




AUSTRALIA
GEOLOGY

This map mainly shows bedrock, classified by mode of origin, composition and age. Areas overlain by relatively deep unconsolidated deposits or deep-weathering mantles are also shown.

<p>SEDIMENTARY AND LOW-GRADE METAMORPHIC ROCKS</p> <p>Age indicated by prefix letters, as in Ob (Quaternary basalt etc.) or PRg (Permian-Triassic granite etc.).</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Volcanic Rocks</p> <ul style="list-style-type: none"> Acid to intermediate Rhyolite, trachyte, phonolite, dacite, andesite Basic to ultrabasic Basalt, trachybasalt, limburgite, komatiite </td> <td style="width: 50%; vertical-align: top;"> <p>Intrusive Rocks</p> <ul style="list-style-type: none"> Acid to intermediate Granite, syenite, granodiorite, diorite Basic to ultrabasic Diorite, gabbro, norite, pyroxenite, peridotite, dunite, serpentinite </td> </tr> </table> <p>MEDIUM TO HIGH-GRADE METAMORPHIC ROCKS</p> <p>Age indicated by prefix letters as in A1 or En.</p> <ul style="list-style-type: none"> Metamorphosed igneous and minor sedimentary rocks Granite gneiss, mylonite, amphibolite, quartzite Metamorphosed sedimentary and volcanic rocks Schist, gneiss, granulite, quartzite, marble, amphibolite, calc-silicates <p>Main Rock Types</p> <ul style="list-style-type: none"> Surficial Deposits and Weathering Mantles Clay, silt, sand, gravel, evaporite, laterite, silcrete, caliche, calcarenite Sedimentary Rocks Mudstone, shale, siltstone, sandstone, conglomerate, limestone, dolomite, diabasite, banded iron formation Low grade Metamorphic Rocks Slate, phyllite, low-grade schist 	<p>Volcanic Rocks</p> <ul style="list-style-type: none"> Acid to intermediate Rhyolite, trachyte, phonolite, dacite, andesite Basic to ultrabasic Basalt, trachybasalt, limburgite, komatiite 	<p>Intrusive Rocks</p> <ul style="list-style-type: none"> Acid to intermediate Granite, syenite, granodiorite, diorite Basic to ultrabasic Diorite, gabbro, norite, pyroxenite, peridotite, dunite, serpentinite 	<p>IGNEOUS ROCKS</p> <p>Age indicated by prefix letters, as in Ob (Quaternary basalt etc.) or PRg (Permian-Triassic granite etc.).</p> <p>Volcanic Rocks</p> <ul style="list-style-type: none"> Acid to intermediate Rhyolite, trachyte, phonolite, dacite, andesite Basic to ultrabasic Basalt, trachybasalt, limburgite, komatiite <p>Intrusive Rocks</p> <ul style="list-style-type: none"> Acid to intermediate Granite, syenite, granodiorite, diorite Basic to ultrabasic Diorite, gabbro, norite, pyroxenite, peridotite, dunite, serpentinite <p>MEDIUM TO HIGH-GRADE METAMORPHIC ROCKS</p> <p>Age indicated by prefix letters as in A1 or En.</p> <ul style="list-style-type: none"> Metamorphosed igneous and minor sedimentary rocks Granite gneiss, mylonite, amphibolite, quartzite Metamorphosed sedimentary and volcanic rocks Schist, gneiss, granulite, quartzite, marble, amphibolite, calc-silicates <p>Main Rock Types</p> <ul style="list-style-type: none"> Surficial Deposits and Weathering Mantles Clay, silt, sand, gravel, evaporite, laterite, silcrete, caliche, calcarenite Sedimentary Rocks Mudstone, shale, siltstone, sandstone, conglomerate, limestone, dolomite, diabasite, banded iron formation Low grade Metamorphic Rocks Slate, phyllite, low-grade schist
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Produced for the Atlas of Australian Resources 3rd Series
Division of National Mapping, Canberra
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Printed by C. J. Thompson, Commonwealth Government Printer, Canberra