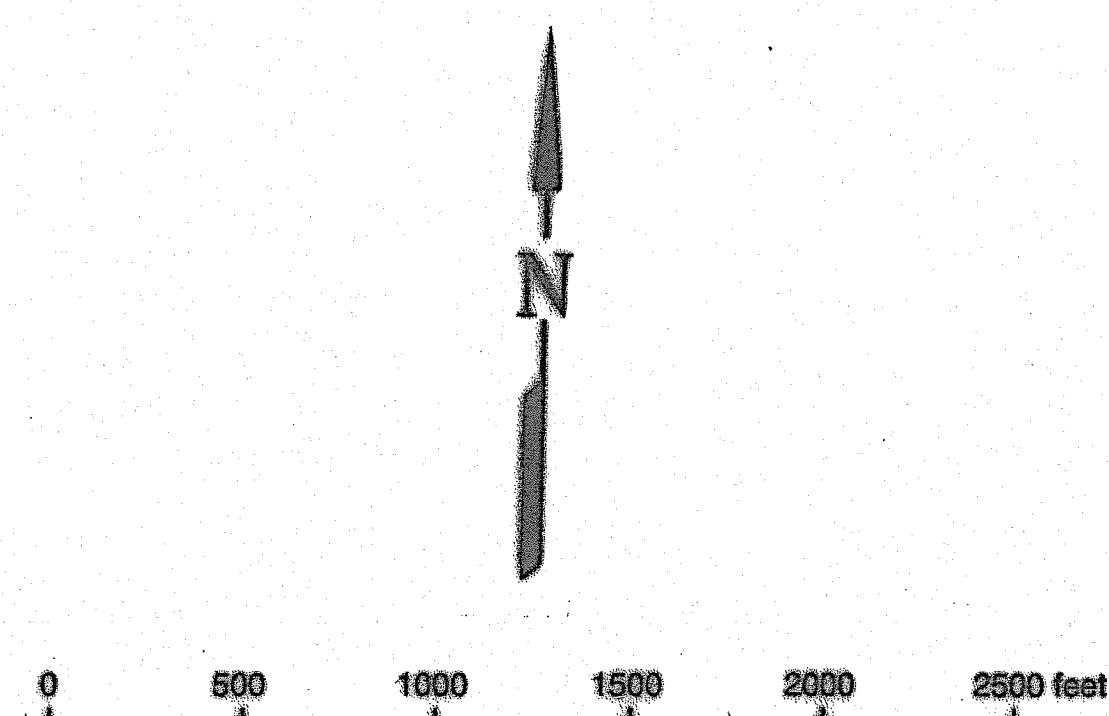




EXPLANATION

POTENTIAL GEOLOGIC AND SEISMIC HAZARDS UNITS:

- A1** Existing fill overlying unconsolidated Holocene Bay mud deposits
- A2** Unconsolidated Holocene fine- to coarse-grained alluvial fan and basin deposits; water table ≤ 10 feet
- A3** Unconsolidated Holocene fine- to coarse-grained alluvial fan deposits; water table ≥ 10 feet
- A4** Weakly consolidated Pleistocene fine- to coarse-grained alluvial fan and basin deposits
- B** Colluvial and landslide deposits locally overlying Whiskey Hill (?) Formation (formerly Butano sandstone) and Franciscan Complex bedrock units. Asterisk in area of shallow bedrock near bay margin; indicates low potential for slope instability

SYMBOLS:

Boundary of potential geologic and seismic hazards unit, approximately located; boundary between Hazard Units A1 and A2 coincident with historic margin of San Francisco Bay marshland

Approximate landward limit of historic margin of San Francisco Bay marshland

POTENTIAL GEOLOGIC AND SEISMIC HAZARDS

HAZARDS UNITS	A1	A2	A3	A4	B
Flooding	H	H	M	M	O
Tsunamis	O	O	O	O	O
Ground Settlement	H	L	O	O	L
Fault Ground Rupture	O	O	O	O	O
Seismically Induced Ground Failure	H	M	L	L	M
Seismically Induced Ground Shaking	H	H	H	H	H
Liquefaction	H	M	L	L	O
Erosion	L	L	L	L	M
Slope Instability/Landsliding	O	O	L	L	M
Expansive Soils or Bedrock	O	L to H	L	L to M	L to H

O = No hazard or hazard unlikely
L = Generally low potential
M = Generally moderate potential
H = Generally high potential

NOTES:

- This map is an interim map intended to update the previous City of San Carlos Potential Geologic and Seismic Hazards Map (Earth Sciences Associates, 1975 revised by HTA, 1986), and to provide a basis for incorporation into digital map layers (e.g., CAD/GIS). As such, contour elevations are not shown, contours are locally discontinuous, and contour intervals vary; contour interval is 10 feet in hillside areas, 2 feet in more gently sloping areas.
- Topographic base prepared by Towill, Inc. through computer-aided photogrammetry with field control, for use at 1"=100' scale. Date of aerial photography, April 19, 1983. Grid corresponds to sheets of City of San Carlos Department of Public Works Parcel, Utility and Base Map (Department of Public Works Project No. 11-10-83).
- This map was prepared at 1"=500' scale, and intended for use as a planning document at that scale. Use of this map at an enlarged scale implies greater accuracy than was intended. Outline of potential geologic and seismic hazards units derived from City of San Carlos Geologic Map.
- For information regarding projects requiring engineering geologic and/or geotechnical (soil and foundation) engineering reports, and minimum report elements, please contact the City of San Carlos Building Department.
- Boundary between hazard units A2 and A3 from Webster, D.A., 1973, "Map showing areas bordering the southern part of San Francisco Bay where a high water table may be adversely affect land use," U.S. Geological Survey Miscellaneous Field Studies Map MF-530, scale 1:125,000.
- Historic margin of marshland from Pampeyan, E.H., 1970, Geologic map of the southern part of the Redwood Point 7.5' quadrangle, San Mateo County, California: U.S. Dept. of HUD, San Francisco Bay Region Environment and Resources Planning Study, Basic Data Contribution 3, 1:24,000; Pampeyan, E.H., 1970, Geologic map of the Palo Alto 7.5' quadrangle, San Mateo and Santa Clara Counties, California: U.S. Dept. of HUD, San Francisco Bay Region Environment and Resources Planning Study, Basic Data Contribution 2, 1:24,000; Pampeyan, E.H., 1981, Geology and former shoreline features of the San Mateo 7.5' quadrangle, San Mateo County, California: U.S. Geological Survey Open file report OPR 81-889, 1:24,000; Nichols, D.R., and Wright, N.A., 1977, "Map showing distribution of granular sediments above, within, and beneath Holocene estuarine deposits, San Mateo County, California," U.S. Geological Survey, Map MF-891, 1:125,000.

Map area extended to include Harbor Industrial Area annexed by the City of San Carlos. Limited revision/updates of other areas

POTENTIAL GEOLOGIC AND SEISMIC HAZARDS MAP
City of San Carlos, California

HTA Harlan Tait Associates
Consulting Engineers and Geologists

3/25/99

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