

## 11—GEOPHYSICAL AND STRUCTURE CONTOURS

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS*	NOTES ON USAGE*
11.1	Geophysical contour (index)—Accurately located		lineweight .325 mm HI-8 line and text color 100% red	On most maps, every fourth or fifth contour should be an index contour.
11.2	Geophysical contour (index)—Showing datum (in parentheses): SL, sea level			Only index contours are labeled. Negative values must be preceded by a minus (–) sign.
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	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).
11.4	Geophysical contour (index)—Approximately located where data are incomplete		.5 mm 4.5 mm	May be shown in black or other colors.
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 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		line and text color 100% red HI-7	
11.12	Maximum or minimum intensity value within closed high or closed low		lineweights .15 mm 30° 2.0 mm HI-7 line and text color 100% red	
11.13	Structure contour, 1st surface (index)—Accurately located		lineweight .4 mm HI-9 line and text color 100% red	On most maps, every fourth or fifth contour should be an index contour.
11.14	Structure contour, 1st surface (index)—Showing datum (in parentheses): SL, sea level			Only index contours are labeled. Negative values must be preceded by a minus (–) sign.
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	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).
11.16	Structure contour, 1st surface (index)—Approximately located where control is poor		.5 mm 5.0 mm	May be shown in black or other colors.
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)		line and text color 100% red 90° 2.0 mm HI-7 lineweight .275 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		lineweight .4 mm HI-9 line and text color 100% violet	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.
11.24	Structure contour, 2nd surface (index)—Showing datum (in parentheses): SL, sea level			
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 5.0 mm	
11.26	Structure contour, 2nd surface (index)—Approximately located where control is poor		5.5 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	
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 5.0 mm	
11.30	Structure contour, 2nd surface (intermediate)—Approximately located where control is poor		5.5 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)		line and text color 100% violet 90° HI-7 lineweight .275 mm 2.0 mm	May be shown in black or other colors.
11.33	Structure contour, 3rd surface (index)—Accurately located		lineweight .4 mm HI-9 line and text color 100% green	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.
11.34	Structure contour, 3rd surface (index)—Showing datum (in parentheses): SL, sea level			
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 5.0 mm	
11.36	Structure contour, 3rd surface (index)—Approximately located where control is poor		5.5 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 5.0 mm	
11.40	Structure contour, 3rd surface (intermediate)—Approximately located where control is poor		5.5 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)		line and text color 100% green 90° HI-7 lineweight .275 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.