232	Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone	1	HER	VUG	Dqz fracture	81	331	Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone	2	SIL	FT	Fault	54	234	Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010016	KL01W10016	Goomadeer thrust fault zone	Kombolgie Fm.	m. gr. Sandstone	3	BH	PAT	Bedding	6	136	Tilted bedding in hanging wall of fault
KL010016	KL01C10016		Kombolgie Fm.	m. gr. Sandstone	3	BH	PAT				Reverse thrust fault (Goomadeer) hanging wall with dip-slip surface
KL010017	KL01C10017		Kombolgie Fm.	m. - f. gr. Sandstone	1	WCY	MATR				
KL010017	KL01C10017		Kombolgie Fm.	m. - f. gr. Sandstone	3	HER	FRAC				
KL010017	KL01C10017		Kombolgie Fm.	m. - f. gr. Sandstone	1	QZD	MATR				
KL010017	KL01C10017		Kombolgie Fm.	m. - f. gr. Sandstone	3	BH	PERV	Slickensides	43	218	Dip-slip slickenside mineral lineation
KL010017	KL01C10017		Kombolgie Fm.	m. - f. gr. Sandstone	2	LI	FRAC	Bedding	5	43	Measured below fault scarp still in hanging wall

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KL010017	KL01C10017		Kombolgie Fm.	m. - f. gr. Sandstone	2	DQZ	FRAC	Fault	44	228	
KL010018	KL01W10018	> 5 m wide fault breccia	Kombolgie Fm.	f. - m. gr. Sandstone	3	SIL	PERV	Bedding	3	58	Measured in hanging wall to fault breccia
KL010018	KL01W20018	DQZ fractures in immediate hanging wall of fault	Kombolgie Fm.	f. - m. gr. Sandstone	3	SIL	HBX				
KL010018	KL01W20018	DQZ fractures in immediate hanging wall of fault	Kombolgie Fm.	f. - m. gr. Sandstone	1	HER	PERV				
KL010018	KL01C10018		Kombolgie Fm.	f. - m. gr. Sandstone	1	HER	PERV				
KL010018	KL01W20018	DQZ fractures in immediate hanging wall of fault	Kombolgie Fm.	f. - m. gr. Sandstone	2	DQZ	FRAC				
KL010018	KL01C10018		Kombolgie Fm.	f. - m. gr. Sandstone	3	SIL	PERV				
KL010018	KL01W20018	DQZ fractures in immediate hanging wall of fault	Kombolgie Fm.	f. - m. gr. Sandstone	3	SIL	PERV				
KL010018	KL01C10018		Kombolgie Fm.	f. - m. gr. Sandstone	2	DQZ	FRAC				
KL010018	KL01W10018	> 5 m wide fault breccia	Kombolgie Fm.	f. - m. gr. Sandstone	3	SIL	HBX	Breccia	82	250	
KL010018	KL01W10018	> 5 m wide fault breccia	Kombolgie Fm.	f. - m. gr. Sandstone	2	DQZ	FRAC	Slickensides	4	354	Strike-slip slickenside mineral lineation
KL010018	KL01C10018		Kombolgie Fm.	f. - m. gr. Sandstone	3	SIL	HBX				
KL010018	KL01W10018	> 5 m wide fault breccia	Kombolgie Fm.	f. - m. gr. Sandstone	1	HER	PERV	Bedding	4	112	Measured in foot wall to fault breccia
KL010019	KL01W10019	DQZ fractures perpendicular to fault breccia trend	Kombolgie Fm.	f. gr. Sandstone	1	QZD	MATR				
KL010019	KL01C10019		Kombolgie Fm.	f. gr. Sandstone	2	HER	PERV				
KL010019	KL01C10019		Kombolgie Fm.	f. gr. Sandstone	2	DQZ	FRAC				
KL010019	KL01C10019		Kombolgie Fm.	f. gr. Sandstone	1	QZD	MATR				
KL010020	KL01W10020	Silicified druzy quartz fractures	Kombolgie Fm.	v.c. gr. Pebbly sandstone	2	RCY	SPEC				Max. clast up to 95 mm
KL010020	KL01W10020	Silicified druzy quartz fractures	Kombolgie Fm.	v.c. gr. Pebbly sandstone	1	DQZ	FRAC	Dqz fracture	81	76	Max. clast up to 95 mm
KL010020	KL01W10020	Silicified druzy quartz fractures	Kombolgie Fm.	v.c. gr. Pebbly sandstone	2	HER	PERV				Max. clast up to 95 mm
KL010020	KL01C10020		Kombolgie Fm.	v.c. gr. Pebbly sandstone	1	DQZ	FRAC				Max. clast up to 95 mm
KL010020	KL01C10020		Kombolgie Fm.	v.c. gr. Pebbly sandstone	2	HER	PERV				Max. clast up to 95 mm
KL010020	KL01C10020		Kombolgie Fm.	v.c. gr. Pebbly sandstone	2	RCY	SPEC				Max. clast up to 95 mm
KL010020	KL01C10020		Kombolgie Fm.	v.c. gr. Pebbly sandstone	2	QZD	MATR				Max. clast up to 95 mm
KL010020	KL01W10020	Silicified druzy quartz fractures	Kombolgie Fm.	v.c. gr. Pebbly sandstone	2	QZD	MATR				Max. clast up to 95 mm
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	2	QZD	MATR				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	2	WCY	MATR				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	2	RCY	MATR	Crossbedding	16	180	Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	3	BH	BLOT	Bedding	3	200	Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01C10021		Kombolgie Fm.	c. - v.c. gr. Sandstone	1	LI	INT				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01C10021		Kombolgie Fm.	c. - v.c. gr. Sandstone	2	QZD	MATR				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01C10021		Kombolgie Fm.	c. - v.c. gr. Sandstone	3	HER	PERV				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01C10021		Kombolgie Fm.	c. - v.c. gr. Sandstone	3	BH	BLOT				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	3	HER	PERV	Silicified fractures	86	320	Fracture appears to correlate with anomalism
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	1	DQZ	FRAC				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01W10021	Silicified druzy quartz fracture with anomalism	Kombolgie Fm.	c. - v.c. gr. Sandstone	2	SIL	FRAC				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010021	KL01C10021		Kombolgie Fm.	c. - v.c. gr. Sandstone	1	WCY	MATR				Polygonal jointing evident on bedding surface due to silicified joint/fractures; possibly due to dolerite at depth
KL010022	KL01W10022	Hematitic silicified druzy quartz fault breccia	Kombolgie Fm.	m. gr. Sandstone	1	DQZ	HBX				Valley parallel to fracturing
KL010022	KL01C10022		Kombolgie Fm.	m. gr. Sandstone	2	SIL	HBX				Valley parallel to fracturing
KL010022	KL01C10022		Kombolgie Fm.	m. gr. Sandstone	1	DQZ	HBX				Valley parallel to fracturing
KL010022	KL01C10022		Kombolgie Fm.	m. gr. Sandstone	2	HED	PERV				Valley parallel to fracturing
KL010022	KL01C10022		Kombolgie Fm.	m. gr. Sandstone	3	BH	HBX				Valley parallel to fracturing
KL010022	KL01C10022		Kombolgie Fm.	m. gr. Sandstone	2	SIL	MATR				Valley parallel to fracturing
KL010022	KL01W10022	Hematitic silicified druzy quartz fault breccia	Kombolgie Fm.	m. gr. Sandstone	2	SIL	HBX	Bedding	2	182	Valley parallel to fracturing
KL010022	KL01W10022	Hematitic silicified druzy quartz fault breccia	Kombolgie Fm.	m. gr. Sandstone	2	HED	PERV				Valley parallel to fracturing

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL010022	KL01W10022	Hematitic silicified druzy quartz fault breccia	Kombolgie Fm.	m. gr. Sandstone		3BH	HBX				Valley parallel to fracturing
KL010022	KL01W10022	Hematitic silicified druzy quartz fault breccia	Kombolgie Fm.	m. gr. Sandstone		2SIL	MATR				Valley parallel to fracturing
KL010022	KL01C10022		Kombolgie Fm.	m. gr. Sandstone		3HER	HBX				Valley parallel to fracturing
KL010022	KL01W10022	Hematitic silicified druzy quartz fault breccia	Kombolgie Fm.	m. gr. Sandstone		3HER	HBX	Dqz breccia	65	25	Valley parallel to fracturing
KL010023	KL01W20023	Silicified Joint	Kombolgie Fm.	m. gr. Sandstone		2SIL	FRAC				Healed breccia parallel to valley trend
KL010023	KL01W20023	Silicified Joint	Kombolgie Fm.	m. gr. Sandstone		1QZD	MATR				Healed breccia parallel to valley trend
KL010023	KL01W20023	Silicified Joint	Kombolgie Fm.	m. gr. Sandstone		1SIL	HBX				Healed breccia parallel to valley trend
KL010023	KL01W20023	Silicified Joint	Kombolgie Fm.	m. gr. Sandstone		2HER	PERV				Healed breccia parallel to valley trend
KL010023	KL01W10023	Healed breccia parallel to valley trend	Kombolgie Fm.	m. gr. Sandstone		1QZD	MATR				Healed breccia parallel to valley trend
KL010023	KL01W20023	Silicified Joint	Kombolgie Fm.	m. gr. Sandstone		3HER	FRAC				Healed breccia parallel to valley trend
KL010023	KL01W10023	Healed breccia parallel to valley trend	Kombolgie Fm.	m. gr. Sandstone		1SIL	HBX	Bedding	5	355	Healed breccia parallel to valley trend
KL010023	KL01W10023	Healed breccia parallel to valley trend	Kombolgie Fm.	m. gr. Sandstone		2HER	PERV	Silicified fractures	83	231	Healed breccia parallel to valley trend
KL010023	KL01W10023	Healed breccia parallel to valley trend	Kombolgie Fm.	m. gr. Sandstone		2SIL	HBX	Silicified fractures	77	92	Sampled as KL01W10023
KL010023	KL01C10023		Kombolgie Fm.	m. gr. Sandstone		1QZD	MATR				Healed breccia parallel to valley trend
KL010023	KL01C10023		Kombolgie Fm.	m. gr. Sandstone		1SIL	HBX				Healed breccia parallel to valley trend
KL010023	KL01C10023		Kombolgie Fm.	m. gr. Sandstone		2HER	PERV				Healed breccia parallel to valley trend
KL010023	KL01C10023		Kombolgie Fm.	m. gr. Sandstone		3HER	HBX				Healed breccia parallel to valley trend
KL010023	KL01W10023	Healed breccia parallel to valley trend	Kombolgie Fm.	m. gr. Sandstone		3HER	HBX	Silicified fractures	80	143	Sampled as KL01W20023
KL010023	KL01C10023		Kombolgie Fm.	m. gr. Sandstone		2SIL	HBX				Healed breccia parallel to valley trend
KL010024	KL01C10024	Conglomeratic Gummaringbang with Nungbalgarri and Mamadewerre sandstone clasts	Kombolgie Fm.	v.c. gr. Sandstone with pebbles and cobbles		1SIL	MATR				Must be Gummaringbang Formation (middle) of the Kombolgie Group due to presence of lithified sandstone clasts and Nungbalgarri Volcanics; clasts up to 143 mm
KL010024	KL01C10024	Conglomeratic Gummaringbang with Nungbalgarri and Mamadewerre sandstone clasts	Kombolgie Fm.	v.c. gr. Sandstone with pebbles and cobbles		3BH	SPOT				Must be Gummaringbang Formation (middle) of the Kombolgie Group due to presence of lithified sandstone clasts and Nungbalgarri Volcanics; clasts up to 143 mm
KL010024	KL01C10024	Conglomeratic Gummaringbang with Nungbalgarri and Mamadewerre sandstone clasts	Kombolgie Fm.	v.c. gr. Sandstone with pebbles and cobbles		3HER	PERV				Must be Gummaringbang Formation (middle) of the Kombolgie Group due to presence of lithified sandstone clasts and Nungbalgarri Volcanics; clasts up to 143 mm
KL010200	KL01C10200			medium grained sandstone		1BH	PERV	Joint	89	225	close to Ranger Fault
KL010200	KL01C10200			medium grained sandstone		2HE	PERV	Joint	89	201	close to Ranger Fault
KL010201	KL01W10201	5cm wide drusy quartz breccia		drusy quartz brecciated medium grained sandstone		1HE	PERV	Breccia	73	156	the breccia displays a sinistral strike slip sense of movement
KL010201	KL01C10201			drusy quartz brecciated medium grained sandstone		3BH	SURF	Joint	80	19	the breccia displays a sinistral strike slip sense of movement
KL010201	KL01C10201			drusy quartz brecciated medium grained sandstone		3HE	PERV	Breccia	73	156	the breccia displays a sinistral strike slip sense of movement
KL010201	KL01C10201			drusy quartz brecciated medium grained sandstone		1LI	PERV	Riedel shears	79	176	sense of movement is sinistral strike slip
KL010201	KL01W10201	5cm wide drusy quartz breccia		drusy quartz brecciated medium grained sandstone		2DQZ	BX				the breccia displays a sinistral strike slip sense of movement
KL010201	KL01C10201			drusy quartz brecciated medium grained sandstone		2HED	BIR	Joint	85	112	the breccia displays a sinistral strike slip sense of movement
KL010202	KL01C10202			coarse grained sandstone				Bedding	2	162	
KL010202	KL01C10202			coarse grained sandstone		1SIL	FRAC	Paleocurrent direction		1	
KL010202	KL01C10202			coarse grained sandstone		1HE	BIR	Silicified fractures	86	210	
KL010202	KL01C10202			coarse grained sandstone		2HE	BIR	Silicified fractures	62	168	
KL010202	KL01C10202			coarse grained sandstone		2BH	PERV	Silicified fractures	88	302	
KL010203	KL01C10203			medium to coarse grained sandstone		1BH	PERV	Joint	82	41	
KL010203	KL01C10203			medium to coarse grained sandstone		2HE	PERV	Joint	76	298	
KL010204	KL01C10204			medium grained sandstone		1HE	IRR	Joint	84	212	
KL010204	KL01C10204			medium grained sandstone		1HED	BN	Bedding	3	340	
KL010204	KL01C10204			medium grained sandstone		3BH	PERV	Joint	87	297	dominant joint orientation
KL010205	KL01C10205			desilicified medium to coarse grained sandstone		3BH	PERV	Joint	83	39	dominant joint orientation
KL010205	KL01C10205			desilicified medium to coarse grained sandstone		1HE	IRR				near Goomadeer River ~nkm downstream from Devils's Elbow
KL010206	KL01C10206			desilicified medium grained sandstone		2BH	PERV	Joint	79	94	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010206	KL01C10206			desilicified medium grained sandstone				Bedding	2	16	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010206	KL01C10206			desilicified medium grained sandstone		1SIL	FRAC	Joint	83	98	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010206	KL01C10206			desilicified medium grained sandstone		1HE	PERV	Joint	82	220	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010206	KL01C10206			desilicified medium grained sandstone				Joint	89	338	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010207	KL01C10207			drusy quartz fractures within medium grained sands		3BH	PERV	Dqz fracture	89	72	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010207	KL01C10207			drusy quartz fractures within medium grained sands		1HE	IRR	Dqz fracture	80	228	near Goomadeer River ~nkm downstream from Devils's Elbow

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL010207	KL01W10207	drusy quartz fractures and small vugs		drusy quartz fractures within medium grained sands	3	BH	PERV	Dqz fracture	89	72	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010207	KL01W10207	drusy quartz fractures and small vugs		drusy quartz fractures within medium grained sands	1	HE	IRR	Dqz fracture	80	228	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010208	KL01W10208	large drusy quartz vugs with individual quartz crystals up to 1.5cm long		drusy quartz vugs and veining	3	DQZ	VN	Dqz fracture	70	302	near Goomadeer River ~nkm downstream from Devils's Elbow
KL010209	KL01C10209			medium grained sandstone	1	HE	PERV	Joint	89	305	
KL010209	KL01C10209			medium grained sandstone	2	BH	PERV	Joint	84	39	
KL010209	KL01C10209			medium grained sandstone	1	SIL	BIR	Bedding	3	158	
KL010210	KL01C10210			extremely silicified medium grained sandstone	2	SIL	PERV	Paleocurrent direction		48	
KL010210	KL01C10210			extremely silicified medium grained sandstone	2	HE	PERV	Joint	88	321	
KL010210	KL01C10210			extremely silicified medium grained sandstone	1	WCY	FRAC	Joint	88	75	
KL010211	KL01C10211			medium grained sandstone				Dqz fracture	75	195	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010211	KL01W10211	large drusy quartz lined vugs		medium grained sandstone				Dqz fracture	64	213	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010211	KL01C10211			medium grained sandstone				Dqz fracture	64	213	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010211	KL01C10211			medium grained sandstone				Bedding	8	20	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010211	KL01C10211			medium grained sandstone	3	BH	BLOT	TVA - Tension Vein Array	36	164	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010211	KL01C10211			medium grained sandstone	2	HED	PERV	Deformation dissolution bands	82	280	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010211	KL01W10211	large drusy quartz lined vugs		medium grained sandstone				Dqz fracture	75	195	in outcrop the rock displays broad bleached alteration zones irregularly throughout the outcrop surface
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone				Bedding	3	135	laterite gamma counts up to 160cps, shear sense indicates dextral stike slip movement
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone	2	HED	PERV	Close-spaced fractures	86	122	laterite gamma counts up to 160cps, shear sense indicates dextral stike slip movement
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone	1	HE	SURF	Joint	88	29	laterite gamma counts up to 160cps, shear sense indicates dextral stike slip movement
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone	1	BH	PERV	Deformation dissolution bands	85	248	laterite gamma counts up to 160cps, shear sense indicates dextral stike slip movement
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone	2	BH	BLOT	Joint	88	232	laterite gamma counts up to 160cps, shear sense indicates dextral stike slip movement
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone				Riedel shears	73	264	interpreted dextral strike slip movement
KL010212	KL01C10212	close spaced fractures and minor siliceous deformation shear bands, bleached alteration halo surrounds joints and siliceous fractures	Kombolgie Fm.	medium to coarse grained sandstone				Paleocurrent direction		25	laterite gamma counts up to 160cps, shear sense indicates dextral stike slip movement
KL010213	KL01C10213		Kombolgie Fm.	medium grained sandstone	3	BH	PERV	Shearing	87	122	shear sense indicates sinistral strike slip movement
KL010213	KL01C10213		Kombolgie Fm.	medium grained sandstone	1	SGG	STRT	Deformation dissolution bands	87	292	shear sense indicates sinistral strike slip movement
KL010213	KL01C10213		Kombolgie Fm.	medium grained sandstone				Bedding	2	334	shear sense indicates sinistral strike slip movement
KL010213	KL01W10213	thin shear surface, indurated quartz fault gouge material	Kombolgie Fm.	medium grained sandstone	1	HE	PERV	Shearing	87	122	shear sense indicates sinistral strike slip movement
KL010213	KL01W10213	thin shear surface, indurated quartz fault gouge material	Kombolgie Fm.	medium grained sandstone	2	SGG	STRT	Riedel shears	88	109	indicates sinistral strike slip movement
KL010213	KL01W10213	thin shear surface, indurated quartz fault gouge material	Kombolgie Fm.	medium grained sandstone	1	QZ	FRAC	Deformation dissolution bands	87	292	shear sense indicates sinistral strike slip movement
KL010213	KL01C10213		Kombolgie Fm.	medium grained sandstone	1	HE	IRR	Riedel shears	88	109	indicates sinistral strike slip movement
KL010214	KL01W10214	thin siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone				Bedding	10	108	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01W10214	thin siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone				Silicified fractures	85	282	shear sense indicates dextral stike slip movement, with slight oblique trend

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KL010214	KL01W10214	thin siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone	1	HE	PERV	Paleocurrent direction		284	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01W10214	thin siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone	2	SIL	PERV	Riedel shears	77	73	indicates dextral strike slip movement
KL010214	KL01W10214	thin siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone	1	QZ	FRAC	TVA - Tension Vein Array	87	212	possible secondary deformation shear bands
KL010214	KL01W10214	thin siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone	1	SGG	STRT	Deformation dissolution bands	62	66	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01C10214		Kombolgie Fm.	medium grained sandstone				Bedding	10	108	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01C10214		Kombolgie Fm.	medium grained sandstone				Paleocurrent direction		284	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01C10214		Kombolgie Fm.	medium grained sandstone	1	SIL	PERV	Riedel shears	77	73	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01C10214		Kombolgie Fm.	medium grained sandstone	1	HE	PERV	TVA - Tension Vein Array	87	212	possible secondary deformation shear bands
KL010214	KL01C10214		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Deformation dissolution bands	62	66	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010214	KL01C10214		Kombolgie Fm.	medium grained sandstone				Silicified fractures	85	282	shear sense indicates dextral stike slip movement, with slight oblique trend
KL010215	KL01C10215	narrow qtz and drusy qtz veinlets	Kombolgie Fm.	fine to medium grained sandstone	1	HE	PERV	Riedel shears	85	200	shear sense indicates sinistral stike slip movement
KL010215	KL01C10215	narrow qtz and drusy qtz veinlets	Kombolgie Fm.	fine to medium grained sandstone	1	SIL	PERV	Joint	85	255	shear sense indicates sinistral stike slip movement
KL010215	KL01C10215	narrow qtz and drusy qtz veinlets	Kombolgie Fm.	fine to medium grained sandstone	1	QZ	VN	Qtz/Dqz fracture	75	210	shear sense indicates sinistral stike slip movement
KL010215	KL01C10215	narrow qtz and drusy qtz veinlets	Kombolgie Fm.	fine to medium grained sandstone				Bedding	6	84	shear sense indicates sinistral stike slip movement
KL010215	KL01C10215	narrow qtz and drusy qtz veinlets	Kombolgie Fm.	fine to medium grained sandstone	2	BH	PERV	Dqz fracture	85	212	small shear band parallel to narrow deep lineament
KL010216	KL01C10216	annealed quartzite breccia	Kombolgie Fm.	quartzite annealed breccia	3	QZ	BX	Breccia			unknown shear sense
KL010216	KL01C10216	annealed quartzite breccia	Kombolgie Fm.	quartzite annealed breccia				Slickolites		220	within proximal sandstone, movement towards 220
KL010216	KL01C10216	annealed quartzite breccia	Kombolgie Fm.	quartzite annealed breccia				Lineation	55	6	lineation on joint surface 67-056
KL010216	KL01C10216	annealed quartzite breccia	Kombolgie Fm.	quartzite annealed breccia				Joint	67	56	unknown shear sense
KL010216	KL01C10216	annealed quartzite breccia	Kombolgie Fm.	quartzite annealed breccia				Close-spaced fractures	67	258	unknown shear sense
KL010216	KL01C10216	annealed quartzite breccia	Kombolgie Fm.	quartzite annealed breccia				Joint	65	180	unknown shear sense
KL010217	KL01C10217		Nungbalgarri Member	basic amygdulic volcanic	2	AM	DIS				possible pegmatitic sweats or open voids infilled with quartz and weathered out cleaved mineral lathes
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone	1	NOX	SPOT	Joint	80	1	interpeted dextral strike slip movement on silicified deformation shear bands
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone	1	HED	PERV	Deformation dissolution bands	87	102	interpeted dextral strike slip movement on silicified deformation shear bands
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Joint	80	124	interpeted dextral strike slip movement on silicified deformation shear bands
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone				Bedding	6	145	interpeted dextral strike slip movement on silicified deformation shear bands
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone				Ripples		242	interpeted dextral strike slip movement on silicified deformation shear bands
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone				Joint	85	144	interpeted dextral strike slip movement on silicified deformation shear bands
KL010220	KL01C10220	in outcrop, red hematitic sandstone with bleached alteration haloes surrounding fractures	Kombolgie Fm.	medium grained sandstone				Ripples		198	interpeted dextral strike slip movement on silicified deformation shear bands
KL010222	KL01C10222	silicified sandstone, approximately located 10m stratigraphically above dolerite	Kombolgie Fm.	medium grained sandstone	1	HS	DIS				proximal to Devils Elbow, sample approximately 10m above dolerite
KL010222	KL01C10222	silicified sandstone, approximately located 10m stratigraphically above dolerite	Kombolgie Fm.	medium grained sandstone	2	SIL	PERV				proximal to Devils Elbow, sample approximately 10m above dolerite
KL010222	KL01C10222	silicified sandstone, approximately located 10m stratigraphically above dolerite	Kombolgie Fm.	medium grained sandstone	1	HED	PERV				proximal to Devils Elbow, sample approximately 10m above dolerite
KL010222	KL01C10222	silicified sandstone, approximately located 10m stratigraphically above dolerite	Kombolgie Fm.	medium grained sandstone	1	BH	BIR				proximal to Devils Elbow, sample approximately 10m above dolerite
KL010222	KL01C10222	silicified sandstone, approximately located 10m stratigraphically above dolerite	Kombolgie Fm.	medium grained sandstone	1	HER	PERV				proximal to Devils Elbow, sample approximately 10m above dolerite
KL010223	KL01C10223		Kombolgie Fm.	medium grained sandstone	1	YCY	INT	Joint	80	156	proximal to Devils Elbow
KL010223	KL01W10223	minor drusy quartz veins	Kombolgie Fm.	medium grained sandstone	2	DQZ	FRAC				proximal to Devils Elbow
KL010223	KL01C10223		Kombolgie Fm.	medium grained sandstone				Ripples		165	proximal to Devils Elbow
KL010223	KL01C10223		Kombolgie Fm.	medium grained sandstone				Joint	67	28	proximal to Devils Elbow
KL010223	KL01C10223		Kombolgie Fm.	medium grained sandstone	1	HE	PERV	Joint	78	280	proximal to Devils Elbow
KL010223	KL01C10223		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Joint	72	262	proximal to Devils Elbow
KL010223	KL01C10223		Kombolgie Fm.	medium grained sandstone				Bedding	1	181	proximal to Devils Elbow
KL010224	KL01C10224		Kombolgie Fm.	coarse grained pebbly sandstone	3	BH	PERV	Paleocurrent direction		200	tr x-bed in relatively undisturbed area

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KL010224	KL01C10224		Kombolgie Fm.	coarse grained pebbly sandstone	1	HE	IRR				large scale soft sediment folding and loaded structures indicated by up to vertical bedding and folding of trough cross bedded sandstones
KL010224	KL01C10224		Kombolgie Fm.	coarse grained pebbly sandstone	2	YCY	INT				large scale soft sediment folding and loaded structures indicated by up to vertical bedding and folding of trough cross bedded sandstones
KL010224	KL01C10224		Kombolgie Fm.	coarse grained pebbly sandstone	1	NOX	DIS				large scale soft sediment folding and loaded structures indicated by up to vertical bedding and folding of trough cross bedded sandstones
KL010225	KL01C10225		Kombolgie Fm.	medium grained sandstone	2	QZ	VN	Bedding	6	147	interpreted dextral shear movement
KL010225	KL01C10225		Kombolgie Fm.	medium grained sandstone	2	HER	BIR	Close-spaced fractures	85	110	interpreted dextral shear movement
KL010225	KL01C10225		Kombolgie Fm.	medium grained sandstone	3	BH	IRR	Riedel shears	85	128	interpreted dextral shear movement
KL010225	KL01W10225	siliceous deformation shear bands	Kombolgie Fm.	medium grained sandstone	2	QZ	VN	Deformation dissolution bands	85	110	interpreted dextral shear movement
KL010225	KL01C10225		Kombolgie Fm.	medium grained sandstone	1	LI	IRR	Silicified fractures	79	352	interpreted dextral shear movement
KL010226	KL01C10226		Kombolgie Fm.	medium grained sandstone				Paleocurrent direction		102	cross bedding
KL010226	KL01W10226	siliceous deformation shear band	Kombolgie Fm.	medium grained sandstone	2	QZ	FRAC	Deformation dissolution bands	84	278	interpreted dextral shear movement
KL010226	KL01C10226		Kombolgie Fm.	medium grained sandstone				Paleocurrent direction		222	cross bedding
KL010226	KL01C10226		Kombolgie Fm.	medium grained sandstone	1	DQZ	FRAC	Bedding	4	100	interpreted dextral shear movement
KL010226	KL01C10226		Kombolgie Fm.	medium grained sandstone	2	QZ	VN	Riedel shears	85	296	interpreted dextral shear movement
KL010226	KL01C10226		Kombolgie Fm.	medium grained sandstone	2	HER	BIR	Deformation dissolution bands	87	248	interpreted dextral shear movement
KL010226	KL01C10226		Kombolgie Fm.	medium grained sandstone	3	BH	PERV	Deformation dissolution bands	78	292	interpreted dextral shear movement
KL010227	KL01C10227		Kombolgie Fm.	fine to medium grained sandstone	1	HER	IRR	Riedel shears	85	188	interpreted dextral shear movement
KL010227	KL01C10227		Kombolgie Fm.	fine to medium grained sandstone	2	BH	STRT	Joint	85	38	interpreted dextral shear movement
KL010227	KL01C10227		Kombolgie Fm.	fine to medium grained sandstone				Bedding	3	234	interpreted dextral shear movement
KL010227	KL01W10227	siliceous deformation shear band	Kombolgie Fm.	fine to medium grained sandstone				Deformation dissolution bands	87	170	interpreted dextral shear movement
KL010227	KL01C10227		Kombolgie Fm.	fine to medium grained sandstone	1	QZ	VN	Deformation dissolution bands	87	170	interpreted dextral shear movement
KL010228	KL01C10228		Kombolgie Fm.	pebbly granule stone				Joint	77	124	coarse pebbly trough cross bedded horizon with common scours at base with thinly bedded horizon at top with up to 50mm sandstone rip-up clasts
KL010228	KL01C10228		Kombolgie Fm.	pebbly granule stone	3	BH	PERV	Bedding	1	64	coarse pebbly trough cross bedded horizon with common scours at base with thinly bedded horizon at top with up to 50mm sandstone rip-up clasts
KL010228	KL01C10228		Kombolgie Fm.	pebbly granule stone	1	WCY	IC	Joint	78	98	parallel to main lineament
KL010228	KL01C10228		Kombolgie Fm.	pebbly granule stone				Joint	84	332	coarse pebbly trough cross bedded horizon with common scours at base with thinly bedded horizon at top with up to 50mm sandstone rip-up clasts
KL010229	KL01C10229		Kombolgie Fm.	medium grained sandstone	1	HE	PERV	Bedding	5	234	
KL010229	KL01C10229		Kombolgie Fm.	medium grained sandstone	2	BH	PERV				
KL010230	KL01C10230	drusy quartz fractured sandstone	Kombolgie Fm.	drusy quartz fractures within medium grained sands	2	DQZ	VN	Dqz fracture	56	20	first appearance of drusy quartz fractures and veins approaching interpreted thrust fault from the SW
KL010230	KL01C10230	drusy quartz fractured sandstone	Kombolgie Fm.	drusy quartz fractures within medium grained sands	1	HE	IRR	Dqz fracture	78	20	first appearance of drusy quartz fractures and veins approaching interpreted thrust fault from the SW
KL010230	KL01W10230	drusy quartz fractures	Kombolgie Fm.	drusy quartz fractures within medium grained sands	2	DQZ	VN	Dqz fracture	56	20	first appearance of drusy quartz fractures and veins approaching interpreted thrust fault from the SW
KL010230	KL01W10230	drusy quartz fractures	Kombolgie Fm.	drusy quartz fractures within medium grained sands	1	HE	IRR	Dqz fracture	78	20	first appearance of drusy quartz fractures and veins approaching interpreted thrust fault from the SW
KL010231	KL01C10231	sample is jointed, with discrete anomalism ~2850cps	Nungbalgarri Member	basic amygdulic rich volcanic	1	HE	FRAC	Joint	63	46	volcanics have approximately 15-20% amygdulic up to average of 5mm and up to 12mm in diameter; discrete radioactivity up to 2850cps with 180cps background; radioactivity confined to discrete joints and narrow E-W anastomosing quartz veins
KL010231	KL01C10231	sample is jointed, with discrete anomalism ~2850cps	Nungbalgarri Member	basic amygdulic rich volcanic				Joint	89	168	volcanics have approximately 15-20% amygdulic up to average of 5mm and up to 12mm in diameter; discrete radioactivity up to 2850cps with 180cps background; radioactivity confined to discrete joints and narrow E-W anastomosing quartz veins
KL010231	KL01W10231	thin (5mm) anastomosing quartz vein, anomalous radioactivity, 150cps above background - 450cps	Nungbalgarri Member	basic amygdulic rich volcanic	2	QZ	VN	Qtz/Dqz fracture	80	60	approximate due to anastomosing nature
KL010231	KL01W10231	thin (5mm) anastomosing quartz vein, anomalous radioactivity, 150cps above background - 450cps	Nungbalgarri Member	basic amygdulic rich volcanic	1	HS	DIS				volcanics have approximately 15-20% amygdulic up to average of 5mm and up to 12mm in diameter; discrete radioactivity up to 2850cps with 180cps background; radioactivity confined to discrete joints and narrow E-W anastomosing quartz veins
KL010232	KL01C10232		Kombolgie Fm.	very coarse grained pebbly sandstone	1	YCY	IC				possible clay bands within outcrop defining fabric "foliation"; large cross beds up to 2.5m thick
KL010232	KL01C10232		Kombolgie Fm.	very coarse grained pebbly sandstone	2	YCY	INT	Paleocurrent direction		130	possible clay bands within outcrop defining fabric "foliation"; large cross beds up to 2.5m thick
KL010232	KL01C10232		Kombolgie Fm.	very coarse grained pebbly sandstone	3	BH	PERV	Joint	83	126	possible clay bands within outcrop defining fabric "foliation"; large cross beds up to 2.5m thick

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL010233	KL01C10233		Kombolgie Fm.	pebbly granule stone		3BH	PERV	Joint	85	302	
KL010233	KL01C10233		Kombolgie Fm.	pebbly granule stone		2OCY	INT	Joint	75	29	
KL010233	KL01C10233		Kombolgie Fm.	pebbly granule stone		1HE	BIR	Paleocurrent direction		218	
KL010234	KL01C10234		Kombolgie Fm.	granule stone		2BH	PERV	Silicified fractures	77	345	interpreted dextral strike slip shear
KL010234	KL01C10234		Kombolgie Fm.	granule stone		1HE	PERV	Joint	76	140	interpreted dextral strike slip shear
KL010234	KL01C10234		Kombolgie Fm.	granule stone		1SIL	PERV	Joint	74	280	interpreted dextral strike slip shear
KL010234	KL01C10234		Kombolgie Fm.	granule stone		1OCY	INT	Joint	53	206	interpreted dextral strike slip shear
KL010234	KL01C10234		Kombolgie Fm.	granule stone				Deformation dissolution bands	80	129	interpreted dextral strike slip shear
KL010234	KL01C10234		Kombolgie Fm.	granule stone				Riedel shears	84	144	interpreted dextral strike slip shear
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone		3BH	FRAC	Slickensides	40	294	slicks on 45-285 surface indicate reverse movement
KL010235	KL01W10235	siliceous deformation shear bands	Kombolgie Fm.	pebbly granule stone		2SIL	FRAC				small reverse structure, dextral strike slip structure
KL010235	KL01W10235	siliceous deformation shear bands	Kombolgie Fm.	pebbly granule stone		2BH	PERV				small reverse structure, dextral strike slip structure
KL010235	KL01W10235	siliceous deformation shear bands	Kombolgie Fm.	pebbly granule stone		1HE	PERV	Deformation dissolution bands	63	283	small reverse structure, dextral strike slip structure
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone				Slickensides	58	224	interpreted dip slip fault-no direction
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone				Deformation dissolution bands	60	302	small reverse structure, dextral strike slip structure
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone				Silicified fractures	85	330	small reverse structure, dextral strike slip structure
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone		1il	PERV	Deformation dissolution bands	63	283	small reverse structure, dextral strike slip structure
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone		2HER	BIR	Deformation dissolution bands	45	285	small reverse structure, dextral strike slip structure
KL010235	KL01C10235		Kombolgie Fm.	pebbly granule stone				Riedel shears	87	312	interpreted dextral stike slip movement 63-283
KL010236	KL01W10236	5mm wide quartz specular hematite vein	Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		3HS	VN				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C10236		Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		2BH	PERV	Qtz/Dqz fracture	80	170	small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C10236		Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		1HE	pev				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C10236		Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		1YCY	INT				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C10236		Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		2HE	MTC				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C10236		Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		1QZ	VN				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C10236		Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		3HS	VN				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C20236	small 5x4x3cm ferricrete nodule, strong hematite (HEB, HS) content; 42000cps total counts Gamma; very high specific gravity	Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		2HEB	PERV				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01C20236	small 5x4x3cm ferricrete nodule, strong hematite (HEB, HS) content; 42000cps total counts Gamma; very high specific gravity	Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		1HS	DIS				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010236	KL01W10236	5mm wide quartz specular hematite vein	Nungbalgarri Member	altered / weathered amygdule rich basic volcanic		2QZ	VN				small floater ferricrete nodule approx 8x5x4cm registered 43000cps, strong brick red and specular hematite, high specific gravity
KL010237	KL01W10237	drusy quartz float material	Nungbalgarri Member	drusy quartz within basic volcanics		3DQZ	VN				
KL010238	KL01C10238	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone		2BH	PERV				small spots on weathered surface are expressed as 3her spots up to 8mm diameter within sample
KL010238	KL01C10238	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone		2HER	SPOT				small spots on weathered surface are expressed as 3her spots up to 8mm diameter within sample
KL010238	KL01C10238	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone		1HE	PERV				small spots on weathered surface are expressed as 3her spots up to 8mm diameter within sample
KL010239	KL01C10239		Kombolgie Fm.	medium grained sandstone				Bedding	1	282	45 degree slope along linear feature may possibly be mimicing main reverse fault structure along Goomadeer River
KL010239	KL01C10239		Kombolgie Fm.	medium grained sandstone		1SIL	BIR	Joint	89	18	45 degree slope along linear feature may possibly be mimicing main reverse fault structure along Goomadeer River
KL010239	KL01C10239		Kombolgie Fm.	medium grained sandstone		2HER	STRT	Joint	80	56	45 degree slope along linear feature may possibly be mimicing main reverse fault structure along Goomadeer River
KL010239	KL01C10239		Kombolgie Fm.	medium grained sandstone		2BH	PERV	Joint	86	310	dominant joint
KL010239	KL01C10239		Kombolgie Fm.	medium grained sandstone		1HE	PERV	Joint	48	235	main exposed dip slope
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone				Joint	68	225	dominant joint surface

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KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone				Joint	85	300	subdominant joint surface
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone	2	HE	SPOT	Slickensides	68	210	several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone				Slickensides	68	204	several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone				Joint	70	170	several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone				Joint	58	215	several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone	3	BH	PERV	Joint	71	181	several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010240	KL01C10240	spotted pockmarked outcrops	Kombolgie Fm.	medium grained sandstone				Slickensides	60	212	several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010240	KL01W10240	drusy quartz lined solution tubes up to 10cm diameter within sandstone	Kombolgie Fm.	medium grained sandstone	3	DQZ	VUG				several 10cm diameter drusy quartz solution tubes; slickensides developed on most joint surfaces indicate reverse dip slip movement
KL010241	KL01C10241		Kombolgie Fm.	medium grained sandstone	1	LI	PERV	Joint	68	268	vague sub-horizontal slickensides on surface
KL010241	KL01C10241		Kombolgie Fm.	medium grained sandstone				Bedding		2	191 interpreted dextral strike slip movement
KL010241	KL01C10241		Kombolgie Fm.	medium grained sandstone	2	HE	PERV	Dqz fracture	80	346	interpreted dextral strike slip movement
KL010241	KL01C10241		Kombolgie Fm.	medium grained sandstone	2	DQZ	VN	Joint	66	84	dominant joint surface
KL010241	KL01W10241	strong drusy quartz veining and minor hydraulic breccia	Kombolgie Fm.	medium grained sandstone	3	DQZ	FRAC	Dqz fracture	80	346	interpreted dextral strike slip movement
KL010241	KL01W10241	strong drusy quartz veining and minor hydraulic breccia	Kombolgie Fm.	medium grained sandstone	2	LI	PERV				interpreted dextral strike slip movement
KL010242	KL01C10242		Kombolgie Fm.	medium grained sandstone shear				Bedding	2	238	20cm wide sandstone shear interpreted as dextral strike slip movement
KL010242	KL01C10242		Kombolgie Fm.	medium grained sandstone shear				Riedel shears	70	48	riedel shears
KL010242	KL01C10242		Kombolgie Fm.	medium grained sandstone shear				Riedel shears	82	52	riedel primes
KL010242	KL01C10242		Kombolgie Fm.	medium grained sandstone shear	2	SGG	PERV	Slickensides	2	104	slickensides developed on shear zone surface
KL010242	KL01C10242		Kombolgie Fm.	medium grained sandstone shear	1	HE	IRR	Shearing	88	6	20cm wide sandstone shear interpreted as dextral strike slip movement
KL010242	KL01C10242		Kombolgie Fm.	medium grained sandstone shear	3	BH	PERV	Shearing	83	199	20cm wide sandstone shear interpreted as dextral strike slip movement
KL010242	KL01W10242	20cm sandstone shear zone	Kombolgie Fm.	medium grained sandstone shear	3	BH	PERV	Shearing	88	6	20cm wide sandstone shear interpreted as dextral strike slip movement
KL010243	KL01C10243		Kombolgie Fm.	pebbly very coarse sandstone / granule stone	1	YCY	INT	Bedding	5	30	strong quartz veining within basement granites is expressed along trend within overlying Mamadawerre Sandstone
KL010243	KL01C10243		Kombolgie Fm.	pebbly very coarse sandstone / granule stone	2	BH	PERV	Qtz/Dqz fracture	72	52	strong quartz veining within basement granites is expressed along trend within overlying Mamadawerre Sandstone
KL010243	KL01C10243		Kombolgie Fm.	pebbly very coarse sandstone / granule stone	1	QZ	VN	Qtz/Dqz fracture	86	20	quartz veining within basement rocks
KL010243	KL01C10243		Kombolgie Fm.	pebbly very coarse sandstone / granule stone	2	HE	BIR	Qtz/Dqz fracture	87	26	quartz veining within basal sandstone
KL010250	KL01C10250		Kombolgie Fm.	medium grained sandstone	1	SIL	PERV	Joint	89	152	dominant jointing and close spaced fractures perpendicular to main linear gully
KL010250	KL01C10250		Kombolgie Fm.	medium grained sandstone	1	HE	IRR	Joint	85	300	dominant jointing and close spaced fractures perpendicular to main linear gully
KL010250	KL01C10250		Kombolgie Fm.	medium grained sandstone				Bedding	3	172	dominant jointing and close spaced fractures perpendicular to main linear gully
KL010250	KL01C10250		Kombolgie Fm.	medium grained sandstone	3	BH	PERV	Close-spaced fractures	83	269	dominant jointing and close spaced fractures perpendicular to main linear gully
KL010251	KL01C10251	sampled shear/breccia zone	Kombolgie Fm.	medium grained sandstone				Joint	89	286	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01C10251	sampled shear/breccia zone	Kombolgie Fm.	medium grained sandstone	3	BH	PERV	Breccia	84	232	interpeted sinistral strike slip movement
KL010251	KL01C10251	sampled shear/breccia zone	Kombolgie Fm.	medium grained sandstone	1	QZ	BX	Joint	89	168	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01W10251	10cm wide shear breccia zone	Kombolgie Fm.	medium grained sandstone	2	QZ	BX				near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01C10251	sampled shear/breccia zone	Kombolgie Fm.	medium grained sandstone	2	SIL	PERV	Riedel shears	78	222	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01C10251	sampled shear/breccia zone	Kombolgie Fm.	medium grained sandstone	1	HE	IRR	Slickensides	3	134	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01C10251	sampled shear/breccia zone	Kombolgie Fm.	medium grained sandstone				Bedding	3	110	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL010251	KL01M10251	second shear/breccia zone	Kombolgie Fm.	medium grained sandstone				Breccia	89	216	interpreted dextral movement
KL010251	KL01M10251	second shear/breccia zone	Kombolgie Fm.	medium grained sandstone				Riedel shears	88	241	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01M10251	second shear/breccia zone	Kombolgie Fm.	medium grained sandstone				Riedel shears	66	68	riedel primes
KL010251	KL01W10251	10cm wide shear breccia zone	Kombolgie Fm.	medium grained sandstone	1	HE	IRR				near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010251	KL01W10251	10cm wide shear breccia zone	Kombolgie Fm.	medium grained sandstone	3	BH	PERV	Breccia	84	232	near intersection of two converging small shear/breccia zones, one is interpreted as dextral and the other sinistral
KL010252	KL01C10252		Kombolgie Fm.	medium grained sandstone	2	QZ	VN	Joint	85	230	
KL010252	KL01C10252		Kombolgie Fm.	medium grained sandstone	2	BH	FRAC	Joint	89	4	
KL010252	KL01C10252		Kombolgie Fm.	medium grained sandstone	1	HED	BIR	Qtz/Dqz fracture	85	50	
KL010252	KL01C10252		Kombolgie Fm.	medium grained sandstone	2	HE	PERV	Qtz/Dqz fracture	89	286	
KL010252	KL01W10252	quartz vein shear zone 2cm wide	Kombolgie Fm.	medium grained sandstone	2	QZ	VN				
KL010252	KL01W10252	quartz vein shear zone 2cm wide	Kombolgie Fm.	medium grained sandstone	1	HE	IRR	Qtz/Dqz fracture	89	286	
KL010253	KL01W10253		Kombolgie Fm.	medium grained sandstone / shear	2	QZ	BX				interpreted as sinistral strike slip movement
KL010253	KL01W10253		Kombolgie Fm.	medium grained sandstone / shear	2	SIL	PERV				interpreted as sinistral strike slip movement
KL010253	KL01W10253		Kombolgie Fm.	medium grained sandstone / shear	3	BH	PERV	Shearing	72	294	interpreted as sinistral strike slip movement
KL010253	KL01C10253		Kombolgie Fm.	medium grained sandstone / shear	2	SIL	PERV	Joint	84	188	interpreted as sinistral strike slip movement
KL010253	KL01C10253		Kombolgie Fm.	medium grained sandstone / shear	1	HE	IRR	Riedel shears	78	282	interpreted as sinistral strike slip movement
KL010253	KL01C10253		Kombolgie Fm.	medium grained sandstone / shear	3	BH	PERV	Shearing	72	294	interpreted as sinistral strike slip movement
KL010253	KL01C10253		Kombolgie Fm.	medium grained sandstone / shear	2	QZ	BX	Bedding	2	140	interpreted as sinistral strike slip movement
KL010254	KL01W10254	narrow resistant quartz vein	Kombolgie Fm.	coarse grained sandstone	1	HE	IRR				several kilometres east of Ferricrete Anomaly; identical soft sediment slumping as at that anomaly
KL010254	KL01W10254	narrow resistant quartz vein	Kombolgie Fm.	coarse grained sandstone	2	BH	PERV				several kilometres east of Ferricrete Anomaly; identical soft sediment slumping as at that anomaly
KL010254	KL01C10254		Kombolgie Fm.	coarse grained sandstone	1	HE	BIR	Joint	88	330	several kilometres east of Ferricrete Anomaly; identical soft sediment slumping as at that anomaly
KL010254	KL01C10254		Kombolgie Fm.	coarse grained sandstone	2	WCY	INT	Paleocurrent direction		232	several kilometres east of Ferricrete Anomaly; identical soft sediment slumping as at that anomaly
KL010254	KL01W10254	narrow resistant quartz vein	Kombolgie Fm.	coarse grained sandstone	1	QZ	VN	Qtz/Dqz fracture	68	214	several kilometres east of Ferricrete Anomaly; identical soft sediment slumping as at that anomaly
KL010254	KL01C10254		Kombolgie Fm.	coarse grained sandstone	3	BH	PERV	Qtz/Dqz fracture	68	214	several kilometres east of Ferricrete Anomaly; identical soft sediment slumping as at that anomaly
KL010254	KL01C10254		Kombolgie Fm.	coarse grained sandstone				Bedding	16	106	bedding on entire hill slope is tilted
KL020001	KL02C10001		Gumarrimbang Sandstone	c. gr. Pebbly sandstone	2	BH	PERV	Bedding	5	181	Nungbalgarri clasts
KL020001	KL02C10001		Gumarrimbang Sandstone	c. gr. Pebbly sandstone				Joint	77	218	Nungbalgarri clasts
KL020001	KL02C10001		Gumarrimbang Sandstone	c. gr. Pebbly sandstone	2	WCY	MATR	Joint	71	158	Nungbalgarri clasts
KL020001	KL02C10001		Gumarrimbang Sandstone	c. gr. Pebbly sandstone	1	HER	PERV	crossbedding	14	206	Nungbalgarri clasts
KL020002	KL02C10002		Gumarrimbang Sandstone	m. - c. gr. Sandstone	2	BH	PERV	dqz fracture	79	305	
KL020002	KL02W10002	drusy quartz fractures	Gumarrimbang Sandstone	m. - c. gr. Sandstone	1	DQZ	FRAC				
KL020002	KL02C10002		Gumarrimbang Sandstone	m. - c. gr. Sandstone	2	WCY	MTC	Bedding	4	183	
KL020002	KL02C10002		Gumarrimbang Sandstone	m. - c. gr. Sandstone	1	WCY	MATR				
KL020002	KL02C10002		Gumarrimbang Sandstone	m. - c. gr. Sandstone	1	HER	PERV	Joint	88	16	
KL020003	KL02C10003	For Fe-oxide study only	Oenpelli Dolerite	v.c. gr. Oenpelli dolerite (pegmatitic dolerite)	3	RCY	SELV				Fe-oxide spectral sample for GZ. Plagioclase crystal up to 2.5 cm in size
KL020004	KL02W10004	white drusy quartz fractures and vug lining in fracture zone	Mamadewerre Sandstone	m. - f. gr. Sandstone	2	DQZ	FRAC				Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)
KL020004	KL02C10004		Mamadewerre Sandstone	m. - f. gr. Sandstone	3	BH	PAT	dqz fracture	56	246	Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)
KL020004	KL02C10004		Mamadewerre Sandstone	m. - f. gr. Sandstone	1	HER	PAT	dqz fracture	75	247	Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL020004	KL02C10004		Mamadewerre Sandstone	m. - f. gr. Sandstone	1	QZD	MATR	Bedding	3	52	Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)
KL020004	KL02C10004		Mamadewerre Sandstone	m. - f. gr. Sandstone	2	DQZ	FRAC	Joint	79	337	Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)
KL020004	KL02C10004		Mamadewerre Sandstone	m. - f. gr. Sandstone	2	DQZ	VUG				Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)
KL020004	KL02W10004	white drusy quartz fractures and vug lining in fracture zone	Mamadewerre Sandstone	m. - f. gr. Sandstone	2	DQZ	VUG				Near top of the Mamadewerre section, abundant weathered chalcedonic material on surface indicative of all that remains of the overlying Nungbalgarri volcanics (cherty silica are amygdules or polygonal joint fill)
KL020005	KL02C10005		Gumarrirbang Sandstone	v.c. pebbly sandstone	2	BH	BLOT				Nungbalgarri clasts
KL020005	KL02C10005		Gumarrirbang Sandstone	v.c. pebbly sandstone	2	HS	MATR				Nungbalgarri clasts
KL020005	KL02C10005		Gumarrirbang Sandstone	v.c. pebbly sandstone	2	BH	SPOT				Nungbalgarri clasts
KL020005	KL02C10005		Gumarrirbang Sandstone	v.c. pebbly sandstone	2	HED	PERV				Nungbalgarri clasts
KL020006	KL02C10006		Gumarrirbang Sandstone	c. gr. Sandstone	1	QZD	MATR				
KL020006	KL02C10006		Gumarrirbang Sandstone	c. gr. Sandstone	2	BH	PERV	Fault	70	284	4 cm apparent reverse offset
KL020006	KL02C10006		Gumarrirbang Sandstone	c. gr. Sandstone	1	HER	PERV	Bedding	3	18	
KL020006	KL02W10006	Silicified healed fault	Gumarrirbang Sandstone	c. gr. Sandstone	1	SIL	FT				
KL020007	KL02W10007	Silicified fractures with minor DQZ = healed fault	Mamadewerre Sandstone	m. - c. gr. Sandstone	3	HER	SELV				
KL020007	KL02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	2	HER	PERV	Bedding	7	93	
KL020007	KL02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	QZD	MATR	crossbedding	15	126	
KL020007	KL02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	BLOT	Fault	81	62	1 cm right lateral strike slip offset
KL020007	KL02W10007	Silicified fractures with minor DQZ = healed fault	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	SIL	FRAC				
KL020007	KL02W10007	Silicified fractures with minor DQZ = healed fault	Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	FRAC				
KL020007	KL02W10007	Silicified fractures with minor DQZ = healed fault	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	DQZ	FRAC				
KL020008	KL02W10008	Drusy Quartz fractures and along bedding planes	Mamadewerre Sandstone	c. gr. Sandstone	2	HER	SELV				
KL020008	KL02W10008	Drusy Quartz fractures and along bedding planes	Mamadewerre Sandstone	c. gr. Sandstone	3	BH	FRAC				
KL020008	KL02W10008	Drusy Quartz fractures and along bedding planes	Mamadewerre Sandstone	c. gr. Sandstone	2	DQZ	BED				
KL020008	KL02W10008	Drusy Quartz fractures and along bedding planes	Mamadewerre Sandstone	c. gr. Sandstone	2	DQZ	FRAC				
KL020008	KL02C10008		Mamadewerre Sandstone	c. gr. Sandstone	1	QZD	MATR	Bedding	4	336	
KL020008	KL02C10008		Mamadewerre Sandstone	c. gr. Sandstone	1	WCY	MATR	crossbedding	24	48	
KL020008	KL02C10008		Mamadewerre Sandstone	c. gr. Sandstone	3	HER	BLOT	crossbedding	9	306	
KL020008	KL02C10008		Mamadewerre Sandstone	c. gr. Sandstone	3	BH	PERV	crossbedding	28	258	
KL020008	KL02C10008		Mamadewerre Sandstone	c. gr. Sandstone	2	DQZ	FRAC	dqz breccia	83	141	
KL020008	KL02C10008		Mamadewerre Sandstone	c. gr. Sandstone	1	DQZ	BED	Bedding	5	338	
KL020009	KL02W10009	4-5 m wide sheared breccia zone	Gumarrirbang Sandstone	c. gr. Sandstone	1	WCY	BX				In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02W10009	4-5 m wide sheared breccia zone	Gumarrirbang Sandstone	c. gr. Sandstone	2	HER	SELV				In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02C10009		Gumarrirbang Sandstone	c. gr. Sandstone	1	WCY	BX				In footwall of the Goomadeer thrust south of Ranger Fault

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL020009	KL02W10009	4-5 m wide sheared breccia zone	Gumarrimbang Sandstone	c. gr. Sandstone	2	SIL	BX				In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02C10009		Gumarrimbang Sandstone	c. gr. Sandstone	2	HER	SELV				In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02W10009	4-5 m wide sheared breccia zone	Gumarrimbang Sandstone	c. gr. Sandstone	1	DQZ	BX				In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02W10009	4-5 m wide sheared breccia zone	Gumarrimbang Sandstone	c. gr. Sandstone	3	BH	BX				In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02C10009		Gumarrimbang Sandstone	c. gr. Sandstone	2	SIL	BX	Shearing	59	296	Intersection of R and main structure = reverse ft
KL020009	KL02C10009		Gumarrimbang Sandstone	c. gr. Sandstone	1	DQZ	BX	Riedel shears	80	97	In footwall of the Goomadeer thrust south of Ranger Fault
KL020009	KL02C10009		Gumarrimbang Sandstone	c. gr. Sandstone	3	BH	BX	P shears	82	296	In footwall of the Goomadeer thrust south of Ranger Fault
KL020010	KL02C10010		Nungbalgarri Volcanics	Vesicular amygdaloidal flow banded mafic volcanic	2	HER	MTC	Joint	81	216	
KL020010	KL02C10010		Nungbalgarri Volcanics	Vesicular amygdaloidal flow banded mafic volcanic	3	SIL		Joint	84	110	
KL020010	KL02C10010		Nungbalgarri Volcanics	Vesicular amygdaloidal flow banded mafic volcanic	3	CL	MATR	Bedding	4	52	
KL020011	KL02W10011	DQZ and bleached hematitic fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	3	HER	SELV				
KL020011	KL02W10011	DQZ and bleached hematitic fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	SIL	PERV				
KL020011	KL02W10011	DQZ and bleached hematitic fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	FRAC				
KL020011	KL02C10011		Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	PERV	Bedding	3	268	
KL020011	KL02C10011		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	QZD	MATR	crossbedding	15	218	
KL020011	KL02C10011		Mamadewerre Sandstone	m. - c. gr. Sandstone				Joint	79	96	
KL020011	KL02C10011		Mamadewerre Sandstone	m. - c. gr. Sandstone				Joint	75	9	
KL020011	KL02W10011	DQZ and bleached hematitic fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	DQZ	FRAC				
KL020012	KL02C10012		Mamadewerre Sandstone	c. gr. Sandstone	2	HER	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02W10012	3-4 m wide shear breccia	Mamadewerre Sandstone	c. gr. Sandstone	2	HER	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02C10012		Mamadewerre Sandstone	c. gr. Sandstone	2	SIL	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02W10012	3-4 m wide shear breccia	Mamadewerre Sandstone	c. gr. Sandstone	2	SIL	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02W10012	3-4 m wide shear breccia	Mamadewerre Sandstone	c. gr. Sandstone	2	SIL	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02W10012	3-4 m wide shear breccia	Mamadewerre Sandstone	c. gr. Sandstone	1	DQZ	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02C10012		Mamadewerre Sandstone	c. gr. Sandstone	1	DQZ	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020012	KL02C10012		Mamadewerre Sandstone	c. gr. Sandstone	2	SIL	BX				Only sampleable material was float/subcrop not bedrock - no structural information gained
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	3	HER	LM				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	2	LI	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	3	HER	LM				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	1	DQZ	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	3	SIL	PERV				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	2	HS	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	2	HS	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	3	HER	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	3	HER	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	1	DQZ	VUG	Riedel shears	84	217	Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	1	DQZ	FRAC	Shearing	85	205	Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	3	SIL	PERV	Bedding	11	179	Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02C10013		Mamadewerre Sandstone	f. gr. Sandstone	2	LI	FRAC				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020013	KL02W10013	3.5 metre brittle sheared breccia	Mamadewerre Sandstone	f. gr. Sandstone	1	DQZ	VUG				Volcanic rubble 130 cps - sandstone outcrop 65 maximum. Breccia is immediately below the Nungbalgarri Volcanics
KL020014	KL02C10014		Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	1	QZD	MATR	dqz fracture	81	302	Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02C10014		Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	3	BH	PERV				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02C10014		Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	2	WCY	INT				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02C10014		Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	1	LI	INT				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02W10014	DQZ fractures	Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	1	QZD	MATR				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02W10014	DQZ fractures	Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	2	DQZ	FRAC				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02W10014	DQZ fractures	Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	3	BH	PERV				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02W10014	DQZ fractures	Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	2	WCY	INT				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02W10014	DQZ fractures	Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	1	LI	INT				Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020014	KL02C10014		Mamadewerre Sandstone	v.c. gr. Pebbly granulestone with rare cobbles	2	DQZ	FRAC	Riedel shears	75	331	Altered Oenpelli soil up to 720 cps - overlying sandstone 15 m higher up section 35 cps maximum
KL020015	KL02W10015	DQZ fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	DQZ	FRAC				
KL020015	KL02C10015		Mamadewerre Sandstone	m. - c. gr. Sandstone	2	HER	BLOT	dqz fracture	82	87	
KL020015	KL02C10015		Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	BLOT	Bedding	14	81	
KL020015	KL02W10015	DQZ fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	DQZ	FRAC				
KL020015	KL02C10015		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	DQZ	FRAC				
KL020015	KL02C10015		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	QZD	MATR				
KL020015	KL02W10015	DQZ fractures	Mamadewerre Sandstone	m. - c. gr. Sandstone	2	QZD	MATR				
KL020016	KL02C10016		Nungbalgarri Volcanics	aphanitic to amygdaloidal volcanic	2	HER	MTC				Nungbalgarri float in lateritic gravels
KL020016	KL02C10016		Nungbalgarri Volcanics	aphanitic to amygdaloidal volcanic	3	CL	MTC				Nungbalgarri float in lateritic gravels
KL020017	KL02W10017	2 metre wide silicified breccia	Mamadewerre Sandstone	m. gr. Sandstone	3	DQZ	BX				Tilted bedding moderate;y to the northeast
KL020017	KL02C10017		Mamadewerre Sandstone	m. gr. Sandstone	1	QZD	MATR				Tilted bedding moderate;y to the northeast
KL020017	KL02C10017		Mamadewerre Sandstone	m. gr. Sandstone	2	HER	PERV				Tilted bedding moderate;y to the northeast
KL020017	KL02C10017		Mamadewerre Sandstone	m. gr. Sandstone	3	DQZ	BX	Bedding	13	47	Tilted bedding moderate;y to the northeast
KL020017	KL02C10017		Mamadewerre Sandstone	m. gr. Sandstone	3	SIL	PERV				Tilted bedding moderate;y to the northeast
KL020018	KL02C10018		Mamadewerre Sandstone	f. gr. Sandstone	1	QZ	VN	Lineation	4	170	Strike-slip slickenside lineation
KL020018	KL02C10018		Mamadewerre Sandstone	f. gr. Sandstone	1	DQZ	FRAC	Shearing	75	241	Hematitic silicified breccia
KL020018	KL02C10018		Mamadewerre Sandstone	f. gr. Sandstone	3	SIL	PERV	Bedding	46	54	Hematitic silicified breccia
KL020018	KL02C10018		Mamadewerre Sandstone	f. gr. Sandstone	2	HER	PERV	Breccia	84	256	Hematitic silicified breccia
KL020019	KL02C10019		Mamadewerre Sandstone	v.f. gr. Sandstone	2	SIL	PERV				Thin altered sandstone immediately overlying Tin Camp granite, alternatively it is -Pgt chilled margin

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KL020019	KL02C10019		Mamadewerre Sandstone	v.f. gr. Sandstone	1	WCY	PERV				Thin altered sandstone immediately overlying Tin Camp granite, alternatively it is -Pgt chilled margin
KL020021	KL02C10021		Nungbalgarri Volcanics	Weathered aphanitic Nungbalgarri Volcanic float	3	HER	PERV				From Uranerz Trench 1 off the road to KRD-0020
KL020021	KL02C10021		Nungbalgarri Volcanics	Weathered aphanitic Nungbalgarri Volcanic float	1	HS	MTC				From Uranerz Trench 1 off the road to KRD-0020
KL020021	KL02C10021		Nungbalgarri Volcanics	Weathered aphanitic Nungbalgarri Volcanic float	2	LI	FRAC				From Uranerz Trench 1 off the road to KRD-0020
KL020022	KL02M10022		Gumarrimbang Sandstone	m. - c. gr. Sandstone							From historical area of "radioactive sandstone boulders" in Black Range promotional material
KL020022	KL02M10022		Gumarrimbang Sandstone	m. - c. gr. Sandstone				Crossbedding	23	231	From historical area of "radioactive sandstone boulders" in Black Range promotional material
KL020022	KL02M10022		Gumarrimbang Sandstone	m. - c. gr. Sandstone				Bedding	6	333	From historical area of "radioactive sandstone boulders" in Black Range promotional material
KL020023	KL02C10023		Nungbalgarri Volcanics	Altered/weathreed amygdaloidal Nungbalgarri	3	CL	PERV				Predominantly green uranium secondaries (metatorbiernite) with subordinate yellow uranium secondaries (autunite)
KL020023	KL02C10023		Nungbalgarri Volcanics	Altered/weathreed amygdaloidal Nungbalgarri	1	U2nd	FRAC				Predominantly green uranium secondaries (metatorbiernite) with subordinate yellow uranium secondaries (autunite)
KL020023	KL02C10023		Nungbalgarri Volcanics	Altered/weathreed amygdaloidal Nungbalgarri	2	LI	FRAC				Predominantly green uranium secondaries (metatorbiernite) with subordinate yellow uranium secondaries (autunite)
KL020024	KL02C10024		Mamadewerre Sandstone	f. gr. Sandstone	1	HED	PERV				Outcrop = 38 cps maximum. Lateritic anomaly = 210 maximum
KL020024	KL02C10024		Mamadewerre Sandstone	f. gr. Sandstone	1	SIL	MATR	Bedding	11	44	Outcrop = 38 cps maximum. Lateritic anomaly = 210 maximum
KL020024	KL02C10024		Mamadewerre Sandstone	f. gr. Sandstone	2	HER	BLOT				Outcrop = 38 cps maximum. Lateritic anomaly = 210 maximum
KL020024	KL02C10024		Mamadewerre Sandstone	f. gr. Sandstone	2	BH	BLOT				Outcrop = 38 cps maximum. Lateritic anomaly = 210 maximum
KL020026	KL02C10026		Gumarrimbang Sandstone	Laterite	3	LI	PERV				Limonitic ferricrete float, fist-sized = 2750 cps
KL020026	KL02C10026		Gumarrimbang Sandstone	Laterite	2	HS	PERV				Limonitic ferricrete float, fist-sized = 2750 cps
KL020027	KL02W10027	DQZ fractures and veinlets	Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	2	SIL	FRAC				
KL020027	KL02W10027	DQZ fractures and veinlets	Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	2	DQZ	FRAC				
KL020027	KL02C10027		Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	3	BH	PERV	dqz breccia	76	295	
KL020027	KL02C10027		Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	1	WCY	MATR	Lineation	4	24	Interpreted dextral slip
KL020027	KL02C10027		Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	1	HER	BLOT	Bedding	6	60	
KL020027	KL02C10027		Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	2	DQZ	FRAC	Crossbedding	14	203	
KL020027	KL02C10027		Mamadewerre Sandstone	v.c. pebbly sandstone ot granulestone	1	QZD	MATR				
KL020028	KL02C10028		Mamadewerre Sandstone	f. gr. Sandstone	2	SIL	PERV	Bedding	15	359	Bedding dips away from apex of hill radially in all directions
KL020028	KL02C10028		Mamadewerre Sandstone	f. gr. Sandstone	2	HED	PERV				Bedding dips away from apex of hill radially in all directions
KL020028	KL02C10028		Mamadewerre Sandstone	f. gr. Sandstone	2	BH	BLOT				Bedding dips away from apex of hill radially in all directions
KL020029	KL02M10029		Mamadewerre Sandstone	f. gr. Sandstone				Bedding	14	297	Bedding dips away from apex of hill radially in all directions
KL020030	KL02M10030		Mamadewerre Sandstone	f. gr. Sandstone				Bedding	16	74	Bedding dips away from apex of hill radially in all directions
KL020031	KL02M10031		Mamadewerre Sandstone	f. gr. Sandstone				Bedding	14	96	Bedding dips away from apex of hill radially in all directions
KL020032	KL02M10032		Mamadewerre Sandstone	f. gr. Sandstone				Bedding	10	151	Bedding dips away from apex of hill radially in all directions
KL020033	KL02M10033		Mamadewerre Sandstone	f. gr. Sandstone				Bedding	24	247	Bedding dips away from apex of hill radially in all directions
KL020034	KL02M10034		Mamadewerre Sandstone	f. gr. Sandstone				Bedding	21	271	Bedding dips away from apex of hill radially in all directions
KL020200	KL02C10200		Gumarrimbang Sandstone	medium grained sandstone	1	SIL	PERV	Bedding	1	270	
KL020200	KL02C10200		Gumarrimbang Sandstone	medium grained sandstone				Joint	85	271	possible riedels
KL020200	KL02C10200		Gumarrimbang Sandstone	medium grained sandstone	2	SIL	FRAC	Joint	68	320	
KL020200	KL02C10200		Gumarrimbang Sandstone	medium grained sandstone	1	HE	BIR	Silicified fractures	90	128	

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL020200	KL02C10200		Gumarrimbang Sandstone	medium grained sandstone	3	BH	BIR	Joint	66	157	
KL020201	KL02C10201		Gumarrimbang Sandstone	medium to coarse grained sandstone	3	BH	PERV	Joint	85	298	
KL020201	KL02C10201		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	HE	BIR	Joint	85	8	
KL020201	KL02C10201		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	NOX	BLOT	Joint	85	55	
KL020201	KL02C10201		Gumarrimbang Sandstone	medium to coarse grained sandstone				Bedding	1	7	
KL020201	KL02C10201		Gumarrimbang Sandstone	medium to coarse grained sandstone				crossbedding	23	101	
KL020202	KL02C10202		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	QZ	FRAC				quartz veining possibly caused by proximity to Oenpelli dolerite
KL020202	KL02C10202		Gumarrimbang Sandstone	medium to coarse grained sandstone	2	HE	SURF				quartz veining possibly caused by proximity to Oenpelli dolerite
KL020202	KL02C10202		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	HE	BIR	Joint	85	300	quartz veining possibly caused by proximity to Oenpelli dolerite
KL020202	KL02C10202		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	WCY	INT				quartz veining possibly caused by proximity to Oenpelli dolerite
KL020202	KL02C10202		Gumarrimbang Sandstone	medium to coarse grained sandstone	3	BH	PERV	Bedding	1	123	quartz veining possibly caused by proximity to Oenpelli dolerite
KL020203	KL02C10203		Gumarrimbang Sandstone	medium to coarse grained sandstone	2	OCY	BLOT				
KL020203	KL02C10203		Gumarrimbang Sandstone	medium to coarse grained sandstone	2	BH	PERV	Joint	85	6	
KL020203	KL02C10203		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	HE	PERV	Joint	60	352	
KL020204	KL02C10204	loose block on surface	Gumarrimbang Sandstone	coase grained sandstone	3	BH	PERV				
KL020204	KL02C10204	loose block on surface	Gumarrimbang Sandstone	coase grained sandstone	3	WCY	BLOT				
KL020204	KL02C10204	loose block on surface	Gumarrimbang Sandstone	coase grained sandstone	1	WCY	INT				
KL020204	KL02C10204	loose block on surface	Gumarrimbang Sandstone	coase grained sandstone	1	SIL	PERV				
KL020204	KL02C10204	loose block on surface	Gumarrimbang Sandstone	coase grained sandstone	1	LI	FRAC				
KL020204	KL02C10204	loose block on surface	Gumarrimbang Sandstone	coase grained sandstone	1	HE	IRR				
KL020205	KL02C10205		Mamadewerre Sandstone	medium grained sandstone	2	BH	PERV	Joint	77	348	within 50m of the Ranger Fault trend
KL020205	KL02C10205		Mamadewerre Sandstone	medium grained sandstone	1	SIL	PERV	Silicified fractures	83	160	dominnt joint trend
KL020205	KL02C10205		Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV	Joint	87	234	within 50m of the Ranger Fault trend
KL020205	KL02C10205		Mamadewerre Sandstone	medium grained sandstone	2	HE	SPOT				within 50m of the Ranger Fault trend
KL020205	KL02C10205		Mamadewerre Sandstone	medium grained sandstone	2	SIL	FRAC	Joint	81	280	within 50m of the Ranger Fault trend
KL020206	KL02C10206		Mamadewerre Sandstone	medium grained sandstone				Joint	87	107	approximately 120m from the Ranger Fult trend
KL020206	KL02C10206		Mamadewerre Sandstone	medium grained sandstone	2	BH	PERV	Joint	85	14	approximately 120m from the Ranger Fult trend
KL020206	KL02C10206		Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV	Qtz/Dqz fracture	85	52	approximately 120m from the Ranger Fult trend
KL020206	KL02W10206	thin quartz veining	Mamadewerre Sandstone	medium grained sandstone	2	HE	PERV	Qtz/Dqz fracture	85	52	approximately 120m from the Ranger Fult trend
KL020206	KL02C10206		Mamadewerre Sandstone	medium grained sandstone				Bedding	1	215	approximately 120m from the Ranger Fult trend
KL020207	KL02C10207		Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	BH	PERV	Bedding	5	72	Nungbalgarrie clasts, quartzite clasts within pebbly coarse grained sandstone
KL020207	KL02C10207		Gumarrimbang Sandstone	pebbly coarse grained sandstone	1	he	IRR	crossbedding	19	174	Nungbalgarrie clasts, quartzite clasts within pebbly coarse grained sandstone
KL020207	KL02C10207		Gumarrimbang Sandstone	pebbly coarse grained sandstone	1	SIL	PERV				Nungbalgarrie clasts, quartzite clasts within pebbly coarse grained sandstone
KL020207	KL02C10207		Gumarrimbang Sandstone	pebbly coarse grained sandstone	1	WCY	INT				Nungbalgarrie clasts, quartzite clasts within pebbly coarse grained sandstone
KL020208	KL02C10208		Gumarrimbang Sandstone	medium grained sandstone	2	HED	PERV	Silicified fractures	80	300	
KL020208	KL02C10208		Gumarrimbang Sandstone	medium grained sandstone	1	BH	PERV				
KL020208	KL02W10208	siliceous deformation bands	Gumarrimbang Sandstone	medium grained sandstone	2	BH	PERV	Silicified fractures	80	300	
KL020208	KL02W10208	siliceous deformation bands	Gumarrimbang Sandstone	medium grained sandstone	1	HE	PERV				

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KL020208	KL02C10208		Gumarrimbang Sandstone	medium grained sandstone	1	HE	IRR				
KL020208	KL02C10208		Gumarrimbang Sandstone	medium grained sandstone	2	BH	FRAC	Silicified fractures	86	331	
KL020208	KL02W10208	siliceous deformation bands	Gumarrimbang Sandstone	medium grained sandstone	1	SIL	FRAC	Silicified fractures	86	331	
KL020208	KL02C10208		Gumarrimbang Sandstone	medium grained sandstone	1	HE	FRAC	Bedding	2	115	
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone				Joint	56	40	
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone	1	HE	IRR	Breccia	75	338	
KL020209	KL02W10209	intense 10cm deformation band / breccia	Gumarrimbang Sandstone	brecciated medium grained sandstone	1	SIL	PERV				
KL020209	KL02W10209	intense 10cm deformation band / breccia	Gumarrimbang Sandstone	brecciated medium grained sandstone	2	SIL	FRAC				
KL020209	KL02W10209	intense 10cm deformation band / breccia	Gumarrimbang Sandstone	brecciated medium grained sandstone	3	BH	PERV	Breccia	85	328	
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone				Fracturing	66	280	closely spaced fracturing
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone	2	HE	IRR	Breccia	85	328	
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone	1	SIL	FRAC	Joint	68	296	
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone	2	BH	PERV	Riedel shears	85	342	
KL020209	KL02C10209		Gumarrimbang Sandstone	brecciated medium grained sandstone				Joint	75	348	
KL020210	KL02W10210	drusy quartz fractures	Gumarrimbang Sandstone	medium to coarse grained sandstone	2	QZ	VN	Qtz/Dqz fracture	85	331	
KL020210	KL02W10210	drusy quartz fractures	Gumarrimbang Sandstone	medium to coarse grained sandstone	1	HE	PERV				
KL020210	KL02C10210		Gumarrimbang Sandstone	medium to coarse grained sandstone	3	BH	FRAC				
KL020210	KL02C10210		Gumarrimbang Sandstone	medium to coarse grained sandstone	2	QZ	FRAC	Bedding	6	116	
KL020210	KL02C10210		Gumarrimbang Sandstone	medium to coarse grained sandstone	2	HE	BLOT	crossbedding	11	128	
KL020210	KL02C10210		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	WCY	BLOT	ripples	81	313	
KL020210	KL02C10210		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	HE	PERV	Qtz/Dqz fracture	85	331	
KL020211	KL02C10211		Gumarrimbang Sandstone	pebbly coarse grained sandstone	2	WCY	INT	Joint	89	220	
KL020211	KL02C10211		Gumarrimbang Sandstone	pebbly coarse grained sandstone	1	QZ	FRAC	Bedding	1	293	
KL020211	KL02C10211		Gumarrimbang Sandstone	pebbly coarse grained sandstone				crossbedding	10	169	
KL020211	KL02W10211	drusy quartz veins/fractures	Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	BH	PERV	Qtz/Dqz fracture	89	124	
KL020211	KL02W10211	drusy quartz veins/fractures	Gumarrimbang Sandstone	pebbly coarse grained sandstone	2	DQZ	VN				
KL020211	KL02C10211		Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	BH	PERV	Qtz/Dqz fracture	89	124	
KL020212	KL02W10212	chaotic drusy quartz veining	Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	DQZ	VN				
KL020212	KL02C20212	weakly anomalous in gamma total counts 150cps	Gumarrimbang Sandstone	pebbly coarse grained sandstone	2	HER	SPOT				
KL020212	KL02C20212	weakly anomalous in gamma total counts 150cps	Gumarrimbang Sandstone	pebbly coarse grained sandstone	2	WCY	INT				
KL020212	KL02C20212	weakly anomalous in gamma total counts 150cps	Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	BH	FRAC				
KL020212	KL02C10212		Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	BH	PERV	Joint	86	220	
KL020212	KL02C10212		Gumarrimbang Sandstone	pebbly coarse grained sandstone	3	DQZ	VN	Joint	81	134	
KL020212	KL02C20212	weakly anomalous in gamma total counts 150cps	Gumarrimbang Sandstone	pebbly coarse grained sandstone	1	HE	PERV				
KL020212	KL02C10212		Gumarrimbang Sandstone	pebbly coarse grained sandstone	1	WCY	INT	Bedding	2	270	
KL020214	KL02C10214		Mamadewerre Sandstone	medium grained sandstone				Lineation	2	78	Goomadeer Thrust Fault
KL020214	KL02C10214		Mamadewerre Sandstone	medium grained sandstone	3	BH	BIR	Lineation	44	21	Goomadeer Thrust Fault
KL020214	KL02C10214		Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV	Joint	69	278	possible orientation of fault plane

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KL020214	KL02C10214		Mamadewerre Sandstone	medium grained sandstone	2	HE	SPOT	Joint	88	183	Goomadeer Thrust Fault
KL020215	KL02C10215	rhombic blocks of quartzite with limonitic stockwork fractures after sulphides?	Mamadewerre Sandstone	very silicified sandstone "quartzite"	1	DQZ	FRAC				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02W20215	gossaneous vug infilled with limonite	Mamadewerre Sandstone	very silicified sandstone "quartzite"	3	LI	VUG				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02W10215	limonite fractures within quartzite	Mamadewerre Sandstone	very silicified sandstone "quartzite"	2	LI	FRAC				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02W10215	limonite fractures within quartzite	Mamadewerre Sandstone	very silicified sandstone "quartzite"	1	DQZ	FRAC				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02C20215	altered dolerite	Mamadewerre Sandstone	very silicified sandstone "quartzite"	2	HE	MTC				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02C10215	rhombic blocks of quartzite with limonitic stockwork fractures after sulphides?	Mamadewerre Sandstone	very silicified sandstone "quartzite"	2	LI	FRAC				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02C10215	rhombic blocks of quartzite with limonitic stockwork fractures after sulphides?	Mamadewerre Sandstone	very silicified sandstone "quartzite"	3	SIL	PERV				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020215	KL02C20215	altered dolerite	Mamadewerre Sandstone	very silicified sandstone "quartzite"	2	GCY	MTC				rubby scree slope into shallow gully. Quartzite present as thin veneer covering flatish hill tops with minor dolerite and Phn. Station may have proximal dolerite sill intruded between Phe and Phn
KL020216	KL02C10216	loose boulder of amygdule rich volcanic cut with dusy quartz veinig and chalcedonic quartz	Nungbalgarri Volcanics	amygdule rich basic volcanic	3	QZ	VUG				
KL020217	KL02C10217		Mamadewerre Sandstone	pebbly granule stone	1	DQZ	VN				
KL020217	KL02C10217		Mamadewerre Sandstone	pebbly granule stone	1	HE	IRR	crossbedding	20	238	
KL020217	KL02C10217		Mamadewerre Sandstone	pebbly granule stone	2	QZ	VN				
KL020217	KL02C10217		Mamadewerre Sandstone	pebbly granule stone	3	BH	PERV	Qtz/Dqz fracture	89	124	
KL020217	KL02C10217		Mamadewerre Sandstone	pebbly granule stone	1	WCY	INT				
KL020218	KL02C10218		Mamadewerre Sandstone	fine grained sandstone	3	BH	PERV	Fracturing	77	277	tilted bedding; ripples show the rotation of bedding
KL020218	KL02C10218		Mamadewerre Sandstone	fine grained sandstone	1	SIL	PERV	Bedding	42	82	ripples on bedding surface
KL020218	KL02C10218		Mamadewerre Sandstone	fine grained sandstone				Lineation	5	4	linneation on bedding surface
KL020219	KL02C10219	silicified fault breccia	Mamadewerre Sandstone	silicified fault breccia	3	SIL	PERV	Breccia	82	78	unable to determinate orientation of movement
KL020219	KL02C10219	silicified fault breccia	Mamadewerre Sandstone	silicified fault breccia	1	HE	BX	Breccia	69	74	unable to determinate orientation of movement
KL020219	KL02C10219	silicified fault breccia	Mamadewerre Sandstone	silicified fault breccia				Joint	54	48	unable to determinate orientation of movement
KL020219	KL02C10219	silicified fault breccia	Mamadewerre Sandstone	silicified fault breccia				Joint	70	181	unable to determinate orientation of movement
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone				crossbedding	20	334	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02W10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone				Qtz/Dqz fracture	81	289	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02W10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone	3	BH	PERV	Qtz/Dqz fracture	86	270	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02W10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone	2	QZ	VN	Qtz/Dqz fracture	83	70	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone	1	HE	IRR	Fracturing	81	227	ferrigenous radioactive fractures
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone				Riedel shears	84	306	apparent sinistral movement
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone				Silicified fractures	84	319	siliceous deformation band

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KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone				Qtz/Dqz fracture	81	289	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone	3	BH	PERV	Qtz/Dqz fracture	83	70	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone	1	WCY	INT	Qtz/Dqz fracture	86	270	radioactivity appears to be related to ferrigenous NNW trending joints
KL020221	KL02C10221		Mamadewerre Sandstone	pebbly very coarse grained sandstone				Bedding	2	196	radioactivity appears to be related to ferrigenous NNW trending joints
KL020222	KL02C10222	45cm wide silicified fault breccia with heavy fracturing over 1.5m	Mamadewerre Sandstone	silicified fault breccia	1	HE	IRR	Slickensides	10	191	apparent sinistral strike slip movement with a minor component on dip slip
KL020222	KL02C10222	45cm wide silicified fault breccia with heavy fracturing over 1.5m	Mamadewerre Sandstone	silicified fault breccia	3	BH	PERV	Breccia	87	100	apparent sinistral strike slip movement with a minor component on dip slip
KL020222	KL02C10222	45cm wide silicified fault breccia with heavy fracturing over 1.5m	Mamadewerre Sandstone	silicified fault breccia	3	SIL	PERV	Riedel shears	89	261	apparent sinistral strike slip movement with a minor component on dip slip
KL020223	KL02C10223		Mamadewerre Sandstone	pebbly very coarse grained sandstone	3	BH	PERV	Fracturing	87	58	radioactive relating fractures
KL020223	KL02C10223		Mamadewerre Sandstone	pebbly very coarse grained sandstone	2	WCY	INT	Joint	87	316	radioactivity appears to be relating to ferrigenous NNW joints
KL020223	KL02C10223		Mamadewerre Sandstone	pebbly very coarse grained sandstone	1	HE	IRR	Joint	86	134	radioactivity appears to be relating to ferrigenous NNW joints
KL020224	KL02W10224	weakly silicified joint surface within radioactive zone	Mamadewerre Sandstone	coarse to very coarse grained sandstone	3	WCY	FRAC				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02W10224	weakly silicified joint surface within radioactive zone	Mamadewerre Sandstone	coarse to very coarse grained sandstone	2	SIL	PERV	Fracturing	68	284	radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C20224	sample records 900cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	1	WCY	INT				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C20224	sample records 900cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	3	BH	PERV				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C20224	sample records 900cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	1	HE	SPOT				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C20224	sample records 900cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	1	SIL	PERV				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C10224	sample records 4500cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	1	HER	SPEC				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C10224	sample records 4500cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	1	LI	FRAC				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C10224	sample records 4500cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	2	WCY	FRAC	Joint	68	284	weak silicification trend relates to radioactivity
KL020224	KL02C10224	sample records 4500cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	1	WCY	INT				radioactivity appears to be thorium relating to weak silicification along trend from the silicified fault breccia within incised gully 80m to the SSW
KL020224	KL02C10224	sample records 4500cps	Mamadewerre Sandstone	coarse to very coarse grained sandstone	3	BH	PERV	Joint	71	54	dominant jointing
KL020225	KL02C10225			ferricrete	1	HS	LM				saprolite in bottom of stream bed records 15800cps total gamma counts
KL020225	KL02C10225			ferricrete	3	HE	PERV				saprolite in bottom of stream bed records 15800cps total gamma counts
KL020226	KL02C10226			ferricrete	2	HS	LM				sand in the bottom of a sediment trap site records 9850cps total gamma and is attributed to U
KL020226	KL02C10226			ferricrete	3	LI	PERV				sand in the bottom of a sediment trap site records 9850cps total gamma and is attributed to U
KL020226	KL02C10226			ferricrete	1	QZ	VN				sand in the bottom of a sediment trap site records 9850cps total gamma and is attributed to U
KL020226	KL02W20226	weathered clay altered ferrigenous pieces from saprolitic layer beneath sands in gully bottom		ferricrete	3	LI	PERV				sand in the bottom of a sediment trap site records 9850cps total gamma and is attributed to U
KL020227	KL02C10227			ferricrete	3	LI	PERV				18000cps recorded on small boulder of ferricrete material
KL020227	KL02C10227			ferricrete	1	HS	LM				18000cps recorded on small boulder of ferricrete material
KL020228	KL02C10228		Gumarrimbang Sandstone	medium to coarse grained sandstone	3	BH	IRR				
KL020228	KL02C10228		Gumarrimbang Sandstone	medium to coarse grained sandstone	1	HER	PERV	crossbedding	17	97	
KL020229	KL02C10229		Mamadewerre Sandstone	fine to medium grained sandstone	1	HE	PERV	Silicified fractures	88	106	thin silicified fractures have dextral strike slip
KL020229	KL02C10229		Mamadewerre Sandstone	fine to medium grained sandstone	2	SIL	PERV	Joint	65	219	

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KL020229	KL02C10229		Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	11	326	
KL020230	KL02C10230		Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV	Bedding	18	69	planar cliff face may be surface expression of a interpreted normal dip-slip fault
KL020230	KL02C10230		Mamadewerre Sandstone	medium grained sandstone	2	BH	PERV	Joint	86	126	planar cliff face may be surface expression of a interpreted normal dip-slip fault
KL020230	KL02C10230		Mamadewerre Sandstone	medium grained sandstone				Fault cleavage	60	224	interpreted normal dip-slip fault
KL020230	KL02C10230		Mamadewerre Sandstone	medium grained sandstone				Joint	82	216	planar cliff face may be surface expression of a interpreted normal dip-slip fault
KL020231	KL02C10231		Mamadewerre Sandstone	medium grained sandstone	3	HED	PERV	dqz breccia	58	229	probable dextral strike slip
KL020231	KL02C10231		Mamadewerre Sandstone	medium grained sandstone	3	DQZ	VN	dqz breccia	53	227	main drusy quartz trend is 315 NW which is parallel to the linear valley interpreted to be the expression of a reverse fault
KL020231	KL02C10231		Mamadewerre Sandstone	medium grained sandstone				Bedding	25	30	main drusy quartz trend is 315 NW which is parallel to the linear valley interpreted to be the expression of a reverse fault
KL020231	KL02C10231		Mamadewerre Sandstone	medium grained sandstone				Riedel shears	70	335	main drusy quartz trend is 315 NW which is parallel to the linear valley interpreted to be the expression of a reverse fault
KL020231	KL02C10231		Mamadewerre Sandstone	medium grained sandstone	1	HEM	LM	dqz breccia	69	223	main drusy quartz trend is 315 NW which is parallel to the linear valley interpreted to be the expression of a reverse fault
KL020232	KL02M10232		Mamadewerre Sandstone	medium grained sandstone				Bedding	43	53	tilted bedding
KL020233	KL02C10233		Mamadewerre Sandstone	fine grained sandstone	2	SIL	PERV	Bedding	1	44	
KL020233	KL02C10233		Mamadewerre Sandstone	fine grained sandstone	1	HE	IRR				
KL020233	KL02C10233		Mamadewerre Sandstone	fine grained sandstone	3	BH	PERV				
KL020234	KL02C10234		Mamadewerre Sandstone	medium grained sandstone	2	QZD	VUG				
KL020234	KL02C10234		Mamadewerre Sandstone	medium grained sandstone	1	DQZ	VUG				
KL020234	KL02C10234		Mamadewerre Sandstone	medium grained sandstone	1	HE	IRR				
KL020234	KL02C10234		Mamadewerre Sandstone	medium grained sandstone	3	QZ	VUG				
KL020234	KL02C10234		Mamadewerre Sandstone	medium grained sandstone	2	SIL	PERV				
KL020235	KL02C10235	allochthonous radioactive volcanic boulder with U secondaries	Nungbalgarri Volcanics	quartz fractured basic volcanic rock	1	QZ	VN				U2nd minerals along fracture planes
KL020235	KL02C10235	allochthonous radioactive volcanic boulder with U secondaries	Nungbalgarri Volcanics	quartz fractured basic volcanic rock	2	U2nd	FRAC				U2nd minerals along fracture planes
KL020235	KL02C10235	allochthonous radioactive volcanic boulder with U secondaries	Nungbalgarri Volcanics	quartz fractured basic volcanic rock	3	HE	FRAC				U2nd minerals along fracture planes
KL020235	KL02C10235	allochthonous radioactive volcanic boulder with U secondaries	Nungbalgarri Volcanics	quartz fractured basic volcanic rock	1	BH	IRR				U2nd minerals along fracture planes
KL020235	KL02C10235	allochthonous radioactive volcanic boulder with U secondaries	Nungbalgarri Volcanics	quartz fractured basic volcanic rock	2	HS	VN				U2nd minerals along fracture planes
KL020239	KL02C10239		Mamadewerre Sandstone	medium grained sandstone	1	YCY	BLOT				sample taken from gorge wall adjacent to large blocks of ferricrete within gully bed at bottom of gorge
KL020239	KL02C10239		Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV				sample taken from gorge wall adjacent to large blocks of ferricrete within gully bed at bottom of gorge
KL020239	KL02C10239		Mamadewerre Sandstone	medium grained sandstone	3	BH	IRR				sample taken from gorge wall adjacent to large blocks of ferricrete within gully bed at bottom of gorge
KL020239	KL02C10239		Mamadewerre Sandstone	medium grained sandstone	2	BH	PERV	Qtz/Dqz fracture	85	225	sample taken from gorge wall adjacent to large blocks of ferricrete within gully bed at bottom of gorge
KL020239	KL02C10239		Mamadewerre Sandstone	medium grained sandstone	1	WCY	INT				sample taken from gorge wall adjacent to large blocks of ferricrete within gully bed at bottom of gorge
KL020239	KL02C10239		Mamadewerre Sandstone	medium grained sandstone	2	HE	IRR				sample taken from gorge wall adjacent to large blocks of ferricrete within gully bed at bottom of gorge
KL020240	KL02C10240		Mamadewerre Sandstone	cobbly granule stone	3	DQZ	VN	Shearing	82	119	interpreted sinistral fault movement
KL020240	KL02C10240		Mamadewerre Sandstone	cobbly granule stone	2	BH	PERV	dqz fracture	65	115	
KL020240	KL02C10240		Mamadewerre Sandstone	cobbly granule stone	1	HE	PERV	Riedel shears	81	110	

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
KL020240	KL02C10240		Mamadewerre Sandstone	cobbly granule stone	1	YCY	INT				
KL020241	KL02C10241		Mamadewerre Sandstone	sheared medium grained sandstone	3	BH	PERV				
KL020241	KL02C10241		Mamadewerre Sandstone	sheared medium grained sandstone	2	SIL	PERV	Shearing	73	259	interpreted right lateral movement
KL020241	KL02C10241		Mamadewerre Sandstone	sheared medium grained sandstone	3	SIL	HBX	Riedel shears	62	269	
KL020241	KL02C10241		Mamadewerre Sandstone	sheared medium grained sandstone	1	HE	IRR	Bedding	9	82	
KL020242	KL02C10242		Mamadewerre Sandstone	well sorted fine to medium grained sandstone	1	HER	SPEC				
KL020242	KL02C10242		Mamadewerre Sandstone	well sorted fine to medium grained sandstone	2	BH	PERV				
KL020242	KL02C10242		Mamadewerre Sandstone	well sorted fine to medium grained sandstone	1	SIL	PERV	Joint	76	82	
KL020242	KL02C10242		Mamadewerre Sandstone	well sorted fine to medium grained sandstone	1	HE	PERV	Bedding	16	82	
KL020243	KL02M10243	ripple marked bedding facing	Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	18	358	start of bedding slope
KL020243	KL02M10243	ripple marked bedding facing	Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	19	351	possibly caused by deposition of hot volcanic material on unlithified sediments with subsequent soft sediment dewatering and warping of the unconsolidated sediments
KL020243	KL02M10243	ripple marked bedding facing	Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	1	334	possibly caused by deposition of hot volcanic material on unlithified sediments with subsequent soft sediment dewatering and warping of the unconsolidated sediments
KL020243	KL02M10243	ripple marked bedding facing	Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	9	82	possibly caused by deposition of hot volcanic material on unlithified sediments with subsequent soft sediment dewatering and warping of the unconsolidated sediments
KL020243	KL02M10243	ripple marked bedding facing	Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	9	45	possibly caused by deposition of hot volcanic material on unlithified sediments with subsequent soft sediment dewatering and warping of the unconsolidated sediments
KL020243	KL02M10243	ripple marked bedding facing	Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	22	15	at bottom of slope approx 5m from first
KL020244	KL02C10244		Mamadewerre Sandstone	medium grained sandstone	3	BH	PERV	Riedel shears	85	232	
KL020244	KL02C10244		Mamadewerre Sandstone	medium grained sandstone	1	HE	IRR	Fracturing	79	294	
KL020244	KL02C10244		Mamadewerre Sandstone	medium grained sandstone	2	SIL	PERV	Shearing	83	253	
MR010200	MR01C10200		Kombolgie Fm.	pebbly coarse grained sandstone	2	WCY	INT	Joint	68	19	approximately 10m from chaotic fault breccia with sandstone breccia clasts up to 150mm (fault; dextral oblique normal movement)
MR010200	MR01C10200		Kombolgie Fm.	pebbly coarse grained sandstone	3	BH	BN	Silicified fractures	87	181	approximately 10m from chaotic fault breccia with sandstone breccia clasts up to 150mm (fault; dextral oblique normal movement)
MR010200	MR01C10200		Kombolgie Fm.	pebbly coarse grained sandstone	3	HER	BN	Silicified fractures	85	150	approximately 10m from chaotic fault breccia with sandstone breccia clasts up to 150mm (fault; dextral oblique normal movement)
MR010200	MR01C10200		Kombolgie Fm.	pebbly coarse grained sandstone	1	QZ	VN	Fracturing	80	324	deformation bands
MR010202	MR01W10202		Kombolgie Fm.	medium to coarse grained sandstone	3	DQZ	VN				drusy quartz veining is ubiquitous throughout the outcrop, somewhat chaotic
MR010202	MR01C10202	drusy quartz veining throughout entire outcrop	Kombolgie Fm.	medium to coarse grained sandstone	2	BH	PERV	Joint	78	292	joints parallel to minor linemamt edge
MR010202	MR01C10202	drusy quartz veining throughout entire outcrop	Kombolgie Fm.	medium to coarse grained sandstone	1	HE	PERV	dqz breccia	80	208	dominant trend of drusy quartz veining
MR010202	MR01C10202	drusy quartz veining throughout entire outcrop	Kombolgie Fm.	medium to coarse grained sandstone	3	DQZ	VN				drusy quartz veining is ubiquitous throughout the outcrop, somewhat chaotic
MR010202	MR01W10202		Kombolgie Fm.	medium to coarse grained sandstone	1	HE	PERV				drusy quartz veining is ubiquitous throughout the outcrop, somewhat chaotic
MR010202	MR01W10202		Kombolgie Fm.	medium to coarse grained sandstone	2	BH	PERV	dqz breccia	80	208	drusy quartz veining is ubiquitous throughout the outcrop, somewhat chaotic
MR010203	MR01C10203		Kombolgie Fm.	medium grained sandstone	1	NOX	SPEC				
MR010203	MR01C10203		Kombolgie Fm.	medium grained sandstone	1	HE	BIR	Bedding	4	37	
MR010203	MR01C10203		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Joint	87	138	
MR010203	MR01C10203		Kombolgie Fm.	medium grained sandstone	1	HED	BIR	Joint	70	298	
MR010204	MR01C10204	silicified sandstone	Kombolgie Fm.	fine to medium grained sandstone	2	SIL	PERV				weathered surface of the outcrop has knobbed and pitted appearance suggestive of "halite" or evaporitic salt crystals
MR010204	MR01C10204	silicified sandstone	Kombolgie Fm.	fine to medium grained sandstone	1	HE	STRT				weathered surface of the outcrop has knobbed and pitted appearance suggestive of "halite" or evaporitic salt crystals

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MR010204	MR01C10204	silicified sandstone	Kombolgie Fm.	fine to medium grained sandstone	3	BH	PERV	Bedding	5	240	weathered surface of the outcrop has knobby and pitted appearance suggestive of "halite" or evaporitic salt crystals
MR010205	MR01C10205		Kombolgie Fm.	medium grained sandstone	1	HE	PERV	Bedding	7	170	
MR010205	MR01C10205		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Joint	75	16	
MR010206	MR01C10206		Kombolgie Fm.	medium grained sandstone	1	LI	IRR				
MR010206	MR01C10206		Kombolgie Fm.	medium grained sandstone	2	HED	BN	Bedding	1	140	
MR010206	MR01C10206		Kombolgie Fm.	medium grained sandstone	1	HE	BN				
MR010206	MR01C10206		Kombolgie Fm.	medium grained sandstone	1	SIL	PERV				
MR010206	MR01C10206		Kombolgie Fm.	medium grained sandstone	2	BH	BN				
MR010207	MR01C10207	sinistral strike slip shear along thin deformation band	Kombolgie Fm.	medium grained sandstone	3	BH	BLOT	Riedel shears	80	76	shear strain indicators including reidel shears and possible S-fabric secondary deformation bands
MR010207	MR01C10207	sinistral strike slip shear along thin deformation band	Kombolgie Fm.	medium grained sandstone	1	SIL	PERV	S-fabric	85	144	shear strain indicators including reidel shears and possible S-fabric secondary deformation bands
MR010207	MR01C10207	sinistral strike slip shear along thin deformation band	Kombolgie Fm.	medium grained sandstone	1	HED	PERV	Shearing	78	88	shear strain indicators including reidel shears and possible S-fabric secondary deformation bands
MR010208	MR01C10208		Kombolgie Fm.	medium grained sandstone	3	BH	SURF	Joint	79	196	
MR010208	MR01C10208		Kombolgie Fm.	medium grained sandstone	2	HE	PERV	Joint	70	280	
MR010208	MR01C10208		Kombolgie Fm.	medium grained sandstone	1	HED	BIR	Bedding	3	154	
MR010209	MR01C10209		Kombolgie Fm.	medium grained sandstone	3	BH	BIR	Bedding	2	162	
MR010209	MR01C10209		Kombolgie Fm.	medium grained sandstone	1	HE	BIR				
MR010209	MR01C10209		Kombolgie Fm.	medium grained sandstone	1	LI	FRAC				
MR010210	MR01W10210	thin silicified deformation band	Kombolgie Fm.	medium to coarse grained sandstone	3	BH	SURF				
MR010210	MR01C10210		Kombolgie Fm.	medium to coarse grained sandstone	3	BH	PERV	Silicified fractures	87	340	
MR010210	MR01W10210	thin silicified deformation band	Kombolgie Fm.	medium to coarse grained sandstone	2	HE	PERV	Silicified fractures	87	340	
MR010210	MR01C10210		Kombolgie Fm.	medium to coarse grained sandstone	1	HE	IRR	Joint	76	30	
MR010211	MR01C10211		Kombolgie Fm.	medium to coarse grained sandstone	1	HED	BIR				
MR010211	MR01C10211		Kombolgie Fm.	medium to coarse grained sandstone	2	BH	BIR				
MR010211	MR01C10211		Kombolgie Fm.	medium to coarse grained sandstone	2	HE	BIR				
MR010212	MR01C10212		Kombolgie Fm.	medium grained sandstone	3	BH	SURF				
MR010212	MR01C10212		Kombolgie Fm.	medium grained sandstone	2	HE	PERV	Joint	88	114	
MR010212	MR01C10212		Kombolgie Fm.	medium grained sandstone	1	BH	PERV	Joint	83	234	
MR010213	MR01C10213		Kombolgie Fm.	fine to medium grained sandstone	2	BH	IRR				
MR010213	MR01C10213		Kombolgie Fm.	fine to medium grained sandstone	2	HED	PERV				
MR010213	MR01C10213		Kombolgie Fm.	fine to medium grained sandstone	2	SIL	PERV				
MR010214	MR01C10214		Kombolgie Fm.	pebbly v. coarse grained sandstone	1	HE	PERV				coarse grained horizon at bottom of valley stratigraphically below medium grained horizon
MR010214	MR01C10214		Kombolgie Fm.	pebbly v. coarse grained sandstone	1	WCY	INT				coarse grained horizon at bottom of valley stratigraphically below medium grained horizon
MR010214	MR01C10214		Kombolgie Fm.	pebbly v. coarse grained sandstone	2	BH	PERV				coarse grained horizon at bottom of valley stratigraphically below medium grained horizon
MR010215	MR01W10215	sample taken from silicified surface of fault plane	Kombolgie Fm.	medium grained sandstone	3	HE	PERV	Fault	76	298	
MR010215	MR01W10215	sample taken from silicified surface of fault plane	Kombolgie Fm.	medium grained sandstone	2	BH	SURF	Fault	87	292	
MR010216	MR01C10216		Kombolgie Fm.	medium grained sandstone				Joint	83	100	
MR010216	MR01C10216		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Joint	83	200	
MR010216	MR01C10216		Kombolgie Fm.	medium grained sandstone	1	HED	PERV	Joint	84	138	
MR010217	MR01W10217	thin silicified deformation band with minor secondary features	Kombolgie Fm.	medium grained sandstone	3	BH	SURF				
MR010217	MR01W10217	thin silicified deformation band with minor secondary features	Kombolgie Fm.	medium grained sandstone	3	HE	PERV	Silicified fractures	87	274	
MR010218	MR01C10218		Kombolgie Fm.	medium grained sandstone	1	BH	BLOT				
MR010218	MR01C10218		Kombolgie Fm.	medium grained sandstone	2	HER	BIR				
MR010218	MR01C10218		Kombolgie Fm.	medium grained sandstone	1	HED	PERV	Close-spaced fractures	62	160	
MR010219	MR01C10219		Kombolgie Fm.	medium grained sandstone	2	HE	BIR				
MR010219	MR01C10219		Kombolgie Fm.	medium grained sandstone	3	BH	PERV				
MR010220	MR01C10220		Kombolgie Fm.	medium to coarse grained sandstone				deformation bands	80	272	
MR010220	MR01C10220		Kombolgie Fm.	medium to coarse grained sandstone	1	BH	PERV	Joint	62	306	
MR010220	MR01C10220		Kombolgie Fm.	medium to coarse grained sandstone	2	HE	PERV	Joint	86	60	dominant joint direction
MR010221	MR01C10221		Kombolgie Fm.	medium grained sandstone				Bedding	4	114	
MR010221	MR01C10221		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Paleocurrent direction		98	
MR010221	MR01C10221		Kombolgie Fm.	medium grained sandstone	1	HE	PERV	Paleocurrent direction		202	
MR010221	MR01C10221		Kombolgie Fm.	medium grained sandstone				Joint	89	108	
MR010221	MR01C10221		Kombolgie Fm.	medium grained sandstone				Joint	82	158	
MR010222	MR01C10222		Kombolgie Fm.	medium grained sandstone	1	BH	BIR				
MR010222	MR01C10222		Kombolgie Fm.	medium grained sandstone	1	HE	BIR				
MR010222	MR01C10222		Kombolgie Fm.	medium grained sandstone	2	HE	BED	Joint	82	41	
MR010222	MR01C10222		Kombolgie Fm.	medium grained sandstone	2	BH	PERV	Joint	87	265	
MR010222	MR01C10222		Kombolgie Fm.	medium grained sandstone	1	SIL	PERV				
MR010223	MR01W20223	fault gouge	Kombolgie Fm.	medium grained sandstone	3	SGG	FT	Fault	49	276	two intersecting reverse faults one with 5cm and the other with 2cm
MR010223	MR01W10223	drusy quartz breccia	Kombolgie Fm.	medium grained sandstone	3	HEM	PERV				two intersecting reverse faults one with 5cm and the other with 2cm
MR010223	MR01W10223	drusy quartz breccia	Kombolgie Fm.	medium grained sandstone	1	SGG	FT				two intersecting reverse faults one with 5cm and the other with 2cm

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
MR010223	MR01W10223	drusy quartz breccia	Kombolgie Fm.	medium grained sandstone	2	DQZ	VN	Fault	49	276	reverse fault with 5cm movement
MR010223	MR01C10223		Kombolgie Fm.	medium grained sandstone	1	BH	BN	Joint	72	68	two intersecting reverse faults one with 5cm and the other with 2cm
MR010223	MR01C10223		Kombolgie Fm.	medium grained sandstone	1	LI	BN	Qtz/Dqz fracture	76	8	two intersecting reverse faults one with 5cm and the other with 2cm
MR010223	MR01C10223		Kombolgie Fm.	medium grained sandstone	2	HE	BN	dqz fracture	48	282	two intersecting reverse faults one with 5cm and the other with 2cm
MR010223	MR01C10223		Kombolgie Fm.	medium grained sandstone	3	HEM	PERV	Fault	49	276	two intersecting reverse faults one with 5cm and the other with 2cm
MR010226	MR01W10226	sandstone breccia infilled with drusy quartz veins and vugs	Kombolgie Fm.	brecciated pebbly granule sandstone	1	HE	PERV	Dqz breccia	82	104	
MR010227	MR01W10227	sandstone breccia with drusy quartz infill approximately 40cm wide	Kombolgie Fm.	brecciated medium grained sandstone	3	DQZ	VN	Dqz breccia	72	288	dextral strike slip with slight oblique sense of movement
MR010227	MR01W10227	sandstone breccia with drusy quartz infill approximately 40cm wide	Kombolgie Fm.	brecciated medium grained sandstone				Dqz fracture	87	264	dextral strike slip with slight oblique sense of movement
MR010227	MR01C10227		Kombolgie Fm.	brecciated medium grained sandstone							dextral strike slip with slight oblique sense of movement
MR010227	MR01C10227		Kombolgie Fm.	brecciated medium grained sandstone	3	DQZ	VN	Dqz fracture	87	264	dextral strike slip with slight oblique sense of movement
MR010227	MR01C10227		Kombolgie Fm.	brecciated medium grained sandstone	1	HE	PERV	Dqz breccia	72	288	dextral sense of movement
MR010228	MR01C10228	closely spaced fractures (~50cm wide zone joints spaced ~2-5cm) minor slickensides	Kombolgie Fm.	fractured medium grained sandstone	1	SIL	PERV	Close-spaced fractures	87	290	dextral strike slip with slight oblique sense of movement
MR010228	MR01C10228	closely spaced fractures (~50cm wide zone joints spaced ~2-5cm) minor slickensides	Kombolgie Fm.	fractured medium grained sandstone	1	SK	FRAC				dextral strike slip with slight oblique sense of movement
MR010228	MR01C10228	closely spaced fractures (~50cm wide zone joints spaced ~2-5cm) minor slickensides	Kombolgie Fm.	fractured medium grained sandstone	1	QZ	DIS				dextral strike slip with slight oblique sense of movement
MR010228	MR01C10228	closely spaced fractures (~50cm wide zone joints spaced ~2-5cm) minor slickensides	Kombolgie Fm.	fractured medium grained sandstone	2	HE	IRR	Slickensides	24	34	slickensides on joint surface 80-120
MR010228	MR01C10228	closely spaced fractures (~50cm wide zone joints spaced ~2-5cm) minor slickensides	Kombolgie Fm.	fractured medium grained sandstone	3	BH	PERV	Joint	80	120	dextral strike slip with slight oblique sense of movement
MR010229	MR01C10229		Kombolgie Fm.	medium grained sandstone	2	HED	PERV	Deformation dissolution bands	87	274	
MR010229	MR01C10229		Kombolgie Fm.	medium grained sandstone				Bedding	3	196	
MR010229	MR01C10229		Kombolgie Fm.	medium grained sandstone				Paleocurrent direction		278	
MR010229	MR01C10229		Kombolgie Fm.	medium grained sandstone	3	BH	BLOT	Joint	80	212	
MR010229	MR01C10229		Kombolgie Fm.	medium grained sandstone	3	HEM	SPOT	Joint	85	138	
MR010230	MR01C10230	hematitic spots (~2cm) on weathered surface, possible alteration of pyrite or mud clasts	Kombolgie Fm.	medium grained sandstone	3	HE	SPOT	Paleocurrent direction		295	
MR010230	MR01C10230	hematitic spots (~2cm) on weathered surface, possible alteration of pyrite or mud clasts	Kombolgie Fm.	medium grained sandstone	3	HER	SPEC				
MR010230	MR01C10230	hematitic spots (~2cm) on weathered surface, possible alteration of pyrite or mud clasts	Kombolgie Fm.	medium grained sandstone	2	BH	PERV				
MR010230	MR01C10230	hematitic spots (~2cm) on weathered surface, possible alteration of pyrite or mud clasts	Kombolgie Fm.	medium grained sandstone	3	BH	BIR				
MR010230	MR01C10230	hematitic spots (~2cm) on weathered surface, possible alteration of pyrite or mud clasts	Kombolgie Fm.	medium grained sandstone	1	HE	PERV				
MR010232	MR01C10232	sandstone rip-up clasts on some bedding surfaces	Mamadewerre Sandstone	medium grained sandstone	1	HE	IRR	Joint	87	25	tilted bedding along southern escapment edge of Myra Inlier
MR010232	MR01C10232	sandstone rip-up clasts on some bedding surfaces	Mamadewerre Sandstone	medium grained sandstone	2	HED	PERV	Bedding	18	150	tilted bedding along southern escapment edge of Myra Inlier
MR020001	MR02C10001		Mamadewerre Sandstone	m. - f. gr. Sandstone	1	SIL	ft				
MR020001	MR02C10001		Mamadewerre Sandstone	m. - f. gr. Sandstone	1	QZD	MATR	crossbedding	21	264	
MR020001	MR02C10001		Mamadewerre Sandstone	m. - f. gr. Sandstone	2	BH	BED	Fault	25	331	Normal fault with 5-10 cm offset
MR020001	MR02C10001		Mamadewerre Sandstone	m. - f. gr. Sandstone	3	HER	BED	Bedding	4	175	
MR020001	MR02W10001	Silicified normal fault	Mamadewerre Sandstone	m. - f. gr. Sandstone	1	SIL	FRAC				
MR020002	MR02C10002		Mamadewerre Sandstone	m. - f. gr. Sandstone	3	HEM	PERV	dqz fracture	76	178	Fracture perpendicular to valley trend
MR020002	MR02C10002		Mamadewerre Sandstone	m. - f. gr. Sandstone	3	BH	LM	Bedding	3	29	
MR020002	MR02W10002	silicified DQZ fractures	Mamadewerre Sandstone	m. - f. gr. Sandstone	1	DQZ	FRAC				

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
MR020002	MR02C10002		Mamadewerre Sandstone	m. - f. gr. Sandstone	1	DQZ	FRAC				
MR020002	MR02C10002		Mamadewerre Sandstone	m. - f. gr. Sandstone	1	SIL	FRAC				
MR020002	MR02W10002	silicified DQZ fractures	Mamadewerre Sandstone	m. - f. gr. Sandstone	3	HER	FRAC				
MR020002	MR02W10002	silicified DQZ fractures	Mamadewerre Sandstone	m. - f. gr. Sandstone	1	SIL	FRAC				
MR020002	MR02C10002		Mamadewerre Sandstone	m. - f. gr. Sandstone	3	HER	FRAC				
MR020003	MR02C10003		Mamadewerre Sandstone	c. gr. Sandstone	3	BH	BED	crossbedding	23	320	
MR020003	MR02C10003		Mamadewerre Sandstone	c. gr. Sandstone	2	HER	BED	Bedding	3	82	
MR020004	MR02C10004		Mamadewerre Sandstone	m. gr. Sandstone	2	BH	SPOT	Joint	85	12	
MR020004	MR02C10004		Mamadewerre Sandstone	m. gr. Sandstone	2	HEM	PERV	Bedding	2	274	
MR020004	MR02C10004		Mamadewerre Sandstone	m. gr. Sandstone	1	QZD	MATR				
MR020005	MR02C10005		Myra Falls Metamorphics	sericite-hematite-rich, quartz-poor schist	2	WCY	BX	Breccia	78	112	NNW trending fault breccia sub-parallel to stratigraphy, possibly Myra Falls Metamorphics, interbeds in Kudjumarndi Quartzite, or basal Mt Howship gneiss
MR020005	MR02C10005		Myra Falls Metamorphics	sericite-hematite-rich, quartz-poor schist	1	SIL	BX				NNW trending fault breccia sub-parallel to stratigraphy, possibly Myra Falls Metamorphics, interbeds in Kudjumarndi Quartzite, or basal Mt Howship gneiss
MR020005	MR02C10005		Myra Falls Metamorphics	sericite-hematite-rich, quartz-poor schist	2	HER	BX				NNW trending fault breccia sub-parallel to stratigraphy, possibly Myra Falls Metamorphics, interbeds in Kudjumarndi Quartzite, or basal Mt Howship gneiss
MR020006	MR02C10006		Mamadewerre Sandstone	M. - c. gr. Sandstone	3	BH	LM				Folding with reverse microfault observed; dips are extreme and point away from the Myra High
MR020006	MR02C10006		Mamadewerre Sandstone	M. - c. gr. Sandstone	3	BH	SPOT	Fold axis / open	35	75	Reverse microfault parallel to the axial plane
MR020006	MR02C10006		Mamadewerre Sandstone	M. - c. gr. Sandstone	3	HEM	PERV	Bedding	31	354	Folding with reverse microfault observed; dips are extreme and point away from the Myra High
MR020007	MR02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	PERV	Bedding	2	117	
MR020007	MR02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	2	SIL	MATR	Joint	46	354	Possible fault
MR020007	MR02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	2	HED	BED				
MR020007	MR02C10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	SIL	FRAC				
MR020007	MR02W10007		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	SIL	FRAC				
MR020008	MR02W10008	Bleached silicified joint	Mamadewerre Sandstone	m. - c. gr. Sandstone	1	SIL	FRAC				
MR020008	MR02C10008		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	SIL	FRAC	Bedding	2	29	
MR020008	MR02C10008		Mamadewerre Sandstone	m. - c. gr. Sandstone	2	BH	PERV	Joint	85	141	Main joint fractures
MR020008	MR02C10008		Mamadewerre Sandstone	m. - c. gr. Sandstone	1	HED	PERV	Riedel shears	87	122	Riedel fractures
MR020008	MR02C10008		Mamadewerre Sandstone	m. - c. gr. Sandstone	3	HER	FRAC				
MR020008	MR02W10008	Bleached silicified joint	Mamadewerre Sandstone	m. - c. gr. Sandstone	3	BH	FRAC				
MR020008	MR02W10008	Bleached silicified joint	Mamadewerre Sandstone	m. - c. gr. Sandstone	3	HER	FRAC				
MR020009	MR02C10009		Mamadewerre Sandstone	c. - v.c. gr. Sandstone	1	WCY	MATR				
MR020009	MR02W10009	5 mm drusy quartz fractures	Mamadewerre Sandstone	c. - v.c. gr. Sandstone	2	DQZ	FRAC				
MR020009	MR02C10009		Mamadewerre Sandstone	c. - v.c. gr. Sandstone	2	HER	SPEC				
MR020009	MR02C10009		Mamadewerre Sandstone	c. - v.c. gr. Sandstone	3	BH	PERV	dqz fracture	84	247	
MR020009	MR02W10009	5 mm drusy quartz fractures	Mamadewerre Sandstone	c. - v.c. gr. Sandstone	2	HER	SELV				
MR020010	MR02C10010		Mamadewerre Sandstone	v.c. sandstone with pebble and cobbles commonn	3	LI	BED	Bedding	39	12	Up to 170 cps immediately proximal to where the unconformity should be located
MR020010	MR02C10010		Mamadewerre Sandstone	v.c. sandstone with pebble and cobbles commonn				crossbedding	31	15	XBEDS shallower than bedding - source from north

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MR020010	MR02C10010		Mamadewerre Sandstone	v.c. sandstone with pebble and cobbles commonn	1	WCY	MATR	crossbedding	29	340	XBEDS shallower than bedding - source from north
MR020010	MR02C10010		Mamadewerre Sandstone	v.c. sandstone with pebble and cobbles commonn	3	HER	BED	crossbedding	31	358	XBEDS shallower than bedding - source from north
MR020010	MR02C10010		Mamadewerre Sandstone	v.c. sandstone with pebble and cobbles commonn	3	BH	BED	Bedding	47	355	Up to 170 cps immediately proximal to where the unconformity should be located
MR020010	MR02C10010		Mamadewerre Sandstone	v.c. sandstone with pebble and cobbles commonn				Bedding	48	23	Up to 170 cps immediately proximal to where the unconformity should be located
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				crossbedding	21	324	southerly sediment source
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				crossbedding	24	341	southerly sediment source
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				Bedding	4	179	
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				crossbedding	20	218	
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				Bedding	2	184	
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				crossbedding	30	224	
MR020011	MR02M10011		Mamadewerre Sandstone	m. gr. Sandstone				Bedding	3	135	
MR020013	MR02C10013		Zamu Dolerite	Amphibolite schist with weak gneissosity	2	CY	MTC	S0 / S1	65	186	
MR020013	MR02C10013		Zamu Dolerite	Amphibolite schist with weak gneissosity	3	CL	FOL	S0 / S1	57	189	
MR020014	MR02C10014		Kudjumarndi Quartzite	Quartz-rich arkose to arkosic quartzite				S0 / S1	71	172	
MR020016	MR02M10016		Mamadewerre Sandstone	c. - v.c. gr. Sandstone				crossbedding	4	222	Measurements only, no sample taken
MR020016	MR02M10016		Mamadewerre Sandstone	c. - v.c. gr. Sandstone				Bedding	23	16	Measurements only, no sample taken
MR020016	MR02M10016		Mamadewerre Sandstone	c. - v.c. gr. Sandstone				Bedding	20	11	Measurements only, no sample taken
MR020016	MR02M10016		Mamadewerre Sandstone	c. - v.c. gr. Sandstone				crossbedding	15	168	Measurements only, no sample taken
MR020017	MR02M10017	Structural Measurements	Cahill Formation	Amhibole-muscovite gneissic schist				Lineation	65	48	slightly oblique from true dip-slip (=dextral)
MR020017	MR02M10017	Structural Measurements	Cahill Formation	Amhibole-muscovite gneissic schist				Fault	69	72	fragments aligned=dip-slip displacement primarily
MR020017	MR02M10017	Structural Measurements	Cahill Formation	Amhibole-muscovite gneissic schist				S-fabric	80	66	rotated porphyroclasts with tails = reverse fault
MR020018	MR02M10018	tilted bedding measurement	Mamadewerre Sandstone	v.c. sandstone				Bedding	20	321	Tilted bedding north of Myra Falls Inlier
MR020030	MR02C10030		Mamadewerre Sandstone	Fanglomerate float with boulder sized QZIT clasts	3	SIL	PERV				Clast-supported Fanglomerate float
MR020030	MR02C10030		Mamadewerre Sandstone	Fanglomerate float with boulder sized QZIT clasts	3	BH	PERV				Clast-supported Fanglomerate float
MR020030	MR02C10030		Mamadewerre Sandstone	Fanglomerate float with boulder sized QZIT clasts	1	LI	PERV				Clast-supported Fanglomerate float
MR020030	MR02C10030		Mamadewerre Sandstone	Fanglomerate float with boulder sized QZIT clasts	2	WCY	MATR				Clast-supported Fanglomerate float
MR020031	MR02W10031	Radioactive area 1120 cps max.	Mount Howship Gneiss	quartzofeldspathic biotite gneiss	3	WCY	PERV				
MR020031	MR02C10031		Mount Howship Gneiss	quartzofeldspathic biotite gneiss	3	WCY	PERV	S0 / S1	66	170	
MR020031	MR02W10031	Radioactive area 1120 cps max.	Mount Howship Gneiss	quartzofeldspathic biotite gneiss	1	SE	MTC				
MR020031	MR02C10031		Mount Howship Gneiss	quartzofeldspathic biotite gneiss	1	SE	MTC	S0 / S1	69	165	
MR020031	MR02W10031	Radioactive area 1120 cps max.	Mount Howship Gneiss	quartzofeldspathic biotite gneiss	1	LI	FRAC				
MR020031	MR02C10031		Mount Howship Gneiss	quartzofeldspathic biotite gneiss	1	LI	FRAC	Lineation	11	79	Intersection lineation of S1 and weak cleavage S2
MR020032	MR02M10032	Mt Howship gneiss in gully exposure	Mount Howship Gneiss	quartzofeldspathic biotite gneiss				Cleavage	15	107	Fold closure in Mt Howship gneiss
MR020032	MR02M10032	Mt Howship gneiss in gully exposure	Mount Howship Gneiss	quartzofeldspathic biotite gneiss				S0 / S1	29	81	Fold closure in Mt Howship gneiss
MR020032	MR02M10032	Mt Howship gneiss in gully exposure	Mount Howship Gneiss	quartzofeldspathic biotite gneiss				S0 / S1	25	256	Fold closure in Mt Howship gneiss
MR020032	MR02M10032	Mt Howship gneiss in gully exposure	Mount Howship Gneiss	quartzofeldspathic biotite gneiss				S0 / S1	26	69	Fold closure in Mt Howship gneiss
MR020033	MR02M10033		Kudjumarndi Quartzite	Quartzite				Lineation	4	52	Meta-arkosic quartzite
MR020033	MR02M10033		Kudjumarndi Quartzite	Quartzite				S0 / S1	15	139	Meta-arkosic quartzite
MR020034	MR02C10034		Kudjumarndi Quartzite	Hematitic Quartzite breccia	1	WCY	BX	Fracturing	81	107	possibe Riedel direction indicating dextral slip
MR020034	MR02C10034		Kudjumarndi Quartzite	Hematitic Quartzite breccia				Fracturing	51	91	Strike slip slickensides on main fault gouge zone surface

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MR020034	MR02C10034		Kudjumarndi Quartzite	Hematitic Quartzite breccia				Fracturing	81	266	brittle fractures
MR020034	MR02C10034		Kudjumarndi Quartzite	Hematitic Quartzite breccia				Fracturing	73	241	Strike slip slickensides on main fault gouge zone surface
MR020034	MR02C10034		Kudjumarndi Quartzite	Hematitic Quartzite breccia	2	HER	BX	Fault	73	88	Strike slip slickensides on main fault gouge zone surface
MR020034	MR02C10034		Kudjumarndi Quartzite	Hematitic Quartzite breccia	2	SIL	BX	Lineation	26	16	striations indicate predominantly srike slip
MR020200	MR02W10200	siliceous deformation bands	Mamadewerre Sandstone	medium grained sandstone	3	BH	FRAC	Silicified fractures	85	294	
MR020200	MR02W10200	siliceous deformation bands	Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV	Bedding	4	146	
MR020200	MR02W10200	siliceous deformation bands	Mamadewerre Sandstone	medium grained sandstone	1	SIL	FRAC	Joint	87	328	
MR020201	MR02W10201	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone				Riedel shears	89	276	possibly sinistral movement indicated by riedel fractures
MR020201	MR02W10201	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	3	BH	FRAC	Joint	88	328	possibly sinistral movement indicated by riedel fractures
MR020201	MR02W10201	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	1	SIL	FRAC	Silicified fractures	85	274	possibly sinistral movement indicated by riedel fractures
MR020201	MR02W10201	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone				Silicified fractures	88	302	sampled fracturing
MR020201	MR02C10201		Mamadewerre Sandstone	fine to medium grained sandstone	1	HE	PERV	Silicified fractures	88	302	possibly sinistral movement indicated by riedel fractures
MR020201	MR02C10201		Mamadewerre Sandstone	fine to medium grained sandstone	3	BH	FRAC	Riedel shears	89	276	possibly sinistral movement indicated by riedel fractures
MR020201	MR02C10201		Mamadewerre Sandstone	fine to medium grained sandstone	1	SIL	FRAC				possibly sinistral movement indicated by riedel fractures
MR020201	MR02C10201		Mamadewerre Sandstone	fine to medium grained sandstone	1	QZ	VN				possibly sinistral movement indicated by riedel fractures
MR020201	MR02W10201	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	1	HE	PERV	Bedding	5	135	possibly sinistral movement indicated by riedel fractures
MR020201	MR02W10201	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	1	QZ	VN	Silicified fractures	88	130	possibly sinistral movement indicated by riedel fractures
MR020203	MR02C10203		Mamadewerre Sandstone	fine to medium grained sandstone	2	HE	PERV	Bedding	2	343	
MR020203	MR02C10203		Mamadewerre Sandstone	fine to medium grained sandstone	2	BH	FRAC	Silicified fractures	80	310	
MR020203	MR02C10203		Mamadewerre Sandstone	fine to medium grained sandstone	2	SIL	FRAC	Joint	80	218	
MR020203	MR02C10203		Mamadewerre Sandstone	fine to medium grained sandstone	1	SIL	PERV	Joint	60	165	
MR020204	MR02W10204	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	1	QZ	FRAC	Joint	88	122	
MR020204	MR02W10204	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	2	SIL	FRAC				
MR020204	MR02W10204	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	3	BH	FRAC	Silicified fractures	88	188	closely spaced fractures 8 frac/50cm
MR020204	MR02W10204	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	1	HER	PERV	Joint	44	184	
MR020204	MR02W10204	siliceous deformation band	Mamadewerre Sandstone	fine to medium grained sandstone	1	SIL	PERV				
MR020205	MR02W10205	silicified reverse fault	Kombolgie Subgroup	medium grained sandstone	2	HE	IRR	Fault	68	354	small reverse fault
MR020205	MR02W10205	silicified reverse fault	Kombolgie Subgroup	medium grained sandstone	3	BH	FRAC	Slickensides	64	4	small reverse fault
MR020205	MR02W10205	silicified reverse fault	Kombolgie Subgroup	medium grained sandstone	1	QZ	FRAC	Bedding	30	160	small reverse fault
MR020205	MR02W10205	silicified reverse fault	Kombolgie Subgroup	medium grained sandstone	1	HE	PERV	Bedding	10	134	small reverse fault
MR020205	MR02W10205	silicified reverse fault	Kombolgie Subgroup	medium grained sandstone	1	SIL	STRT	Bedding	3	102	small reverse fault
MR020205	MR02C10205		Kombolgie Subgroup	medium grained sandstone	2	HE	IRR	Fault	68	354	small reverse fault
MR020205	MR02C10205		Kombolgie Subgroup	medium grained sandstone	3	BH	FRAC	Slickensides	64	4	small reverse fault
MR020205	MR02C10205		Kombolgie Subgroup	medium grained sandstone	1	QZ	FRAC	Bedding	30	160	small reverse fault
MR020205	MR02C10205		Kombolgie Subgroup	medium grained sandstone	1	HE	PERV	Bedding	10	134	small reverse fault
MR020205	MR02C10205		Kombolgie Subgroup	medium grained sandstone	1	SIL	STRT	Bedding	3	102	small reverse fault
MR020206	MR02C20206	altered / weathered qtz feld gneiss - sample 2750cps TC Gamma	Myra Falls Metamorphics	metamorphic quartzite	2	WCY	PERV	S0 / S1	50	55	
MR020206	MR02C20206	altered / weathered qtz feld gneiss - sample 2750cps TC Gamma	Myra Falls Metamorphics	metamorphic quartzite	1	HE	BIR				

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MR020206	MR02C10206	quartzite - sample 2100cps TC Gamma	Myra Falls Metamorphics	metamorphic quartzite	1	HE	BIR	S0 / S1	50	55	
MR020206	MR02C10206	quartzite - sample 2100cps TC Gamma	Myra Falls Metamorphics	metamorphic quartzite	1	GCY	INT				
MR020206	MR02C10206	quartzite - sample 2100cps TC Gamma	Myra Falls Metamorphics	metamorphic quartzite	3	BH	PERV				
MR020206	MR02C10206	quartzite - sample 2100cps TC Gamma	Myra Falls Metamorphics	metamorphic quartzite	2	SIL	PERV				
MR020207	MR02C10207		Kombolgie Subgroup	fine to medium grained sandstone	1	HE	BIR				
MR020207	MR02C10207		Kombolgie Subgroup	fine to medium grained sandstone	1	SIL	PERV				
MR020207	MR02C10207		Kombolgie Subgroup	fine to medium grained sandstone	3	BH	PERV	Bedding	23	8	
MR020208	MR02C10208		Kombolgie Subgroup	medium to coarse grained sandstone	3	BH	PERV	Slickensides	7	234	silified fracture with sinistral sense of movement
MR020208	MR02W10208	silicified joint with shear sense indicators	Kombolgie Subgroup	medium to coarse grained sandstone	2	SIL	FRAC	Slickensides	7	234	silified fracture with sinistral sense of movement
MR020208	MR02W10208	silicified joint with shear sense indicators	Kombolgie Subgroup	medium to coarse grained sandstone	3	BH	PERV	Silicified fractures	87	326	silified fracture with sinistral sense of movement
MR020208	MR02C10208		Kombolgie Subgroup	medium to coarse grained sandstone	2	BH	BIR	Riedel shears	89	292	silified fracture with sinistral sense of movement
MR020208	MR02C10208		Kombolgie Subgroup	medium to coarse grained sandstone	1	HED	BIR	Silicified fractures	87	326	silified fracture with sinistral sense of movement
MR020208	MR02W10208	silicified joint with shear sense indicators	Kombolgie Subgroup	medium to coarse grained sandstone	1	SIL	PERV	Riedel shears	89	292	silified fracture with sinistral sense of movement
MR020209	MR02W10209	closely spaced fractures / quartz fractures	Kombolgie Subgroup	medium grained sandstone	1	DQZ	VN	Qtz/Dqz fracture	82	344	
MR020209	MR02W10209	closely spaced fractures / quartz fractures	Kombolgie Subgroup	medium grained sandstone	1	QZ	VN	Bedding	5	150	
MR020209	MR02W10209	closely spaced fractures / quartz fractures	Kombolgie Subgroup	medium grained sandstone	2	HED	PERV				
MR020210	MR02W10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone	2	HER	PERV	Fault	45	290	reverse fault
MR020210	MR02C10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone				Bedding	21	63	reverse fault
MR020210	MR02C10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone				Bedding	12	48	reverse fault
MR020210	MR02C10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone				Bedding	44	54	reverse fault
MR020210	MR02C10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone	2	HER	PERV	Fault	65	287	reverse fault
MR020210	MR02W10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone	1	SIL	PERV	Fault	65	287	reverse fault
MR020210	MR02C10210	fault gouge material	Kombolgie Subgroup	fault gouge within medium grained sandstone	1	SIL	PERV	Fault	45	290	reverse fault
MR020211	MR02M10211		Oenpelli Dolerite	amphibolite				S0 / S1	70	181	
MR020212	MR02M10212	possible coarse-pebbly grained sandstone protolith	Kudjumarndi Quartzite	coarse grained muscovitic quartzite				S0 / S1	81	161	
MR020212	MR02M10212	possible coarse-pebbly grained sandstone protolith	Kudjumarndi Quartzite	coarse grained muscovitic quartzite				Joint	71	89	
MR020213	MR02M10213	thinly bedded quartzite	Kudjumarndi Quartzite	medium grained quartzite				S0 / S1	78	196	
MR020213	MR02M10213	thinly bedded quartzite	Kudjumarndi Quartzite	medium grained quartzite				Joint	68	100	
MR020214	MR02M10214	muscovitic quartzite	Kudjumarndi Quartzite	fined grained quartzite				S0 / S1	36	180	
MR020214	MR02M10214	muscovitic quartzite	Kudjumarndi Quartzite	fined grained quartzite				Joint	66	282	
MR020214	MR02M10214	muscovitic quartzite	Kudjumarndi Quartzite	fined grained quartzite				S0 / S1	14	107	intersection lineation of S1 and axial trace
MR020216	MR02C10216		Mamadewerre Sandstone	medium grained sandstone				crossbedding	20	278	westerly? Paleocurrent direstion
MR020216	MR02C10216		Mamadewerre Sandstone	medium grained sandstone				crossbedding	34	338	north-west paleocurrent direction
MR020216	MR02C10216		Mamadewerre Sandstone	medium grained sandstone	3	BH	PERV	Fracturing	72	78	closely spaced fractures 10/1.5m
MR020216	MR02C10216		Mamadewerre Sandstone	medium grained sandstone	1	HE	BIR	Joint/Fracture	47	350	silicified fracture with slickensides developed
MR020216	MR02C10216		Mamadewerre Sandstone	medium grained sandstone	1	WCY	INT	Slickensides	45	336	movement along fractures within area of tilted bedding (20 degrees) - north escarpment of Myra Inlier
MR020216	MR02C10216		Mamadewerre Sandstone	medium grained sandstone				Bedding	20	338	movement along fractures within area of tilted bedding (20 degrees) - north escarpment of Myra Inlier

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MR020217	MR02W10217	chaotic drusy quartz fracturing	Mamadewerre Sandstone	medium grained sandstone	3	BH	PERV				
MR020217	MR02W10217	chaotic drusy quartz fracturing	Mamadewerre Sandstone	medium grained sandstone	1	LI	FRAC				
MR020217	MR02W10217	chaotic drusy quartz fracturing	Mamadewerre Sandstone	medium grained sandstone	3	DQZ	VN				
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone				Fracturing	87	276	closely spaced fractures / joints
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone				Bedding	8	19	
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone				Joint	89	230	
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone				Joint	75	132	
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone				Joint	50	140	dominant joint
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone	3	BH	PERV	Fracturing	87	100	closely spaced fractures/joints
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone	1	LI	FRAC	Joint	5	122	
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone	1	QZ	FRAC	Riedel shears	85	310	indicative of dextral shear
MR020217	MR02C10217		Mamadewerre Sandstone	medium grained sandstone				dqz fracture	25	356	
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone	1	LI	FRAC	Joint	60	140	dominant joint
MR020218	MR02W10218	chaotic drusy quartz veining	Mamadewerre Sandstone	medium grained sandstone	2	HE	PERV				
MR020218	MR02W10218	chaotic drusy quartz veining	Mamadewerre Sandstone	medium grained sandstone	3	DQZ	VN				
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone				Joint	64	202	dominant joint
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone				Joint	87	12	
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone				Qtz/Dqz fracture	80	90	
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone	2	BH	PERV	Bedding	7	352	
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone				Joint	37	142	
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone	1	BH	BIR	crossbedding	23	307	
MR020218	MR02C10218		Mamadewerre Sandstone	medium grained sandstone				Silicified fractures	80	90	
MR020219	MR02W10219	chaotic drusy quartz veining	Mamadewerre Sandstone	medium grained sandstone	3	DQZ	VN				
MR020219	MR02W10219	chaotic drusy quartz veining	Mamadewerre Sandstone	medium grained sandstone	1	HE	IRR				
MR020219	MR02C10219		Mamadewerre Sandstone	medium grained sandstone	1	LI	FRAC	Riedel shears	88	74	possible sinistral shear?
MR020219	MR02C10219		Mamadewerre Sandstone	medium grained sandstone	1	HE	PERV	Silicified fractures	87	94	siliceous deformation bands
MR020219	MR02C10219		Mamadewerre Sandstone	medium grained sandstone	2	BH	PERV	Joint	85	99	dominant joints
MR020219	MR02C10219		Mamadewerre Sandstone	medium grained sandstone				Joint	85	196	
MR020220	MR02W10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	HE	PERV				cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02C10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	SIL	PERV	Breccia	84	58	cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02W10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	LI	FRAC				cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02W10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	2	DQZ	VN				cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02C20220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	WCY	FRAC	Joint	87	198	cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02C20220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	DQZ	FRAC	Joint	72	18	dominant jointing
MR020220	MR02C20220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	HE	IRR	Breccia	85	225	cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone

Station	Sample Number	Description	Formation	Lithology	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
MR020220	MR02C20220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	2	LI	FRAC	Breccia	84	58	cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02C10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	WCY	DIS	Joint	87	198	cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02C10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	HE	PERV	Joint	72	18	dominant jointing
MR020220	MR02C10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	DQZ	FRAC	Riedel shears	22	240	possibly reverse dextral shear
MR020220	MR02C10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	2	LI	FRAC	Breccia	85	225	cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02W10220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	1	WCY	DIS				cobble breccia, rounded sandstone cobbles, coarse grained sandstone fragments within matrix and remnant cobbles of sandstone
MR020220	MR02C20220		Mamadewerre Sandstone	fault breccia; very coarse grained sandstone	2	SIL	PERV	Riedel shears	22	240	possibly reverse dextral shear
MR020221	MR02C10221		Mamadewerre Sandstone	fine to medium grained sandstone	1	SIL	PERV	Joint	82	272	
MR020221	MR02C10221		Mamadewerre Sandstone	fine to medium grained sandstone	2	SIL	FRAC	Joint	82	10	
MR020221	MR02C10221		Mamadewerre Sandstone	fine to medium grained sandstone	3	BH	SPOT	Silicified fractures	80	145	siliceous deformation bands
MR020221	MR02C10221		Mamadewerre Sandstone	fine to medium grained sandstone	1	HE	PERV	Silicified fractures	75	124	siliceous deformation bands
MR020221	MR02C10221		Mamadewerre Sandstone	fine to medium grained sandstone				Bedding	3	92	
MR020224	MR02M10224		Mount Howship Gneiss	quartz-feldspar-biotite gneiss				Foliation	21	92	
MR020227	MR02C10227		Mamadewerre Sandstone	clast supported tallus/fan-conglomerate	1	HE	PERV				conglomerate float material could be part of the Cretaceous geological record
MR020227	MR02C10227		Mamadewerre Sandstone	clast supported tallus/fan-conglomerate	2	SIL	PERV				conglomerate float material could be part of the Cretaceous geological record
MR020227	MR02C10227		Mamadewerre Sandstone	clast supported tallus/fan-conglomerate	2	LI	FRAC				conglomerate float material could be part of the Cretaceous geological record
MR020228	MR02M10228		Kudjumarndi Quartzite	quartzite				S0 / S1	34	91	
MR020229	MR02C10229	rubbly pesolitic material	Kudjumarndi Quartzite	pesolites and rock debris	3	HS	LM				radiometric anomaly
MR020229	MR02C10229	rubbly pesolitic material	Kudjumarndi Quartzite	pesolites and rock debris	3	HEB	PERV				radiometric anomaly
MR020229	MR02C10229	rubbly pesolitic material	Kudjumarndi Quartzite	pesolites and rock debris	1	QZ	IRR				radiometric anomaly