

Table S2: Enrichment (positive values) or depletion (negative values) [%] of individual elements with regard to fault rock units at locations studied. Data are averages calculated from data presented in Table 6.

location	unit	MnO	P ₂ O ₅	TiO ₂	Na ₂ O	K ₂ O	CaO	MgO	Fe ₂ O ₃ ^a	Al ₂ O ₃	SiO ₂	LOI
Havelock Creek	PSZ	94.85	65.08	55.91	-31.00	-35.68	395.11	228.83	84.44	12.86	-1.98	629.70
Gaunt Creek	PSZ	98.89	52.93	47.97	-23.97	52.11	329.87	186.48	90.26	12.03	-2.03	626.44
	footwall	52.05	57.04	43.80	-23.26	27.66	209.11	170.12	61.67	8.56	-1.41	454.19
DFDP-1A	hanging-wall	30.72	27.58	16.60	-57.33	52.86	194.04	135.07	29.61	4.05	-1.20	726.69
	PSZ	-26.74	22.07	-8.06	-57.62	48.18	7.90	39.87	-4.20	-7.34	0.05	419.42
Waikukupa Thrust	hanging-wall	64.97	-26.90	17.53	24.26	-82.46	138.77	171.91	61.83	0.11	-0.83	455.16
	PSZ	281.26	34.50	44.46	-50.56	4.37	1263.34	144.54	86.67	9.35	-2.81	912.78
	footwall	37.22	0.31	26.31	-4.30	-31.77	26.22	73.80	40.91	-0.83	-0.18	41.14
Martyr River	hanging-wall	-43.42	26.05	-21.40	-9.39	189.57	-25.18	-43.95	-43.67	-15.12	5.29	128.73
	PSZ	-49.46	-1.42	-39.56	-20.16	138.65	-71.32	26.24	-47.15	-33.13	8.31	79.31

^a Fe₂O₃ is total Fe content.