

31 — MISCELLANEOUS MAP ELEMENTS

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
31.1	Township and range line—Definite		<i>line and text color 100% red</i>	<p>On larger scale maps (for example, 1:24,000 scale), usually every section (nos. 1–36) is numbered.</p> <p>On smaller scale maps (for example, 1:100,000 scale), usually only corner sections (nos. 1, 6, 31, 36) are numbered (type size may be decreased if necessary).</p> <p>Every township and range, regardless of scale, should be numbered.</p> <p>May also be shown in 50% black, especially if contours or other base-map information is shown in 50% black (see Section 30.1).</p>
31.2	Township and range line—Location approximate		<i>lineweight .275 mm</i>	
31.3	Township label	T 32 N	<i>lineweight .15 mm</i>	
31.4	Range label	R 44 E	<i>lineweight .15 mm; dash length 2.5 mm; space .5 mm</i>	
31.5	Section line—Definite		<i>lineweight .275 mm; dash length 2.5 mm; space .5 mm</i>	
31.6	Section line—Location approximate		<i>lineweight .15 mm; dash length 2.5 mm; space .5 mm</i>	
31.7	Section number	5		
31.8	Map neatline		<i>lineweight .25 mm</i>	
31.9	Map neatline—Showing latitude or longitude tick and value		<i>lineweight .25 mm</i>	
31.10	Cross section line and label		<i>lineweight .2 mm</i>	
31.11	Leader		<i>lineweight .175 mm</i>	
31.12	Map-unit label (add leader where necessary)		<i>contact [lineweight .15 mm]</i> <i>leader [lineweight .175 mm]</i>	
31.13	Map-unit label containing geologic age character (add leader where necessary)		<i>FG-8</i> <i>H-8</i> <i>Mzv</i> <i>H-8</i> <i>FG-8</i>	<p>Patterns should overprint other map units. Do not outline with contact (use scratch boundary instead). May be shown in other colors.</p>
31.14	Area of outcrop (1st option)		<i>100% black</i>	
31.15	Area of outcrop (2nd option)		<i>scratch boundary [lineweight 0.0 mm]</i> <i>50% black</i>	
31.16	Area of outcrop (3rd option)		<i>100% red</i>	
31.17	Area of outcrop (4th option)		<i>50% red</i>	
31.18	Area of outcrop in surficial deposits (1st option)		<i>pattern 134-K</i>	
31.19	Area of outcrop in surficial deposits (2nd option)		<i>pattern 134-K in 50% black</i>	
31.20	Area of outcrop in surficial deposits (3rd option)		<i>pattern 134-R</i>	<p>May be shown in red or other colors.</p>
31.21	Sample locality—Showing sample number		<i>dot diameter 1.25 mm</i> <i>H-7</i>	
31.22	Field station locality, as shown on small-scale maps or on page-size illustrations		<i>dot diameter .5 mm</i>	
31.23	Chronostratigraphic zone, chronozone, or stage boundary		<i>dot diameter .5 mm; spacing .5 mm</i> <i>color 100% red</i>	
31.24	Chronostratigraphic-zone, chronozone, or stage boundary—Showing names of stratigraphic ages		<i>H-8</i> <i>color 100% red</i>	<p>May be shown in black or other colors.</p> <p>Names may either be placed along zone boundary or within zones.</p>

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