map layout (artboard) area

printer's image area (includes reg marks)

trim size (trim at reg marks)

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

guides

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)

minimum space 0.275" between highest part of neatline and baseline of dept./bureau ID headnote ("DBID")

0.05" space between neatline and lat/longs

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

center of map layout (artboard) area

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

reg marks

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

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

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

USGS science for a changing world

U.S. Department of the Interior DBID

U.S. Geological Survey DBID

minimum 0.50" space

center of map area

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

text box for cooperator note always is centered within map layout (artboard) area (but 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

Map Series Headnote **Scientific Investigations Map 2900**

minimum 0.50" space

37°30' 122°15' 122°30' Lat/Long Value Along Top & Bottom 10' 122°07'30" 37°30'

37°30' Lat/Long Value Along Left Side

27'30" Lat/Long Value Along Right Side

Style Guide name: *MapStyleGuide_DMU_printFLAT_1sht_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_DMU_printFLAT_1sht_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 DMU 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, trim size, image areas, and map layout (artboard) area.

MapStyleGuide_DMU_printFLAT_1sht_v1-1_01-15.pdf

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.

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*]

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]
Prepared In Cooperation Note [Univers 57 Condensed, 12 pt, 15 pt leading, centered]
Cooperator Note [Univers 57 Condensed, 14 pt, 17 pt leading, centered]
Map Title [Univers 67 Bold Condensed, 30 pt, 36 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]
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]
DMU Unit Label [FGDCGeoAge, Regular, 8 pt, 10 pt leading, centered]
DMU Heading 1 (DMU Title) [Times New Roman, Bold, 12 pt, 12 pt leading, all caps, centered]
DMU Heading 2 [Times New Roman, Bold, 10 pt, 12 pt leading, all caps, centered, 12 pt space before]
DMU Heading 3 [Times New Roman, Regular, 10 pt, 12 pt leading, all caps, centered, 10 pt space before]
DMU Heading 4 [Times New Roman, Regular, 10 pt, 12 pt leading, centered, 8 pt space before]
DMU Heading 5 [Times New Roman, Italic, 10 pt, 12 pt leading, centered, 6 pt space before]
DMU/Map Text Bracketed Headnote - 1 Line [Times New Roman, Regular, 10 pt, 12 pt leading, centered, 8 pt space before]
DMU/Map Text Bracketed Headnote - More than 1 Line [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 8 pt space before]
DMU 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]
DMU 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, 3 pt space before]
DMU 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, 3 pt space before]
DMU 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, 3 pt space before]
DMU 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, 3 pt space before]
DMU 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, 3 pt space before]
DMU 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,17 pt space before]
DMU Unit 1 w/ 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, 9 pt space before]
DMU Unit 2 (after 1-line desc w/box) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, –10 pt 1st line indent, 9 pt space before]
DMU Unit 3 (after 1-line desc w/box) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 0 pt 1st line indent, 9 pt space before]
DMU Unit 4 (after 1-line desc w/box) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 10 pt 1st line indent, 9 pt space before]
DMU Unit 5 (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, 9 pt space before]
DMU 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]
DMU 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]
DMU 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 pt 1st line indent, 4 pt space before]
DMU 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]
DMU Paragraph [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 66 pt left indent, 20 pt 1st line indent]
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, 4 pt space before]
Symbol Explanation Bracketed Headnote [Times New Roman, 10 pt, 12 pt leading, 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 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, 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, 9 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, 9 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]
Map Text Heading 1 (first after symbol descriptions) [Times New Roman, Bold, 12 pt, 12 pt leading, all caps, centered, 24 pt space before]
Map Text Heading 1 (not first after symbol descriptions) [Times New Roman, Bold, 12 pt, 12 pt leading, all caps, centered, 14 pt space before]
Map Text Heading 2 [Times New Roman, Bold, 10 pt, 12 pt leading, all caps, centered, 12 pt space before]
Map Text Heading 3 [Times New Roman, Regular, 10 pt, 12 pt leading, all caps, centered, 10 pt space before]
Map Text Heading 4 [Times New Roman, Regular, 10 pt, 12 pt leading, centered, 8 pt space before]
Map Text Heading 5 [Times New Roman, Italic, 10 pt, 12 pt leading, centered, 6 pt space before]
Map Text Heading 6 [Times New Roman, Regular, 9 pt, 12 pt leading, centered, 5 pt space before]
Map Text Heading 7 [Times New Roman, Italic, 9 pt, 12 pt leading, centered, 4 pt space before]
Map Text Paragraph (first after heading) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 20 pt 1st line indent, 4 pt space before]
Map Text Paragraph (not first after heading) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 20 pt 1st line indent]
Reference (first reference listed) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 20 pt left indent, –20 pt 1st line indent, 4 pt space before]
Reference (not first reference listed) [Times New Roman, Regular, 10 pt, 12 pt leading, left justified, 20 pt left indent, –20 pt 1st line indent]

Character Styles built into the accompanying Map Template file:

DMU Unit Name/Age [Times New Roman, Bold, 10 pt, 12 pt leading]
DMU/Text Unit Label [FGDCGeoAge, Regular, 9 pt, 12 pt leading]
Symbol Name [Times New Roman, Bold, 10 pt, 12 pt leading]
URL in Text/References [Times New Roman, Regular, 10 pt, 12 pt leading]
Footnote # in Author List [Univers 67 Bold Condensed, 13 pt, baseline shift +5 pt]
Footnote # in Author Affiliation Footnote [Univers 57 Condensed, 6 pt, baseline shift +4 pt]
ISSN # Note [Univers 57 Condensed, 8 pt, 7 pt leading]
URL in Doi URL Note [Univers 57 Condensed, 8 pt, 7 pt leading]
URL in Suggested Citation/URL Credit Note [Univers 57 Condensed, 7 pt, 8 pt leading]

please note that the type in the DMU, 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

align top of CMU title with highest part of neatline

center of CMU

align top(s) of DMU box(es) and (or) type in other columns with top of CMU title

center CMU over DMU column (or columns)

center CMU title and headnote over entire CMU

0.20" space

align brackets with boxes both horizontally and vertically

CORRELATION OF MAP UNITS CMU Heading 1 (CMU Title)

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

UNCONSOLIDATED DEPOSITS CMU Heading 2

CMU Unit Label: Qu — Holocene and Pleistocene — QUATERNARY (CMU Epoch (Geologic Time); CMU Period (Geologic Time))

BEDROCK CMU Heading 2

CMU Heading 3: NORTH SLOPE SUBTERRANE; KLIPPEN OF ENDICOTT MOUNTAINS AND DE LONG MOUNTAINS SUBTERRANES NEAR MOUNT ANNETTE

headings in CMU should match those in DMU

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

Ki

Kksc

CMU Heading 4: Endicott Mountains Subterrane

0.10" space

0.20" space

Kk — Lower Cretaceous — CRETACEOUS

Ko — Ke — Lower Cretaceous — CRETACEOUS

Unconformity — CMU Unconformity Notation

KPs — TRIASSIC

TrPss — PERMIAN

Trss — TRIASSIC

center unit label horizontally and vertically in box

CMU Heading 5: *Volcanic Rocks*

0.05" space (*)

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

1.0" space

Trv — Trp — Trpt — Trpwt — Trplt — TRIASSIC

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

0.50" space to top of DMU type

0.50" space between columns

DESCRIPTION OF MAP UNITS DMU Heading 1 (DMU Title)

[Unit ages from Brabb and others (2000). Nearly all faults in northwest corner of map area are thrust faults, but level of detail precludes addition of sawteeth] DMU/Map Text Bracketed Headnote - More than 1 Line

UNCONSOLIDATED DEPOSITS DMU Heading 2

DMU Unit Label: Qu

Surficial deposits, undivided (Holocene and Pleistocene)—Alluvial gravel, sand, and silt; glacial outwash. Alluvial gravel, sand, and silt; glacial outwash. Alluvial gravel, sand, and silt; glacial outwash. DMU Unit 1 (first after heading)

In many places, effects of permafrost, including pingos and polygonal patterned ground, are severe, resulting in irregular surface. Numerous pingo scars are present DMU Paragraph

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

add period at end of unit description only if it is followed by another paragraph

BEDROCK DMU Heading 2

NORTH SLOPE SUBTERRANE DMU Heading 3

DMU Unit Name/Age Character Style

Ki **Ipewik unit (Lower Cretaceous)**—Black clay and silty shale DMU Unit 1 (first after heading)

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

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

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

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

DMU box size = 0.55" x 0.25"

Kksc **Coarse-grained subunit**—Lens of pebble conglomerate DMU Unit 5 (after 1-line desc w/out box)

KLIPPEN OF ENDICOTT MOUNTAINS AND DE LONG MOUNTAINS SUBTERRANES NEAR MOUNT ANNETTE DMU Heading 3

Endicott Mountains Subterrane DMU Heading 4

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

Kk **Kongakut Formation (Lower Cretaceous)**—Black shale DMU Unit 1 (first after heading)

Ko **Otuk Formation (Lower Cretaceous)**—Black shale and siltstone DMU Unit 1 w/box (after 1-line desc w/box)

Ke **Etivluk Group (Lower Cretaceous)**—Shale and siltstone DMU Unit 2 (after 1-line desc w/box)

KPs **Sedimentary rocks (Lower Cretaceous to Permian)**—Sandstone and shale DMU Unit 3 (after 1-line desc w/box)

TrPss **Siltstone and shale (Triassic to Permian)**—Sandy siltstone and shale DMU Unit 4 (after 1-line desc w/box)

Trss **Fossiliferous shale (Triassic)**—Black, fossiliferous shale DMU Unit 5 (after 1-line desc w/box)

Volcanic Rocks DMU Heading 5

Trv **Volcanic rocks, undivided (Triassic)**—Lava flows and lahar deposits that cover large areas of map DMU Unit 1 (first after heading)

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

Trp **Pyroclastic deposits and rocks**—Basaltic and andesitic pyroclastic rocks and deposits, mostly poorly sorted and nonwelded DMU Unit 1 (after desc of 2 or more lines)

Trpt **Coarse-grained ash-flow tuff**—Well sorted, coarse-grained ash-flow tuff. Contains clasts as large as 3 mm DMU Unit 2 (after desc of 2 or more lines)

Trpft **Fine-grained to massive ash-flow tuff**—Moderately well sorted, coarse-grained ash-flow tuff. Thickness, 5 m DMU Unit 3 (after desc of 2 or more lines)

Trpwt **Welded silicic tuff unit**—Welded silicic tuff made up of fine-grained silicic ash. Thickness, 0.5 m DMU Unit 4 (after desc of 2 or more lines)

Trplt **Lithic-rich tuff layer**—Angular lithic clasts. Interbedded with unit Trpft DMU Unit 5 (after desc of 2 or more lines)

DMU/Text Unit Label Character Style

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)

Symbol Name Character Style

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 Tss Symbol 3 (after 1-line desc w/out symbol)

DMU/Text Unit Label Character Style

Listric fault at head of detachment—Ticks on upper plate Symbol 3 (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 Headote

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)

INTRODUCTION Map Text Heading 1 (first after symbol descriptions)

The rocks and deposits in the map area represent a wide range of stratigraphic, structural, and tectonostratigraphic relations. Map Text Paragraph (first after heading)

Unit ages are from Brabb and others (2000). Map Text Paragraph (not first after heading)

STRATIGRAPHY Map Text Heading 1 (not first after symbol descriptions)

[Modified from Brabb and others (2000)] DMU/Map Text Bracketed Headnote - 1 Line

UNCONSOLIDATED DEPOSITS Map Text Heading 2

Surficial deposits in the map area consist of poorly sorted alluvial gravel and lithic sand and silt; also includes large areas of glacial outwash. Map Text Paragraph (first after heading)

BEDROCK Map Text Heading 2

A diverse set of volcanic and sedimentary rocks are present in the map area. These bedrock lithologies represent fragments of several tectonostratigraphic terranes. Map Text Paragraph (first after heading)

KLIPPEN OF ENDICOTT MOUNTAINS AND DE LONG MOUNTAINS SUBTERRANES NEAR MOUNT ANNETTE Map Text Heading 3

Rocks of the Endicott Mountains and DeLong Mountains subterranes are present in several scattered outcrops that are separated by faults. Map Text Paragraph (first after heading)

Endicott Mountains Subterrane Map Text Heading 4

Rocks of the Endicott Mountains subterrane consist of sedimentary and volcanic rocks. Map Text Paragraph (first after heading)

Volcanic Rocks Map Text Heading 5

Volcanic rocks of the Endicott Mountains subterrane are found in the eastern part of the map area. Map Text Paragraph (first after heading)

Pyroclastic Rocks Map Text Heading 6

Pyroclastic rocks of the Endicott Mountains subterrane consist of welded ash-flow tuffs. Map Text Paragraph (first after heading)

DMU/Text Unit Label Character Style

Ash-flow Tuff Map Text Heading 7

A conspicuous layer of laminated, lithic-rich ash-flow tuff is interbedded with unit Trpft. Map Text Paragraph (first after heading)

REFERENCES CITED Map Text Heading 1 (not first after symbol descriptions)

Bailey, E.H., Irwin, W.P., and Jones, D.L., 1964, Franciscan and related rocks: California Geological Survey Bulletin 183, 177 p. Reference (first reference listed)

Brabb, E.E., Jones, D.L., and Graymer, R.W., 2000, Geologic map and map database of the Palo Alto 30'×60' quadrangle, California: U.S. Geological Survey Miscellaneous Field Studies Map 2332, available at http://pubs.usgs.gov/mf/2000/mf-2332/. Reference (not first reference listed)

URL in Text/References Character Style

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 DMU, symbol explanation, and text

0.30" space

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

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

14½° TRUE NORTH MAGNETIC NORTH APPROXIMATE MEAN DECLINATION, 2015

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

CALIF. MAP LOCATION

Geology mapped by E.H. Pampeyan, E.E. Brabb, and G.J. Saucedo, 1982–1986; 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 Jan L. Zigler; digital cartographic production by Kathryn Nimz

Manuscript approved for publication May 27, 2014
Geology/DB/Carto/Edit/Approval Note

scale is centered beneath map

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]

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)

minimum 0.50" space between title block and other map elements

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

Footnote # in Author List Character Style

Footnote # in Author Affiliation Footnote Character Style

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

image area

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

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)

ISSN # Note Character Style

ISSN 2329-1311 (print)
ISSN 2329-132X (online)
http://dx.doi.org/10.3133/sim2900

URL in Doi URL Note Character Style

Recycled Paper Note

Printed on recycled paper

ISBN 978-1411319233

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

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

Print TradeName/ForSale/URL/Citation Note

URL in Suggested Citation/URL Credit Note Character Style

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, scale 1:24,000, http://dx.doi.org/10.3133/sim2900.

URL in Suggested Citation/Credit Note Character Style

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

reg marks

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

center of map layout (artboard) area