

Table 4.1 The distribution of 74 reference sites into ecoregion and sub-region showing number of sites in each category or typing.

ECOREGION		Central Highlands				Great Escarpment Mountains						Lowveld									
SUB-REGION (n)		MS (9)		FC (14)		MS (19)		FC (12)		RC (1)		MS (1)		FC (3)		FG (11)		RC (3)		RF (1)	
CHANNEL PATTERN	S	9		12		13		5								1		1			
	SS			2		4		5		1				3		1		2			
	MA					2		2								9				1	
ALTITUDE	0-300													1		7				1	
	301-600											1		1		4		2			
	601-900			1		3		2		1				1				1			
	901-1200	1		3		7		7													
	1201-1500	3		7		5		3													
	>1500	5		3		4															
SUBSTRATUM:	BR			1										1		1		1		1	
	BR/B			1		1		1													
	BR/CP									1						1					
	BR/S							1								4					
	B/CP	2		3		6		3								1		2			
	B/S	1																			
	CP	2		7		8		7				1		1		1					
	CP/S	4		2		4								1		2					
	S															1					
STREAM ORDER	1 or 2	8		6		17		4				1									
	3	1		5		2		4						2				2			
	4 or 5			3				4		1				1		11		1		1	
SOURCE DIST.	0-10	7				17		2				1									
	11-20	2		5		2		4													
	21-50			7				2						2				1			
	51-100			2				3						1		3		2			
	>100							1		1						8				1	
WIDTH (m)		A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W
	1-5	4	9	1	4	6	12	1	2				1								
	6-10	1	0	4	7	7	5	4	6					1	1						
	11-20	2	0	4	3	4	2	2	3		1	1		1	2	1	4	2	1		1
	> 20	2	0	5	0	2		5	1	1				1		10	7	1	2	1	

ECOREGION		Central Highlands		Great Escarpment Mountains			Lowveld				
SUB-REGION (n)		MS (9)	FC (14)	MS (19)	FC (12)	RC (1)	MS (1)	FC (3)	FG (11)	RC (3)	RF (1)
CANOPY COVER	O	3	10	15	11	1	1	3	9	1	1
	P	1	2	1	1						
	C	5	2	3					2	2	
GEOL-TYPE	Jj								1		1
	Jl								2		
	Vgwb			2	2						
	Vm			3	7						
	Vmlw		1								
	Vp	9	10	10	3						
	Vro		1								
	Vru		2								
	Z			4		1	1	3	7	3	
	Zba								1		
VEG-TYPE	AF			1							
	MSHG		2								
	NEMG	8	7	13	9						
	RHG		1								
	MB		3								
	MLB								6		
	SOLB	1	1	5	3	1	1	3	2	3	
	SWLB								2		
	LAMB								1		1

Key to abbreviations: **Sub-region:** MS=Mountain Stream, FC=Foothill-cobble Bed, FG=Foothill-gravel Bed, RC=Rejuvenated cascade, RF=Rejuvenated foothill
Channel pattern: S=Single thread: low sinuosity: single channel, laterally inactive; SS=Single thread: high sinuosity - stable-sinuosity: single channel, moderately, laterally inactive; MA=Multiple thread: anastomosing/anabranching: multi-thread channels separated by vegetated or otherwise stable alluvial islands or bedrock; **Hydrological-type:** P=Perennial; **Stream Dimensions:** A=Active channel width (m), W=Water width (m); Stream Order is taken from 1:250 000; **Substratum:** Classification rule: if any one substratum-type was > 60%, then single dominant type; otherwise two dominant substrata are given. BR=Bedrock, B=Boulder, CP=Cobble/pebble, S=Gravel/sand/mud;
Canopy Cover: O=Open, P=Partially open, C=Closed; **Vegetation type:** AF=Afromontane Forest; MSHG=Moist Sandy Highveld Grassland; NEMG=North-Eastern Mountain Grassland; RHG=Rocky Highveld Grassland; MB=Mopane Bushveld; SOLB=Sour Lowveld Bushveld; MLB=Mixed Lowveld Bushveld; SWLB=Sweet Lowveld Bushveld; LAMB=Lebombo Arid Mountain Bushveld; **Geological types:** Jj=Rhyolite, granophyre, syenite, tuff, breccia, minor sedimentary rocks; Jl=Basalt; north-south trending dolerite dykes along Lebombo range; Vgwb=Lava, tuff, quartzite, shale, conglomerate; Vm=Dolomite, chert, subordinate quartzite, conglomerate, shale; diabase and syenite dykes and sills; Vmlw=Pyroclastics, lava, quartzite, conglomerate, sandstone siltstone; grit, shale, diabase sills; Vp=Quartzite, shale,

conglomerate, iron formation, breccia, diamictite, limestone, dolomite; Vro=Rhyolite, pyroclastics; Vru=Bronzitite, harzitite, harzburgite, norite, pyroxenite, anorthosite, gabbro, diorite; Z=Granite, granodiorite, tonalite, gneiss, migmatite; Zba=Sandstone, shale, conglomerate, greywacke, lava, pyroclastic rocks Zb