## Federal Geographic Data Committee (Doc. No. FGDC-STD-013-2006)U.S. GeoFGDC Digital Cartographic Standard for Geologic Map Symbolization (PostScript Implementation)

| 7—CLEAVAGE |   |                        |  |   |  |  |  |
|------------|---|------------------------|--|---|--|--|--|
| REF NO     | DESCRIPTION   | SYMBOL                 | CARTOGRAPHIC SPECIFICATIONS*   | NOTES ON USAGE*   |  |  |  |
| 7.1        | Horizontal cleavage (generic or type unspecified)   | ÷                      | all lineweights $\underbrace{100}_{.2 \text{ mm}} + 1.0 \text{ mm}$<br>$2 \text{ mm}$ $4.0 \text{ mm}$ $\underbrace{1+\frac{1}{5}}_{.2 \text{ mm}} + 1.0 \text{ mm}$<br>$\underbrace{1-\frac{1}{5}}_{.2 \text{ mm}} + 4.0 \text{ mm}$  | For symbols represent-<br>ing a single observation<br>at one locality, point of<br>observation is the mid-<br>point of the strike line.<br>For multiple observa-<br>tions at one locality, join<br>symbols at the "tail"<br>ends of the strike lines<br>(opposite the ornamen-<br>tation); the junction<br>point is at point of<br>observation. To obey the |  |  |  |
| 7.2        | Inclined cleavage (generic or type unspecified)—<br>Showing strike and dip  |                        | $\frac{HI-6}{20} \underbrace{\frac{1}{2}}_{mm} \underbrace{\frac{1}{4}}_{mm} 1.0 \text{ mm}$   |   |  |  |  |
| 7.3        | Vertical cleavage (generic or type unspecified)—<br>Showing strike  | ⊢–-I                   | ⊢— I.5 mm  |   |  |  |  |
| 7.4        | Inclined (dip direction to right) cleavage (generic or type unspecified), for multiple observations at one locality—Showing strike and dip              | 20                     | 5.5 ¥ 20 ← HI-6<br>,0 mm K   |   |  |  |  |
| 7.5        | Inclined (dip direction to left) cleavage (generic or<br>type unspecified), for multiple observations at one<br>locality—Showing strike and dip         | 20                     | 20   | right-hand rule, use the<br>"dip direction to right"<br>symbols (use "dip direc-  |  |  |  |
| 7.6        | Vertical cleavage (generic or type unspecified), for<br>multiple observations at one locality—Showing<br>strike   |                        | ¥ 1.5 mm   | tion to left" symbols only<br>when necessary to pre-<br>vent overcrowding).   |  |  |  |
| 7.7        | Horizontal continuous, slaty cleavage   | <del>السِّا</del>      | all lineweights <u>↓</u> + k 1.0 mm<br>.2 mm 4.0 mm + 1.0 mm   |   |  |  |  |
| 7.8        | Inclined continuous, slaty cleavage—Showing strike and dip  |                        | $\begin{array}{c} HI-6 & 5mm \\ \underline{25} & \underline{10} & \underline{10} & mm \\ \underline{10} & \underline{10} & mm \\ \underline{10} & \underline{10} & mm \\ \underline{10} & \underline{10} & \underline{10} & \underline{10} \\ \underline{10} & \underline{10} & 1$ |   |  |  |  |
| 7.9        | Vertical continuous, slaty cleavage—Showing strike  | HH                     | $+-++\frac{\psi}{\hbar}$ 1.5 mm  |   |  |  |  |
| 7.10       | Inclined (dip direction to right) continuous, slaty<br>cleavage, for multiple observations at one locality<br>—Showing strike and dip                   | <sup>25</sup>          | 5.5 ∉ <sub>25</sub> ← HI-6<br>mm<br>1.0 mm ← .5 mm   |   |  |  |  |
| 7.11       | Inclined (dip direction to left) continuous, slaty<br>cleavage, for multiple observations at one locality<br>—Showing strike and dip                    | J <sup>25</sup>        | ×25  |   |  |  |  |
| 7.12       | Vertical continuous slaty, cleavage, for multiple<br>observations at one locality—Showing strike  |                        | ¥ 1.5 mm   |   |  |  |  |
| 7.13       | Horizontal disjunctive, spaced cleavage   | $\oplus$               | all lineweights<br>.2 mm<br>4.0 mm   |   |  |  |  |
| 7.14       | Inclined disjunctive, spaced cleavage—Showing strike and dip  |                        | $\begin{array}{c c c c c c c c c c c c c c c c c c c $   |   |  |  |  |
| 7.15       | Vertical disjunctive, spaced cleavage—Showing strike  | H-H                    | H──H ¥ 1.5 mm  |   |  |  |  |
| 7.16       | Inclined (dip direction to right) disjunctive, spaced<br>cleavage, for multiple observations at one locality<br>—Showing strike and dip                 | 30                     | 5.5 ∉ 30 ← HI-6<br>mm * *1.0 mm  |   |  |  |  |
| 7.17       | Inclined (dip direction to left) disjunctive, spaced<br>cleavage, for multiple observations at one locality<br>—Showing strike and dip                  | <sup>30</sup>          | , <sup>1130</sup>  |   |  |  |  |
| 7.18       | Vertical disjunctive, spaced cleavage, for multiple observations at one locality—Showing strike   | H                      | ≯ 1.5 mm   |   |  |  |  |
| 7.19       | Horizontal disjunctive, symmetric crenulation cleavage  | $\oplus$               | all lineweights<br>.2 mm 4.0 ,<br>mm ↓ 1.125 amr, short<br>4.0 mm ↓ mm spacing.5 mm  |   |  |  |  |
| 7.20       | Inclined disjunctive, symmetric crenulation cleav-<br>age—Showing strike and dip  | 35<br>                 | HI-6 45%<br>1.0 mm ¥ 35<br>1.0 mm ↓ 1.125<br>mm ← mm   |   |  |  |  |
| 7.21       | Vertical or near-vertical disjunctive, symmetric cren-<br>ulation cleavage—Showing strike   | H-M-I                  | ⊢ <del>∧ +</del> 1.5 mm  |   |  |  |  |
| 7.22       | Inclined (dip direction to right) disjunctive, symmet-<br>ric crenulation cleavage, for multiple observations<br>at one locality—Showing strike and dip | <i>F</i> <sup>35</sup> | 5.5 mm <sup>∉</sup> 35 ← Hl-6<br>1.0 mm <sup>*</sup> ≮   |   |  |  |  |
| 7.23       | Inclined (dip direction to left) disjunctive, symmetric<br>crenulation cleavage, for multiple observations at<br>one locality—Showing strike and dip    | × <sup>35</sup>        | <i>7</i> <sup>35</sup>   |   |  |  |  |
| 7.24       | Vertical or near-vertical disjunctive, symmetric cren-<br>ulation cleavage, for multiple observations at one<br>locality—Showing strike                 | À                      | > 1.5 mm   |   |  |  |  |

\*For more information, see general guidelines on pages A-i to A-v.

| 7—CLEAVAGE (continued) |   |                  |   |  |  |  |
|------------------------|---|------------------|---|--|--|--|
| REF NO                 | DESCRIPTION   | SYMBOL           | CARTOGRAPHIC SPECIFICATIONS*  | NOTES ON USAGE*  |  |  |
| 7.25                   | Horizontal disjunctive, asymmetric (S-shaped,<br>counterclockwise sense of shear) crenulation<br>cleavage   | <del>(})</del>   | all lineweights<br>.2 mm<br>.2 mm | For symbols represent-<br>ing a single observation<br>at one locality, point of<br>observation is the mid-<br>point of the strike line.<br>For multiple observa-<br>tions at one locality, join<br>symbols at the "tail"<br>ends of the strike lines<br>(opposite the ornamen-<br>tation); the junction<br>point is at point of<br>observation. To obey the<br>right-hand rule, use the<br>"dip direction to right"<br>symbols (use "dip direc-<br>tion to left" symbols only<br>when necessary to pre-<br>vent overcrowding). |  |  |
| 7.26                   | Inclined disjunctive, asymmetric (S-shaped, coun-<br>terclockwise sense of shear) crenulation cleavage<br>—Showing strike and dip   | 40<br>لے         | HI-6 $40$ draft as shown<br>1.0 mm $40$ $50$ $k$  |  |  |  |
| 7.27                   | Vertical or near-vertical disjunctive, asymmetric<br>(S-shaped, counterclockwise sense of shear)<br>crenulation cleavage—Showing strike   | L <del>S I</del> | ⊢S⊣ <u>¥</u> 1.5 mm   |  |  |  |
| 7.28                   | Inclined (dip direction to right) disjunctive, asym-<br>metric (S-shaped, counterclockwise sense of<br>shear) crenulation cleavage, for multiple obser-<br>vations at one locality—Showing strike and dip | 10 ×80           | 5.5 mm $40 \le HI-6$<br>1.0 mm $\epsilon$ draft as shown  |  |  |  |
| 7.29                   | Inclined (dip direction to left) disjunctive, asym-<br>metric (S-shaped, counterclockwise sense of<br>shear) crenulation cleavage, for multiple obser-<br>vations at one locality—Showing strike and dip  | 10 ×80           | Josh 40   |  |  |  |
| 7.30                   | Vertical or near-vertical disjunctive, asymmetric<br>(S-shaped, counterclockwise sense of shear)<br>crenulation cleavage, for multiple observations<br>at one locality—Showing strike                     | 184              | ער 1.5 mm<br>אין אין אין אין אין אין אין אין אין אין  |  |  |  |
| 7.31                   | Horizontal disjunctive, asymmetric (Z-shaped, clockwise sense of shear) crenulation cleavage  |                  | all lineweights<br>.2 mm<br>.2 mm<br>.2 mm<br>.2 mm<br>.2 mm<br>.2 long dash length 1.0<br>mm<br>.4.0 mm<br>.1 mm; spacing .5 mm  |  |  |  |
| 7.32                   | Inclined disjunctive, asymmetric (Z-shaped, clock-<br>wise sense of shear) crenulation cleavage—<br>Showing strike and dip  | 45<br>LZ         | HI-6 $45$ draft as shown<br>1.0 mm $\frac{1}{50}$ $50$ $\approx$  |  |  |  |
| 7.33                   | Vertical or near-vertical disjunctive, asymmetric<br>(Z-shaped, clockwise sense of shear) crenulation<br>cleavage—Showing strike  | ⊢Z⊣              | $rac{1}{2}$ + $\frac{\sqrt{2}}{4}$ 1.5 mm   |  |  |  |
| 7.34                   | Inclined (dip direction to right) disjunctive, asym-<br>metric (Z-shaped, clockwise sense of shear)<br>crenulation cleavage, for multiple observations<br>at one locality—Showing strike and dip          | 45 A             | 5.5 mm ¥45 HI-6<br>1.0 mm K draft as shown  |  |  |  |
| 7.35                   | Inclined (dip direction to left) disjunctive, asym-<br>metric (Z-shaped, clockwise sense of shear)<br>crenulation cleavage, for multiple observations<br>at one locality—Showing strike and dip           | ×** 45           | 1 <sup>45</sup>   |  |  |  |
| 7.36                   | Vertical or near-vertical disjunctive, asymmetric<br>(Z-shaped, clockwise sense of shear) crenula-<br>tion cleavage, for multiple observations at one<br>locality—Showing strike                          | - pott           | ¥ 1.5 mm  |  |  |  |

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