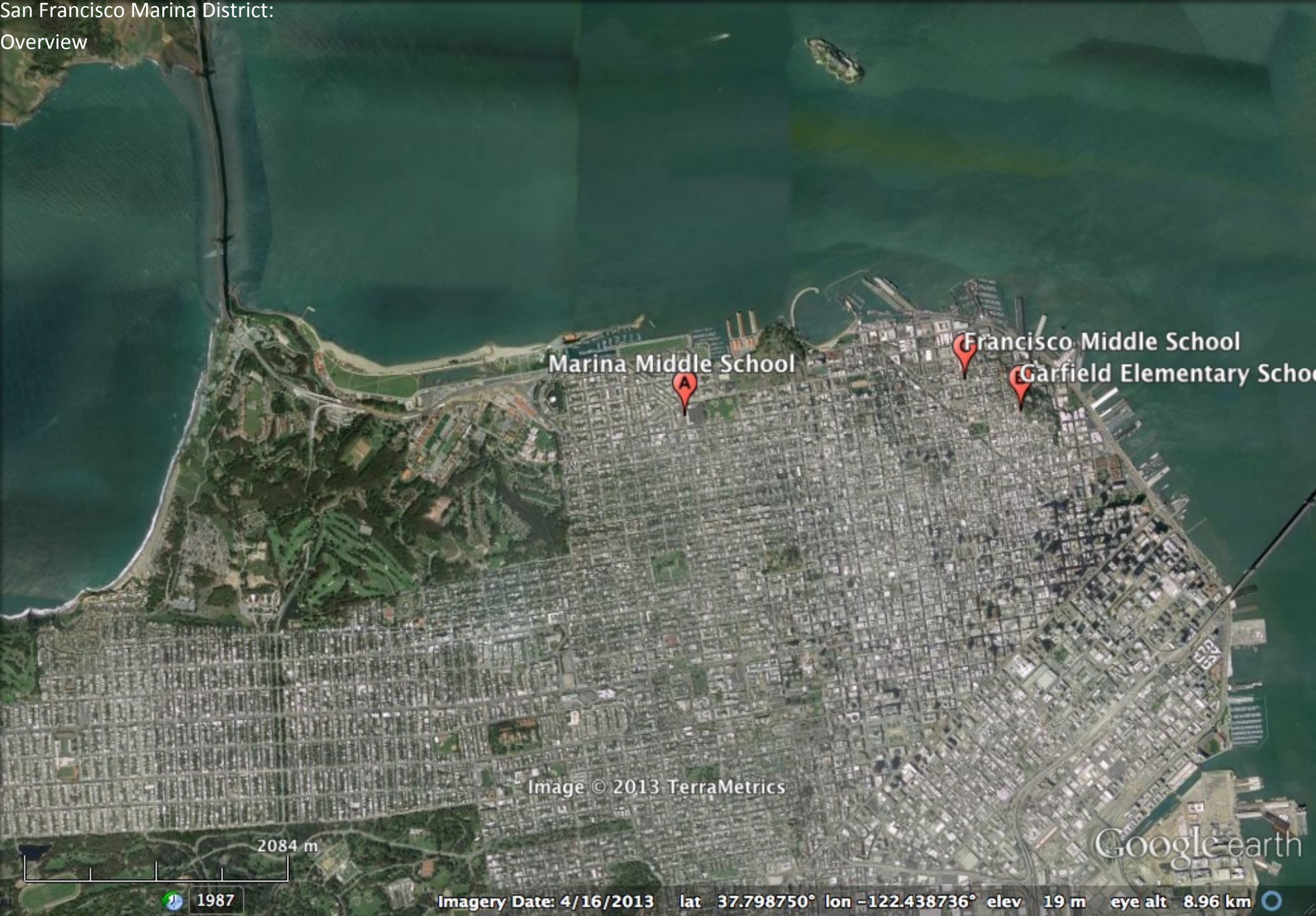
San Francisco
School Earthquake Risk Activity

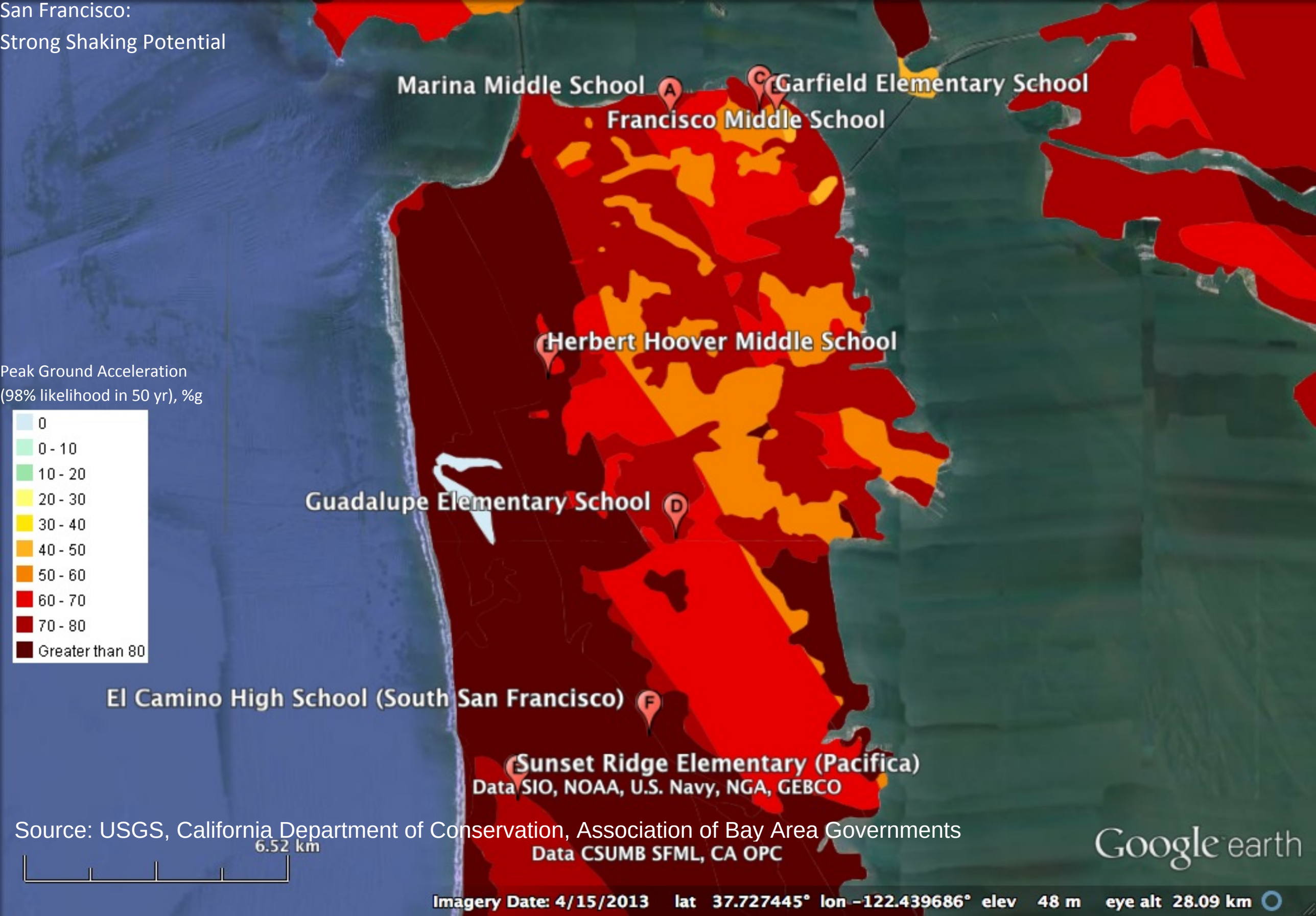
Non-Google-Earth Version

San Francisco:
Overview

San Francisco Marina District:
Overview



San Francisco:
Strong Shaking Potential

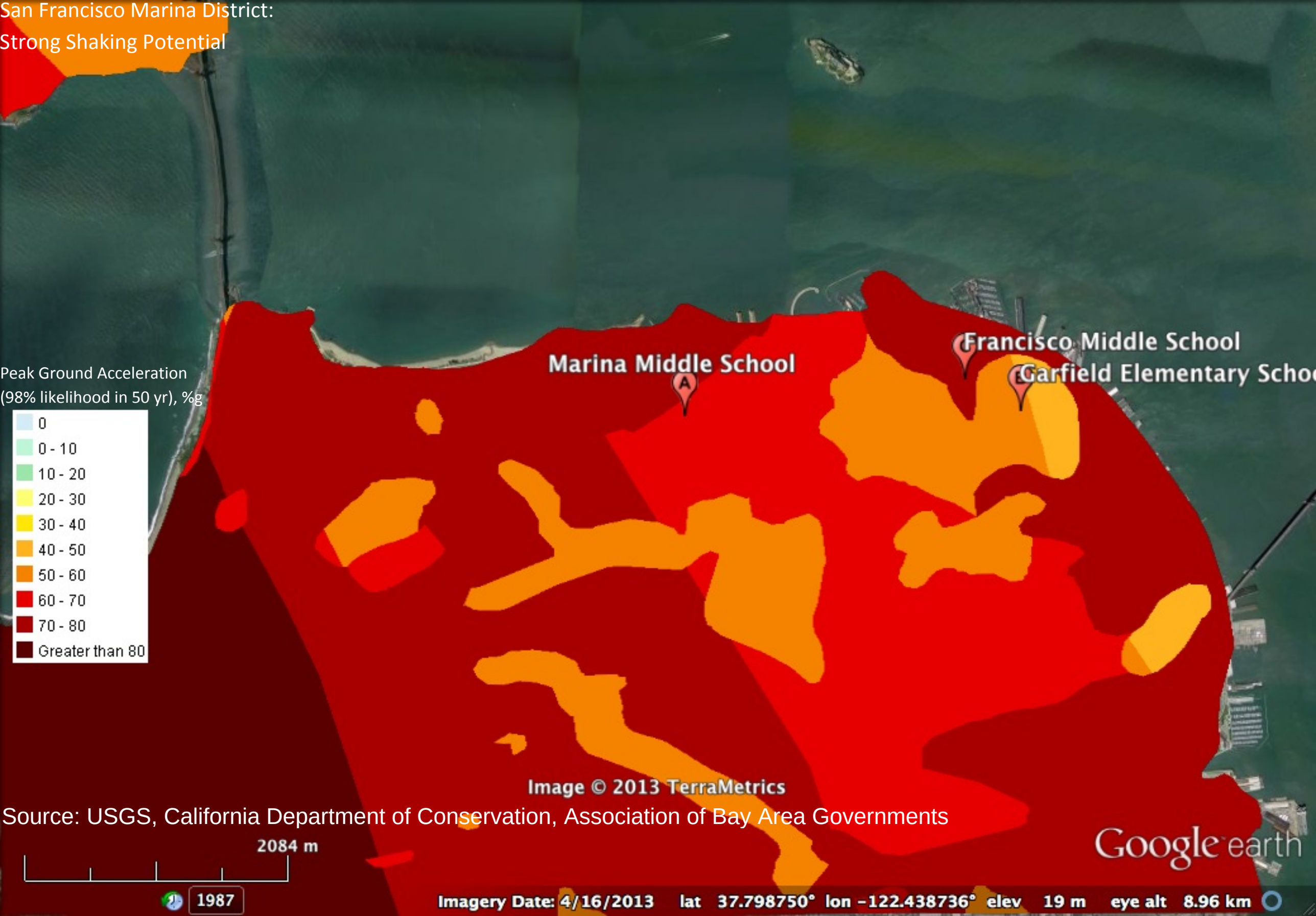


Peak Ground Acceleration
(98% likelihood in 50 yr), %g

- 0
- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- Greater than 80

Source: USGS, California Department of Conservation, Association of Bay Area Governments

San Francisco Marina District: Strong Shaking Potential



Source: USGS, California Department of Conservation, Association of Bay Area Governments

San Francisco:

Geology

af: artificial fill (gray)

Qs: Beach and dune sand (orange)

Qoa/Qpa/Qha: Alluvium (sand/gravel; tan or yellow)

Kfs: Hard rocks (blue/green)

Source: USGS

San Francisco Marina District:

Geology

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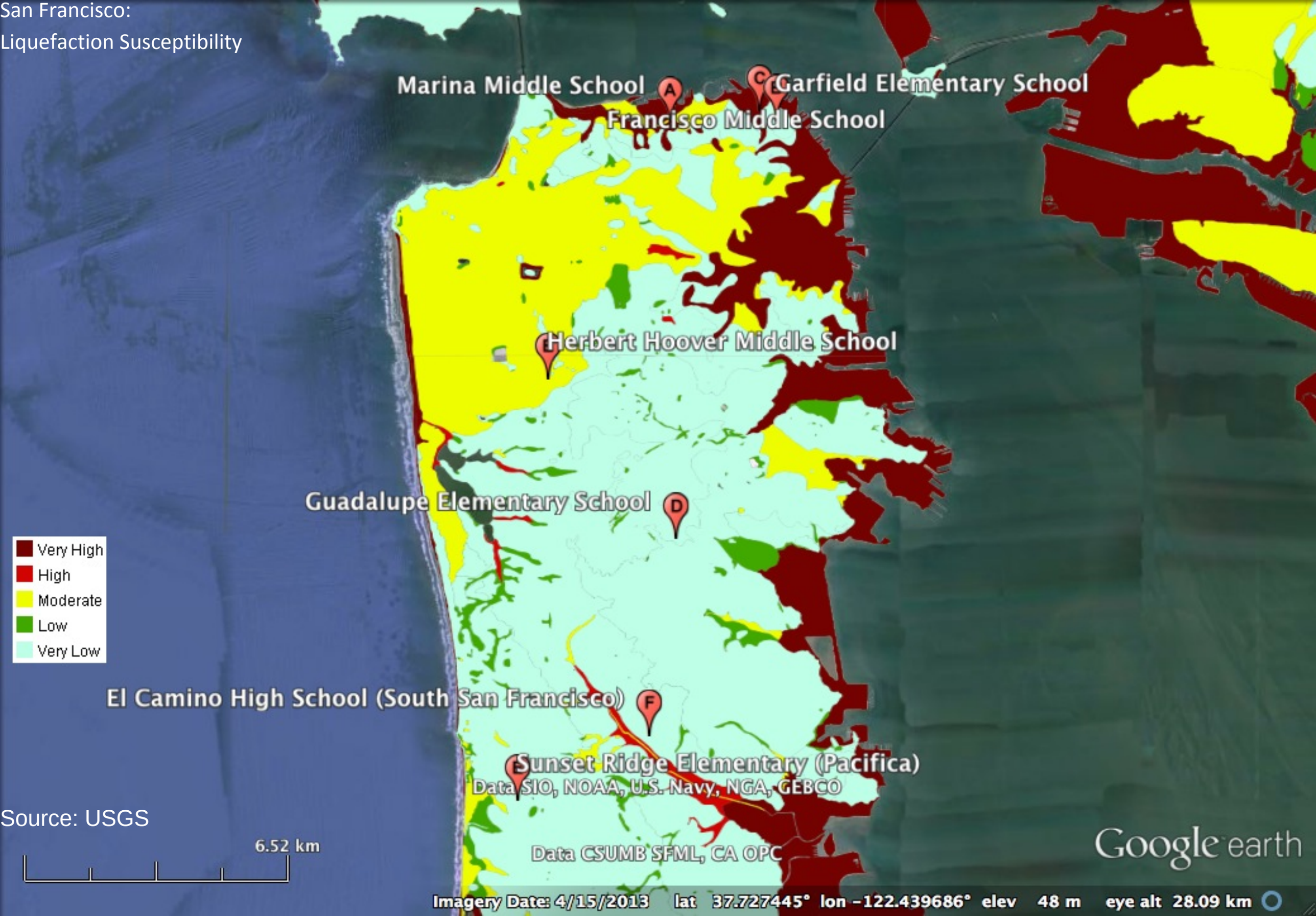
Qs: Beach and dune sand (orange)

Qoa/Qpa/Qha: Alluvium (sand/gravel; tan or yellow)

Kfs: Hard rocks (blue/green)

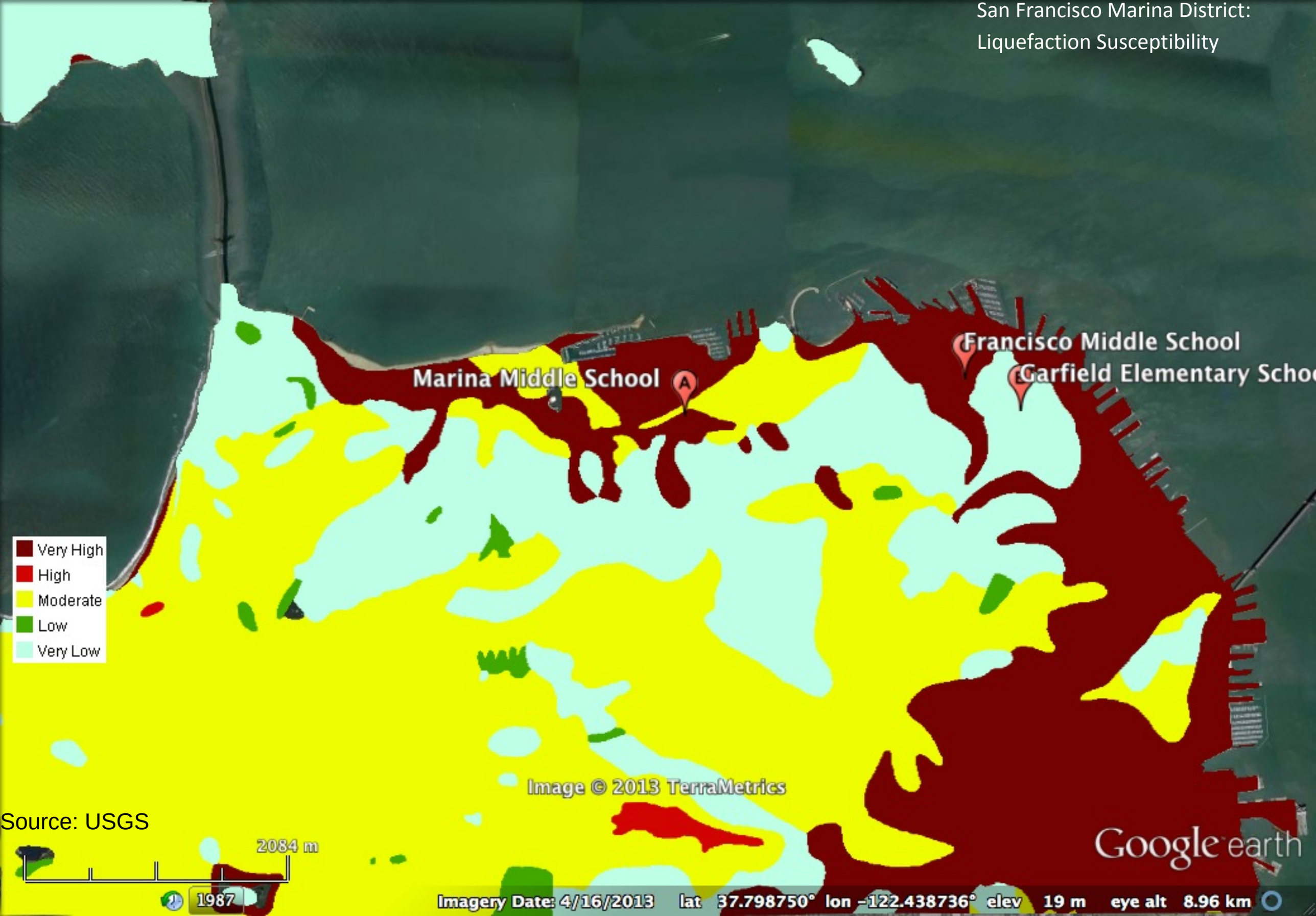
Source: USGS

San Francisco:
Liquefaction Susceptibility



Source: USGS

San Francisco Marina District:
Liquefaction Susceptibility

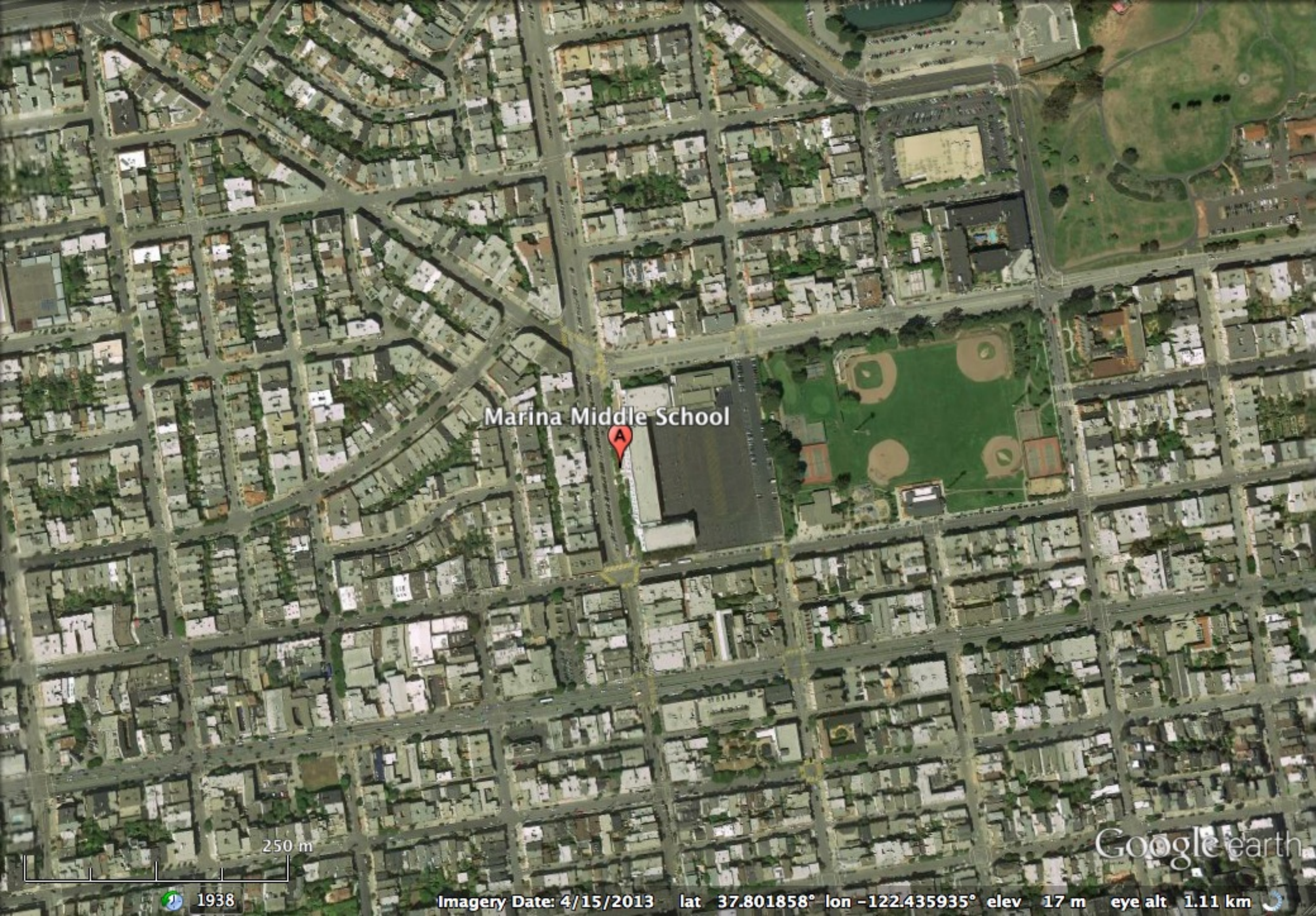


Source: USGS

San Francisco Marina District:
LIDAR Topography

Source: USGS

MARINA MIDDLE SCHOOL


Marina Middle School
A
250 m
1938
Imagery Date: 4/15/2013 lat 37.801858° lon -122.435935° elev 17 m eye alt 1.11 km
Google earth

Marina Middle School
A
24 m
Gray Buildings © 2011 CyberCity
Google earth
1938
Imagery Date: 4/15/2013 lat 37.802365° lon -122.436301° elev 13 m eye alt 138 m

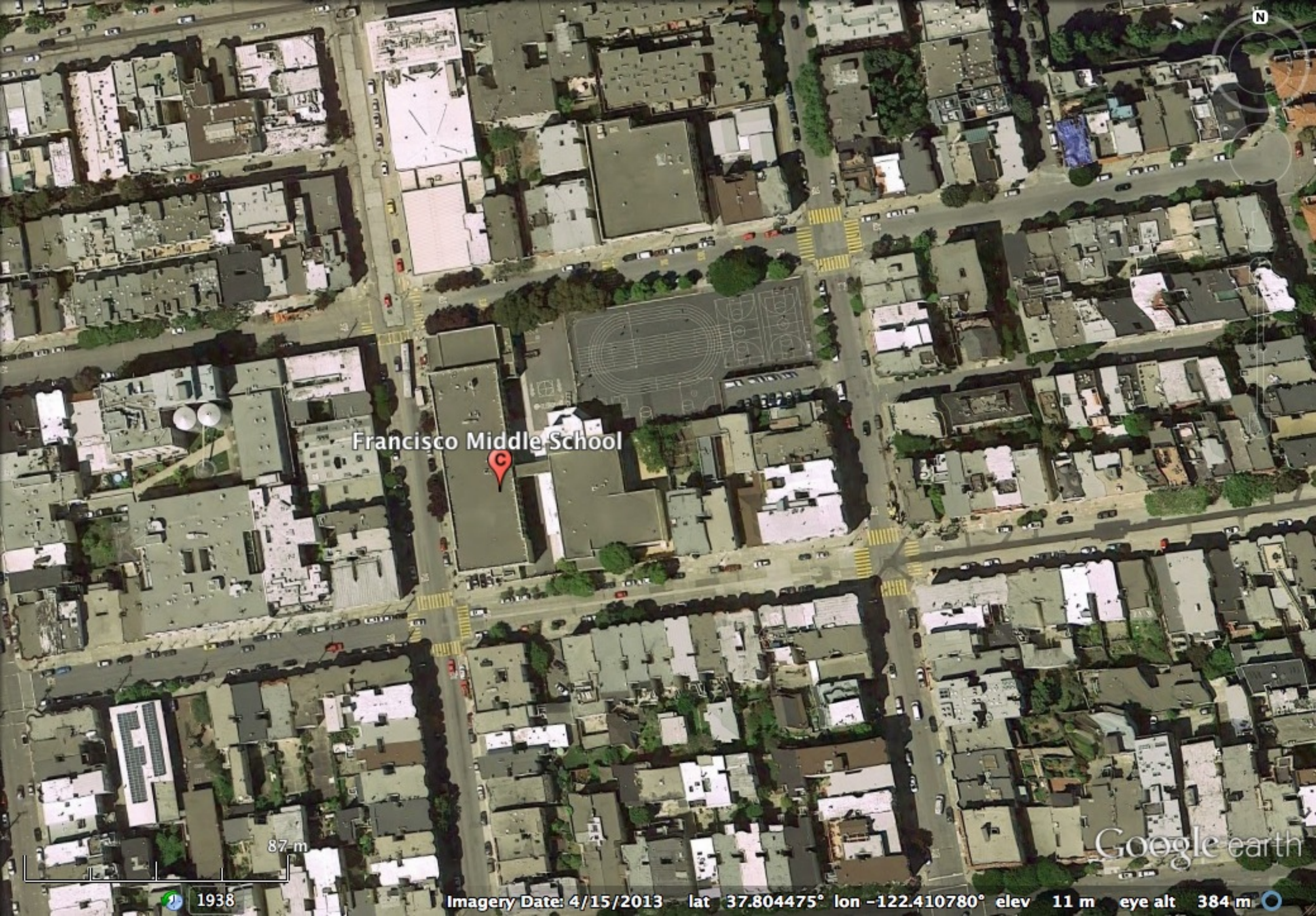
3492 Fillmore Street
Exit Street View
MARINA
MIDDLE SCHOOL
BUS STOP
TOW-AWAY
NO STOPPING
7AM to 4PM
SCHOOL DAYS
3 m
Report a problem
© 2013 Google
Google earth
lat 37.801810° lon -122.436223° elev 24 m eye alt 20 m

3492 Fillmore Street
Exit Street View
MARINA
DDLE SCHOOL
WATT
EMERSON
4 m
Report a problem
© 2013 Google
Google earth
lat 37.801609° lon -122.436179° elev 26 m eye alt 20 m

1749 San Francisco Bicycle Route 4
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.802542° lon -122.435509° elev 13 m eye alt 17 m

1997 Chestnut Street
Exit Street View
N
© 2013 Google
Google earth
2 m
Report a problem
lat 37.801046° lon -122.435941° elev 25 m eye alt 23 m

FRANCISCO MIDDLE SCHOOL


Francisco Middle School
87 m
1938
Imagery Date: 4/15/2013 lat 37.804475° lon -122.410780° elev 11 m eye alt 384 m
Google earth

Francisco Middle School
Gray Buildings © 2008 Sanborn
25 m
Google earth
1938
Imagery Date: 4/15/2013 lat 37.804204° lon -122.411462° elev 14 m eye alt 110 m

2123 Powell Street
Exit Street View
2 m
Report a problem
© 2013 Google
Google earth
lat 37.804454° lon -122.411584° elev 10 m eye alt 9 m

2123 Powell Street
Exit Street View
N
2 m
Report a problem
© 2013 Google
Google earth
Imagery Date: 3/2011 lat 37.804387° lon -122.411565° elev 12 m eye alt 9 m

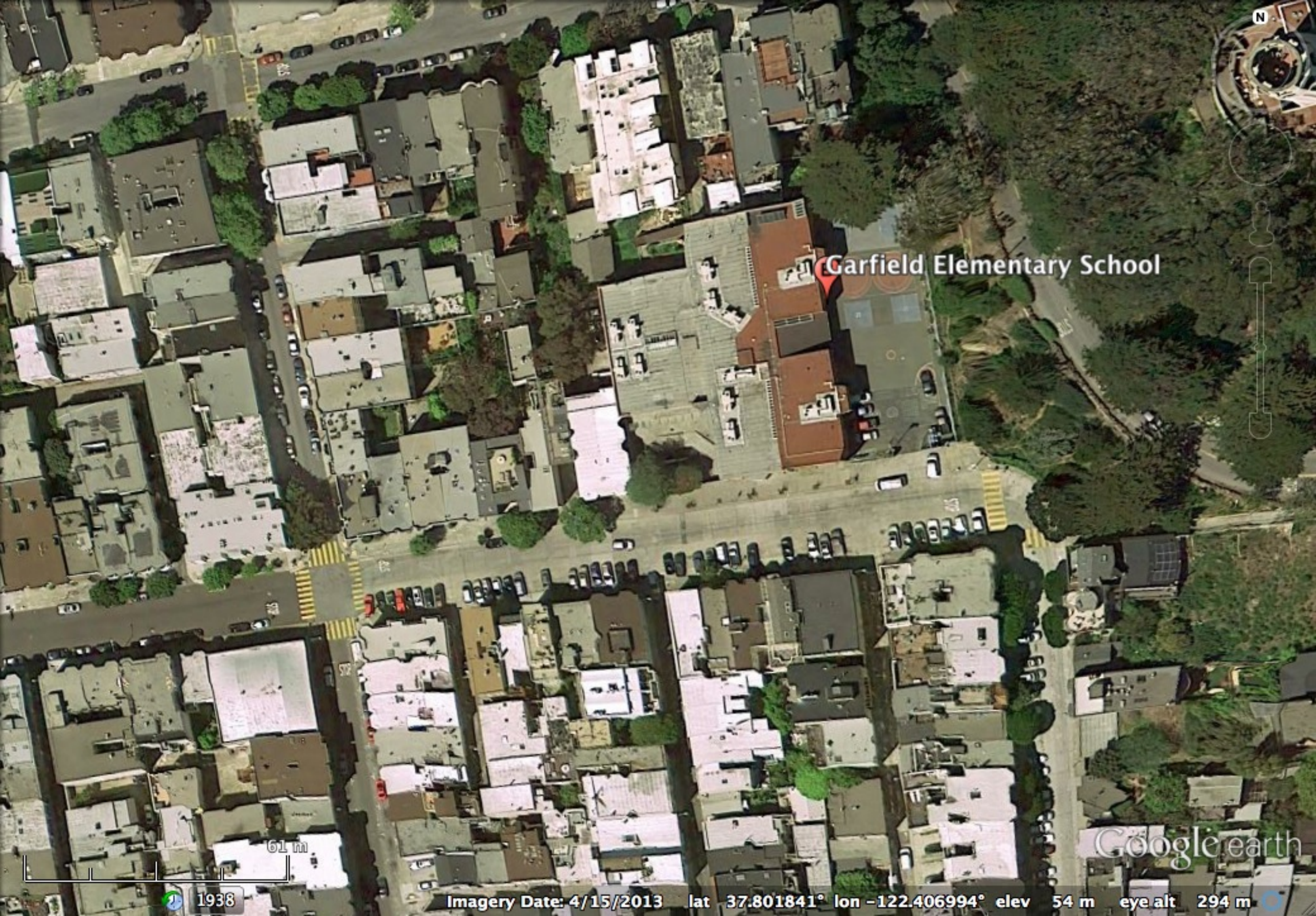
374 Francisco Street
Exit Street View
1 m
Report a problem
© 2013 Google
Google earth
lat 37.804889° lon -122.411393° elev 9 m eye alt 10 m

454 Chestnut Street
Exit Street View
FRANCISCO MIDDLE SCHOOL
© 2013 Google
2 m
Report a problem
Google earth
lat 37.804152° lon -122.410947° elev 18 m eye alt 18 m

454 Chestnut Street
Exit Street View
N
© 2013 Google
2 m
Report a problem
Google earth
lat 37.804158° lon -122.410869° elev 18 m eye alt 18 m

476 Chestnut Street
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.804119° lon -122.411207° elev 14 m eye alt 13 m

GARFIELD ELEMENTARY SCHOOL


Garfield Elementary School
61 m
1938
Imagery Date: 4/15/2013 lat 37.801841° lon -122.406994° elev 54 m eye alt 294 m
Google earth

Garfield Elementary School
Gray Buildings © 2008 Sanborn
19 m
1938
Imagery Date: 4/15/2013 lat 37.801892° lon -122.407209° elev 62 m eye alt 152 m
Google earth

428 Filbert Street
Exit Street View
N
GARFIELD ELEMENTARY SCHOOL
嘉 菲
公 立 小 學
ESCUELA ELEMENTARIA GARFIELD
TITLE I ACADEMIC ACHIEVEMENT AWARD
CALIFORNIA DEPARTMENT OF EDUCATION
SFFD
© 2013 Google
2 m
Report a problem
Google earth
lat 37.801830° lon -122.406650° elev 82 m eye alt 79 m

428 Filbert Street
Exit Street View
4 m
Report a problem
© 2013 Google
Google earth
lat 37.801819° lon -122.406724° elev 78 m eye alt 79 m

438 Filbert Street
Exit Street View
4 m
Report a problem
© 2013 Google
Google earth
lat 37.801797° lon -122.406870° elev 72 m eye alt 73 m

153 Telegraph Hill Boulevard
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.802175° lon -122.407358° elev 103 m eye alt 99 m

145 Telegraph Hill Boulevard
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.802061° lon -122.407318° elev 104 m eye alt 100 m

HERBERT HOOVER MIDDLE SCHOOL

Herbert Hoover Middle School
89 m
1938
Imagery Date: 4/15/2013 lat 37.745422° lon -122.469240° elev 158 m eye alt 559 m
Google earth

2285 14th Avenue
Exit Street View
© 2013 Google
Google earth
1 m
Report a problem
lat 37.745434° lon -122.470247° elev 199 m eye alt 197 m

2305 14th Avenue
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.745387° lon -122.469333° elev 211 m eye alt 191 m

Castenada Avenue
Exit Street View
© 2013 Google
1 m
Report a problem
Google earth
lat 37.745768° lon -122.467843° elev 213 m eye alt 214 m

Funston Avenue
Exit Street View
N
© 2013 Google
88 m
Report a problem
Google earth
lat 37.745049° lon -122.469342° elev 189 m eye alt 188 m

Funston Avenue
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.745420° lon -122.470191° elev 192 m eye alt 188 m

GUADALUPE ELEMENTARY SCHOOL

Guadalupe Elementary School
72 m
1938
Imagery Date: 4/15/2013 lat 37.709892° lon -122.434160° elev 99 m eye alt 488 m
Google earth

416 Cordova Street
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.710055° lon -122.434766° elev 100 m eye alt 131 m

430 Cordova Street
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.709779° lon -122.434634° elev 132 m eye alt 133 m

851 Prague Street
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.710358° lon -122.434202° elev 129 m eye alt 127 m

851 Prague Street
Exit Street View
N
© 2013 Google
Google earth
2 m
Report a problem
lat 37.710242° lon -122.434519° elev 129 m eye alt 127 m

139 Winding Way
Exit Street View
BUS STOP
© 2013 Google
Google earth
1 m
Report a problem
lat 37.710533° lon -122.434533° elev 127 m eye alt 129 m

SUNSET RIDGE ELEMENTARY SCHOOL (*OPTIONAL*)

Sunset Ridge Elementary (Pacifica)
190 m
1993
Imagery Date: 4/15/2013 lat 37.652431° lon -122.478674° elev 164 m eye alt 890 m
Google earth

334 Inverness Drive
Exit Street View
N
© 2013 Google
1 m
Report a problem
Google earth
lat 37.653164° lon -122.479086° elev 210 m eye alt 211 m

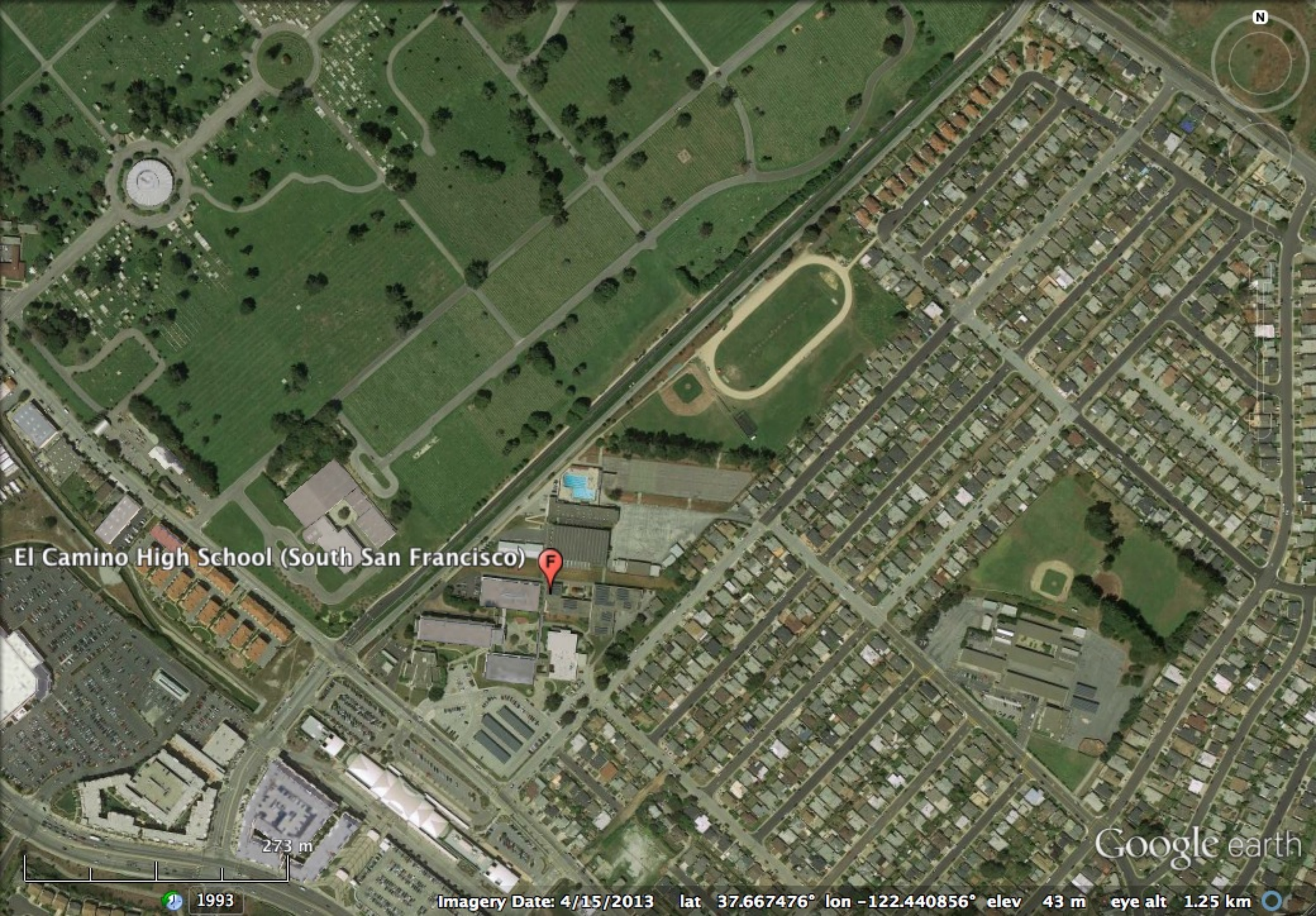
Horizon Way / Inverness Drive
Exit Street View
N
© 2013 Google
1 m
Report a problem
Google earth
lat 37.653524° lon -122.479898° elev 203 m eye alt 198 m

605 Hickey Boulevard
Exit Street View
N
© 2013 Google
1 m
Report a problem
Google earth
lat 37.654365° lon -122.479796° elev 145 m eye alt 191 m

326 Inverness Drive
Exit Street View
N
© 2013 Google
1 m
Report a problem
Google earth
lat 37.653132° lon -122.479569° elev 205 m eye alt 201 m

346 Inverness Drive
Exit Street View
© 2013 Google
1 m
Report a problem
Google earth
lat 37.652335° lon -122.478495° elev 223 m eye alt 227 m

EL CAMINO HIGH SCHOOL (*OPTIONAL*)


El Camino High School (South San Francisco)
F
N
273 m
Google earth
1993
Imagery Date: 4/15/2013 lat 37.667476° lon -122.440856° elev 43 m eye alt 1.25 km

El Camino High School (South San Francisco)
F
N
Image Landsat
Data CSUMB SFML, CA OPC
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
54 m
Google earth
2004
Imagery Date: 4/15/2013 lat 37.666816° lon -122.442571° elev 39 m eye alt 198 m

Lawndale Boulevard
Exit Street View
1 m
Report a problem
© 2013 Google
Google earth
lat 37.665968° lon -122.443732° elev 27 m eye alt 39 m

Mission Road
Exit Street View
© 2013 Google
2 m
Report a problem
Google earth
lat 37.665413° lon -122.443945° elev 31 m eye alt 32 m

Mission Road
Exit Street View
N
© 2011 Google
© 2011 Google
© 2013 Google
2 m
Report a problem
Google earth
lat 37.665997° lon -122.443224° elev 37 m eye alt 31 m

Baywood Avenue / Evergreen Drive
Exit Street View
N
© 2013 Google
3 m
Report a problem
Google earth
lat 37.666074° lon -122.441715° elev 42 m eye alt 38 m

258 Evergreen Drive
Exit Street View
© 2013 Google
1 m
Report a problem
Google earth
lat 37.665804° lon -122.440928° elev 42 m eye alt 45 m

Lawndale Boulevard
Exit Street View
© 2013 Google
1 m
Report a problem
Google earth
Imagery Date: 3/2011 lat 37.666823° lon -122.442710° elev 53 m eye alt 52 m