

Supplementary Table 2. Calculated mass change values for selected variably altered and mineralized dacitic rocks from Nimbus after Grant [41-42]. Sample ALS-GK012 (felsic volcanic sandstone) from distal drillhole BODH01 was used as a least altered precursor. Icocons were constructed using combinations of elements Al, Hf, La, Nb, Ta, Tb, Ti, Y, Yb and Zr. Mass gains/losses for trace elements are in ppm unless otherwise stated (in samples of massive pyrite/high-Ag polymetallic ore).

Element	Weakly altered (qtz-ser) NBDH010/458m	Moderately altered (qtz-ser-py) NBDH010/551m	Intensely altered (qtz-py>>fuch) BOD202/395m	Massive pyrite NBDH012/218m	High-Ag polymetallic ore zone NBDH024/164m
SiO ₂ (wt.%)	+20.0	+261.6	+68.4	+217.5	
Fe ₂ O _{3t}	-5.2	+27.3	+53.0	+1556.0	
Al ₂ O ₃	+0.1	0.0	0.0	0.0	
MgO	-3.2	-3.7	-3.8	-1.6	
CaO	-1.1	-2.2	-2.5	-1.4	
K ₂ O	+0.4	+7.6	+1.8	+4.6	
Na ₂ O	-1.1	+2.6	-0.9	+1.5	
LOI	-1.3	+19.7	+29.5	+1363.2	
S (wt.%)	-0.2	+26.1	+47.4	+1792.6	+2599.8
Ag (ppm)	-0.1	+3.8	+2.7	+498.8	+20.8 wt.%
As	+3.2	+279.5	+434.4	+2.0 wt.%	+19.3 wt.%
Ba	+120.7	+594.6	+293.4	+0.1 wt.%	+0.4 wt.%
Bi	+0.4	+0.2	+9.0	+4.7	+26.5
Cd	-0.2	-0.1	+0.2	+9.7	+9.8 wt.%
Cr	-249.3	-214.1	+280.9	+138.4	+0.1 wt.%
Co	+11.7	+90.1	+163.9	+1.3 wt.%	+0.3 wt.%
Cu	+34.6	+8.8	+534.3	+0.3 wt.%	+2.0 wt.%
Cs	+0.8	+7.3	+4.2	+27.5	+24.3
Eu	-0.9	+1.4	-0.8	+1.1	+5.3
Rb	-2.7	+186.1	+28.9	+112.1	-7.3
Ni	-97.9	-24.0	+881.9	+1.1 wt.%	+3.6 wt.%
Pb	-7.5	113.3	+169.19	+0.7 wt.%	+1559.6 wt.%
Sb	+1.9	+53.5	+61.8	+0.9 wt.%	+24.5 wt.%
Te	0.0	+0.2	+0.1	+10.3	+6.6
Tl	+0.6	+6.7	+4.1	+68.0	+0.1 wt.%
Zn	-49.9	-22.1	+358.86	+0.1 wt.%	+3547.2 wt.%
Au (ppb)	-0.5	+17.3	+69.4	+437.2	+11,065.7

Supplementary Table 3. Calculated mass change values for selected mafic rocks from Nimbus, after Grant [41-42], using sample ALS-GK019 (Brindabella basalt) from distal drillhole BODH015 as a least altered precursor. Elements La, Nb, Tb, Th, Y, Yb (\pm Zr and Hf) were used to construct sample isocons (R^2 0.93 to 0.99).

Element	Weak alteration (qtz) NBDH013/188m	Moderate alteration (qtz-carb) NBDH010/306m	Strong alteration (qtz-carb>>py) BOD202/358m
SiO ₂ (wt.%)	+25.4	+11.9	+8.8
Fe ₂ O _{3t}	-6.2	-4.7	-6.1
Al ₂ O ₃	+7.8	+7.2	-2.2
MgO	-1.8	-1.8	-0.1
CaO	-4.0	+2.6	+4.2
K ₂ O	-0.1	0.0	-0.5
Na ₂ O	+3.6	+2.1	+0.3
LOI	-5.5	+1.5	+4.6
S	-0.1	+0.4	+0.0
Ag (ppm)	0.0	-0.2	-0.2
As	-101.5	-83.0	-101.4
Ba	+267.3	+12.6	+18.1
Bi	0.0	0.0	0.0
Cd	0.0	-0.2	-0.2
Cr	+247.1	+136.1	+347.5
Co	-17.4	+16.3	-2.4
Cu	+84.2	+122.3	+26.4
Cs	+0.6	+1.1	+0.5
Eu	0.0	+0.1	-0.4
Rb	+0.9	+2.1	-9.3
Ni	+143.1	+124.8	+120.8
Pb	+1.5	+1.8	-1.3
Sb	-1.4	-1.5	-1.1
Te	0.0	0.0	0.0
Tl	0.0	+0.3	+0.1
Zn	-20.3	-20.0	-39.8
Au (ppb)	0.5	-2.8	-1.9