



# Geologic Map of the Cape Blanco and Sixes 7.5' Quadrangles, Curry County, Oregon

2014

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Geologic Map of the Southern Oregon Coast  
Between Port Orford and Bandon  
Curry and Coos Counties, Oregon

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PLATE 1

NOTE: These data were mapped at 1:8,000 scale; 1:24,000-scale plates cannot show all the detail  
of 1:8,000-scale mapping. Please use the geodatabase to explore in full detail.

## EXPLANATION OF MAP UNITS

See Explanation of Map Units (in pamphlet) for complete unit descriptions.

### UPPER CENOZOIC SURFICIAL DEPOSITS

#### ANTHROPOCENE SURFICIAL DEPOSITS

- Al** modern fill and construction material (Anthropocene)
- Aa** alluvium (Anthropocene)
- Ala** landslide deposits (Anthropocene)
- Auf** debris fan deposits (Anthropocene)
- Auf** alluvial fan deposits (Anthropocene)
- Abs** beach and berm deposits (Anthropocene)
- Ads** foredune deposits (Anthropocene)

#### ANTHROPOCENE AND HOLOCENE SURFICIAL DEPOSITS

- Amk** coastal lacustrine deposits (Anthropocene and Holocene)
- Amsh** coastal marsh deposits (Anthropocene and Holocene)
- Amhs** unvegetated dune deposits (Anthropocene and Holocene)
- Amhv** vegetated dune deposits (Anthropocene and Holocene)

#### HOLOCENE SURFICIAL DEPOSITS

- Ha** alluvium (Holocene)
- Hsb** beach storm berm (Holocene)
- Haf** alluvial fan deposits (Holocene)
- Huf** debris fan deposits (Holocene)
- Hs** landslide deposits (Holocene)

#### QUATERNARY SURFICIAL DEPOSITS

- Qal** alluvial fan deposits (Holocene and upper Pleistocene)
- Qla** landslide deposits (Holocene and upper Pleistocene)
- Qcl** colluvium (Holocene and upper Pleistocene)
- Qus** upland coastal dune deposits (Holocene and upper Pleistocene)

#### Fluvial terrace deposits and strath terraces (upper Pleistocene)

- Qst1** fluvial terrace sediments 1 (upper Pleistocene)
- Qst2** fluvial terrace sediments 2 (upper Pleistocene)
- Qst3** fluvial terrace sediments 3 (upper Pleistocene)
- Qst4** fluvial terrace sediments 4 (upper Pleistocene)
- Qst5** fluvial terrace sediments 5 (upper Pleistocene)
- Qst6** fluvial terrace sediments 6 (upper Pleistocene)
- Qst7** fluvial terrace sediments 7 (upper Pleistocene)
- Qst8** fluvial terrace sediments 8 (upper Pleistocene)

#### Coastal marine terrace deposits (Pleistocene)

- Qmta** Cape Blanco terrace sediments (south of Floras Creek, upper Pleistocene, ~80 ka)
- Qmtb** Pioneer terrace sediments (upper Pleistocene, ~105 ka)
- Qmtc** Silver Butte terrace sediments (south of Sixes River, upper Pleistocene, ~125 ka)
- Qmtd** Indian Creek terrace sediments (upper or lower Pleistocene > 200 ka)
- Qmte** Poverty Ridge terrace sediments (lower Pleistocene)

#### Unconformity

### LOWER PLEISTOCENE AND MIOCENE ROCKS

#### LOWER PLEISTOCENE SEDIMENTARY ROCKS

- Qpl** Port Orford Formation (lower Pleistocene)

#### Unconformity

### MIOCENE SEDIMENTARY ROCKS

- Tm** Embley Formation (upper Miocene, Wiskhanian Pacific Northwest Molluscan Stage)

#### Unconformity

- Tsl** sandstone of Floras Lake (lower and middle Miocene, Wiskhanian and Neopartian Pacific Northwest Molluscan Stages)

- Tst** tuff (lower Miocene, 18.24 ± 6.86 Ma)

#### Unconformity

### LOWER CENOZOIC AND MESOZOIC ROCKS

#### PALEOGENE SEDIMENTARY ROCKS

- Tu** Umpqua Group (lower to middle Eocene)

#### Unconformity (?)

### SIXES RIVER TERRANE

#### Cape Blanco (western) subterrane

- Ta** mudstone and sandstone matrix melange (lower middle Eocene(?) to Upper Jurassic(?))
- Tas** sandstone
- Tav** volcanic and meta-volcanic rocks
- Tch** chert
- Tbs** blueschist
- Tcg** conglomerate
- Tgs** garnet schist
- Tps** serpentinite and meta-serpentinite
- Tmb** melange blocks, undivided

#### Faulted Subterrane Boundary

#### Fulmar (central) subterrane

- Taf** sandstone of Fiveville Point (lower Eocene)

#### Unconformity (?)

- Ms** sandstone and mudstone turbidites (Upper Cretaceous)

#### Unconformity

- Ka** melange of Sixes River (Upper?) Cretaceous to Jurassic(?)

- Kav** volcanic and meta-volcanic rocks
- Kch** chert
- Kbs** blueschist
- Kmb** melange blocks, undivided

- Tm** volcanic rocks that erupted onto or intruded the Fulmar (central) subterrane or Cretaceous(?) or Paleogene(?) or Cretaceous(?)

#### Faulted Terrane Boundary

### GOLD BEACH TERRANE

- Kgs** Cretaceous sedimentary rocks
- Kgsu** sedimentary rocks, undivided (Upper?) Cretaceous

#### Unconformity

#### Lower Cretaceous and Upper Jurassic sedimentary rocks

- Kps** Otter Point Formation (Lower Cretaceous and Upper Jurassic, Blantonian to Tithonian Stages)

- Kps** volcanic rocks

#### Faulted Terrane Boundary

### PICKETT PEAK TERRANE

- Kps** Colebrook Schist (Upper Jurassic origin, Lower Cretaceous or later emplacement, 128.3 ± 6.128.6 ± 6.141.9 ± 10 Ma, K/a whole rock; metamorphic age)

#### Faulted Terrane Boundary

### WESTERN KLAMATH TERRANE

#### Elk subterrane

- Kps** Rocky Point Formation (Lower Cretaceous, Valanginian or Berriasian Stage)

- Kps** Humboldt Mountain Conglomerate (Lower Cretaceous, Valanginian or Berriasian Stage)

#### OTHER ROCKS

- Kps** serpentinite, serpentinite-matrix melange, and serpentinized ultramafic rock, undivided (Cretaceous?) and Upper Jurassic(?)

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- Amk** coastal lacustrine deposits (Anthropocene and Holocene)
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#### Unconformity

### LOWER PLEISTOCENE AND MIOCENE ROCKS

#### LOWER PLEISTOCENE SEDIMENTARY ROCKS

- Qpl** Port Orford Formation (lower Pleistocene)

#### Unconformity

### MIOCENE SEDIMENTARY ROCKS

- Tm** Embley Formation (upper Miocene, Wiskhanian Pacific Northwest Molluscan Stage)

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- Tsl** sandstone of Floras Lake (lower and middle Miocene, Wiskhanian and Neopartian Pacific Northwest Molluscan Stages)

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