

| Seamless Digital Geological Map of Japan<br>(1:200,000) V2<br>(Igneous rock)<br><br>ver. 2020/7/10 |        |       |     |                 |            | Igneous rocks             |      |                       |        |                                      |                              |                 |                              |                                              |                |                              |                |                              |                |                          |          |                          |        |        |        |                          |        |                         |          |                   |          |         |        |                   |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       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|                                                                                                    |        |       |     |                 |            | volcanic rocks            |      |                       |        |                                      |                              |                 |                              |                                              |                |                              |                |                              |                | plutonic rocks           |          |                          |        |        |        |                          |        |                         |          |                   |          |         |        |                   |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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|                                                                                                    |        |       |     |                 |            | debris, volcanic deposits |      | volcanic fan deposits |        | basalt, alkali basalt & trachybasalt |                              |                 |                              | andesite, basaltic andesite & trachyandesite |                |                              |                | dacite, rhyolite & trachyte  |                |                          |          | ultramafic rocks         |        | gabbro |        | diorite & quartz diorite |        | granodiorite & tonalite |          |                   |          | granite |        |                   |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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|                                                                                                    |        |       |     |                 |            |                           |      |                       |        | lava & pyroclastic rocks             |                              | intrusive rocks |                              | lava & pyroclastic rocks                     |                | pyroclastic flow             |                | intrusive rocks              |                | lava & pyroclastic rocks |          |                          |        |        |        |                          |        | pyroclastic flow        |          | intrusive rocks   |          |         |        |                   |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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|                                                                                                    |        |       |     |                 |            |                           |      |                       |        | basalt                               | alkali basalt & trachybasalt | basalt          | alkali basalt & trachybasalt | andesite & basaltic andesite                 | trachyandesite | andesite & basaltic andesite | trachyandesite | andesite & basaltic andesite | trachyandesite | basaltic andesite        | trachyte |                          |        |        |        |                          |        | basaltic andesite       | trachyte | basaltic andesite | trachyte |         |        | basaltic andesite | trachyte |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| Geological time scale                                                                              |        |       |     |                 |            | island arc & continental  |      |                       |        |                                      |                              |                 |                              |                                              |                |                              |                |                              |                | oceanic                  |          | island arc & continental |        |        |        |                          |        |                         |          |                   |          |         |        |                   |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        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| Era                                                                                                | Period | Epoch | Age | lower limit(Ma) | age symbol | V_ad                      | V_al | Vbs_al                | Vbs_al | Vbs_al                               | Vbs_al                       | Vbs_al          | Vbs_al                       | Vbs_al                                       | Vbs_al         | Vbs_al                       | Vbs_al         | Vbs_al                       | Vbs_al         | Vbs_al                   | Vbs_al   | Vbs_al                   | Vbs_al | Vbs_al | Vbs_al | Vbs_al                   | Vbs_al | Vbs_al                  | Vbs_al   | Vbs_al            | Vbs_al   | Vbs_al  | Vbs_al | Vbs_al            | Vbs_al   | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al | Vbs_al 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