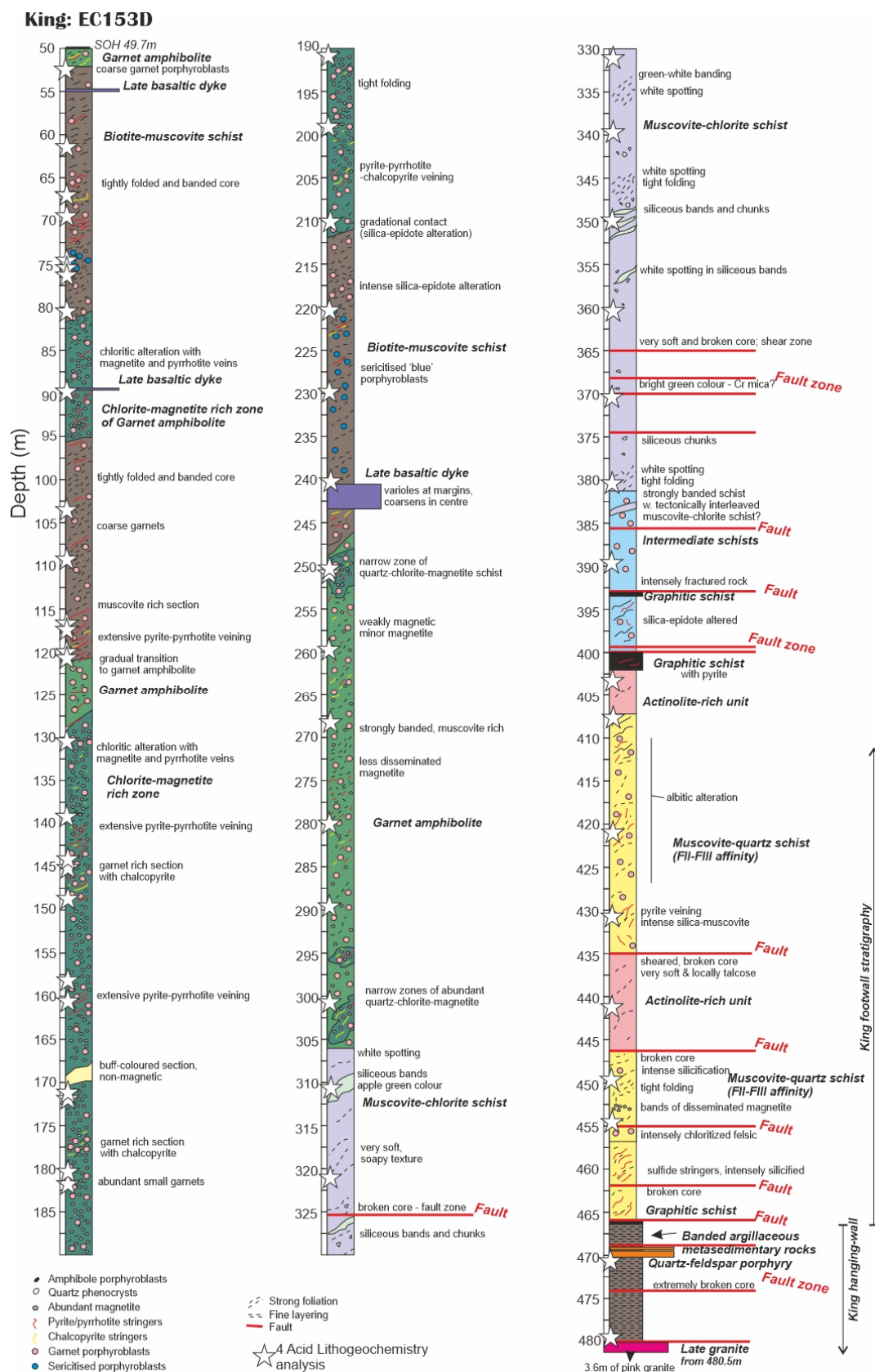
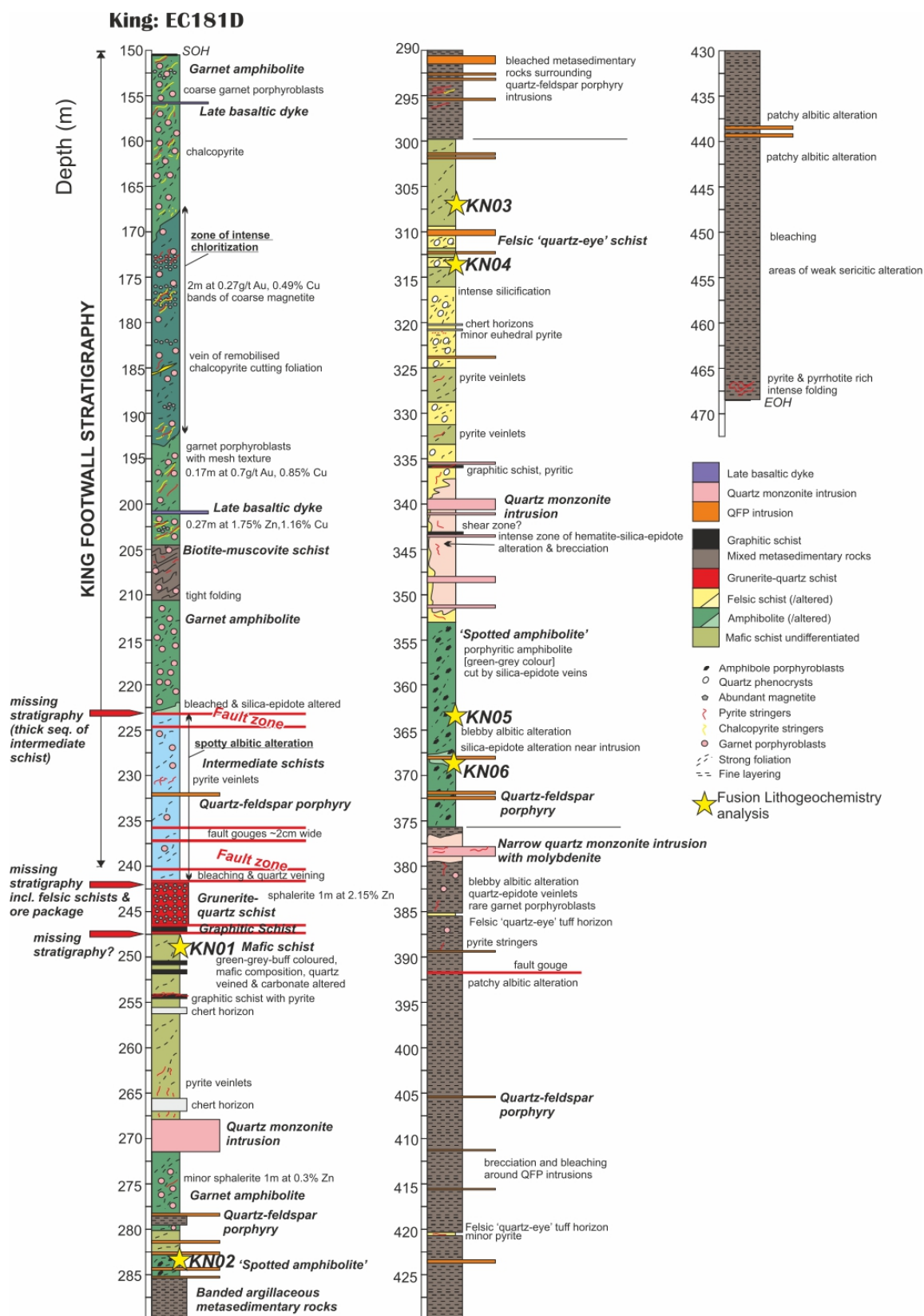


Supplementary Figure S1. Base metal classification scheme for VMS deposits after [38–40], with the fields for Cyprus-, Abitibi- and Kuroko-type deposits of the Urals from [41]. Samples of massive sulfide from King are shown along with significant intercepts of mineralization at King North.



Supplementary Figure S2. Summary geological log of diamond drillhole EC153D through the King footwall stratigraphy. See Figure 10d for the location of this hole.



Supplementary Figure S3. Summary geological log of diamond drillhole EC181D through the King hanging-wall stratigraphy. Much of the stratigraphic footwall has been removed by the King Fault or an adjacent splay. See **Figure 10d** for the location of this hole.

Supplementary Table S1. Whole rock geochemical data from King North and King.

Excel file attached.

Supplementary Table S2. XRD results of rock chips analysed from RC drillholes.

Drillhole	Depth	Lithology	Affinity	Quartz %	Chlorite %	Muscovite %	Albite %	Amphibole %	Epidote %
EC164	23-24m	Chlorite-quartz schist	Felsic	76	20	4			
EC164	38-39m	Chlorite-quartz schist	Felsic	90	9	1			
EC164	40-41m	Chlorite-quartz schist	Felsic	80	14	6			
EC164	52-53m	Chlorite-quartz schist	Felsic	81	12	5	2		
EC164	54-55m	Chlorite-quartz schist	Felsic	73	8	7	12		
EC164	60-61m	Chlorite-quartz schist	Felsic	73	19	7	1		
EC164	63-64m	Chlorite-quartz schist	Felsic	62	27	10	1		
EC164	72-73m	Amphibole-quartz-albite schist	Intermediate	27	10	2	42	19	
EC164	74-75m	Amphibole-quartz-albite schist	Intermediate	41	21		24		14
EC164	79-80m	Amphibole-quartz-albite schist	Intermediate	20	13	1	49	17	
EC175	48-49m	Chlorite-actinolite-quartz schist	-	16	27	10	3		44
EC175	60-61m	Hanging-wall amphibolite	Mafic	7	27		34	32	
EC175	63-64m	Hanging-wall amphibolite	Mafic	4	47		20	29	
EC175	65-66m	Hanging-wall amphibolite	Mafic	3	14		29	54	
EC175	68-69m	Hanging-wall amphibolite	Mafic	12	5		21	62	
EC175	74-75m	Hanging-wall amphibolite	Mafic	13	27		22	38	
EC175	76-77m	Hanging-wall amphibolite	Mafic	13	16		27	44	
EC175	81-82m	Hanging-wall amphibolite	Mafic	15	3		19	63	
EC175	95-96m	Hanging-wall amphibolite	Mafic	1	5		16	80	
EC175	98-99m	Hanging-wall amphibolite	Mafic	37	3		12	42	6