## 21-NEOTECTONIC AND EARTHQUAKE-HAZARD FEATURES

|        |  | ANDEARINGUAR |   |   |
|--------|--|--------------|---|---|
| REF NO | DESCRIPTION  | SYMBOL       | CARTOGRAPHIC SPECIFICATIONS*  | NOTES ON USAGE*   |
| 21.1   | Earthquake epicenter, magnitude 7.5 or larger  |              | color 100% violet outer circle diameter 7.0 mm; inner circle diameter 4.5 mm outer circle diameter 5.75 mm; lineweight .25 mm | The type of scale used for measuring earth-<br>quakes should be not-<br>ed.                       |
| 21.2   | Earthquake epicenter, magnitude 7–7.49   |              | color 100% violet dot diameter 4.25 mm  | May also be shown in black or other colors.   |
| 21.3   | Earthquake epicenter, magnitude 6.5–6.99   |              | color 100% violet circle diameter 4.0 mm; lineweight .25 mm   |   |
| 21.4   | Earthquake epicenter, magnitude 6–6.49   | •            | color 100% violet  dot diameter 2.25 mm   |   |
| 21.5   | Earthquake epicenter, magnitude 5.5–5.99   | 0            | color 100% violet circle diameter 2.25 mm; lineweight .25 mm  |   |
| 21.6   | Earthquake epicenter, magnitude 4–5.49   | 0            | color 100% violet circle diameter 1.4<br>o mm; lineweight<br>.225 mm  |   |
| 21.7   | Earthquake epicenter, magnitude less than 4  | 0            | color 100% violet circle diameter .875<br>o mm; lineweight<br>.2 mm   |   |
| 21.8   | Fault-plane or focal-mechanism diagram for vertical, down-to-the-left offset along north-striking, vertical fault—Black quadrant indicates region of compression                               |              | size may vary   | Note that two types of fault motion and (or) two different fault-plane ori-                       |
| 21.9   | Fault-plane or focal-mechanism diagram for right-lateral<br>strike-slip offset along north-striking, vertical fault<br>—Black quadrants indicate regions of compression                        | •            | •   | entations could be rep-<br>resented by the same<br>focal-mechanism dia-<br>gram. For example, the |
| 21.10  | Fault-plane or focal-mechanism diagram for left-lateral strike-slip offset along north-striking, vertical fault —Black quadrants indicate regions of compression                               | •            | •   | focal-mechanism dia-<br>gram that shows right-<br>lateral strike-slip offset                      |
| 21.11  | Fault-plane or focal-mechanism diagram for normal, down-to-the-left offset along north-striking, west-dipping (at 45°) fault—Black quadrants indicate regions of compression                   | O            | O   | along a north-striking,<br>vertical fault (ref. no.<br>21.9) could also show                      |
| 21.12  | Fault-plane or focal-mechanism diagram for normal,<br>down-to-the-left offset along northwest-striking,<br>southwest-dipping (at 30°) fault—Black quadrants<br>indicate regions of compression | 0            | 0   | left-lateral strike-slip<br>offset along an east-<br>west-striking, vertical<br>fault.            |
| 21.13  | Fault-plane or focal-mechanism diagram for reverse, left-side-up offset along north-striking, west-dipping (at 45°) fault—Black quadrant indicates region of compression                       |              |   |   |
| 21.14  | Fault-plane or focal-mechanism diagram for reverse, left-side-up offset along northwest-striking, southwest-dipping (at 60°) fault—Black quadrant indicates region of compression              |              |   |   |
| 21.15  | Fault-plane or focal-mechanism diagram for oblique reverse, left-side-up offset along northwest-striking, southwest-dipping (at 60°) fault—Black quadrants indicate regions of compression     |              |   |   |
| 21.16  | Outer limit of subsidence caused by shock—<br>Identity and existence certain, location accurate.<br>Hachures point into subsided area  | <del></del>  | all lineweights H-8 .275 mm / 1.25  | May also be shown in purple or other colors.  |
| 21.17  | Outer limit of subsidence caused by shock—<br>Identity or existence questionable, location accu-<br>rate. Hachures point into subsided area  |              | → 12.0 mm  ←  |   |
| 21.18  | Outer limit of subsidence caused by shock—<br>Identity or existence certain, location approximate.<br>Hachures point into subsided area  |              | 3.5 mm<br>⇒  ←<br>  |   |
| 21.19  | Outer limit of subsidence caused by shock—<br>Identity or existence questionable, location ap-<br>proximate. Hachures point into subsided area   |              | → → ← → ← .75 mm  |   |
| 21.20  | Outer limit of subsidence caused by shock—<br>Identity or existence certain, location inferred. Ha-<br>chures point into subsided area   | тт           | 1.5 mm<br>→  ←  |   |
| 21.21  | Outer limit of subsidence caused by shock—<br>Identity or existence questionable, location infer-<br>red. Hachures point into subsided area  | т?т          | →   |   |
| 21.22  | Outer limit of subsidence caused by shock—<br>Identity and existence certain, location concealed.<br>Hachures point into subsided area   |              | .75 mm<br>≯k  |   |
| 21.23  | Outer limit of subsidence caused by shock—<br>Identity or existence questionable, location con-<br>cealed. Hachures point into subsided area   |              | → → → → → → → → → → → → → → → → → → →   |   |

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

## 21-NEOTECTONIC AND EARTHQUAKE-HAZARD FEATURES (continued)

| REF NO | DESCRIPTION   | SYMBOL       | CARTOGRAPHIC SPECIFICATIONS*              | NOTES ON USAGE*                              |
|--------|---|--------------|---|--|
| 21.24  | Rim crest or crater with rim, formed by shock or sand blowouts—Identity and existence certain, location accurate. Hachures point into crater              |              | all lineweights .2 mm                     | May also be shown in purple or other colors. |
| 21.25  | Rim crest or crater with rim, formed by shock or sand blowouts—Identity or existence questionable, location accurate. Hachures point into crater          |              | → 12.0 mm × 2.0 mm                        |  |
| 21.26  | Rim crest or crater with rim, formed by shock or sand blowouts—Identity or existence certain, location approximate. Hachures point into crater            |              | 3.5 mm<br>⇒   k-                          |  |
| 21.27  | Rim crest or crater with rim, formed by shock or sand blowouts—Identity or existence questionable, location approximate. Hachures point into crater       | ?            | ≯k ≯k<br>.75 mm                           |  |
| 21.28  | Rim crest or crater with rim, formed by shock or<br>sand blowouts—Identity and existence certain, lo-<br>cation concealed. Hachures point into crater     | TTTTTTTTTT   | 1.25 mm<br>→  <-                          |  |
| 21.29  | Rim crest or crater with rim, formed by shock or<br>sand blowouts—Identity or existence questiona-<br>ble, location concealed. Hachures point into crater | <del>.</del> | ⊤тттт?ттттт<br>≯ ← ≯ ←<br>.75 mm          |  |
| 21.30  | Sinkhole or crater without rim, formed by shock—<br>Identity and existence certain, location accurate.<br>Hachures point into sinkhole                    | <del></del>  | all lineweights .2 mm  H-8                |  |
| 21.31  | Sinkhole or crater without rim, formed by shock—<br>Identity or existence questionable, location accu-<br>rate. Hachures point into sinkhole              | ?            | → 12.0 mm ← mm → 4.0 mm                   |  |
| 21.32  | Sinkhole or crater without rim, formed by shock—<br>Identity or existence certain, location approximate.<br>Hachures point into sinkhole                  |              | 3.5 mm<br>→   ←                           |  |
| 21.33  | Sinkhole or crater without rim, formed by shock—<br>Identity or existence questionable, location ap-<br>proximate. Hachures point into sinkhole           | <del></del>  | → → → ← → → → →  <br>→   ← →   ←   .75 mm |  |
| 21.34  | Sinkhole or crater without rim, formed by shock—<br>Identity or existence certain, location concealed.<br>Hachures point into sinkhole                    | -11111-      | .5 mm<br>≯l←                              |  |
| 21.35  | Sinkhole or crater without rim, formed by shock—<br>Identity or existence questionable, location con-<br>cealed. Hachures point into sinkhole             |              | -111-?-11<br>≯ ← ≯ ←<br>.75 mm            |  |
| 21.36  | Fissures or cracks, formed in ground by earthquake  |              | lineweights lengths and spacing may vary  |  |
| 21.37  | Fissures and sand and (or) other material ejected during earthquake   |              | lineweights lengths and spacing may vary  |  |

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