
List of mineral species in the Leadhills–Wanlockhead district (Gillanders 1981, with additions)

Primary minerals

Ankerite $\text{Ca}(\text{Fe},\text{Mg},\text{Mn}) (\text{CO}_3)_2$

Aragonite CaCO_3

Barite BaSO_4

Calcite CaCO_3

Chalcopyrite CuFeS_2

Cobaltite CoAsS

Galena PbS

Marcasite FeS_2

Niccolite NiAs

Pyrite FeS_2

Quartz SiO_2

Rammelsbergite NiAs_2

Sphalerite ZnS

Witherite BaCO_3

Secondary minerals

Lead (Pb)

Anglesite PbSO_4

Beudantite $\text{PbFe}_3(\text{AsO}_4) (\text{SO}_4)(\text{OH})_6$

Caledonite $\text{Pb}_5\text{Cu}_2(\text{CO}) (\text{SO}_4)_3(\text{OH})_6$

Cerussite PbCO_3

Chenite $\text{Pb}_4\text{Cu}(\text{SO}_4)_2(\text{OH})_6$

Cotunnite PbCl_2

Crocoite PbCrO_4

Descloizite $\text{PbZn}(\text{VO}_4)(\text{OH})$

Elyite $\text{Pb}_4\text{Cu}(\text{SO}_4)(\text{OH})$

Hydrocerussite $\text{Pb}_3(\text{CO}_3)_2(\text{OH})_2$

Lanarkite $\text{PbO} \cdot \text{PbSO}_4$

Lautenthalite $\text{PbCu}_4(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$

Leadhillite $\text{Pb}_4(\text{SO}_4)(\text{CO}_3)_2(\text{OH})_2$

Lead hydroxy-apatite $2(\text{Pb}_5(\text{PO}_4)_3\text{OH})$

Linarite $\text{PbCu}(\text{SO}_4)(\text{OH})_2$

Litharge PbO

Mattheddleite $\text{Pb}_5(\text{SiO}_4, \text{SO}_4)_3\text{Cl}$

Mimetite $\text{Pb}_5(\text{AsO}_4)_3\text{Cl}$

Minium Pb_3O_4

Macphersonite $\text{Pb}_4(\text{SO}_4)(\text{CO}_3)_2(\text{OH})_2$

Paralaurionite $\text{PbCl}(\text{OH})$

Phoenicochroite $\text{Pb}_2(\text{CrO}_4)\text{O}$

Plattnerite PbO_2

Plumbogummite $\text{PbAl}_3(\text{PO}_4)_2(\text{OH})_5 \cdot \text{H}_2\text{O}$

Pyromorphite $\text{Pb}_5(\text{PO}_4)_3\text{Cl}$

Queitite $\text{Pb}_4\text{Zn}_2(\text{SO}_4)(\text{SiO}_4)(\text{Si}_2\text{O}_7)$

Scotlandite PbSO_3

Susannite $\text{Pb}_4(\text{SO}_4)(\text{CO}_3)_2(\text{OH})_2$

Vanadinite $\text{Pb}_5(\text{VO}_4)_3\text{Cl}$

Vaguefinitite $\text{Pb}_2\text{Cu}(\text{CrO}_4)(\text{PO}_4)(\text{OH})$

Wulfenite Pb MoO_4

Zinc (Zn)

Aurichalcite $(\text{Zn}, \text{Cu})_5(\text{CO}_3)_2(\text{OH})_6$

Goslarite $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$

Hemimorphite $\text{Zn}_4\text{Si}_2\text{O}_7(\text{OH})_2 \cdot \text{H}_2\text{O}$

Hydrozincite $\text{Zn}_5(\text{CO}_3)_2(\text{OH})_6$

Copper (Cu)

Azurite $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$

Brochantite $\text{Cu}_4(\text{SO}_4)(\text{OH})_6$

Chalcocite Cu_2S

Chrysocolla $(\text{Cu},\text{Al})_2\text{H}_2\text{Si}_2\text{O}_5(\text{OH}), n\text{H}_2\text{O}$

Copper , native Cu

Covellite CuS

Langite $\text{Cu}_4(\text{SO}_4)(\text{OH})_6 \cdot 2\text{H}_2\text{O}$

Malachite $\text{Cu}_2(\text{CO}_3)(\text{OH})_2$

Olivenite $\text{Cu}_2\text{AsO}_4(\text{OH})$

Serpierite $\text{Ca}(\text{Cu},\text{Zn})_4(\text{SO}_4)_2(\text{OH})_6 \cdot 3\text{H}_2\text{O}$

Tenorite CuO

Veszelyite $(\text{Cu},\text{Zn})_3(\text{PO}_4)(\text{OH})_3 \cdot 2\text{H}_2\text{O}$

Wroewolfite $\text{Cu}_4(\text{SO}_4)(\text{OH})_6 \cdot 2\text{H}_2\text{O}$

Others

Annabergite $\text{Ni}_3(\text{AsO}_4)_2 \cdot 8\text{H}_2\text{O}$

Apatite $\text{Ca}_5(\text{PO}_4)_3(\text{F},\text{OH},\text{Cl})$

Chlorite $(\text{Mg}, \text{Fe}, \text{Al})_6\text{AlSi}_3\text{O}_{10}(\text{OH})_8$

Erythrite $\text{Co}_3(\text{AsO}_4)_2 \cdot 8\text{H}_2\text{O}$

Fluorite CaF_2

Goethite $\text{FeO}(\text{OH})$

Gold Au Greenockite CdS

Gypsum $\text{CaSO}_4 \cdot \text{H}_2\text{O}$

Haematite Fe_2O_3

Magnesite MgCO_3

Palygorskite $(\text{Mg},\text{Al})_2\text{Si}_4\text{O}_{10}(\text{OH}) \cdot 4\text{H}_2\text{O}$

Psilomelane $2((\text{Ba},\text{H}_2\text{O})_2\text{Mn}_5\text{O}_{10})$

Pyrolusite MnO_2

Siderite FeCO_3

Strontianite SrCO_3

Titanite CaTiSiO_5

References