11—GEOPHYSICAL AND STRUCTURE CONTOURS

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
11.1	Geophysical contour (index)—Accurately located	—— 200 ——	lineweight .325 mm HI-8 / —— 200 —— / line and text color 100% red	On most maps, every fourth or fifth contour should be an index contour. Only index contours are labeled. Negative values must be preceded by a minus (–) sign. Add hachures to indicate closed areas of low values or if it is unclear that contour values are decreasing (hachures point into areas of low value). May be shown in black or other colors.
11.2	Geophysical contour (index)—Showing datum (in parentheses): SL, sea level	—— 200(SL) ——	—— 200(SL) ——	
11.3	Geophysical contour (index)—Accurately located. Hachures point into closed areas of lower values		hachure lineweight .2 mm → 5.0 mm ↓↑ 1.0 mm	
11.4	Geophysical contour (index)—Approximately located where data are incomplete	—— —— —— ——	.5 mm →∣← 4.5 mm	
11.5	Geophysical contour (index)—Approximately located where data are incomplete. Hachures point into closed areas of lower values		hachure lineweight .2 mm → 5.0 mm ↓↑ 1.0 mm	
11.6	Geophysical contour (intermediate)—Accurately located		lineweight .2 mm line color 100% red	
11.7	Geophysical contour (intermediate)—Accurately located. Hachures point into closed areas of lower values		all lineweights .2 mm 5.0 mm ↓↑ 1.0 mm	
11.8	Geophysical contour (intermediate)—Approximately located where data are incomplete	—— —— —— ——	.5 mm →∣← 4.5 mm	
11.9	Geophysical contour (intermediate)—Approximately located where data are incomplete. Hachures point into closed areas of lower values		5.0 mm ↓↑ 1.0 mm	
11.10	Geophysical data collection locality	×	2.0 mm 2.0 mm × / line color 100% red 90° lineweight .25 mm	May be shown in black or other colors.
11.11	Geophysical data collection locality—Showing value where known	752 ×	752 ✓ HI-7 × / line and text color 100% red	
11.12	Maximum or minimum intensity value within closed high or closed low	×2864	lineweights .15 mm 30° / HI-7 line and text color 100% red / ×2864 / 2.0 mm → ←2.0 mm	
11.13	Structure contour, 1st surface (index)—Accurately located	—— 600 ——	lineweight .4 mm HI-9 / —— 600 —— / line and text color 100% red	On most maps, every fourth or fifth contour should be an index contour. Only index contours are labeled. Negative values must be preceded by a minus (–) sign. Add hachures to indicate closed areas of low values or if it is unclear that contour values are decreasing (hachures point into areas of low value). May be shown in black or other colors.
11.14	Structure contour, 1st surface (index)—Showing datum (in parentheses): SL, sea level	—— 600(SL) ——	—— 600(SL) ——	
11.15	Structure contour, 1st surface (index)—Accurately located. Hachures point into closed areas of lower values		hachure lineweight .2 mm → 5.5 mm ↓↑ 1.0 mm	
11.16	Structure contour, 1st surface (index)—Approximately located where control is poor	—— —— —— ——	.5 mm →∣← 5.0 mm	
11.17	Structure contour, 1st surface (index)—Approximately located where control is poor. Hachures point into closed areas of lower values		5.5 mm ↓↑ 1.0 mm	
11.18	Structure contour, 1st surface (intermediate)—Accurately located		lineweight .275 mm	
11.19	Structure contour, 1st surface (intermediate)—Accurately located. Hachures point into closed areas of lower values		hachure lineweight .2 mm → 5.5 mm ↓↑ 1.0 mm	
11.20	Structure contour, 1st surface (intermediate)—Approximately located where control is poor	—— —— —— ——	.5 mm →∣← 5.0 mm	
11.21	Structure contour, 1st surface (intermediate)—Approximately located where control is poor. Hachures point into closed areas of lower values		5.5 mm ↓↑ 1.0 mm	
11.22	Outcrop point as structural control point (1st surface)	×1520	90° HI-7 / line and text color 100% red ×1520 / lineweight .275 mm / 2.0 mm 2.0 mm	May be shown in black or other colors.

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

11—GEOPHYSICAL AND STRUCTURE CONTOURS (continued)

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
11.23	Structure contour, 2nd surface (index)—Accurately located	——600——	*lineweight .4 mm* HI-9 ——600—— *line and text color 100% violet*	On most maps, every fourth or fifth contour should be an index contour.
11.24	Structure contour, 2nd surface (index)—Showing datum (in parentheses): SL, sea level	——600(SL)——	——600(SL)——	Only index contours are labeled. Negative values must be preceded by a minus (–) sign.
11.25	Structure contour, 2nd surface (index)—Accurately located. Hachures point into closed areas of lower values		*hachure lineweight .2 mm* 5.5 mm 1.0 mm	Add hachures to indicate closed areas of low values or if it is unclear that contour values are decreasing (hachures point into areas of low value).
11.26	Structure contour, 2nd surface (index)— Approximately located where control is poor		.5 mm 5.0 mm	
11.27	Structure contour, 2nd surface (index)— Approximately located where control is poor. Hachures point into closed areas of lower values		5.5 mm 1.0 mm	May be shown in black or other colors.
11.28	Structure contour, 2nd surface (intermediate)— Accurately located		*lineweight .275 mm*	
11.29	Structure contour, 2nd surface (intermediate)— Accurately located. Hachures point into closed areas of lower values		*hachure lineweight .2 mm* 5.5 mm 1.0 mm	
11.30	Structure contour, 2nd surface (intermediate)— Approximately located where control is poor		.5 mm 5.0 mm	
11.31	Structure contour, 2nd surface (intermediate)— Approximately located where control is poor. Hachures point into closed areas of lower values		5.5 mm 1.0 mm	
11.32	Outcrop point as structural control point (2nd surface)	×1520	*line and text color 100% violet* 90° HI-7 ×1520 *lineweight .275 mm* 2.0 mm 2.0 mm	May be shown in black or other colors.
11.33	Structure contour, 3rd surface (index)—Accurately located	——600——	*lineweight .4 mm* HI-9 ——600—— *line and text color 100% green*	On most maps, every fourth or fifth contour should be an index contour.
11.34	Structure contour, 3rd surface (index)—Showing datum (in parentheses): SL, sea level	——600(SL)——	——600(SL)——	Only index contours are labeled. Negative values must be preceded by a minus (–) sign.
11.35	Structure contour, 3rd surface (index)—Accurately located. Hachures point into closed areas of lower values		*hachure lineweight .2 mm* 5.5 mm 1.0 mm	Add hachures to indicate closed areas of low values or if it is unclear that contour values are decreasing (hachures point into areas of low value).
11.36	Structure contour, 3rd surface (index)— Approximately located where control is poor		.5 mm 5.0 mm	
11.37	Structure contour, 3rd surface (index)— Approximately located where control is poor. Hachures point into closed areas of lower values		5.5 mm 1.0 mm	
11.38	Structure contour, 3rd surface (intermediate)— Accurately located		*lineweight .275 mm*	
11.39	Structure contour, 3rd surface (intermediate)— Accurately located. Hachures point into closed areas of lower values		*hachure lineweight .2 mm* 5.5 mm 1.0 mm	May be shown in black or other colors.
11.40	Structure contour, 3rd surface (intermediate)— Approximately located where control is poor		.5 mm 5.0 mm	
11.41	Structure contour, 3rd surface (intermediate)— Approximately located where control is poor. Hachures point into closed areas of lower values		5.5 mm 1.0 mm	
11.42	Outcrop point as structural control point (3rd surface)	×1520	*line and text color 100% green* 90° HI-7 ×1520 *lineweight .275 mm* 2.0 mm 2.0 mm	May be shown in black or other colors.

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