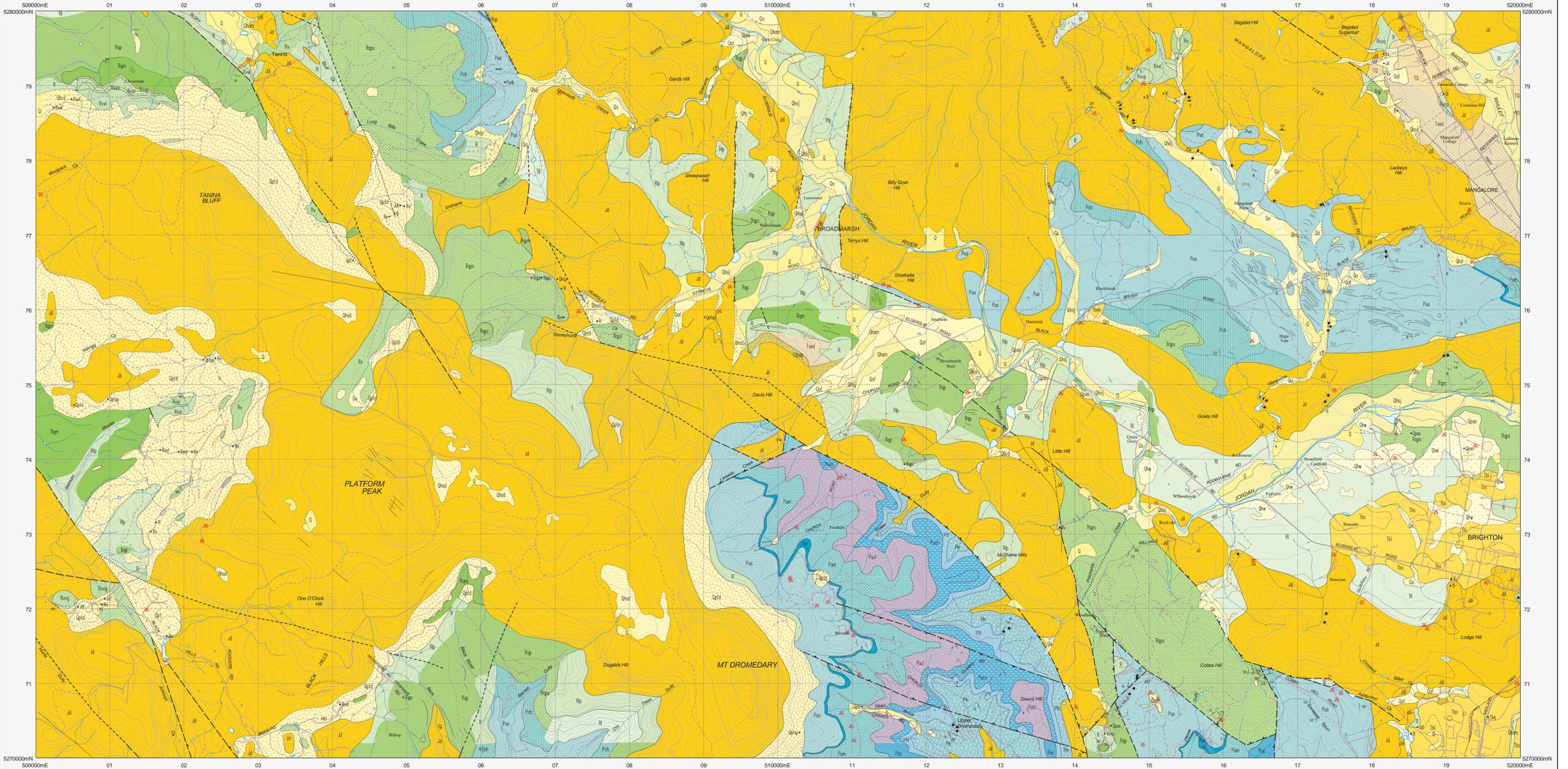


# BROADMARSH

Scale: 1:25 000



|                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QUATERNARY          | Qmnm | Man made deposits (Qmnm)                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                     | Qm   | Asolian and locally derived sand (Qm)                                                                                                                                                                                                                                                                                                                                                                                                            |
|                     | Qhc  | Coluvium (Qhc) - sandy, derived from Upper Permian rocks (Qhp), derived predominantly from Lower Permian rocks (Qh), clayey gravel derived from dolerite (Qhd)                                                                                                                                                                                                                                                                                   |
|                     | Ql   | Lag deposits (Ql)                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                     | Qhob | Swamp deposits (Qhob) Highland marsh deposits with common protruding dolerite outcrops and boulders (Qhob)                                                                                                                                                                                                                                                                                                                                       |
|                     | Qa   | Alluvial gravel sand and clay (Qa), alluvial fans (Qaf), Holocene alluvium (Qah), alluvial and marsh deposits of modern level plains composed of gravel sand silt and clay commonly with dark coloured top layer (Qan)                                                                                                                                                                                                                           |
|                     | Qpao | Alluvial terrace deposits (Qpao)                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                     | Qptr | Dolerite scree deposits (Qptr)                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                     | Qpl  | Talus and remobilized talus deposits (Qpl), talus predominantly of dolerite boulders and in places subordinate Permian rocks (Qpl), predominantly of Upper Permian sandstone and sand (Qpl), silty talus breccia derived from Lower Permian rocks (Qpl), talus of dolerite and dolerite Upper Permian rocks (Qpl), of dolerite with notable amounts of Upper Permian quartzose sandstone (Qpl), predominance of Lower Permian and dolerite (Qpl) |
|                     | Qtd  | Un differentiated Cenozoic deposits with possible subordinate Tertiary basalt (Tdb)                                                                                                                                                                                                                                                                                                                                                              |
| PALEOGENE - MIOCENE | Tdb  | Tertiary basalt (Tdb)                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                     | Tcb  | Inferred dolerite boulder bed or Tertiary weathered Jurassic dolerite bedrock (Tcb)                                                                                                                                                                                                                                                                                                                                                              |
|                     | Tcd  | Conglomerate, clasts dominantly of dolerite to cobble or small boulder size, zeolite cemented matrix with some quartz sand (Tcd)                                                                                                                                                                                                                                                                                                                 |
|                     | Tcb  | Dominantly plastic poorly-consolidated light cream, grey or tan coloured mudstone, siltstone and sandstone with some soft, friable sandstone (Tcb)                                                                                                                                                                                                                                                                                               |
|                     | Tcd  | Conglomerate, clasts dominantly of dolerite to cobble or small boulder size, zeolite cemented matrix with some quartz sand (Tcd)                                                                                                                                                                                                                                                                                                                 |
|                     | Tcb  | Dominantly plastic poorly-consolidated light cream, grey or tan coloured mudstone, siltstone and sandstone with some soft, friable sandstone (Tcb)                                                                                                                                                                                                                                                                                               |
|                     | Tcd  | Conglomerate, clasts dominantly of dolerite to cobble or small boulder size, zeolite cemented matrix with some quartz sand (Tcd)                                                                                                                                                                                                                                                                                                                 |
|                     | Tcb  | Dominantly plastic poorly-consolidated light cream, grey or tan coloured mudstone, siltstone and sandstone with some soft, friable sandstone (Tcb)                                                                                                                                                                                                                                                                                               |
|                     | Tcd  | Conglomerate, clasts dominantly of dolerite to cobble or small boulder size, zeolite cemented matrix with some quartz sand (Tcd)                                                                                                                                                                                                                                                                                                                 |
|                     | Tcb  | Dominantly plastic poorly-consolidated light cream, grey or tan coloured mudstone, siltstone and sandstone with some soft, friable sandstone (Tcb)                                                                                                                                                                                                                                                                                               |

|          |          |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------|----------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MESOZOIC | TRIASIC  | Rvq  | Thin- to thin-bedded volcanic lithic sandstone, siltstone, mudstone and coal (Rvq) from some horizons (Rvq) (see Mesozoic (Lower Permian) section) (Rvq)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|          |          | Rvpc | Un differentiated Upper Permian below unit Rvq (Rvpc) Dominantly medium- to coarse-grained sandstone, minor mudstone, minor siltstone and sandstone, sandstone to mudstone ratio is < 3:1, contains clay pellet conglomerate (Rvpc)                                                                                                                                                                                                                                                                                                                                                                                              |
|          |          | Rvpl | Interbedded cross-bedded white quartzose sandstone, quartz-rich lithic sandstone, siltstone and mudstone, interbeds with much dark grey carbonaceous mudstone, thin lenticular coal seams and fossil plants in places (Rvpl)                                                                                                                                                                                                                                                                                                                                                                                                     |
|          |          | Rvpm | Interbedded yellow brown or grey carbonaceous siltstone, mudstone and thin- to thick-bedded quartz-rich lithic, arkosic sandstone, some fossil plants, common siltstone palaeosols (Rvpm)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|          |          | Rvps | Predominantly fine-grained quartz sandstone, commonly partly allicolled, interbedded with mudstone and lithic sandstone of siltstone (Rvps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|          |          | Rvpr | Predominantly brown, buff, grey carbonaceous and green siltstone and mudstone, interbedded with lithic sandstone, quartz sandstone and thin beds of allicolled sandstone (Rvpr)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|          |          | Rvpp | Lenticular variable medium- to coarse-grained sandstone, generally contains quartz pebbles and locally quartz pebbles (Rvpp) Rv = Rvq + Rvpc + Rvpl + Rvpm + Rvps + Rvpr + Rvpp                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|          |          | Rvpo | Interbedded micaceous brown, red-purple, green and grey carbonaceous siltstone, mudstone and sandstone, ripple-orientated or cross-bedded sandstone (Rvpo)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|          |          | Rvpi | Freshwater predominantly cross-bedded quartzose to feldspathic sandstone commonly with well-sorted cross-bedding and subordinate micaceous siltstone with some red-purple beds, sparse plant and vertebrate fossils (Rvpi) - Knocklyall Formation (Rvpi), contact metamorphosed by Jurassic dolerite (Rvpi), interbeds predominantly of siltstone, sand, mudstone and sandstone indicated (Rvpi) intervals of thickly bedded medium- to coarse-grained quartz sandstone and very shaly usually black shale layers and sandstone to shale ratio normally > 10:1 (Rvpi), Unit Rv contact metamorphosed by Jurassic dolerite (Rvpi) |
|          |          | Rvpi | Freshwater cross-bedded arkosic to quartzose sandstone and micaceous siltstone, thin beds of quartz pebble conglomerate near base in many areas, upper interval less feldspathic (concrete in part of Cypret Coal Measures) (Rvpi)                                                                                                                                                                                                                                                                                                                                                                                               |
| MESOZOIC | JURASSIC | Ju   | Generally poorly fossiliferous, interbedded glauconitic fine- to medium-grained sandstone and siltstone to non-fossil siltstone with common limestones and pebble rich patches, top beds richly fossiliferous, lower beds generally coarse-grained and variably fossiliferous (Mullins Formation) (Ju)                                                                                                                                                                                                                                                                                                                           |
|          |          | Ju   | Dominantly richly fossiliferous, interbedded glauconitic grey bioclastic and argillaceous limestone and calcareous siltstone overlain by fossiliferous siltstone in some areas (Berriedale Limestone in part) (Ju)                                                                                                                                                                                                                                                                                                                                                                                                               |
|          |          | Ju   | Dark grey richly to sparsely fossiliferous glauconitic siltstone and calcareous siltstone and coarse-grained poorly-sorted sandy sandstone (Ossau Siltstone and Rymer Sandstone) (Ju)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|          |          | Ju   | Purple siltstone and fine-grained sandstone, variably bedded - massive, laminated, flaser bedded, rippled, thin beds of cross-laminated or wavy-bedded sandstone, glauconitic intervals and thin beds of pebbly granule sandstone (Faulkner Group) (Ju)                                                                                                                                                                                                                                                                                                                                                                          |
|          |          | Ju   | Generally fossiliferous, fossil and non-fossil glauconitic siltstone and sandstone, with limestones; richly fossiliferous central interval with some impure limestone; upper interval dominantly of less fossiliferous micaceous siltstone (Bundee Formation) (Ju)                                                                                                                                                                                                                                                                                                                                                               |
|          |          | Ju   | Dark grey richly to sparsely fossiliferous glauconitic siltstone and calcareous siltstone and coarse-grained poorly-sorted sandy sandstone (Ossau Siltstone and Rymer Sandstone) (Ju)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|          |          | Ju   | Purple siltstone and fine-grained sandstone, variably bedded - massive, laminated, flaser bedded, rippled, thin beds of cross-laminated or wavy-bedded sandstone, glauconitic intervals and thin beds of pebbly granule sandstone (Faulkner Group) (Ju)                                                                                                                                                                                                                                                                                                                                                                          |
|          |          | Ju   | Generally fossiliferous, fossil and non-fossil glauconitic siltstone and sandstone, with limestones; richly fossiliferous central interval with some impure limestone; upper interval dominantly of less fossiliferous micaceous siltstone (Bundee Formation) (Ju)                                                                                                                                                                                                                                                                                                                                                               |
|          |          | Ju   | Dark grey richly to sparsely fossiliferous glauconitic siltstone and calcareous siltstone and coarse-grained poorly-sorted sandy sandstone (Ossau Siltstone and Rymer Sandstone) (Ju)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|          |          | Ju   | Purple siltstone and fine-grained sandstone, variably bedded - massive, laminated, flaser bedded, rippled, thin beds of cross-laminated or wavy-bedded sandstone, glauconitic intervals and thin beds of pebbly granule sandstone (Faulkner Group) (Ju)                                                                                                                                                                                                                                                                                                                                                                          |

|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|----------|----------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|----------|-----|-----------------------------------------------------------------------------------------------------------------------------------|
| MESOZOIC | CENOZOIC | NEOGENE  | MIOCENE  | Pliocene                                                                                                                          | Pli      | Dolerite (Pl), dolerite inferred beneath soil or Cenozoic deposits (Pl), basalt or transported dolerite masses (Pl), dolerite of granitoid 0.7 - 1.5mm (Pl) indicated. |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   | MESOZOIC | JURASSIC                                                                                                                                                               | Jurassic                                                                                                                          | Ju       | Dolerite (Jd), dolerite inferred beneath soil or Cenozoic deposits (Jd), basalt or transported dolerite masses (Jd), dolerite of granitoid 0.7 - 1.5mm (Jd) indicated. |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   | MESOZOIC | TRIASIC                                                                                                                                                                | Triassic                                                                                                                          | Tb       | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   | Tbn      | Olivine nephelinite (Tbn).                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   | MESOZOIC | TRIASIC                                                                                                                           | Triassic                                                                                                                          | Tb       | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   | Tbn      | Olivine nephelinite (Tbn).                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   | MESOZOIC | TRIASIC                                                                                                                           | Triassic                                                                                                                          | Tb       | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   | Tbn      | Olivine nephelinite (Tbn).                                                                                                        |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   | MESOZOIC | TRIASIC                                                                                                                           | Triassic | Tb  | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          | Tbn | Olivine nephelinite (Tbn).                                                                                                        |
| MESOZOIC | TRIASIC  | Triassic | Tb       | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | Tbn      | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                                                     | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | Tbn                                                                                                                                                                    | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                                                     | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | Tbn                                                                                                                                                                    | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |                                                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
| MESOZOIC | TRIASIC  | Triassic |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          | MESOZOIC | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                                                               | TRIASIC                                                                                                                           | Triassic |                                                                                                                                   |                                                                                                                                   |          | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (Tbn), thalite (Tbt), quartz thalite (Ttq), inferred basalt beneath soil or Cenozoic deposits (Tb). |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                   |                                                                                                                                   |          | Tbn                                                                                                                               | Olivine nephelinite (Tbn).                                                                                                        |          |                                                                                                                                   |          |     |                                                                                                                                   |
|          |          |          |          |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          |                                                                                                                                                                        |                                                                                                                                   |          | MESOZOIC                                                                                                                          | TRIASIC                                                                                                                           | Triassic | Tb                                                                                                                                | Basalt (Tb), nepheline basalt (                                                                                                   |          |                                                                                                                                   |          |     |                                                                                                                                   |