# Annotations (margins and guides)

map layout (artboard) area

printer's image area (includes reg marks)

trim size (trim at reg marks)

center of map layout (artboard) area

1.0" space between reg marks (trim size) and layout (artboard) area

reg marks

guides

if cooperators' logos are not added, colors other than light gray may be used for banner, but color of VIS-ID logo must be kept white (as shown here); rest of banner (to right of VIS-ID logo) must be left clear of any artwork or type

if cooperator's logo is added, place it 1.0" to right of VIS-ID logo and, if necessary, scale it to fit (must be no taller than VIS-ID logo); maintain light-gray color for banner (as shown here), but change color of VIS-ID logo from white to black; rest of banner (to right of cooperator's logo) must be left clear of any artwork or type

edges of banner extend 0.1" beyond top, left, and bottom sides of VIS-ID logo

minimum height of VIS-ID logo 0.75"

minimum space below VIS-ID logo 0.1875" (space below logo must be at least 25% of logo height)

edge of banner extends 0.1" beyond right side of map series headnote

1.0" space between image area and reg marks (trim size)

## USGS — science for a changing world

**U.S. Department of the Interior** DBID
**U.S. Geological Survey** DBID

Prepared in cooperation with the  Prepared In Cooperation Note
National Park Service and Bureau of Land Management  Cooperator Note

Map Series Headnote
**Scientific Investigations Map 2900** CMU Heading 1 (CMU Title)
**Sheet 1 of 2** Sheet X of Y Headnote

Pamphlet Accompanies Headnote
*Pamphlet accompanies map*

minimum space 0.275" between highest part of neatline and baseline of "Pamphlet Accompanies Map" headnote (in upper right corner)

center of map area

align top of CMU title with highest part of neatline

minimum 0.50" space

center of CMU  center CMU over LMU column (or columns)

top of map series headnote (here in upper right corner) aligns with top of dept./bureau ID headnote ("DBID" in upper left corner)

Lat/Long Value Along Left & Bottom

## CORRELATION OF MAP UNITS  CMU Heading 1 (CMU Title)

[See Description of Map Units (in pamphlet) for precise unit ages]  CMU Bracketed Headnote

0.20" space

**UNCONSOLIDATED DEPOSITS**  CMU Heading 2

center CMU title and headnote over entire CMU

align brackets with boxes both horizontally and vertically

Qu  CMU Unit Label

Holocene and Pleistocene  CMU Epoch (Geologic Time)
QUATERNARY  CMU Period (Geologic Time)

**BEDROCK**  CMU Heading 2

NORTH SLOPE SUBTERRANE  CMU Heading 3

KLIPPEN OF ENDICOTT MOUNTAINS AND DE LONG MOUNTAINS SUBTERRANES AND TOZITNA TERRANE NEAR MOUNT ANNETTE  CMU Heading 3

Ki  Kksc

Volcanic Rocks  CMU Heading 4

Kv
Kp
Kpt
Kpft
Kpwt
Kplt

Endicott Mountains Subterrane  CMU Heading 4

Kk  Ko  Ke

Unconformity  CMU Unconformity Notation

KPs
TₑPss  Tₑss

Volcanic Rocks  CMU Heading 5

Tₑv
Tₑp  Tₑpt
Tₑpft  Tₑpwt
Tₑplt

Lower Cretaceous  CRETACEOUS

TRIASSIC  PERMIAN

TRIASSIC

headings in CMU should match those in LMU

minimum CMU box size = 0.45" x 0.25" (height or width may be increased if necessary)

center unit label horizontally and vertically in box

0.10" space
0.20" space
0.05" space (*)

(*) boxes may or may not touch, depending on stratigraphic relations

0.50" space to top of LMU type

align top(s) of LMU box(es) and (or) type in other column(s) with top of LMU title

## LIST OF MAP UNITS  LMU Heading 1 (LMU Title)

[See Description of Map Units (in pamphlet) for complete unit descriptions. Unit ages from Brabb and others (2000)]  LMU Bracketed Headnote - More than 1 Line

**UNCONSOLIDATED DEPOSITS**  LMU Heading 2

Qu  LMU Unit Label

**Surficial deposits, undivided (Holocene and Pleistocene)**  LMU Unit 1 (first after heading)

**BEDROCK**  LMU Heading 2

[Modified from Brabb and others (2000)]  LMU Bracketed Headnote - 1 Line

NORTH SLOPE SUBTERRANE  LMU Heading 3

Ki  **Ipewik unit (Lower Cretaceous)**  LMU Unit 1 (first after heading)

**Pahrump Group (Lower Cretaceous)**  LMU Unit 1 w/out box (after 1-line desc w/box)

**Kingston Peak Formation**  LMU Unit 2 (after 1-line desc w/out box)

**Surprise Member**  LMU Unit 3 (after 1-line desc w/out box)

**Siltstone**  LMU Unit 4 (after 1-line desc w/out box)

Kksc  **Coarse-grained subunit**  LMU Unit 5 (after 1-line desc w/out box)

Volcanic Rocks  LMU Heading 4

Kv  **Volcanic rocks, undivided (Lower Cretaceous)**  LMU Unit 1 (first after heading)

Kp  **Pyroclastic deposits and rocks (Lower Cretaceous)**  LMU Unit 1 w/box (no space between box above)

Kpt  **Coarse-grained ash-flow tuff**  LMU Unit 2 w/box (no space between box above)

Kpft  **Fine-grained to massive ash-flow tuff**  LMU Unit 3 w/box (no space between box above)

Kpwt  **Welded silicic tuff unit**  LMU Unit 4 w/box (no space between box above)

Kplt  **Lithic-rich tuff layer**  LMU Unit 5 (no space between box above)

**KLIPPEN OF ENDICOTT MOUNTAINS AND DE LONG MOUNTAINS SUBTERRANES AND TOZITNA TERRANE NEAR MOUNT ANNETTE**  LMU Heading 3

Endicott Mountains Subterrane  LMU Heading 4

Kk  **Kongakut Formation of the This, That, and the Other Group (Lower Cretaceous)**  LMU Unit 1 (first after heading)

Ko  **Otuk Formation of the This, That, and the Other Group (Lower Cretaceous)**  LMU Unit 1 (after desc of 2 or more lines)

Ke  **Etivluk Formation of the This, That, and the Other Group, undivided (Lower Cretaceous)**  LMU Unit 2 (after desc of 2 or more lines)

KPs  **Sedimentary rocks, undivided (Lower Cretaceous to Permian)**  LMU Unit 3 (after desc of 2 or more lines)

LMU box size = 0.55" x 0.25"

TₑPss  **Arenaceous sandstone, siltstone, and shale (Triassic to Permian)**  LMU Unit 4 (after desc of 2 or more lines)

Tₑss  **Undulating ribbon beds of fossiliferous siltstone and shale (Triassic)**  LMU Unit 5 (after desc of 2 or more lines)

Volcanic Rocks  LMU Heading 5

Tₑv  **Volcanic rocks, undivided (Triassic)**  LMU Unit 1 (first after heading)

Tₑp  **Pyroclastic deposits and rocks (Triassic)**  LMU Unit 1 w/box (after 1-line desc w/box, w/space between boxes)

Tₑpt  **Coarse-grained ash-flow tuff**  LMU Unit 2 w/box (after 1-line desc w/box, w/space between boxes)

Tₑpft  **Fine-grained to massive ash-flow tuff**  LMU Unit 3 w/box (after 1-line desc w/box, w/space between boxes)

Tₑpwt  **Welded silicic tuff unit**  LMU Unit 4 w/box (after 1-line desc w/box, w/space between boxes)

Tₑplt  **Lithic-rich tuff layer**  LMU Unit 5 (after 1-line desc w/box, w/space between boxes)

## EXPLANATION OF MAP SYMBOLS  Symbol Heading 1 (Symbol Explanation Title)

Contact—Solid where location is accurate; dashed where location is approximate; dotted where location is concealed  Symbol 1 (first after heading)

Gradational contact  Symbol 1 (after desc of 2 or more lines)

Faults—Solid where location is accurate; dashed where location is approximate; dotted where location is concealed  Symbol 1 (after 1-line desc w/symbol)

Thrust fault—Sawteeth on upper plate  Symbol 2 (after desc of 2 or more lines)

Detachment faults  Symbol 2 (after 1-line desc w/symbol)

Detachment fault within metamorphic core complex block—Hachures on upper plate. Forms boundary beneath unit Tₑss  Symbol 3 (after 1-line desc w/out symbol)

Listric fault at head of detachment—Ticks on upper plate  Symbol 2 (after desc of 2 or more lines)

Master detachment fault—Hachures on upper plate  Symbol 3 (after 1-line desc w/symbol)

**PLANAR POINT FEATURES**  Symbol Heading 2

[May be combined with other point features at point of observation]  Symbol Explanation Bracketed Headnote

Strike and dip of bedding  Symbol 1 (first after heading)

40  Inclined  Symbol 2 (after 1-line desc w/out symbol)

Vertical  Symbol 2 (after 1-line desc w/symbol)

recommended column width 4.5"– 5.5" (27–33 picas); minimum 4" (24 picas), maximum 6" (36 picas); use same column width for all columns of LMU, symbol explanation, and text

## Style Guide text block

**Style Guide name:** *MapStyleGuide_LMU_printFLAT_morethan1sht_v1-1_01-15.pdf*
Note that this PDF file is an informational Style Guide only and does not contain any Paragraph or Character styles – to apply actual styles to a layout, please use the accompanying Illustrator Map Template file called *MapTemplate_LMU_printFLAT_morethan1sht_v1-1_01-15.ai*

**In the accompanying Map Template file,** type specifications for each text element have been built as Paragraph Styles (for example, Map Series Headnote is specified as Univers 67 Bold Condensed, 14 pt, 17 pt leading). In addition, a few special type formats have been built as Character Styles (for example, map-unit names and ages in the LMU are specified as Times New Roman Bold, 10 pt, 12 pt leading). The styles are accessible from the Paragraph Styles and Character Styles palette windows.

Note that the template contains examples of only the most basic, fundamental elements that will appear on a typical map layout. Also, the small size of the map layout and of the map itself is for example purposes only – it is not intended to restrict the actual size of a map or map layout. In reality, many factors (for example, the size of the map, the number of map units and symbols, and the presence of cross sections, tables, or figures) will affect the actual size of a map layout and the final positioning of map elements.

Before finalizing layout, delete any style names, notes, arrows, or guides, as well as any outlines of text boxes, image area, and map layout (artboard) area.

**Important note about applying type styles in the accompanying Map Template file to a layout:** Sometimes type that has been formatted using styles will either change to Myriad font or revert back to its "pre-Style" formatting after certain functions such as copying and pasting are performed. If a "+" appears after the style name in the Paragraph Styles palette when type in a text element is selected, then one of three things has likely happened: the style has not been fully applied to that type; the font has changed to Myriad; or the type has reverted to its "pre-Style" formatting. Clicking once more on the style name in the palette will apply the style completely and cause the "+" after the style name to disappear.

**Please be advised that the contents of this Style Guide and the accompanying Map Template are for example purposes only and should not be used as guidelines for the representation of actual stratigraphic relations or other geologic situations.**

## Paragraph Styles built into the accompanying Map Template file:

DBID  [Univers 67 Bold Condensed, 14 pt, 17 pt leading, left justified]
Map Series Headnote  [Univers 67 Bold Condensed, 14 pt, 17 pt leading, right justified]
Sheet X of Y Headnote  [Univers 67 Bold Condensed, 13 pt, 15 pt leading, right justified]
Pamphlet Accompanies Headnote  [Univers 57 Condensed Oblique, 11 pt, 13 pt leading, right justified]
Prepared In Cooperation Note  [Univers 57 Condensed, 11 pt, 15 pt leading, centered]
Cooperator Note  [Univers 57 Condensed, 14 pt, 17 pt leading, centered]
Map Title  [Univers 67 Bold Condensed, 30 pt, 30 pt leading, centered]
By  [Univers 67 Bold Condensed, 18 pt, 31 pt leading, centered]
Map Author(s)  [Univers 67 Bold Condensed, 18 pt, 24 pt leading, centered]
Map Publication Date  [Univers 67 Bold Condensed, 16 pt, 22 pt leading, centered]
Author Affiliation Footnote  [Univers 57 Condensed, 8 pt, 11 pt leading, left justified]
Base Credit Note  [Univers 57 Condensed, 8 pt, 9 pt leading, left justified, 3 pt space after]
Vertical Datum Note  [Arial, 7 pt, 8 pt leading, all caps, centered]
Geology/DB/Carto/Edit/Approval Note  [Univers 57 Condensed, 8 pt, 9 pt leading, left justified, 3 pt space after]
Recycled Paper Note  [Univers 57 Condensed, 6 pt, 7 pt leading, left justified, +30 tracking]
Print TradeName/ForSale/URL/Citation Note  [Univers 57 Condensed, 7 pt, 8 pt leading, left justified, 3 pt space after]
Lat/Long Value Along Right Side  [Univers 57 Condensed, 8 pt, 9 pt leading, left justified]
Lat/Long Value Along Left Side  [Univers 57 Condensed, 8 pt, 9 pt leading, right justified]
Lat/Long Value Along Top & Bottom  [Univers 57 Condensed, 8 pt, 9 pt leading, centered]
CMU Unit Label  [FGDCGeoAge, Regular, 8 pt, 10 pt leading, centered]
CMU Heading 1 (CMU Title)  [Times New Roman, Bold, 12 pt, 12 pt leading, all caps, centered]
CMU Heading 2  [Times New Roman, Bold, 10 pt, 12 pt leading, all caps, centered]
CMU Heading 3  [Times New Roman, Regular, 10 pt, 12 pt leading, all caps, centered]
CMU Heading 4  [Times New Roman, Regular, 10 pt, 12 pt leading, centered]
CMU Heading 5  [Times New Roman, Italic, 10 pt, 12 pt leading, centered, 8 pt space before]
CMU Bracketed Headnote  [Times New Roman, Regular, 10 pt, 12 pt leading, centered]
CMU Unconformity Notation  [Times New Roman, Regular, 9 pt, 11 pt leading, centered]
CMU Period (Geologic Time)  [Times New Roman, Regular, 10 pt, 11 pt leading, all caps, left justified]
CMU Epoch (Geologic Time)  [Times New Roman, Regular, 10 pt, 11 pt leading, left justified]
LMU Unit Label  [FGDCGeoAge, Regular, 8 pt, 10 pt leading, centered]
LMU Heading 1 (LMU Title)  [Times New Roman, Bold, 12 pt, 12 pt leading, all caps, centered]
LMU Heading 2  [Times New Roman, Bold, 10 pt, 12 pt leading, all caps, centered, 12 pt space before]
LMU Heading 3  [Times New Roman, Regular, 10 pt, 12 pt leading, all caps, centered, 10 pt space before]
LMU Heading 4  [Times New Roman, Regular, 10 pt, 12 pt leading, centered, 8 pt space before]
LMU Heading 5  [Times New Roman, Italic, 10 pt, 12 pt leading, centered, 6 pt space before]
LMU Bracketed Headnote - 1 Line  [Times New Roman, Regular, 10 pt, 12 pt leading, centered, 8 pt space before]
LMU Bracketed Headnote - More than 1 Line  [Times New Roman, Regular, 10 pt, 12 pt leading, centered, 8 pt space before]
LMU Unit 1 (first after heading)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent, 4 pt space before]
LMU Unit 1 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent]
LMU Unit 2 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent]
LMU Unit 3 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent]
LMU Unit 4 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 10 pt 1st line indent]
LMU Unit 5 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 20 pt 1st line indent]
LMU Unit 1 w/out box (after 1-line desc w/box)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent, 7 pt space before]
LMU Unit 1 w/box (after 1-line desc w/box, w/space between boxes)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent]
LMU Unit 2 (after 1-line desc w/box, w/space between boxes)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent, 9 pt space before]
LMU Unit 3 w/box (after 1-line desc w/box, w/space between boxes)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent, 9 pt space before]
LMU Unit 4 w/box (after 1-line desc w/box, w/space between boxes)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 10 pt 1st line indent, 9 pt space before]
LMU Unit 5 (after 1-line desc w/box, w/space between boxes)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 20 pt 1st line indent, 9 pt space before]
LMU Unit 2 (after 1-line desc w/out box)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent, 4 pt space before]
LMU Unit 3 (after 1-line desc w/out box)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent, 4 pt space before]
LMU Unit 4 (after 1-line desc w/out box)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 10 pt1st line indent, 4 pt space before]
LMU Unit 5 (after 1-line desc w/out box)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 20 pt 1st line indent, 4 pt space before]
LMU Unit 1 w/box (no space between box above)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent, 6 pt space before]
LMU Unit 2 w/box (no space between box above)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent, 6 pt space before]
LMU Unit 3 w/box (no space between box above)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent, 6 pt space before]
LMU Unit 4 w/box (no space between box above)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 10 pt 1st line indent, 6 pt space before]
LMU Unit 5 (no space between box above)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 20 pt 1st line indent, 6 pt space before]
Symbol Heading 1 (Symbol Explanation Title)  [Times New Roman, Bold, 12 pt, 12 pt leading, all caps, centered, 24 pt space before]
Symbol Heading 2  [Times New Roman, Bold, 10 pt, 12 pt leading, all caps, centered, 6 pt space before]
Symbol Explanation Bracketed Headnote  [Times New Roman, Regular, 10 pt, 12 pt leading, all caps, centered, 2 pt space before]
Symbol 1 (first after heading)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent, 4 pt space before]
Symbol 1 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent, 4 pt space before]
Symbol 2 (after desc of 2 or more lines)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent, 4 pt space before]
Symbol 1 (after 1-line desc w/symbol)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −20 pt 1st line indent, 9 pt space before]
Symbol 2 (after 1-line desc w/symbol)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent, 4 pt space before]
Symbol 3 (after 1-line desc w/symbol)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent, 4 pt space before]
Symbol 2 (after 1-line desc w/out symbol)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, −10 pt 1st line indent, 4 pt space before]
Symbol 3 (after 1-line desc w/out symbol)  [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent, 4 pt space before]

## Character Styles built into the accompanying Map Template file:

LMU Unit Name/Age  [Times New Roman, Bold, 10 pt, 12 pt leading]
LMU/Text Unit Label  [FGDCGeoAge, Regular, 9 pt, 12 pt leading]
Symbol Name  [Times New Roman, Bold, 10 pt, 12 pt leading]
Footnote # in Author List  [Univers 67 Bold Condensed, 12 pt, baseline shift +5 pt]
Footnote # in Author Affiliation Footnote  [Univers 57 Condensed, 6 pt, baseline shift +4 pt]
ISSN # Note  [Univers 57 Condensed, 6 pt, 7 pt leading]
URL in Doi URL Note  [Univers 57 Condensed, 6 pt, 7 pt leading]
URL in Suggested Citation/URL Credit Note  [Univers 57 Condensed, 7 pt, 8 pt leading]

## Fonts used in the accompanying Map Template file:

Univers 47 Condensed Light
Univers 47 Condensed Light Oblique
Univers 57 Condensed
Univers 57 Condensed Oblique
Univers 67 Condensed Bold
Univers 67 Condensed Bold Oblique
Times New Roman
Times New Roman Bold
Times New Roman Oblique
FGDCGeoAge
Arial [*in mean declination arrow, scale, and state location map*]
Arial Italic [*dip values*]

## Lower map area

Base from U.S. Geological Survey, Palo Alto, 1997
Universal Transverse Mercator projection  Base Credit Note

SCALE 1:24 000

1    1/2    0                                  1 MILE
1000  0  1000 2000 3000 4000 5000 6000 7000 FEET
1     .5    0                                  1 KILOMETER

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929  Vertical Datum Note

APPROXIMATE MEAN DECLINATION, 2015

CALIF.  MAP LOCATION

Geology mapped by E.H. Pampeyan, E.E. Brabb, and G.J. Saucedo, 1980–1986; minor revisions, 1991–1992. Potassium-argon geochronology by L.B.G. Pickthorn from samples collected July 1985
GIS database and digital cartography by Karen L. Wheeler
Edited by Dan L. Zigler; digital cartographic production by Kathryn Nimz
Manuscript approved for publication May 27, 2014  Geology/DB/Carto/Edit/Approval Note

EPS graphics of mean declination arrows, bar scales, and state location maps should be downloaded from *http://pubs.usgs.gov/tm/2006/11A02/* [note that the downloaded graphics may contain the Helvetica font; if desired, Arial font may be substituted for Helvetica]

scale is centered beneath map

## Title block

# Geologic Map of the Palo Alto 7.5' Quadrangle, California  Map Title

### By  By

### Earl H. Pampeyan,[1] Earl E. Brabb,[1] and George J. Saucedo[2]  Map Author(s)

### 2015  Map Publication Date

[1]U.S. Geological Survey; [2]California Geological Survey  Author Affiliation Footnote

Printed on recycled paper  Recycled Paper Note

**Print TradeName/ForSale/URL/Citation Note**
Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government
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Digital files available at http://dx.doi.org/10.3133/sim2900 or http://pubs.usgs.gov/sim/2900/
Suggested citation: Pampeyan, E.H., Brabb, E.E., and Saucedo, G.J., 2015, Geologic map of the Palo Alto 7.5' quadrangle, California: U.S. Geological Survey Scientific Investigations Map 2900, pamphlet 25 p., 2 sheets, scale 1:24,000, http://dx.doi.org/10.3133/sim2900.

ISSN 2329-1311 (print)  ISSN # Note
ISSN 2329-132X (online)
http://dx.doi.org/10.3133/sim2900  URL in Doi URL Note
ISBN 978-1-4113-1923-3

## Lat/Long values (corners)

122°15'  37°30'
12°30'
10'
122°07'30"  37°30'

Lat/Long Value Along Left Side  27°30'
Lat/Long Value Along Right Side  27°30'

122°15'  37°25'
12°30'
10'
122°07'30"  37°25'

## Additional annotations

text box for cooperator note always is centered within map layout (artboard) area (text box must not overlap any other map elements – allow at least 0.5" space on either side); please note that, in most cases, cooperator note is not added if cooperator's logo is shown

please note that the type in the LMU, symbol explanation, text, and references is shown as left justified ("ragged right") on this Style Guide, and the styles in the accompanying Map Template have been built that way as well; however, such type also may be fully justified ("left and right justified") if desired, depending on a particular map's layout or design

text box for LMU type spans entire width of column (LMU boxes, unit labels, and symbols fit inside of text box)

do not add tab character(s) to beginning of text paragraph (indentation is built into paragraph style)

place unit label in LMU box (do not add it to text paragraph)

center unit label horizontally and vertically in box (align with first line of text paragraph)

minimum 0.50" space between title block and lowest map element

text box for title block can expand horizontally or vertically to fit longer title and (or) list of authors; however, text box should not overlap any other map elements – allow at least 0.5" space to left and right of text box (or, to right of author affiliations, if provided)

text box for title block usually is centered within map layout (artboard) area, although on some maps it may be preferable to center it beneath just the map area

author affiliations align with lower right side of text box for title block (unless, as in this example, there is not enough space; in that case, they can extend inside text box for title block)

minimum 0.50" space between ISSN #/doi URL note and author affiliations (if they are provided) or right side of text box for title block (if they are not provided)

0.25" space between ISSN #/doi URL note and barcode

0.50" space between barcode and print tradename/ForSale/URL/citation note

1.0" space between image area and reg marks (trim size) and layout (artboard) area

1.0" space between reg marks (trim size) and layout (artboard) area

image area

center of map layout (artboard) area

minimum 0.50" space

0.30" space
0.05" space between neatline and lat/longs