



U.S. DEPARTMENT OF THE INTERIOR
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**PRINCIPAL FACTS FOR GRAVITY DATA ALONG THE HAYWARD FAULT AND
VICINITY, SAN FRANCISCO BAY AREA, NORTHERN CALIFORNIA**

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INTRODUCTION

The U.S. Geological Survey (USGS) established over 940 gravity stations along the Hayward fault and vicinity (fig. 1). The Hayward fault, regarded as one of the most hazardous faults in northern California (Working Group on California Earthquake Probabilities, 1999), extends for about 90 km from Fremont in the southeast to San Pablo Bay in the northwest (fig. 1). The Hayward fault is predominantly a right-lateral strike-slip fault that forms the western boundary of the East Bay Hills. These data and associated physical property measurement (table 1) were collected as part of on-going studies to help determine the earthquake hazard potential of major faults within the San Francisco Bay region.

Gravity data (fig. 2) were collected between latitude 37°30' and 38°15' N and longitude 121°45' and 122°30' W. Gravity stations were located on the following 7.5 minute quadrangles: Newark, Niles, San Leandro, Hayward, Dublin, Oakland West, Oakland East, Las Trampas Ridge, Diablo, Richmond, Briones Valley, Walnut Creek, and Clayton. All data were ultimately tied to primary gravity base station *Menlo Park A*, located on the campus of the U.S. Geological Survey in Menlo Park, Calif. (latitude 37°27.34' N, longitude 122°10.18' W, observed gravity value 979944.27 mGal).

ACKNOWLEDGMENTS

We would like to thank the East Bay Regional Park District for allowing access to Lake Chabot, Garin, Tildon and other Regional Parks and to East Bay Municipal Utility District for allowing access to their roads.

GRAVITY AND PHYSICAL PROPERTY DATA

Gravity Data

All gravity data were reduced using standard gravity corrections, including: (a) the earth–tide correction, which corrects for tidal effects of the moon and sun; (b) instrument drift correction, which compensates for drift in the instrument's spring; (c) the latitude correction, which incorporates the variation of the Earth's gravity with latitude; (d) the free–air correction, which accounts for the variation in gravity due to elevation relative to sea–level; (e) the Bouguer correction, which corrects for the attraction of material between the station and sea–level; (f) the curvature correction, which corrects the Bouguer correction for the effect of the Earth's curvature; (g) the terrain correction, which removes the effect of topography to a radial distance

of 166.7 km; and (h) the isostatic correction, which removes long-wavelength variations in the gravity field inversely related to topography.

Conversion of LaCoste and Romberg gravity meter readings to milligals was made using factory supplied calibration constants and a secondary calibration factor determined from multiple gravity readings over the high-precision Mt. Hamilton calibration loop east of San Jose, Calif. (Barnes and others, 1969). Observed gravity values were based on a time-dependant linear drift between successive base readings and were referenced to the International Gravity Standardization Net 1971 (IGSN 71) gravity datum (Morelli, 1974, p. 18). Free-air gravity anomalies were calculated using the Geodetic Reference System 1967 formula for theoretical gravity on the ellipsoid (International Union of Geodesy and Geophysics, 1971, p. 60) and Swick's formula (1942, p. 65) for the free-air correction. Bouguer, curvature, and terrain corrections were added to the free-air correction to determine the complete Bouguer anomaly at a standard reduction density of 2.67 g/cm^3 . Finally, a regional isostatic gravity field was removed from the Bouguer field assuming an Airy-Heiskanen model for isostatic compensation of topographic loads (Jachens and Roberts, 1981) with an assumed crustal thickness of 25 km, a crustal density of 2.67 g/cm^3 , and a density contrast across the base of the model of 0.4 g/cm^3 . Gravity values are expressed in milligals (mGal), a unit of acceleration or gravitational force per mass equal to 10^{-5} m/s^2 .

Most station locations were obtained using a portable Global Positioning System (GPS) system and have a horizontal uncertainty of about 1 m (3 ft) or less. Most elevations were obtained using a differential GPS; Trimble Real Time Kinematic (RTK) Series 4400 GPS receivers. These measurements have a vertical uncertainty of 5–10 cm (2–4 in). Most stations were surveyed in real time with a 6-m (20 ft) radio antenna located at a base station.

Terrain corrections, which account for the variation of topography near a gravity station, were computed using a three-part process: the innermost or field terrain correction, inner-zone terrain correction, and outer-zone terrain correction. The innermost or field terrain correction was estimated in the field, using a system of tables and charts, and typically extends to a radial distance of 53 or 68 m, Hammer (1939) zone C or Hayford and Bowie (1912) zone B, respectively.

Inner-zone terrain corrections were styled after the Hayford and Bowie (1912) system that divide the terrain surrounding a gravity station into zones and equal area compartments. Average elevations for each compartment were computed from a detailed digital elevation model (DEM) derived from USGS 7.5' DEMs with a resolution of 30 m. Inner-zone terrain corrections typically extended to a radial distance of 0.59 km, Hayford and Bowie (1912) zone D. Terrain corrections were then calculated based on the average estimated elevation of each compartment (Spielman and Ponce, 1984).

Outer-zone terrain corrections, to a radial distance of 166.7 km, were computed using a DEM derived from USGS 1:250,000-scale topographic maps and an automated procedure (Plouff, 1966; Plouff, 1977; Godson and Plouff, 1988). Digital terrain corrections are calculated by computing the gravity effect of each grid cell using the distance and difference in elevation of each grid cell from the gravity station. Principal facts of the gravity data are shown in table 2.

Many stations were collected along profiles perpendicular to the Hayward fault and were designed to cross geologic and structural features and potential anomaly producing rock units that include, for examples mafic and ultramafic rocks along the fault. The remaining gravity stations were collected to fill in large voids in the existing gravity coverage.

Physical Property Data

Rock samples were routinely collected at gravity station locations, if an outcrop was nearby, and at other locations along the Hayward fault (fig. 3). Densities were measured in the laboratory using a precision electronic balance. Grain density, saturated bulk density, and dry bulk density were determined for each sample. Magnetic susceptibilities were measured using a Geophysica KT-5 susceptibility meter. These measurements are useful for gravity modeling and gravity inversion calculations. Physical property measurements of selected rock samples are shown in table 1.

Table 1. —Physical property measurements of selected rock samples
[DBD, dry bulk density; GD, grain density; SBD, saturated bulk density; Susc, susceptibility; Q, Koenigsberger ratio (ratio of remanent and induced magnetization)]

Rock type	No. of samples	GD g/cm ³	SBD g/cm ³	DBD g/cm ³	Susc 10 ⁻³ cgs	Q
Ophiolitic rocks						
Gabbro	17	2.91	2.88	2.86	2.02	0.1
Serpentinite	15	2.63	2.54	2.48	1.72	0.1
Quartz keratophyre	2	2.59	2.57	2.57	0.00	0.1
Volcanic rocks						
Basalt	11	2.74	2.67	2.62	0.33	---
Andesite	4	2.61	2.59	2.56	0.03	---
Sedimentary rocks						
Graywacke	6	2.62	2.58	2.55	0.04	---
Shale	5	2.57	2.53	2.50	0.01	---
Sandstone	21	2.56	2.44	2.35	0.06	---
Siltstone	5	2.57	2.40	2.29	0.01	---

ISOSTATIC GRAVITY ANOMALIES

In general, isostatic gravity anomalies (fig. 4) reflect lateral (horizontal) density variations in the middle to upper crust. Thus, gravity anomalies can be used to infer the subsurface structure of known or unknown geologic features. Gravity anomalies often reflect basement rocks, plutonic rocks, calderas, deep sedimentary basins, and linear geologic features such as faults. These geologic features often play an important role in deciphering geologic structure and their distribution is important in understanding the tectonic and geologic framework of the area.

Along the Hayward fault, a prominent gravity low west of San Leandro indicates the presence of an offshore sedimentary basin about 1.5 km thick. An isostatic gravity high over the city of San Leandro reflects a high density gabbroic body, the San Leandro gabbro, with an average saturated bulk density of 2.88 g/cm^3 (table 1). The Hayward fault itself is characterized by a steep gravity gradient that reflects a density contrast across the fault between Franciscan Complex rocks on the west and predominantly lower density Tertiary sedimentary and Great Valley sequence rocks on the east.

The diverse physical properties of lithologies that underlie this region are well suited to geophysical investigations. The contrast in density between pre-Cenozoic basement and overlying unconsolidated alluvium, for example, produces a distinctive pattern of gravity anomalies that can be used to determine subsurface geology and the depth of pre-Cenozoic basement.

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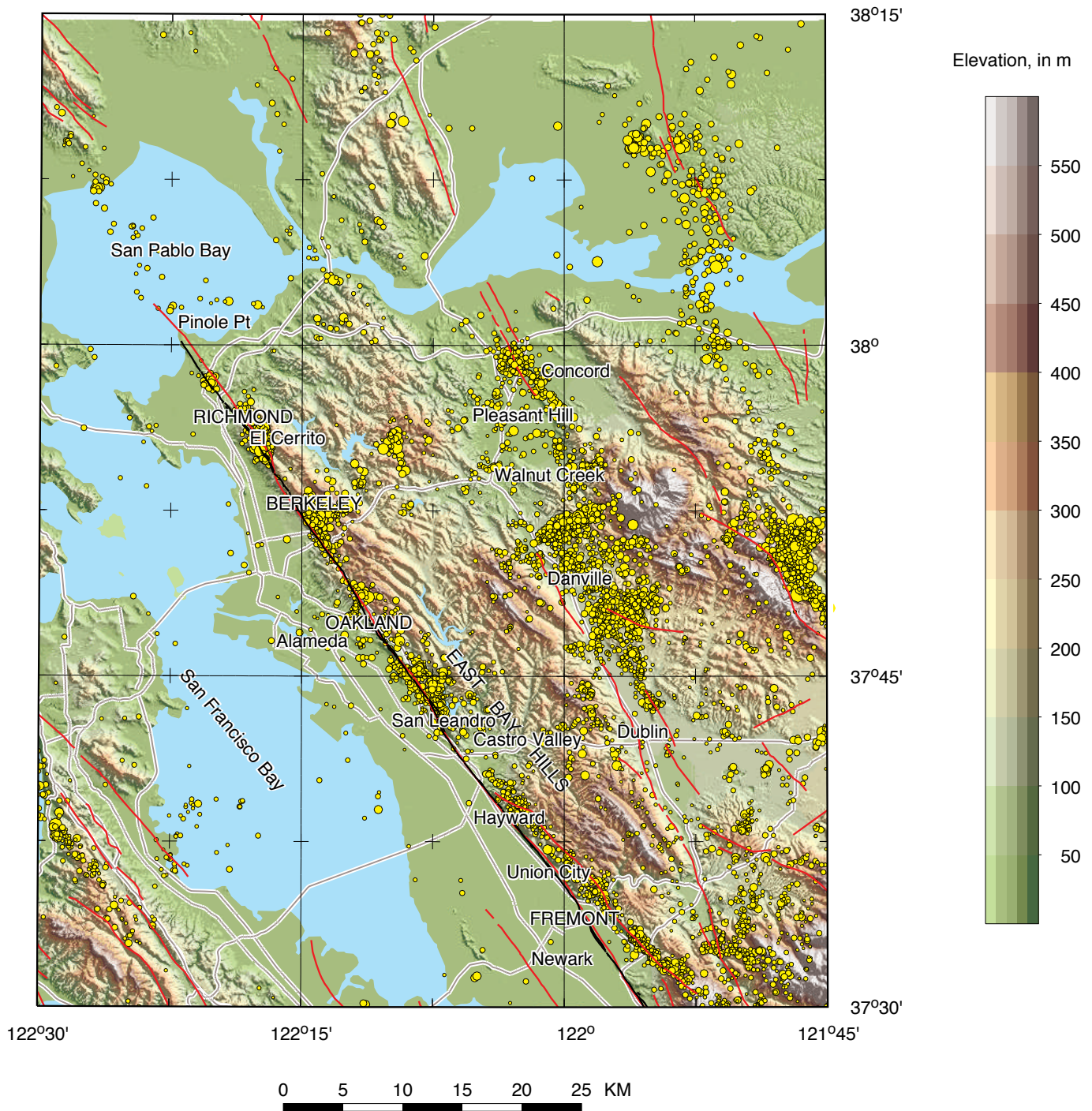


Figure 1. Index and topographic map of the Hayward fault and vicinity, San Francisco Bay area, Calif. Yellow circles, seismicity data from the U.S. Geological Survey's Northern California Seismic Net catalog from 1969 through September, 23, 1999, $M = 1.0$, P-wave arrivals ± 8 , R MS travel-time residual ± 0.3 s, horizontal error ± 2.5 km, and vertical error ± 5.0 km; Red lines; faults from Jennings and others (1977); Black line, recent trace of Hayward fault from Lienkaemper and others (1991); Gray lines, major roads and highways.

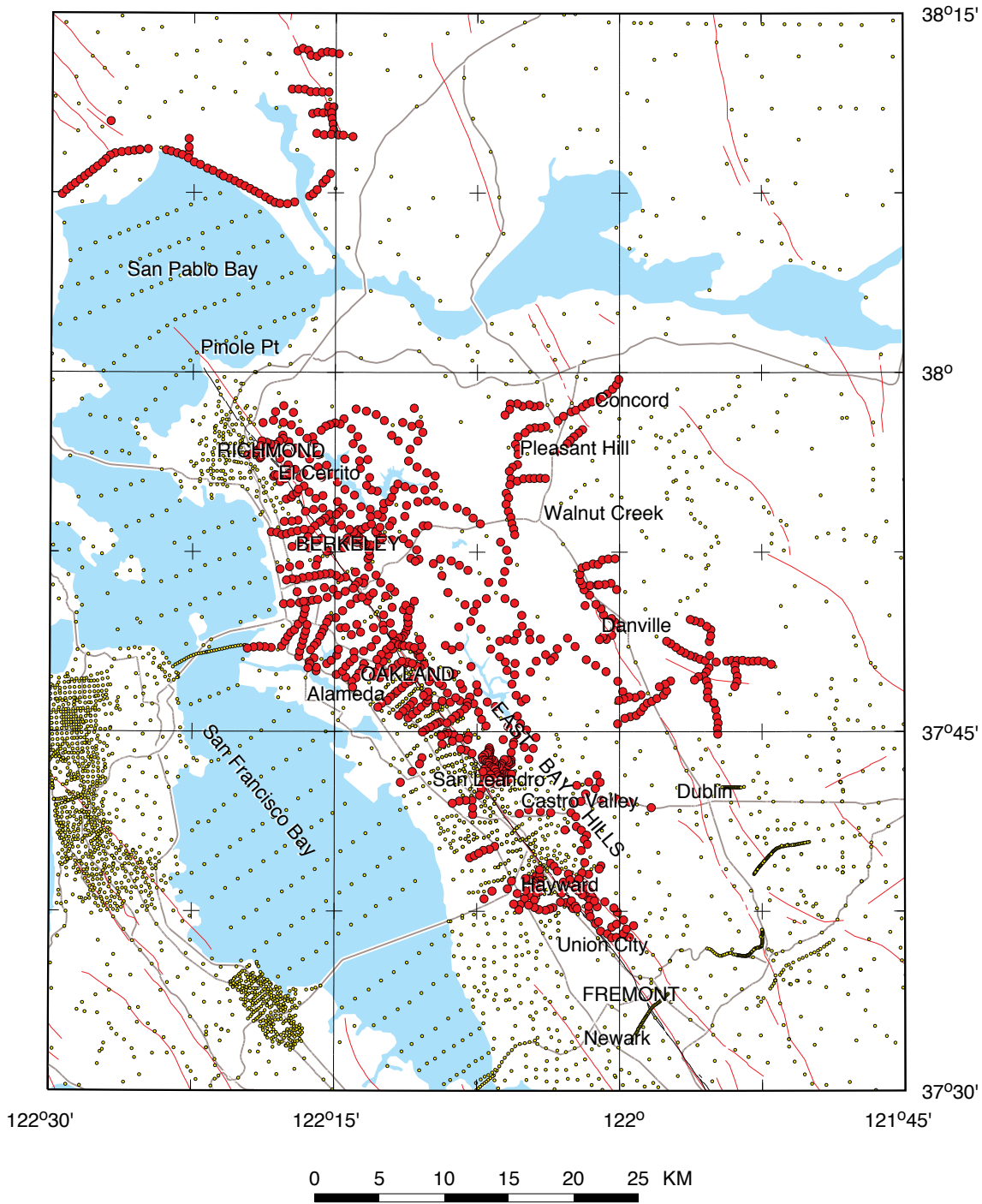


Figure 2. Gravity station locations. Red circles, stations described in this report; Yellow circles previous data. Explanation as in figure 1.

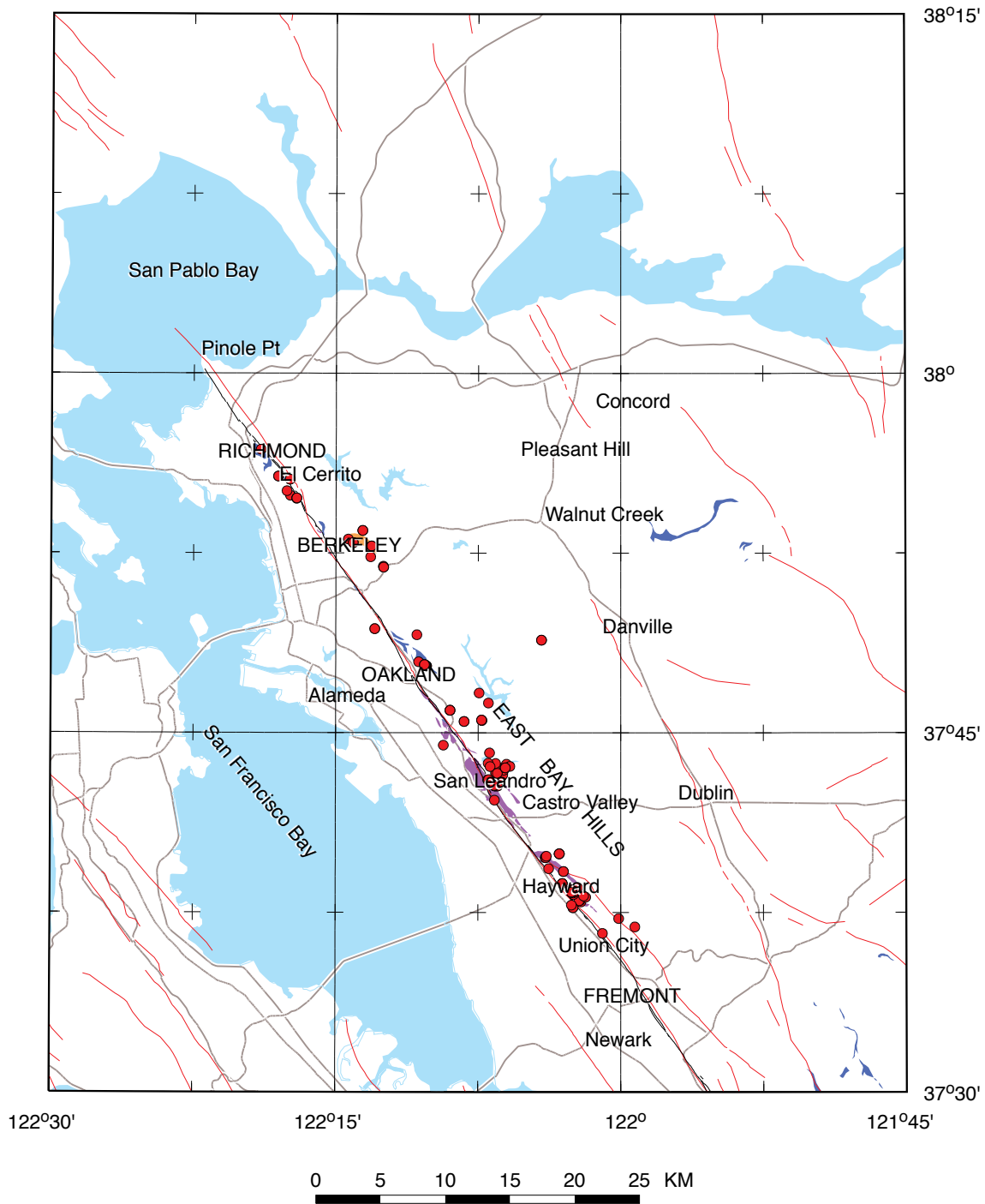


Figure 3. Rock sample locations. Explanation as in figure 1. Dark blue, serpentinite; Purple, gabbro; Orange, Bald Peak basalt.

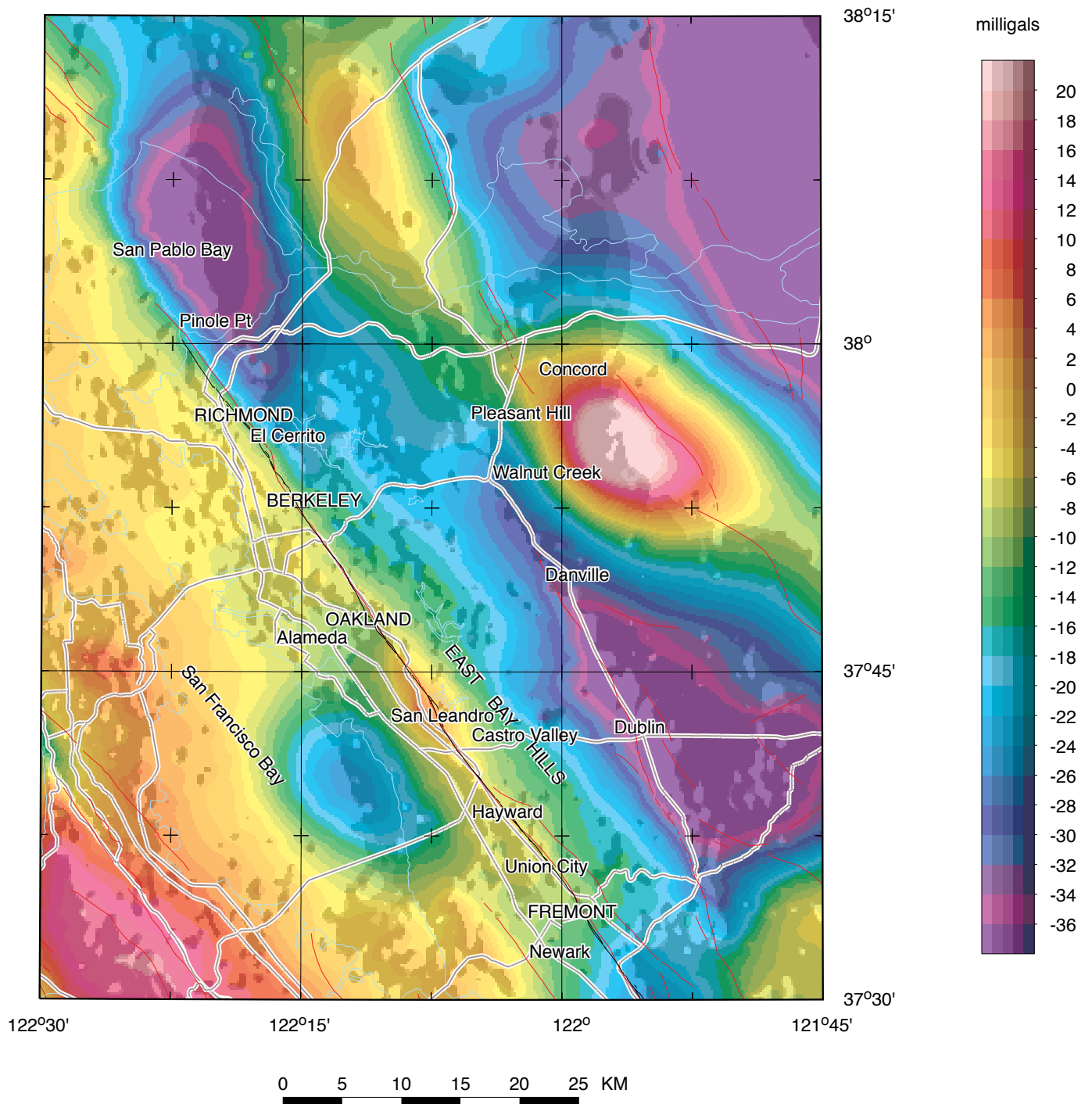


Figure 4. Isostatic gravity map of the Hayward fault and vicinity. Blue line, coastline. Explanation as in figure 1.

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity

[Latitudes and longitudes on the North American Datum 1927 (NAD27). CBA, complete Bouguer anomaly; Elev, elevation; FAA, free-air anomaly; ISO, isostatic anomaly; OG, observed gravity; SBA, simple Bouguer anomaly; TC, terrain correction.]

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98HAY001	37	44.87	122	8.71	323.00	979950.44	10.82	-0.19	0.41	1.38	1.04	0.26
98HAY002	37	44.73	122	8.42	408.00	979946.17	14.75	0.84	0.79	1.84	2.50	1.87
98HAY003	37	44.60	122	8.79	88.00	979966.34	5.01	2.01	0.09	1.25	3.23	2.36
98HAY004	37	44.48	122	9.33	47.00	979964.88	-0.13	-1.73	0.00	1.02	-0.73	-1.97
98HAY005	37	37.86	122	2.81	27.50	979948.03	-9.16	-10.10	0.05	1.71	-8.40	-6.47
98HAY006	37	37.70	122	2.51	49.50	979945.40	-9.49	-11.18	0.08	1.77	-9.43	-7.30
98HAY007	37	37.81	122	2.59	65.50	979945.21	-8.34	-10.57	0.10	1.77	-8.82	-6.74
98HAY008	37	37.94	122	2.53	123.00	979941.49	-6.84	-11.03	0.37	2.04	-9.04	-6.90
98HAY009	37	37.62	122	2.44	45.80	979946.10	-9.02	-10.58	0.07	1.75	-8.85	-6.69
98HAY010	37	37.72	122	2.32	111.00	979942.04	-7.09	-10.88	0.38	2.02	-8.90	-6.64
98HAY011	37	37.61	122	2.23	83.60	979944.08	-7.47	-10.32	0.47	2.18	-8.18	-5.87
98HAY012	37	38.95	122	4.40	49.60	979950.02	-6.68	-8.37	0.00	1.06	-7.33	-6.36
98HAY013	37	38.98	122	4.19	60.20	979949.58	-6.17	-8.22	0.00	1.10	-7.14	-6.02
98HAY014	37	38.78	122	4.18	56.30	979949.37	-6.45	-8.37	0.00	1.09	-7.31	-6.22
98HAY015	37	38.64	122	4.17	56.00	979949.13	-6.52	-8.43	0.00	1.08	-7.36	-6.28
98HAY016	37	38.69	122	4.39	43.00	979950.19	-6.75	-8.22	0.00	1.06	-7.17	-6.23
98HAY017	37	38.77	122	4.48	44.50	979950.18	-6.74	-8.26	0.00	1.05	-7.22	-6.33
98HAY018	37	38.82	122	4.67	41.60	979950.32	-6.95	-8.36	0.00	1.03	-7.35	-6.58
98HAY019	37	38.69	122	4.54	39.00	979950.51	-6.81	-8.14	0.00	1.04	-7.11	-6.28
98HAY020	37	38.57	122	4.55	37.10	979950.58	-6.74	-8.01	0.00	1.04	-6.99	-6.18
98HAY021	37	38.37	122	4.12	32.50	979949.99	-7.48	-8.58	0.00	1.13	-7.47	-6.40
98HAY022	37	38.31	122	4.23	28.40	979950.34	-7.42	-8.39	0.00	1.10	-7.30	-6.32
98HAY023	37	38.22	122	4.42	25.40	979950.40	-7.51	-8.38	0.00	1.06	-7.33	-6.49
98HAY024	37	38.47	122	4.56	34.00	979950.63	-6.84	-8.00	0.00	1.03	-6.98	-6.20
98HAY025	37	38.16	122	4.76	28.50	979950.03	-7.51	-8.48	0.00	1.01	-7.48	-6.86
98HAY026	37	38.03	122	4.99	28.90	979949.76	-7.55	-8.53	0.00	0.99	-7.56	-7.15
98HAY027	37	38.35	122	4.94	30.00	979950.20	-7.47	-8.49	0.00	1.01	-7.50	-6.99
98HAY028	37	38.87	122	4.94	46.90	979950.00	-6.84	-8.44	0.00	0.98	-7.48	-6.89
98HAY029	37	39.24	122	4.20	58.30	979950.49	-5.82	-7.81	0.02	1.19	-6.63	-5.47
98HAY030	37	37.88	122	3.10	17.80	979949.22	-8.91	-9.52	0.01	1.47	-8.06	-6.34
98HAY031	37	37.65	122	3.49	14.60	979949.01	-9.09	-9.59	0.00	1.21	-8.38	-6.97
98HAY032	37	37.60	122	3.67	13.40	979949.00	-9.14	-9.60	0.00	1.19	-8.41	-7.14
98HAY033	37	37.54	122	3.89	13.00	979949.05	-9.04	-9.48	0.00	1.13	-8.36	-7.26
98HAY034	37	37.57	122	4.24	15.70	979949.30	-8.58	-9.12	0.00	1.08	-8.04	-7.17
98HAY035	37	37.97	122	4.47	22.50	979949.70	-8.12	-8.89	0.00	1.05	-7.84	-7.06
98HAY036	37	37.66	122	4.47	17.20	979949.44	-8.43	-9.02	0.00	1.05	-7.97	-7.25
98HAY037	37	37.76	122	4.78	21.90	979949.31	-8.26	-9.01	0.00	1.01	-8.00	-7.47
98HAY038	37	37.78	122	5.22	24.40	979949.81	-7.56	-8.39	0.00	0.95	-7.44	-7.23
98HAY039	37	37.56	122	5.29	17.80	979949.70	-7.97	-8.58	0.00	0.95	-7.63	-7.51
98HAY040	37	37.80	122	5.56	25.80	979949.57	-7.70	-8.58	0.00	0.91	-7.67	-7.70
98HAY041	37	38.24	122	5.37	43.90	979948.72	-7.48	-8.98	0.00	0.91	-8.09	-7.92
98HAY042	37	38.44	122	5.89	42.30	979948.62	-8.03	-9.47	0.00	0.86	-8.62	-8.78
98HAY043	37	38.76	122	5.68	52.40	979949.07	-7.09	-8.88	0.00	0.88	-8.02	-7.97
98HAY044	37	38.34	122	6.70	38.00	979946.62	-10.28	-11.58	0.00	0.76	-10.83	-11.57
98HAY045	37	38.02	122	7.12	23.00	979943.26	-14.59	-15.37	0.00	0.73	-14.65	-15.74
98HAY046	37	40.90	122	2.87	590.00	979913.57	4.85	-15.27	0.61	1.91	-13.61	-11.30
98HAY047	37	43.18	122	6.26	226.70	979949.60	3.39	-4.34	0.77	1.87	-2.57	-2.09
98HAY048	37	43.25	122	6.20	226.70	979949.16	2.85	-4.89	0.54	1.64	-3.34	-2.82
98HAY049	37	43.35	122	6.18	228.70	979948.64	2.37	-5.43	0.56	1.69	-3.83	-3.27
98HAY050	37	43.44	122	6.15	226.70	979948.09	1.50	-6.23	0.65	1.80	-4.53	-3.94
98HAY051	37	43.54	122	6.07	228.70	979947.26	0.71	-7.09	0.49	1.69	-5.50	-4.84
98HAY052	37	43.69	122	6.01	226.70	979946.28	-0.68	-8.41	0.25	1.55	-6.95	-6.22
98HAY053	37	43.60	122	5.83	226.70	979944.76	-2.06	-9.80	1.13	2.38	-7.51	-6.68
98HAY054	37	43.68	122	5.70	228.70	979944.00	-2.75	-10.55	0.67	1.97	-8.68	-7.75
98HAY055	37	43.82	122	5.70	227.70	979943.02	-4.03	-11.80	1.22	2.66	-9.24	-8.29
98HAY056	37	43.75	122	5.76	231.70	979943.71	-2.86	-10.76	0.65	2.00	-8.86	-7.96

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98HAY057	37	43.74	122	5.84	227.70	979944.73	-2.20	-9.97	0.49	1.85	-8.22	-7.37
98HAY058	37	43.82	122	5.91	228.70	979944.50	-2.46	-10.26	0.94	2.35	-8.00	-7.19
98HAY059	37	43.84	122	6.06	230.70	979944.88	-1.92	-9.79	1.29	2.67	-7.21	-6.49
98HAY060	37	43.67	122	6.20	232.70	979947.17	0.81	-7.13	0.67	1.90	-5.32	-4.72
98HAY061	37	43.60	122	6.26	228.70	979948.41	1.77	-6.03	0.56	1.77	-4.35	-3.81
98HAY062	37	43.52	122	6.33	227.00	979949.36	2.68	-5.06	1.22	2.40	-2.76	-2.27
98HAY063	37	43.60	122	6.46	227.70	979949.38	2.65	-5.12	1.29	2.49	-2.72	-2.30
98HAY064	37	43.63	122	6.57	227.70	979950.25	3.48	-4.29	1.09	2.29	-2.09	-1.74
98HAY065	37	43.72	122	6.58	227.70	979949.64	2.73	-5.03	1.33	2.54	-2.59	-2.23
98HAY066	37	43.81	122	6.62	228.70	979949.36	2.42	-5.38	1.42	2.64	-2.84	-2.48
98HAY067	37	43.87	122	6.76	227.70	979950.35	3.23	-4.54	1.25	2.47	-2.16	-1.88
98HAY068	37	43.83	122	6.86	228.70	979951.98	5.01	-2.79	0.67	1.86	-1.03	-0.83
98HAY069	37	43.92	122	6.95	227.70	979952.03	4.83	-2.93	0.49	1.67	-1.36	-1.19
98HAY070	37	44.02	122	6.93	227.70	979951.22	3.88	-3.89	0.32	1.54	-2.45	-2.25
98HAY071	37	44.02	122	6.86	227.20	979950.54	3.15	-4.60	0.46	1.71	-2.99	-2.75
98HAY072	37	44.12	122	6.83	228.20	979949.49	2.05	-5.73	0.74	2.04	-3.79	-3.51
98HAY073	37	44.22	122	6.81	227.70	979948.52	0.89	-6.88	0.93	2.28	-4.69	-4.38
98HAY074	37	44.33	122	6.85	228.70	979948.30	0.60	-7.20	0.71	2.11	-5.18	-4.87
98HAY075	37	44.24	122	6.87	227.70	979950.15	2.49	-5.28	0.98	2.32	-3.06	-2.79
98HAY076	37	44.16	122	6.90	228.70	979949.91	2.46	-5.34	0.37	1.65	-3.78	-3.54
98HAY077	37	44.10	122	6.96	227.20	979950.83	3.32	-4.43	0.25	1.49	-3.03	-2.84
98HAY078	37	44.03	122	7.10	228.20	979952.35	5.04	-2.74	0.41	1.57	-1.27	-1.18
98HAY079	37	43.94	122	7.22	227.70	979954.00	6.77	-0.99	0.35	1.45	0.37	0.37
98HAY080	37	43.82	122	7.18	227.20	979954.37	7.27	-0.48	0.33	1.43	0.86	0.86
98HAY081	37	43.81	122	7.07	227.70	979953.57	6.53	-1.23	0.64	1.77	0.44	0.51
98HAY082	37	43.73	122	6.97	227.70	979953.16	6.24	-1.53	1.10	2.24	0.62	0.73
98HAY083	37	43.70	122	6.88	227.20	979953.04	6.12	-1.63	0.47	1.64	-0.09	0.08
98HAY084	37	43.59	122	6.87	227.20	979952.73	5.97	-1.78	1.70	2.86	0.98	1.14
98HAY085	37	43.53	122	6.75	227.70	979952.44	5.81	-1.95	1.43	2.61	0.56	0.78
98HAY086	37	43.50	122	6.63	227.20	979952.03	5.40	-2.35	0.50	1.68	-0.77	-0.48
98HAY087	37	43.45	122	6.55	227.70	979951.48	4.97	-2.80	0.41	1.58	-1.31	-0.97
98HAY088	37	43.31	122	6.49	227.70	979950.99	4.68	-3.08	1.84	2.97	-0.20	0.15
98HAY089	37	43.20	122	6.43	227.20	979951.21	5.02	-2.73	1.08	2.18	-0.65	-0.28
98HAY090	37	43.12	122	6.36	227.70	979950.42	4.39	-3.38	0.94	2.02	-1.45	-1.05
98HAY091	37	43.06	122	6.21	226.70	979949.93	3.89	-3.84	0.45	1.52	-2.42	-1.94
98HAY092	37	44.30	122	4.54	261.00	979933.59	-11.03	-19.93	1.02	2.73	-17.31	-15.53
98HAY093	37	44.89	122	5.42	655.00	979913.99	5.57	-16.77	0.42	1.47	-15.57	-14.30
98HAY094	37	44.89	122	5.43	656.00	979913.92	5.59	-16.78	0.43	1.49	-15.57	-14.30
98HAY095	37	43.86	122	4.77	265.00	979936.45	-7.15	-16.19	0.57	1.96	-14.34	-12.77
98HAY096	37	44.35	122	5.00	425.00	979926.68	-2.59	-17.08	0.88	1.97	-15.29	-13.80
98HAY097	37	45.21	122	5.87	821.00	979903.84	10.56	-17.44	1.35	2.72	-15.05	-14.02
98HAY098	37	44.56	122	5.56	910.00	979897.88	13.92	-17.11	0.58	2.52	-14.97	-13.86
98HAY099	37	44.67	122	6.12	750.00	979910.08	10.91	-14.66	0.34	1.66	-13.32	-12.53
98HAY100	37	44.14	122	5.70	680.00	979915.34	10.36	-12.83	0.35	1.56	-11.55	-10.59
98HAY101	37	46.05	122	6.53	905.00	979898.59	11.99	-18.88	1.03	2.72	-16.53	-15.77
98HAY102	37	46.24	122	6.96	750.00	979912.93	11.47	-14.11	0.48	1.58	-12.84	-12.30
98HAY103	37	46.66	122	7.45	630.00	979918.85	5.49	-15.99	0.37	1.36	-14.90	-14.57
98HAY104	37	43.26	122	5.90	555.30	979926.09	10.67	-8.27	0.59	1.67	-6.84	-6.15
98HAY105	37	43.24	122	5.80	555.00	979925.71	10.29	-8.64	0.30	1.38	-7.50	-6.76
98HAY106	37	43.23	122	5.68	513.00	979928.09	8.73	-8.76	0.06	1.03	-7.95	-7.13
98HAY107	37	43.02	122	5.81	427.90	979934.64	7.59	-7.01	0.21	1.06	-6.12	-5.40
98HAY108	37	42.89	122	6.08	288.20	979945.54	5.54	-4.29	0.24	1.14	-3.27	-2.74
98HAY109	37	42.90	122	6.25	334.40	979943.89	8.22	-3.19	0.29	1.16	-2.17	-1.75
98HAY110	37	42.80	122	6.46	423.50	979939.93	12.78	-1.66	0.38	1.32	-0.52	-0.25
98HAY111	37	42.83	122	6.78	461.70	979939.00	15.40	-0.34	0.55	1.63	1.09	1.13
98HAY112	37	42.92	122	6.91	409.70	979943.48	14.86	0.89	0.51	1.49	2.20	2.18
98HAY113	37	43.09	122	7.12	327.20	979949.98	13.35	2.19	0.66	1.58	3.64	3.53
98HAY114	37	42.76	122	7.21	158.60	979961.00	9.00	3.59	0.17	1.23	4.75	4.53
98HAY115	37	42.59	122	7.26	78.70	979965.10	5.83	3.14	0.12	1.24	4.35	4.07
98HAY116	37	42.35	122	7.36	32.90	979964.97	1.74	0.62	0.01	1.09	1.70	1.30
98HAY117	37	42.13	122	7.76	33.80	979961.55	-1.27	-2.43	0.00	0.93	-1.51	-2.21

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98HAY118	37	42.13	122	8.09	34.80	979960.00	-2.73	-3.92	0.00	0.86	-3.06	-3.97
98HAY119	37	42.10	122	8.43	36.00	979957.80	-4.77	-6.00	0.00	0.82	-5.20	-6.36
98HAY120	37	42.01	122	8.79	25.70	979956.31	-7.10	-7.98	0.00	0.77	-7.21	-8.62
98HAY121	37	41.54	122	7.72	32.00	979956.47	-5.66	-6.75	0.00	0.85	-5.91	-6.70
98HAY122	37	41.82	122	7.72	25.50	979958.80	-4.35	-5.22	0.00	0.90	-4.33	-5.07
98HAY123	37	44.22	122	8.06	133.40	979961.73	5.23	0.68	0.89	2.08	2.71	2.24
98HAY124	37	44.09	122	7.76	278.80	979951.98	9.34	-0.17	1.18	2.15	1.86	1.55
98HAY125	37	44.26	122	8.35	109.50	979965.60	6.79	3.05	0.12	1.28	4.29	3.63
98HAY201	37	43.45	122	7.10	807.90	979914.38	22.44	-5.11	1.73	4.45	-1.00	-1.07
98HAY202	37	43.35	122	6.99	726.00	979921.31	21.81	-2.95	0.80	2.93	-0.32	-0.32
98HAY203	37	43.20	122	6.79	686.70	979923.31	20.34	-3.09	0.79	2.62	-0.75	-0.65
98HAY204	37	43.05	122	6.68	639.90	979926.45	19.29	-2.53	0.47	2.10	-0.70	-0.55
98HAY205	37	43.33	122	7.17	575.90	979933.23	19.64	0.00	0.64	2.06	1.82	1.70
98HAY206	37	43.05	122	6.95	429.40	979942.66	15.70	1.06	0.62	1.62	2.49	2.47
98HAY207	37	41.58	122	5.27	166.50	979948.13	-1.41	-7.09	0.04	0.85	-6.30	-5.46
98HAY208	37	41.74	122	4.78	182.10	979944.81	-3.50	-9.71	0.01	0.83	-8.96	-7.76
98HAY209	37	41.67	122	4.16	174.80	979942.48	-6.41	-12.37	0.00	0.86	-11.59	-10.00
98HAY210	37	41.62	122	3.62	227.70	979937.79	-6.05	-13.82	0.05	0.93	-12.99	-11.06
98HAY211	37	42.06	122	2.33	358.10	979924.82	-7.40	-19.61	0.56	1.58	-18.18	-15.32
98HAY212	37	42.40	122	1.78	428.20	979918.63	-7.49	-22.10	0.54	1.58	-20.69	-17.44
98HAY213	37	42.90	122	1.62	732.30	979895.90	-2.35	-27.32	0.17	1.27	-26.36	-22.97
98HAY214	37	43.19	122	1.18	903.90	979881.28	-1.25	-32.08	0.41	1.80	-30.65	-26.97
98HAY215	37	42.63	122	1.27	799.60	979891.92	0.40	-26.88	0.78	2.04	-25.17	-21.60
98HAY216	37	42.89	122	1.02	720.00	979888.12	-11.27	-35.83	0.62	1.63	-34.50	-30.74
98HAY217	37	42.76	122	2.25	572.00	979910.32	-2.80	-22.31	0.66	1.60	-20.95	-17.98
98HAY218	37	42.09	122	2.03	300.00	979926.33	-11.40	-21.63	0.84	2.13	-19.62	-16.54
98HAY219	37	42.14	122	0.95	445.30	979915.97	-8.16	-23.35	0.80	1.95	-21.59	-17.84
98HAY220	37	42.19	122	0.15	548.80	979907.03	-7.44	-26.16	0.65	1.83	-24.56	-20.29
98HAY221	37	42.06	121	59.46	636.40	979898.71	-7.33	-29.04	0.55	1.78	-27.53	-22.85
98HAY222	37	41.83	121	58.33	748.70	979886.11	-9.04	-34.57	0.33	1.39	-33.49	-28.13
98HAY223	37	38.26	122	3.04	178.90	979940.39	-3.14	-9.25	0.32	1.57	-7.75	-5.94
98HAY224	37	41.62	122	2.55	349.70	979926.68	-5.69	-17.61	0.34	1.38	-16.38	-13.73
98HAY225	37	41.45	122	2.30	464.70	979919.08	-2.22	-18.07	0.19	1.22	-17.05	-14.26
98HAY226	37	41.04	122	2.27	551.40	979913.98	1.43	-17.38	0.21	1.27	-16.33	-13.60
98HAY227	37	40.89	122	2.01	666.90	979906.33	4.86	-17.88	0.24	1.39	-16.77	-13.88
98HAY228	37	40.68	122	1.73	806.20	979896.70	8.64	-18.86	0.29	1.65	-17.54	-14.50
98HAY229	37	40.50	122	1.85	898.70	979891.19	12.09	-18.56	0.30	2.01	-16.92	-13.99
98HAY230	37	40.30	122	1.69	948.00	979887.68	13.51	-18.82	0.40	2.14	-17.07	-14.07
98HAY231	37	40.04	122	2.02	770.60	979899.96	9.48	-16.80	0.49	1.81	-15.31	-12.56
98HAY232	37	39.53	122	1.83	937.60	979889.20	15.17	-16.80	0.73	2.41	-14.77	-11.98
98HAY233	37	39.40	122	0.98	1193.60	979871.25	21.49	-19.22	0.26	2.52	-17.18	-13.85
98HAY234	37	39.27	122	1.07	1192.30	979871.75	22.06	-18.61	0.14	2.49	-16.60	-13.34
98HAY235	37	39.05	122	1.63	963.30	979888.16	17.25	-15.60	0.38	2.21	-13.79	-10.93
98HAY236	37	39.10	122	1.98	771.20	979901.04	11.99	-14.31	0.45	1.87	-12.76	-10.11
98HAY237	37	38.85	122	2.14	564.40	979914.11	5.97	-13.27	0.42	1.78	-11.73	-9.21
98HAY238	37	39.06	122	2.69	745.40	979904.07	12.65	-12.77	0.61	2.31	-10.77	-8.63
98HAY239	37	39.51	122	3.63	452.60	979925.44	5.83	-9.61	0.13	1.23	-8.57	-7.00
98HAY240	37	39.38	122	3.44	477.50	979923.61	6.53	-9.76	0.23	1.37	-8.59	-6.91
98HAY241	37	39.18	122	3.27	483.20	979922.48	6.23	-10.25	0.44	1.62	-8.84	-7.08
98HAY242	37	47.85	122	11.24	466.80	979937.58	7.14	-8.78	0.11	1.65	-7.33	-9.07
98HAY243	37	47.82	122	11.67	292.50	979947.83	1.04	-8.94	0.13	1.52	-7.54	-9.53
98HAY244	37	47.65	122	11.96	219.80	979951.49	-1.89	-9.39	0.02	1.21	-8.27	-10.47
98HAY245	37	47.45	122	12.28	166.80	979954.60	-3.48	-9.16	0.01	1.03	-8.20	-10.64
98HAY246	37	47.25	122	12.62	129.70	979956.83	-4.44	-8.87	0.01	0.94	-7.98	-10.66
98HAY247	37	47.32	122	12.96	132.60	979957.82	-3.28	-7.80	0.02	0.94	-6.92	-9.80
98HAY248	37	47.50	122	12.83	149.90	979956.74	-3.00	-8.11	0.01	0.97	-7.20	-9.95
98HAY249	37	47.74	122	12.64	174.20	979955.75	-2.05	-7.99	0.02	1.05	-7.01	-9.60
98HAY250	37	47.93	122	12.44	231.50	979952.75	0.06	-7.84	0.04	1.17	-6.76	-9.20
98HAY251	37	48.20	122	12.17	312.00	979949.04	3.53	-7.11	0.12	1.47	-5.77	-7.99
98HAY252	37	48.45	122	11.94	596.30	979931.69	12.55	-7.78	0.55	2.14	-5.89	-7.93
98HAY253	37	48.43	122	12.28	363.80	979947.51	6.53	-5.87	0.15	1.52	-4.50	-6.74

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98HAY254	37	48.22	122	12.55	273.40	979952.88	3.71	-5.62	0.06	1.25	-4.49	-6.93
98HAY255	37	48.01	122	12.77	213.90	979954.59	0.13	-7.17	0.05	1.13	-6.13	-8.75
98HAY256	37	38.48	122	2.07	948.00	979888.74	17.22	-15.11	0.94	3.56	-11.93	-9.44
98HAY257	37	38.36	122	2.02	848.00	979895.62	14.87	-14.05	0.41	2.54	-11.86	-9.34
98HAY258	37	38.52	122	1.81	691.20	979905.17	9.44	-14.13	0.63	2.02	-12.40	-9.71
98HAY259	37	38.43	122	1.76	749.10	979901.70	11.55	-14.00	0.21	1.72	-12.59	-9.87
98HAY260	37	38.29	122	1.54	604.90	979909.97	6.46	-14.17	0.89	2.29	-12.13	-9.27
98HAY261	37	38.10	122	1.69	564.20	979912.86	5.80	-13.44	0.58	1.95	-11.73	-8.98
98HAY262	37	38.19	122	1.95	684.40	979905.86	9.97	-13.37	0.55	2.13	-11.53	-8.96
98HAY263	37	38.35	122	2.16	709.40	979904.64	10.87	-13.32	0.48	2.13	-11.48	-9.05
98HAY264	37	38.47	122	2.37	749.40	979902.63	12.45	-13.11	0.25	2.16	-11.26	-8.98
98HAY265	37	38.67	122	2.56	649.30	979909.61	9.72	-12.42	0.59	2.09	-10.60	-8.42
98HAY266	37	38.69	122	2.71	570.20	979915.20	7.84	-11.60	0.48	1.85	-10.00	-7.92
98HAY267	37	38.72	122	2.95	475.10	979921.93	5.59	-10.62	0.63	1.87	-8.95	-7.03
98HAY268	37	38.82	122	2.60	495.30	979922.44	7.85	-9.04	0.55	1.81	-7.44	-5.25
98HAY269	37	38.10	122	1.45	415.90	979920.92	-0.09	-14.27	1.01	2.75	-11.70	-8.78
98HAY270	37	37.96	122	1.55	380.40	979923.93	-0.21	-13.19	0.67	2.31	-11.04	-8.20
98HAY271	37	37.48	122	1.61	341.00	979927.94	0.79	-10.84	0.27	1.63	-9.36	-6.64
98HAY272	37	37.28	122	1.54	439.60	979921.49	3.90	-11.09	0.50	1.82	-9.45	-6.71
98HAY273	37	36.99	122	1.26	413.40	979921.80	2.17	-11.93	0.70	2.03	-10.07	-7.17
98HAY274	37	36.67	122	0.99	157.60	979937.15	-6.07	-11.45	0.37	1.94	-9.57	-6.49
98HAY275	37	36.56	122	0.64	201.70	979932.26	-6.65	-13.53	0.44	2.08	-11.54	-8.22
98HAY276	37	36.39	122	0.41	209.60	979930.78	-7.14	-14.29	0.41	2.03	-12.34	-8.88
98HAY277	37	36.41	122	0.17	237.40	979925.97	-9.37	-17.46	0.82	2.63	-14.93	-11.27
98HAY278	37	36.41	121	59.48	408.70	979912.98	-6.24	-20.18	1.24	3.34	-17.02	-12.86
98HAY279	37	36.57	121	59.80	576.50	979903.63	-0.04	-19.71	0.94	2.55	-17.40	-13.49
98HAY280	37	36.76	121	59.64	858.80	979886.21	8.81	-20.48	1.24	3.26	-17.58	-13.55
98HAY281	37	36.90	121	59.26	1075.10	979872.55	15.29	-21.38	1.16	3.60	-18.22	-13.92
98HAY282	37	36.84	122	0.41	388.90	979916.72	-4.99	-18.26	1.75	3.49	-14.93	-11.42
98HAY283	37	36.96	122	0.16	696.90	979898.62	5.70	-18.07	0.53	2.30	-16.05	-12.36
98HAY284	37	37.14	121	59.79	1004.80	979878.11	13.89	-20.38	1.36	3.64	-17.15	-13.21
98HAY285	37	37.46	122	0.12	1132.20	979872.45	19.74	-18.87	0.18	2.91	-16.42	-12.70
98HAY286	37	37.64	122	0.30	1164.00	979870.75	20.77	-18.93	0.44	3.32	-16.08	-12.47
98HAY287	37	37.90	122	0.77	937.40	979886.89	15.22	-16.75	0.67	2.71	-14.43	-11.10
98HAY288	37	37.69	122	1.18	658.90	979905.89	8.33	-14.14	0.52	2.07	-12.34	-9.30
98HAY289	37	37.07	122	1.11	210.40	979934.12	-4.72	-11.89	0.79	2.58	-9.40	-6.36
98HAY290	37	37.93	122	1.32	679.90	979904.48	8.55	-14.64	0.73	2.23	-12.69	-9.73
98HAY291	37	37.71	122	1.63	343.40	979928.05	0.79	-10.92	0.36	1.86	-9.21	-6.46
98dp1	37	45.24	122	7.03	609.40	979923.15	9.93	-10.85	0.29	1.28	-9.83	-9.50
98dp2	37	45.82	122	7.42	851.60	979907.67	16.38	-12.66	0.71	2.40	-10.62	-10.46
98dp3	37	46.45	122	7.88	931.00	979903.61	18.87	-12.88	0.50	2.41	-10.85	-10.84
98dp4	37	46.17	122	7.68	832.80	979909.96	16.39	-12.01	0.42	1.95	-10.40	-10.33
98dp5	37	45.51	122	7.26	742.70	979915.01	13.93	-11.40	0.41	1.70	-10.01	-9.79
98dp6	37	46.79	122	8.26	940.60	979904.32	19.99	-12.09	0.21	2.05	-10.43	-10.60
98dp7	37	47.00	122	8.39	1045.00	979897.54	22.72	-12.92	0.30	2.56	-10.79	-11.02
98dp8	37	47.39	122	8.79	1175.00	979889.81	26.65	-13.43	0.23	3.07	-10.83	-11.24
98dp12	37	46.66	122	7.45	670.00	979918.77	9.18	-13.67	0.37	1.37	-12.58	-12.25
98dp13	37	47.72	122	7.82	686.80	979915.61	6.05	-17.37	0.96	1.97	-15.69	-15.42
98dp15	37	49.37	122	8.47	543.50	979925.44	-0.01	-18.54	0.56	1.65	-17.12	-16.96
98dp16	37	49.61	122	7.84	469.00	979931.87	-0.93	-16.93	0.17	1.28	-15.84	-15.27
98dp17	37	50.03	122	7.68	485.10	979930.56	-1.34	-17.89	0.05	1.10	-16.99	-16.30
98dp18	37	50.33	122	7.52	511.90	979928.55	-1.27	-18.73	0.05	1.05	-17.89	-17.07
98dp19	37	44.46	122	5.59	839.40	979903.27	12.82	-15.81	0.23	1.87	-14.29	-13.21
98dp20	37	46.96	122	7.52	568.20	979923.73	4.12	-15.25	0.88	1.94	-13.56	-13.21
98dp22	37	48.60	122	9.17	620.90	979923.26	6.22	-14.96	1.30	2.75	-12.47	-12.86
98dp23	37	48.42	122	8.83	582.50	979925.00	4.61	-15.26	0.87	2.19	-13.32	-13.52
98dp24	37	50.56	122	7.02	567.40	979923.57	-1.37	-20.72	0.13	1.08	-19.87	-18.76
98dp25	37	50.56	122	6.03	627.60	979918.40	-0.87	-22.28	0.56	1.65	-20.89	-19.26
98dp26	37	49.86	122	5.15	814.20	979903.60	2.90	-24.87	0.33	1.80	-23.40	-21.37
98dp27	37	50.37	122	5.53	732.90	979909.66	0.57	-24.43	0.12	1.36	-23.37	-21.49
98dp28	37	49.29	122	7.29	523.70	979927.75	0.56	-17.30	0.08	1.12	-16.41	-15.60

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98dp29	37	48.45	122	6.79	530.40	979925.72	0.38	-17.71	0.25	1.41	-16.51	-15.52
98dp30	37	48.78	122	6.30	600.80	979920.67	1.47	-19.02	0.62	1.84	-17.42	-16.11
98dp31	37	50.30	122	8.14	498.20	979930.62	-0.44	-17.44	0.08	1.13	-16.51	-16.04
98dp32	37	50.81	122	9.04	573.80	979927.65	2.95	-16.62	0.12	1.28	-15.57	-15.55
98dp33	37	51.52	122	9.36	735.70	979917.59	7.08	-18.01	0.20	1.25	-17.07	-17.14
98dp35	37	50.16	122	11.02	1230.90	979886.84	24.89	-17.09	0.72	3.01	-14.57	-15.81
98dp36	37	50.09	122	11.38	928.40	979907.67	17.37	-14.29	1.00	2.62	-12.05	-13.48
98dp37	37	49.87	122	12.43	920.90	979910.45	19.77	-11.64	0.94	2.85	-9.17	-11.25
98dp38	37	49.45	122	12.46	573.90	979933.83	11.13	-8.45	0.27	1.78	-6.91	-9.07
98dp39	37	49.53	122	12.07	665.60	979927.18	12.98	-9.72	0.74	2.50	-7.50	-9.41
98dp40	37	50.19	122	11.98	1256.80	979886.92	27.36	-15.50	1.10	4.04	-11.97	-13.74
98dp41	37	50.28	122	11.26	1356.50	979877.18	26.87	-19.40	1.64	4.62	-15.32	-16.68
98dp42	37	50.84	122	11.84	1391.90	979876.42	28.62	-18.85	0.65	3.82	-15.58	-17.18
98dp43	37	50.66	122	12.32	1014.10	979901.79	18.72	-15.87	1.39	3.24	-13.04	-14.91
98dp44	37	51.01	122	12.08	1460.70	979871.20	29.62	-20.20	1.43	5.20	-15.57	-17.28
98dp45	37	51.22	122	12.59	1370.00	979878.26	27.84	-18.88	1.37	4.93	-14.49	-16.44
98dp46	37	51.53	122	12.83	1370.50	979877.43	26.61	-20.13	2.04	5.54	-15.14	-17.16
98dp47	37	51.87	122	13.22	1389.00	979878.13	28.55	-18.82	0.97	4.72	-14.65	-16.84
98dp48	37	52.22	122	13.26	1134.50	979896.86	22.84	-15.86	1.09	3.38	-12.93	-15.04
98dp49	37	51.66	122	13.91	973.10	979909.00	20.62	-12.57	1.31	3.74	-9.23	-11.79
98dp50	37	51.40	122	13.44	1100.50	979899.53	23.51	-14.03	1.37	4.10	-10.37	-12.74
98dp51	37	51.20	122	13.49	957.50	979909.98	20.80	-11.86	0.99	3.27	-8.98	-11.39
98dp52	37	51.26	122	13.75	726.30	979925.82	14.81	-9.96	0.77	2.53	-7.73	-10.25
98dp53	37	51.12	122	13.92	556.00	979937.54	10.71	-8.25	0.79	2.39	-6.09	-8.73
98dp54	37	50.45	122	13.29	476.40	979941.54	8.21	-8.04	0.35	1.93	-6.31	-8.73
98dp55	37	50.67	122	13.16	575.00	979934.04	9.66	-9.95	0.96	2.60	-7.59	-9.89
98dp56	37	50.79	122	12.98	855.40	979914.91	16.73	-12.45	0.80	2.54	-10.26	-12.46
98dp57	37	52.34	122	13.17	1495.00	979873.00	32.70	-18.28	1.82	5.80	-13.07	-15.13
98dp58	37	52.54	122	13.20	1590.50	979867.31	35.70	-18.54	0.61	5.25	-13.92	-15.98
98dp60	37	52.20	122	10.57	511.00	979932.60	-0.03	-17.46	0.39	1.89	-15.79	-16.41
98dp61	37	52.59	122	10.69	494.30	979933.89	-0.89	-17.74	0.23	1.61	-16.34	-16.95
98dp62	37	52.85	122	11.10	466.00	979936.40	-1.42	-17.31	0.18	1.74	-15.77	-16.57
98dp63	37	53.30	122	10.76	790.00	979914.00	6.00	-20.94	0.54	1.71	-19.56	-20.14
98dp64	37	53.60	122	10.35	692.70	979918.44	0.85	-22.78	0.25	1.22	-21.85	-22.19
98dp65	37	53.60	122	10.10	675.20	979918.97	-0.27	-23.29	0.20	1.17	-22.41	-22.61
98dp67	37	53.06	122	11.40	422.20	979939.39	-2.85	-17.25	0.28	2.11	-15.32	-16.25
98dp68	37	53.79	122	11.98	497.20	979935.71	-0.55	-17.50	0.27	1.54	-16.17	-17.31
98dp69	37	53.59	122	12.13	385.50	979942.51	-3.96	-17.11	0.16	2.14	-15.13	-16.36
98dp70	37	53.99	122	11.32	520.30	979932.12	-2.25	-20.00	0.51	1.58	-18.64	-19.42
98dp71	37	54.44	122	11.23	508.80	979931.79	-4.32	-21.68	0.18	1.32	-20.57	-21.25
98dp73	37	53.95	122	12.51	434.80	979940.05	-2.31	-17.14	0.39	1.97	-15.36	-16.75
98dp74	37	54.28	122	12.44	386.40	979943.60	-3.79	-16.97	0.08	1.43	-15.71	-17.01
98dp75	37	54.53	122	12.43	454.40	979939.52	-1.84	-17.34	0.32	1.44	-16.09	-17.35
98dp76	37	54.60	122	12.14	585.60	979929.67	0.55	-19.43	0.61	1.63	-18.04	-19.16
98dp77	37	54.79	122	12.01	680.20	979922.70	2.20	-21.00	1.18	2.25	-19.04	-20.07
98dp78	37	55.10	122	11.88	818.50	979912.40	4.45	-23.47	0.89	2.23	-21.57	-22.52
98dp79	37	55.34	122	11.69	907.50	979906.67	6.74	-24.21	1.03	2.70	-21.88	-22.72
98dp80	37	55.23	122	11.31	847.90	979910.45	5.07	-23.84	1.28	2.49	-21.70	-22.36
98dp81	37	55.13	122	10.87	939.30	979903.29	6.66	-25.38	1.17	2.68	-23.08	-23.53
98dp82	37	55.09	122	10.26	773.10	979914.46	2.25	-24.11	0.93	1.90	-22.53	-22.70
98dp83	37	55.27	122	9.81	629.30	979925.29	-0.70	-22.17	0.31	1.46	-20.97	-20.88
98dp84	37	55.68	122	9.72	708.50	979922.50	3.36	-20.81	0.29	1.37	-19.73	-19.57
98dp85	37	55.81	122	10.16	799.80	979916.31	5.56	-21.71	0.39	1.43	-20.62	-20.64
98dp86	37	56.05	122	10.68	819.20	979915.62	6.35	-21.59	0.35	1.38	-20.55	-20.81
98dp87	37	56.30	122	11.13	753.50	979920.63	4.81	-20.89	0.45	1.42	-19.78	-20.23
98dp88	37	56.79	122	11.05	542.70	979933.79	-2.57	-21.08	0.30	1.44	-19.87	-20.22
98dp89	37	57.14	122	11.68	443.70	979939.74	-6.44	-21.58	0.29	1.45	-20.31	-20.92
98dp90	37	57.37	122	12.02	411.10	979941.98	-7.60	-21.63	0.14	1.24	-20.56	-21.28
98dp91	37	57.91	122	11.44	492.70	979936.89	-5.81	-22.61	0.32	1.32	-21.50	-21.92
98dp92	37	57.75	122	10.96	638.50	979927.99	-0.76	-22.54	0.40	1.33	-21.48	-21.71
98dp93	37	57.85	122	10.56	789.60	979919.57	4.88	-22.05	0.18	1.18	-21.19	-21.23

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98dp94	37	58.51	122	10.83	757.90	979921.95	3.32	-22.53	0.09	1.08	-21.77	-21.87
98dp95	37	57.50	122	10.38	922.00	979910.49	8.77	-22.68	0.26	1.58	-21.48	-21.49
98dp96	37	57.14	122	10.64	609.10	979929.88	-0.75	-21.52	0.36	1.40	-20.37	-20.48
98dp97	37	57.99	122	12.41	342.90	979946.18	-10.73	-22.42	0.24	1.30	-21.26	-22.08
98dp98	37	58.24	122	12.84	302.50	979949.40	-11.67	-21.99	0.07	1.17	-20.95	-21.91
98dp99	37	58.38	122	13.36	274.60	979951.93	-11.97	-21.34	0.19	1.20	-20.25	-21.43
98dp101	37	58.47	122	13.90	250.30	979957.16	-9.16	-17.69	0.25	1.25	-16.55	-17.96
98dp102	37	58.06	122	14.54	251.70	979954.41	-11.18	-19.76	0.11	1.10	-18.76	-20.52
98dp103	37	57.84	122	14.74	365.20	979947.15	-7.44	-19.89	0.14	1.02	-19.03	-20.92
98dp104	37	57.89	122	15.01	326.70	979949.01	-9.27	-20.42	0.08	1.01	-19.54	-21.54
98dp105	37	57.82	122	15.27	300.00	979948.79	-11.90	-22.13	0.33	1.34	-20.92	-23.04
98dp107	37	57.30	122	16.19	164.90	979954.68	-17.96	-23.58	0.11	1.39	-22.26	-24.91
98dp108	37	57.01	122	16.11	179.90	979953.89	-16.91	-23.05	0.18	1.63	-21.49	-24.14
98dp109	37	56.56	122	15.89	302.20	979946.86	-11.78	-22.09	0.77	2.19	-20.03	-22.67
98dp110	37	54.34	122	14.58	1039.10	979901.54	15.45	-19.99	1.07	3.52	-16.90	-19.33
98dp111	37	54.60	122	14.87	1043.40	979901.31	15.24	-20.34	0.78	3.25	-17.52	-20.06
98dp114	37	55.61	122	15.71	1034.40	979902.16	13.77	-21.51	0.37	3.10	-18.83	-21.60
98dp115	37	56.04	122	15.90	1001.10	979902.93	10.78	-23.36	0.99	3.83	-19.94	-22.72
98dp116	37	56.38	122	16.35	923.10	979908.28	8.30	-23.19	0.62	3.17	-20.40	-23.33
98dp117	37	56.60	122	16.77	1000.70	979902.22	9.21	-24.92	0.85	4.13	-21.19	-24.30
98dp118	37	56.83	122	17.09	990.80	979901.60	7.33	-26.47	1.49	4.92	-21.96	-25.18
98dp119	37	57.10	122	17.45	820.60	979913.55	2.87	-25.11	0.98	3.44	-22.01	-25.34
98dp120	37	57.37	122	17.77	616.70	979926.98	-3.27	-24.30	0.77	2.38	-22.18	-25.59
98dp121	37	57.23	122	17.74	640.50	979926.50	-1.30	-23.15	0.46	2.05	-21.37	-24.80
98dp122	37	57.12	122	17.94	737.10	979922.11	3.55	-21.59	0.63	2.67	-19.22	-22.78
98dp123	37	56.98	122	18.16	670.80	979929.06	4.47	-18.41	0.70	2.45	-16.24	-19.93
98dp124	37	57.00	122	18.40	484.80	979942.83	0.72	-15.82	0.50	1.64	-14.38	-18.16
98dp125	37	57.07	122	18.60	361.50	979951.58	-2.23	-14.56	0.50	1.47	-13.24	-17.09
98dp126	37	57.13	122	18.87	272.90	979958.91	-3.32	-12.63	0.52	1.45	-11.30	-15.26
98dp127	37	56.66	122	18.31	379.10	979951.22	-0.34	-13.27	0.70	1.72	-11.70	-15.51
98dp128	37	56.39	122	17.92	370.80	979950.88	-1.06	-13.71	0.54	1.69	-12.18	-15.85
98dp129	37	53.78	122	15.26	901.10	979914.28	16.03	-14.71	0.54	2.37	-12.70	-15.59
98dp130	37	54.07	122	15.29	836.70	979917.25	12.52	-16.02	0.55	2.16	-14.20	-17.04
98dp131	37	54.33	122	15.65	567.70	979935.14	4.73	-14.64	0.52	2.00	-12.87	-15.84
98dp132	37	54.85	122	15.64	633.00	979928.73	3.70	-17.89	0.67	2.08	-16.08	-18.94
98dp133	37	54.73	122	16.02	519.80	979939.06	3.56	-14.17	0.43	1.92	-12.47	-15.55
98dp134	37	55.00	122	16.37	512.10	979940.55	3.93	-13.54	0.55	2.02	-11.74	-14.95
98dp135	37	55.25	122	16.64	469.70	979943.25	2.28	-13.74	0.66	2.15	-11.79	-15.07
98dp136	37	55.60	122	16.86	458.40	979943.28	0.73	-14.90	0.65	2.06	-13.04	-16.36
98dp137	37	55.94	122	17.11	475.90	979941.68	0.28	-15.95	0.36	1.60	-14.55	-17.93
98dp138	37	56.13	122	17.48	386.20	979948.60	-1.51	-14.69	0.34	1.63	-13.22	-16.73
98dp139	37	56.60	122	17.51	795.80	979919.17	6.89	-20.25	0.47	2.44	-18.14	-21.60
98dp140	37	55.79	122	16.66	799.70	979907.50	-3.23	-30.50	0.67	2.29	-28.54	-31.73
98dp142	37	53.25	122	12.75	1088.20	979899.44	19.56	-17.56	0.74	3.45	-14.55	-16.21
98dp143	37	53.43	122	13.78	1307.50	979885.94	26.42	-18.17	1.00	4.22	-14.48	-16.67
98dp144	37	53.44	122	13.59	1449.50	979876.16	29.98	-19.46	0.79	5.12	-14.91	-17.01
98dp145	37	53.55	122	13.37	1199.80	979891.70	21.88	-19.05	1.14	4.19	-15.34	-17.28
98dp146	37	55.04	122	12.78	616.90	979929.87	3.05	-17.99	0.29	1.33	-16.92	-18.29
98dp147	37	55.09	122	13.09	508.40	979936.99	-0.11	-17.45	0.51	1.50	-16.16	-17.68
98dp148	37	55.28	122	13.34	356.20	979946.46	-5.23	-17.38	0.24	1.51	-16.02	-17.63
98dp149	37	55.61	122	13.18	527.90	979935.41	-0.62	-18.62	0.53	1.56	-17.29	-18.77
98dp150	37	55.99	122	13.67	829.00	979914.96	6.70	-21.58	1.16	2.70	-19.22	-20.92
98dp151	37	56.30	122	13.71	1019.10	979903.04	12.20	-22.55	0.95	3.54	-19.43	-21.10
98dp152	37	56.38	122	14.49	685.00	979923.29	0.91	-22.45	1.11	2.41	-20.33	-22.36
98dp153	37	56.36	122	13.28	955.60	979908.05	11.15	-21.44	0.86	2.69	-19.14	-20.59
98dp154	37	56.80	122	13.58	452.70	979941.76	-3.08	-18.52	0.54	1.79	-16.92	-18.42
98dp155	37	57.02	122	14.05	354.70	979948.22	-6.16	-18.26	0.32	1.56	-16.84	-18.55
98dp156	37	57.32	122	13.81	419.10	979944.37	-4.39	-18.68	0.17	1.21	-17.65	-19.18
98dp157	37	57.64	122	14.15	426.70	979943.94	-4.57	-19.13	0.16	1.06	-18.24	-19.90
98dp158	37	57.75	122	15.50	323.30	979945.77	-12.63	-23.66	0.53	1.51	-22.28	-24.53
98dp159	37	57.58	122	15.74	269.40	979948.28	-14.94	-24.13	0.59	1.67	-22.57	-24.95

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98dp160	37	58.35	122	18.15	130.10	979955.81	-21.64	-26.07	0.12	0.88	-25.25	-28.59
98dp161	37	58.60	122	17.72	174.20	979951.41	-22.25	-28.20	0.13	0.87	-27.40	-30.49
98dp162	37	58.32	122	17.21	194.00	979950.62	-20.77	-27.39	0.08	0.91	-26.56	-29.48
98dp164	37	48.56	122	8.42	655.20	979917.66	3.90	-18.44	1.65	2.65	-16.07	-16.02
98dp165	37	50.45	122	10.81	777.20	979914.94	9.90	-16.61	0.96	2.78	-14.15	-15.17
98dp167	37	48.86	122	5.91	815.40	979906.34	7.21	-20.60	0.51	1.65	-19.29	-17.77
98dp168	37	48.80	122	5.55	815.10	979905.98	6.91	-20.89	0.58	1.80	-19.42	-17.72
98dp169	37	49.10	122	5.40	1130.80	979885.00	15.18	-23.38	1.31	3.08	-20.77	-18.98
98dp170	37	49.41	122	5.13	1219.30	979878.85	16.91	-24.68	0.80	2.87	-22.30	-20.33
98dp171	37	49.13	122	4.74	1081.90	979886.39	11.93	-24.97	1.04	2.78	-22.63	-20.46
98dp172	37	48.84	122	4.72	858.20	979901.28	6.21	-23.06	0.59	2.47	-20.95	-18.77
98dp173	37	48.87	122	4.17	1576.80	979852.00	24.46	-29.31	2.03	5.73	-24.20	-21.80
98dp175	37	48.47	122	3.28	1945.30	979824.44	32.14	-34.21	1.89	8.55	-26.40	-23.56
98dp176	37	48.12	122	3.43	1511.90	979855.33	22.79	-28.78	1.60	4.76	-24.62	-21.85
98dp177	37	47.97	122	3.63	1128.80	979880.81	12.46	-26.04	0.75	2.76	-23.74	-21.05
98dp178	37	48.91	122	2.74	1060.60	979883.44	7.30	-28.87	0.72	2.79	-26.51	-23.28
98dp179	37	48.56	122	2.34	958.20	979888.98	3.72	-28.96	0.23	2.23	-27.12	-23.68
98dp180	37	48.01	122	1.75	857.50	979893.67	-0.26	-29.50	0.36	2.15	-27.70	-23.95
98dp181	37	47.77	122	1.26	820.60	979893.96	-3.09	-31.08	0.25	1.88	-29.54	-25.54
98dp182	37	47.51	122	0.71	752.30	979895.23	-7.86	-33.52	0.40	1.97	-31.87	-27.58
98dp183	37	47.11	122	0.09	667.40	979897.03	-13.46	-36.23	0.53	1.91	-34.59	-29.97
98dp184	37	46.68	121	59.83	640.60	979897.88	-14.51	-36.36	0.25	1.32	-35.30	-30.55
98dp185	37	44.76	122	4.40	283.00	979931.60	-11.62	-21.27	0.78	2.63	-18.76	-16.83
98dp186	37	45.07	122	4.89	317.70	979931.01	-9.40	-20.23	0.99	2.66	-17.71	-16.04
98dp187	37	45.33	122	5.21	306.30	979932.36	-9.50	-19.95	1.22	2.98	-17.10	-15.59
98dp188	37	45.65	122	5.38	327.40	979932.20	-8.14	-19.31	0.68	2.32	-17.12	-15.67
98dp189	37	46.25	122	5.17	400.20	979926.74	-7.63	-21.28	0.78	2.36	-19.09	-17.44
98dp190	37	46.37	122	4.93	517.70	979920.78	-2.71	-20.37	0.71	2.01	-18.58	-16.77
98dp191	37	46.52	122	5.44	826.70	979901.32	6.67	-21.53	0.63	1.84	-20.03	-18.54
98dp192	37	46.99	122	5.66	504.20	979922.98	-2.69	-19.88	0.57	1.76	-18.34	-16.89
98dp193	37	47.38	122	5.52	491.30	979925.32	-2.13	-18.89	0.19	1.54	-17.56	-15.97
98dp195	37	47.50	122	4.69	584.60	979918.48	-0.37	-20.31	0.58	2.21	-18.34	-16.26
98dp196	37	47.95	122	4.38	642.10	979913.90	-0.20	-22.10	0.65	2.73	-19.64	-17.33
98dp197	37	48.22	122	3.89	980.20	979890.44	7.75	-25.69	0.96	3.16	-22.93	-20.37
98dp198	37	47.85	122	5.50	533.80	979922.81	-1.33	-19.54	0.43	1.87	-17.89	-16.23
98dp199	37	47.56	122	5.92	715.20	979910.83	4.17	-20.22	0.51	1.47	-19.04	-17.68
98dp200	37	47.91	122	6.01	766.10	979909.77	7.39	-18.74	0.35	1.38	-17.68	-16.33
98dp201	37	48.13	122	6.31	565.50	979922.61	1.04	-18.24	0.56	1.72	-16.76	-15.54
98rp2	37	44.83	122	7.94	563.20	979931.60	14.63	-4.58	0.49	1.67	-3.14	-3.45
98rp3	37	44.67	122	7.99	475.30	979938.07	13.07	-3.14	0.43	1.51	-1.84	-2.20
98rp4	37	44.94	122	9.03	130.00	979962.64	4.77	0.33	0.22	1.28	1.56	0.61
98rp5	37	44.89	122	9.22	149.90	979961.48	5.55	0.44	0.17	1.11	1.48	0.39
98rp6	37	44.82	122	9.38	62.90	979966.17	2.16	0.01	0.07	1.14	1.13	-0.06
98rp7	37	45.40	122	9.47	195.10	979956.13	3.71	-2.95	0.47	1.43	-1.60	-2.74
98rp8	37	45.35	122	9.60	71.80	979963.44	-0.51	-2.96	0.27	1.43	-1.55	-2.78
98rp9	37	45.29	122	9.73	53.80	979964.00	-1.55	-3.39	0.07	1.20	-2.21	-3.53
98rp10	37	45.19	122	9.95	47.20	979962.59	-3.44	-5.05	0.00	1.07	-4.00	-5.48
98rp11	37	45.07	122	10.21	35.70	979961.21	-5.72	-6.94	0.00	1.00	-5.95	-7.61
98rp12	37	44.99	122	10.37	28.90	979960.68	-6.78	-7.76	0.00	0.98	-6.80	-8.58
98rp13	37	45.57	122	11.13	21.80	979960.22	-8.75	-9.49	0.00	1.00	-8.50	-10.63
98rp14	37	45.72	122	10.90	27.60	979960.31	-8.33	-9.28	0.01	1.08	-8.21	-10.16
98rp15	37	45.87	122	10.66	34.90	979960.45	-7.73	-8.92	0.01	1.17	-7.75	-9.52
98rp16	37	46.03	122	10.44	53.60	979959.90	-6.75	-8.58	0.02	1.29	-7.31	-8.92
98rp17	37	46.19	122	10.18	109.00	979957.44	-4.23	-7.95	0.20	1.57	-6.43	-7.85
98rp18	37	46.32	122	10.09	209.10	979952.32	-0.13	-7.26	0.43	1.70	-5.65	-6.98
98rp19	37	46.47	122	10.11	302.40	979946.86	2.97	-7.34	0.11	1.37	-6.10	-7.43
98rp20	37	46.05	122	9.66	333.90	979945.96	5.65	-5.74	0.56	1.64	-4.25	-5.37
98rp21	37	46.28	122	9.33	328.70	979945.18	4.04	-7.17	0.17	1.48	-5.83	-6.71
98rp21	37	46.28	122	9.33	328.70	979945.25	4.11	-7.10	0.17	1.48	-5.76	-6.64
98rp22	37	46.23	122	8.91	407.80	979940.35	6.72	-7.19	0.25	1.46	-5.89	-6.54
98rp23	37	46.29	122	8.40	564.70	979929.25	10.29	-8.97	0.77	1.93	-7.27	-7.60

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98rp24	37	46.23	122	8.01	644.60	979923.19	11.84	-10.15	0.46	1.58	-8.84	-8.94
98rp25	37	46.07	122	8.02	588.50	979927.19	10.79	-9.28	0.21	1.31	-8.22	-8.35
98rp26	37	45.95	122	8.15	471.00	979935.71	8.44	-7.63	0.16	1.27	-6.56	-6.79
98rp27	37	45.78	122	8.40	423.20	979939.51	7.99	-6.45	0.22	1.26	-5.36	-5.77
98rp28	37	45.67	122	8.62	324.80	979946.32	5.70	-5.37	0.13	1.19	-4.32	-4.89
98rp29	37	45.52	122	8.84	268.80	979950.60	4.93	-4.23	0.31	1.35	-2.99	-3.71
98rp30	37	45.36	122	9.08	228.50	979954.06	4.84	-2.96	0.25	1.23	-1.82	-2.73
98rp31	37	46.42	122	8.62	415.60	979938.90	5.73	-8.44	0.55	2.00	-6.62	-7.04
98rp32	37	46.61	122	9.06	789.00	979916.29	17.96	-8.95	0.98	2.71	-6.56	-7.25
98rp33	37	46.92	122	9.32	991.50	979903.35	23.62	-10.20	1.03	3.51	-7.10	-7.90
98rp34	37	47.02	122	9.50	1040.60	979900.47	25.21	-10.28	0.93	3.72	-6.98	-7.88
98rp35	37	47.20	122	9.91	872.90	979912.61	21.31	-8.46	0.40	2.50	-6.32	-7.42
98rp36	37	47.09	122	10.02	821.30	979914.74	18.75	-9.26	1.13	3.27	-6.33	-7.51
98rp37	37	47.30	122	9.98	900.40	979911.03	22.17	-8.54	0.46	2.64	-6.27	-7.40
98rp38	37	47.49	122	9.95	865.80	979913.61	21.22	-8.31	0.25	2.06	-6.60	-7.67
98rp40	37	47.42	122	8.73	1157.20	979890.76	25.88	-13.59	0.33	3.05	-11.01	-11.38
98rp41	37	47.80	122	10.28	809.70	979918.59	20.47	-7.14	0.71	2.46	-5.02	-6.21
98rp42	37	47.68	122	10.50	635.80	979928.81	14.51	-7.17	0.54	2.19	-5.25	-6.59
98rp43	37	47.73	122	10.66	535.90	979934.25	10.48	-7.79	0.74	2.43	-5.59	-7.01
98rp45	37	47.91	122	11.14	447.20	979939.82	7.45	-7.80	0.14	1.85	-6.14	-7.80
98rp46	37	47.94	122	11.46	367.00	979943.11	3.15	-9.37	0.11	1.70	-7.83	-9.68
98rp47	37	47.85	122	10.91	435.20	979940.54	7.13	-7.72	0.62	2.48	-5.42	-6.95
98rp48	37	48.20	122	10.60	1090.70	979900.63	28.36	-8.84	0.52	3.24	-6.04	-7.37
98rp49	37	48.12	122	10.50	1080.00	979901.63	28.47	-8.37	0.54	3.19	-5.61	-6.89
98rp50	37	48.40	122	10.66	1198.70	979893.09	30.68	-10.20	0.60	3.67	-7.01	-8.34
98rp51	37	48.44	122	10.54	1281.40	979886.89	32.20	-11.50	0.61	4.00	-8.02	-9.29
98rp52	37	48.58	122	10.42	1369.20	979880.64	34.00	-12.69	0.42	4.10	-9.14	-10.33
98rp53	37	48.85	122	10.54	1441.50	979875.88	35.65	-13.51	0.15	4.12	-9.96	-11.17
98rp54	37	49.17	122	11.25	1411.80	979877.74	34.25	-13.90	0.95	5.10	-9.36	-10.93
98rp55	37	49.38	122	11.15	1379.00	979880.44	33.56	-13.47	0.30	3.78	-10.24	-11.70
98rp56	37	49.55	122	11.13	1481.50	979872.08	34.59	-15.94	0.87	5.12	-11.41	-12.83
98rp57	37	49.79	122	11.15	1389.20	979877.54	31.02	-16.36	1.36	4.71	-12.20	-13.58
98rp58	37	50.06	122	11.05	1236.50	979887.10	25.82	-16.35	0.68	3.03	-13.81	-15.08
98rp59	37	49.00	122	11.37	1260.80	979888.59	31.15	-11.85	1.12	4.61	-7.75	-9.41
98rp60	37	48.91	122	11.48	1060.80	979902.47	26.35	-9.83	0.90	3.52	-6.74	-8.47
98rp61	37	48.92	122	11.63	1023.60	979904.98	25.35	-9.57	1.28	3.87	-6.11	-7.92
98rp62	37	48.78	122	11.81	685.90	979927.19	16.00	-7.39	0.31	2.09	-5.59	-7.49
98rp63	37	48.69	122	11.90	680.10	979927.23	15.62	-7.57	0.31	2.05	-5.81	-7.78
98rp64	37	48.57	122	12.05	530.70	979936.69	11.21	-6.89	0.50	2.01	-5.11	-7.20
98rp65	37	48.63	122	11.62	731.60	979924.07	17.40	-7.56	0.48	2.36	-5.50	-7.33
98rp66	37	48.59	122	11.44	837.70	979917.48	20.84	-7.73	0.53	2.62	-5.46	-7.20
98rp67	37	48.58	122	11.34	883.60	979914.51	22.20	-7.93	0.59	2.77	-5.52	-7.20
98rp68	37	48.57	122	11.07	1018.70	979905.78	26.20	-8.55	0.45	2.91	-6.06	-7.60
98rp69	37	48.51	122	10.81	1119.00	979898.62	28.56	-9.61	0.38	3.03	-7.03	-8.42
98rp70	37	49.24	122	12.42	518.60	979937.88	10.28	-7.41	0.33	1.85	-5.77	-7.93
98rp71	37	48.83	122	12.81	414.70	979945.37	8.60	-5.55	0.24	1.52	-4.20	-6.67
98rp72	37	48.54	122	13.07	304.80	979952.49	5.80	-4.59	0.05	1.17	-3.55	-6.23
98rp73	37	48.36	122	13.48	227.60	979955.53	1.85	-5.92	0.07	1.06	-4.96	-7.92
98rp74	37	48.32	122	13.98	175.80	979959.13	0.63	-5.36	0.13	1.05	-4.39	-7.65
98rp75	37	51.78	122	17.89	16.50	979976.32	-2.21	-2.78	0.02	0.83	-1.95	-6.64
98rp76	37	51.88	122	17.39	53.70	979973.90	-1.28	-3.11	0.00	0.85	-2.28	-6.69
98rp77	37	51.95	122	16.86	94.20	979971.64	0.17	-3.05	0.01	0.92	-2.16	-6.23
98rp78	37	52.18	122	15.92	193.80	979964.64	2.20	-4.41	0.02	1.24	-3.25	-6.76
98rp79	37	51.45	122	14.44	386.90	979950.08	6.87	-6.33	0.39	2.06	-4.43	-7.30
98rp80	37	51.40	122	14.73	297.90	979955.67	4.16	-6.00	0.04	1.53	-4.60	-7.63
98rp81	37	50.94	122	15.08	201.10	979963.03	3.09	-3.77	0.01	1.14	-2.72	-6.05
98rp82	37	50.60	122	15.40	146.20	979966.84	2.23	-2.76	0.01	0.99	-1.83	-5.41
98rp83	37	50.98	122	14.03	333.10	979952.24	4.65	-6.71	0.54	2.30	-4.55	-7.28
98rp84	37	50.85	122	14.45	350.50	979951.96	6.20	-5.75	0.30	1.59	-4.31	-7.30
98rp85	37	50.69	122	14.85	190.80	979963.20	2.65	-3.85	0.02	1.19	-2.74	-5.99
98rp86	37	49.75	122	14.95	145.20	979965.99	2.53	-2.43	0.03	1.00	-1.48	-4.99

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98rp87	37	50.04	122	14.59	217.70	979960.90	3.83	-3.59	0.10	1.19	-2.50	-5.74
98rp88	37	50.32	122	14.17	433.80	979945.89	8.74	-6.06	0.51	1.80	-4.44	-7.39
98rp89	37	50.56	122	13.84	405.90	979947.58	7.45	-6.39	0.30	1.69	-4.87	-7.57
98rp90	37	50.61	122	13.57	434.30	979944.93	7.40	-7.41	0.56	2.11	-5.48	-8.02
98rp91	37	49.33	122	14.71	118.40	979965.90	0.53	-3.51	0.10	1.07	-2.49	-5.97
98rp92	37	49.34	122	14.43	117.60	979965.66	0.20	-3.81	0.06	1.16	-2.70	-6.00
98rp93	37	49.47	122	13.84	326.40	979953.25	7.24	-3.89	0.13	1.33	-2.70	-5.62
98rp94	37	52.55	122	15.28	439.30	979947.11	7.22	-7.76	0.62	2.46	-5.49	-8.60
98rp95	37	52.52	122	15.43	367.50	979952.57	5.97	-6.56	0.21	1.93	-4.79	-7.99
98rp96	37	52.67	122	14.55	1014.50	979905.89	19.92	-14.68	1.33	3.88	-11.21	-13.93
98rp97	37	52.87	122	14.56	1315.50	979886.28	28.33	-16.54	0.80	4.85	-12.21	-14.92
98rp98	37	53.91	122	15.52	1062.10	979903.53	20.23	-15.99	1.22	4.03	-12.40	-15.41
98rp99	37	53.79	122	15.70	897.80	979916.53	17.95	-12.67	0.46	2.63	-10.41	-13.53
98rp100	37	53.74	122	15.81	774.50	979925.31	15.21	-11.21	0.56	2.38	-9.15	-12.32
98rp101	37	53.58	122	16.06	512.50	979945.00	10.49	-6.99	0.50	2.06	-5.14	-8.45
98rp102	37	53.41	122	16.29	310.20	979958.11	4.82	-5.76	0.19	1.65	-4.24	-7.70
98rp103	37	53.13	122	16.42	198.30	979965.78	2.37	-4.39	0.06	1.42	-3.05	-6.62
98rp104	37	52.89	122	16.87	118.50	979971.64	1.08	-2.96	0.02	1.11	-1.90	-5.78
98rp105	37	52.72	122	17.26	76.60	979974.25	0.00	-2.62	0.01	0.96	-1.69	-5.81
98rp106	37	54.70	122	17.57	232.90	979965.59	3.15	-4.80	0.29	1.61	-3.29	-7.15
98rp107	37	54.78	122	17.30	401.70	979954.49	7.81	-5.89	0.33	1.69	-4.38	-8.10
98rp108	37	54.89	122	17.21	524.00	979946.60	11.26	-6.61	0.41	1.84	-5.00	-8.66
98rp109	37	54.97	122	17.01	672.00	979935.54	14.00	-8.92	0.44	2.03	-7.17	-10.71
98rp110	37	55.12	122	16.93	826.50	979924.59	17.36	-10.83	0.52	2.56	-8.60	-12.07
98rp111	37	55.65	122	18.24	531.20	979947.84	12.06	-6.05	1.12	2.60	-3.68	-7.69
98rp112	37	55.72	122	18.17	529.20	979948.29	12.22	-5.82	0.44	1.84	-4.20	-8.16
98rp113	37	55.70	122	18.04	579.40	979944.72	13.41	-6.36	0.68	2.19	-4.41	-8.31
98rp114	37	55.43	122	17.90	599.00	979943.03	13.95	-6.48	1.01	2.67	-4.06	-7.96
98rp115	37	55.55	122	17.66	795.60	979928.93	18.17	-8.97	0.35	2.67	-6.62	-10.37
98rp116	37	55.63	122	17.54	854.40	979923.70	18.35	-10.79	0.40	2.91	-8.23	-11.90
98rp117	37	55.76	122	17.43	741.70	979928.04	11.90	-13.39	0.97	2.68	-11.02	-14.59
98rp118	37	56.41	122	18.97	254.30	979968.16	5.23	-3.44	0.12	1.02	-2.53	-6.70
98rp119	37	56.47	122	18.90	278.90	979966.62	5.92	-3.60	0.13	1.04	-2.67	-6.79
98rp120	37	56.57	122	18.81	311.50	979963.43	5.65	-4.98	0.19	1.13	-3.98	-8.04
98rp121	37	56.69	122	18.72	365.10	979957.06	4.14	-8.31	0.16	1.14	-7.32	-11.31
98rp122	37	56.54	122	19.61	96.00	979977.73	-0.28	-3.55	0.00	0.80	-2.79	-7.23
98rp123	37	56.59	122	19.40	92.00	979977.79	-0.67	-3.81	0.04	0.92	-2.92	-7.24
98rp124	37	56.65	122	19.22	112.30	979976.78	0.14	-3.69	0.15	1.07	-2.66	-6.88
98rp125	37	56.76	122	19.08	224.00	979969.06	2.77	-4.87	0.17	1.04	-3.93	-8.06
98rp126	37	56.82	122	18.96	310.10	979961.17	2.89	-7.69	0.26	1.18	-6.64	-10.71
98rp128	37	56.93	122	18.92	327.40	979958.49	1.68	-9.49	0.38	1.32	-8.31	-12.34
98rp129	37	57.89	122	18.81	103.60	979963.42	-15.85	-19.38	0.08	1.00	-18.43	-22.18
98rp130	37	57.99	122	18.26	113.10	979958.91	-19.61	-23.47	0.04	0.94	-22.57	-26.04
98rp131	37	57.90	122	17.74	126.60	979956.41	-20.71	-25.03	0.06	1.03	-24.05	-27.31
98rp132	37	57.80	122	17.32	146.10	979954.55	-20.59	-25.57	0.10	1.13	-24.50	-27.59
98rp133	37	57.52	122	16.88	191.00	979952.00	-18.51	-25.02	0.15	1.27	-23.83	-26.75
98rp134	37	57.24	122	16.49	171.90	979953.88	-18.01	-23.88	0.17	1.49	-22.45	-25.24
98rp135	37	56.12	122	15.45	457.80	979938.63	-4.74	-20.35	0.58	1.80	-18.75	-21.27
98rp136	37	55.75	122	15.23	435.70	979939.73	-5.17	-20.03	1.19	2.58	-17.63	-20.10
98rp137	37	55.42	122	14.88	415.80	979941.09	-5.20	-19.38	0.95	2.43	-17.13	-19.49
98rp138	37	55.11	122	14.48	428.30	979940.69	-3.97	-18.58	0.79	2.21	-16.55	-18.77
98rp139	37	54.87	122	13.98	422.10	979941.80	-3.10	-17.49	0.55	1.81	-15.86	-17.85
98rp140	37	54.39	122	13.63	392.90	979942.76	-4.18	-17.58	0.47	2.23	-15.52	-17.40
98rp141	37	54.06	122	12.75	389.80	979942.78	-3.97	-17.27	0.61	2.33	-15.10	-16.59
98rp142	37	54.28	122	13.15	408.30	979942.18	-3.15	-17.08	0.40	1.98	-15.27	-16.94
98rp143	37	53.97	122	13.13	715.00	979922.33	6.30	-18.09	0.83	2.54	-15.84	-17.56
98rp145	37	54.18	122	14.78	1029.70	979902.86	16.12	-19.00	1.00	3.21	-16.21	-18.80
98rp146	37	54.06	122	14.93	1022.10	979904.05	16.77	-18.09	1.04	3.17	-15.34	-18.02
98rp148	37	53.47	122	15.05	1094.40	979901.76	22.14	-15.19	0.33	3.01	-12.62	-15.47
98rp149	37	53.08	122	14.35	1420.50	979878.25	29.87	-18.58	1.86	6.06	-13.09	-15.66
98rp150	37	52.78	122	13.50	1650.70	979863.30	37.00	-19.29	0.52	5.80	-14.14	-16.31

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
98rp151	37	52.90	122	13.84	1621.80	979864.83	35.64	-19.67	1.31	6.70	-13.60	-15.94
98rp152	37	52.93	122	14.09	1554.90	979868.29	32.77	-20.27	2.27	7.42	-13.46	-15.92
98rp153	37	53.66	122	13.08	886.90	979912.09	12.68	-17.57	0.59	2.78	-15.16	-16.90
98rp154	37	53.35	122	12.85	1037.10	979902.48	17.65	-17.73	0.87	3.46	-14.68	-16.38
98rp155	37	53.09	122	12.48	1056.70	979901.44	18.83	-17.21	0.83	3.36	-14.28	-15.82
98rp156	37	53.01	122	11.99	852.80	979913.61	11.94	-17.15	0.76	2.69	-14.81	-16.09
98rp157	37	53.53	122	12.63	834.30	979914.91	10.74	-17.71	0.63	2.67	-15.39	-16.92
98rp158	37	52.97	122	12.66	1321.50	979884.43	26.90	-18.17	1.05	4.42	-14.28	-15.95
98rp159	37	52.82	122	12.81	1524.30	979871.78	33.54	-18.45	0.60	4.92	-14.13	-15.93
98rp160	37	52.76	122	13.02	1663.20	979861.73	36.64	-20.09	0.99	6.27	-14.46	-16.38
98rp161	37	52.79	122	13.12	1676.00	979861.45	37.52	-19.64	0.72	6.10	-14.20	-16.16
98rp162	37	52.83	122	13.37	1660.70	979863.17	37.74	-18.90	0.22	5.48	-14.06	-16.15
98rp163	37	52.89	122	13.49	1562.80	979870.07	35.35	-17.95	0.46	4.90	-13.67	-15.81
98rp164	37	52.99	122	13.55	1520.00	979872.75	33.86	-17.99	0.58	4.74	-13.85	-16.01
98rp165	37	53.05	122	13.63	1458.40	979876.73	31.96	-17.78	0.63	4.42	-13.94	-16.13
98rp166	37	53.13	122	13.75	1317.70	979886.25	28.13	-16.81	0.79	3.86	-13.48	-15.70
98rp167	37	53.22	122	13.88	1236.20	979891.72	25.80	-16.36	0.55	3.31	-13.54	-15.81
98rp168	37	53.33	122	14.01	1133.10	979898.15	22.37	-16.27	0.51	2.96	-13.78	-16.10
98rp169	37	53.61	122	14.67	974.00	979908.63	17.48	-15.74	0.28	2.26	-13.88	-16.49
98rp170	37	54.07	122	14.19	985.00	979905.51	14.72	-18.87	1.18	3.39	-15.88	-18.16
98rp171	37	53.44	122	14.23	1055.60	979903.13	19.90	-16.10	0.65	2.85	-13.68	-16.10
98rp172	37	46.66	122	10.08	254.50	979950.47	1.80	-6.88	0.32	1.96	-5.03	-6.29
98rp174	37	46.51	122	10.32	335.30	979942.60	1.75	-9.69	0.59	1.77	-8.06	-9.50
98rp177	37	46.27	122	10.85	66.80	979958.14	-7.62	-9.90	0.02	1.19	-8.73	-10.53
98rp178	37	46.11	122	11.02	55.40	979958.76	-7.84	-9.73	0.00	1.10	-8.65	-10.60
98rp179	37	45.98	122	11.22	43.50	979959.22	-8.31	-9.79	0.00	1.03	-8.78	-10.88
98rp180	37	45.85	122	11.40	29.90	979959.85	-8.77	-9.79	0.00	0.99	-8.80	-11.05
98rp181	37	45.67	122	11.62	15.60	979960.31	-9.39	-9.92	0.00	0.95	-8.97	-11.39
98rp182	37	46.59	122	11.82	139.50	979954.66	-4.73	-9.49	0.07	0.99	-8.55	-10.89
98rp183	37	46.70	122	11.68	126.80	979955.73	-5.01	-9.34	0.13	1.12	-8.27	-10.50
98rp184	37	46.83	122	11.46	171.80	979952.85	-3.85	-9.71	0.10	1.12	-8.67	-10.74
98rp185	37	47.00	122	11.27	152.10	979953.24	-5.56	-10.75	0.11	1.32	-9.49	-11.40
98rp186	37	47.10	122	11.04	180.00	979951.16	-5.16	-11.30	0.17	1.55	-9.83	-11.58
98rp187	37	47.20	122	10.83	376.10	979940.69	2.67	-10.16	0.67	1.97	-8.34	-9.94
98rp188	37	46.45	122	12.05	79.60	979958.09	-6.73	-9.44	0.06	0.99	-8.48	-11.00
98rp189	37	46.30	122	12.22	39.10	979960.42	-7.99	-9.32	0.01	0.95	-8.39	-11.03
98rp190	37	46.18	122	12.52	22.40	979961.52	-8.28	-9.05	0.00	0.88	-8.17	-11.02
98rp191	37	46.02	122	12.72	13.50	979962.05	-8.36	-8.82	0.00	0.85	-7.97	-10.99
98rp194	37	49.07	122	11.94	724.10	979924.42	16.40	-8.30	0.56	2.32	-6.28	-8.22
98rp195	37	49.34	122	12.95	551.70	979937.35	12.72	-6.10	0.47	1.88	-4.45	-6.90
98rp196	37	49.15	122	13.64	310.00	979953.72	6.63	-3.94	0.15	1.32	-2.75	-5.64
98rp197	37	49.04	122	14.12	84.40	979967.16	-0.99	-3.87	0.09	1.26	-2.64	-5.82
99MWH001	37	49.71	122	15.31	93.50	979969.08	0.81	-2.38	0.01	0.95	-1.46	-5.19
99MWH002	37	49.55	122	15.42	88.40	979969.90	1.39	-1.63	0.01	0.94	-0.72	-4.55
99MWH003	37	49.30	122	15.57	61.00	979970.37	-0.36	-2.44	0.01	0.89	-1.57	-5.53
99MWH004	37	49.13	122	15.67	52.00	979970.15	-1.18	-2.95	0.01	0.87	-2.10	-6.16
99MWH005	37	48.97	122	15.78	31.50	979970.69	-2.33	-3.40	0.01	0.85	-2.56	-6.73
99MWH006	37	48.72	122	15.93	23.70	979970.42	-2.97	-3.78	0.00	0.81	-2.97	-7.29
99MWH007	37	48.58	122	16.09	20.20	979970.37	-3.14	-3.83	0.00	0.79	-3.04	-7.49
99MWH008	37	48.41	122	16.27	37.30	979969.33	-2.33	-3.60	0.00	0.78	-2.83	-7.44
99MWH009	37	48.07	122	16.09	42.40	979968.47	-2.21	-3.66	0.00	0.78	-2.89	-7.47
99MWH010	37	47.91	122	16.34	30.00	979968.73	-2.88	-3.91	0.00	0.77	-3.15	-7.91
99MWH011	37	48.56	122	17.79	15.70	979971.65	-2.26	-2.79	0.00	0.73	-2.06	-7.51
99MWH012	37	48.77	122	17.62	14.70	979972.00	-2.31	-2.81	0.00	0.74	-2.07	-7.38
99MWH013	37	48.96	122	17.47	10.30	979972.41	-2.59	-2.94	0.00	0.75	-2.19	-7.36
99MWH014	37	49.13	122	17.32	9.60	979972.70	-2.61	-2.94	0.00	0.76	-2.18	-7.23
99MWH015	37	49.24	122	17.12	10.60	979972.94	-2.44	-2.80	0.00	0.78	-2.02	-6.91
99MWH016	37	49.48	122	16.93	19.00	979972.98	-1.96	-2.61	0.00	0.80	-1.81	-6.52
99MWH017	37	49.70	122	16.69	37.40	979972.19	-1.34	-2.62	0.01	0.83	-1.79	-6.30
99MWH018	37	49.92	122	16.61	50.10	979971.46	-1.20	-2.91	0.00	0.84	-2.09	-6.51
99MWH019	37	50.13	122	16.55	61.40	979971.14	-0.76	-2.86	0.01	0.85	-2.03	-6.35

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
99MWH020	37	50.43	122	16.42	46.60	979971.78	-1.95	-3.54	0.03	0.91	-2.64	-6.83
99MWH021	37	50.33	122	17.70	12.00	979974.97	-1.87	-2.28	0.00	0.79	-1.49	-6.44
99MWH022	37	50.35	122	17.32	19.60	979974.31	-1.84	-2.51	0.00	0.80	-1.72	-6.45
99MWH023	37	50.38	122	16.85	41.40	979972.96	-1.19	-2.60	0.00	0.84	-1.78	-6.22
99MWH024	37	50.43	122	16.64	49.40	979972.58	-0.89	-2.57	0.00	0.85	-1.74	-6.05
99MWH025	37	50.48	122	16.18	83.90	979970.64	0.34	-2.52	0.00	0.88	-1.67	-5.72
99MWH026	37	50.51	122	15.90	103.80	979969.49	1.02	-2.52	0.00	0.92	-1.64	-5.52
99MWH027	37	51.52	122	14.93	277.50	979958.17	4.57	-4.90	0.05	1.48	-3.54	-6.65
99MWH028	37	51.60	122	15.24	252.70	979959.85	3.80	-4.82	0.02	1.30	-3.63	-6.91
99MWH029	37	51.58	122	15.52	208.00	979962.85	2.62	-4.47	0.02	1.18	-3.38	-6.81
99MWH030	37	51.54	122	15.80	167.90	979966.01	2.07	-3.66	0.01	1.07	-2.66	-6.25
99MWH031	37	51.50	122	16.07	139.40	979968.29	1.73	-3.03	0.01	0.99	-2.09	-5.85
99MWH032	37	51.47	122	16.37	108.90	979969.85	0.46	-3.25	0.01	0.96	-2.34	-6.27
99MWH033	37	51.42	122	16.71	81.90	979971.58	-0.28	-3.07	0.00	0.89	-2.21	-6.32
99MWH034	37	51.34	122	17.02	58.80	979972.92	-0.99	-3.00	0.00	0.84	-2.18	-6.49
99MWH035	37	51.37	122	17.26	47.40	979973.95	-1.08	-2.70	0.00	0.83	-1.88	-6.33
99MWH036	37	51.32	122	17.55	34.20	979974.94	-1.26	-2.42	0.00	0.82	-1.61	-6.23
99MWH037	37	52.24	122	11.00	877.40	979911.30	13.07	-16.86	0.77	2.18	-15.04	-15.90
99MWH038	37	52.11	122	10.76	717.50	979921.13	8.05	-16.42	0.56	1.76	-14.96	-15.69
99MWH039	37	52.02	122	9.81	610.10	979925.40	2.35	-18.46	0.30	1.43	-17.28	-17.50
99MWH040	37	52.21	122	9.44	662.40	979921.29	2.88	-19.71	0.16	1.16	-18.82	-18.83
99MWH041	37	52.13	122	8.87	800.30	979911.52	6.20	-21.10	0.36	1.40	-20.03	-19.78
99MWH042	37	51.95	122	8.44	763.20	979913.15	4.60	-21.43	0.44	1.42	-20.33	-19.88
99MWH043	37	51.74	122	7.99	674.30	979918.26	1.66	-21.34	0.41	1.37	-20.25	-19.56
99MWH044	37	51.24	122	6.90	732.80	979913.19	2.82	-22.18	0.27	1.21	-21.27	-20.06
99MWH045	37	51.24	122	6.16	493.60	979927.28	-5.59	-22.42	0.36	1.45	-21.19	-19.57
99MWH046	37	51.69	122	6.05	446.60	979928.56	-9.39	-24.62	0.20	1.19	-23.62	-21.91
99MWH047	37	52.14	122	5.86	412.20	979929.52	-12.32	-26.38	0.26	1.16	-25.40	-23.58
99MWH048	37	52.58	122	5.95	380.50	979932.41	-13.05	-26.03	0.14	1.00	-25.19	-23.39
99MWH049	37	52.92	122	6.27	356.90	979934.82	-13.36	-25.53	0.19	1.02	-24.67	-23.00
99MWH050	37	53.68	122	7.34	366.00	979938.16	-10.28	-22.76	0.06	1.04	-21.87	-20.69
99MWH051	37	53.92	122	7.72	396.80	979936.67	-9.22	-22.75	0.23	1.36	-21.56	-20.54
99MWH052	37	54.20	122	8.07	462.70	979933.60	-6.50	-22.28	0.22	1.47	-21.00	-20.15
99MWH053	37	54.34	122	8.56	526.80	979930.17	-4.10	-22.07	0.25	1.51	-20.78	-20.15
99MWH054	37	54.43	122	9.25	619.50	979924.07	-1.62	-22.75	0.43	1.57	-21.44	-21.15
99MWH055	37	54.59	122	10.63	602.60	979925.23	-2.28	-22.83	0.27	1.36	-21.73	-22.09
99MWH056	37	54.64	122	10.15	708.70	979918.66	1.06	-23.12	0.34	1.34	-22.07	-22.22
99MWH057	37	54.63	122	9.68	829.10	979911.00	4.73	-23.54	0.50	1.54	-22.34	-22.26
99MWH058	37	43.91	122	10.40	36.30	979957.62	-7.57	-8.80	0.00	0.83	-7.99	-10.02
99MWH059	37	43.65	122	10.52	28.50	979956.90	-8.64	-9.61	0.00	0.82	-8.80	-10.96
99MWH060	37	42.88	122	11.53	10.50	979953.20	-12.91	-13.27	0.00	0.73	-12.54	-15.55
99MWH061	37	43.33	122	10.91	19.60	979955.53	-10.38	-11.05	0.00	0.77	-10.29	-12.79
99MWH062	37	40.21	122	6.56	56.70	979952.26	-5.61	-7.54	0.01	0.80	-6.77	-7.04
99MWH063	37	40.09	122	6.84	47.20	979952.62	-5.97	-7.58	0.00	0.76	-6.84	-7.34
99MWH064	37	40.04	122	7.16	42.20	979952.41	-6.58	-8.02	0.00	0.75	-7.28	-8.00
99MWH065	37	39.73	122	7.88	22.40	979950.06	-10.34	-11.10	0.00	0.74	-10.36	-11.64
99MWH066	37	39.82	122	7.63	28.20	979950.92	-9.06	-10.03	0.00	0.75	-9.28	-10.37
99MWH067	37	39.92	122	7.40	34.50	979951.70	-7.84	-9.01	0.00	0.76	-8.26	-9.17
99MWH069	37	47.83	122	13.47	203.20	979955.98	0.77	-6.16	0.02	0.94	-5.30	-8.37
99MWH070	37	47.62	122	13.52	169.50	979957.60	-0.47	-6.25	0.03	0.91	-5.41	-8.55
99MWH071	37	47.44	122	13.72	92.90	979961.84	-3.17	-6.34	0.06	0.94	-5.44	-8.74
99MWH072	37	47.25	122	13.86	50.30	979964.00	-4.74	-6.46	0.05	0.92	-5.55	-8.97
99MWH073	37	47.09	122	14.10	26.00	979965.33	-5.46	-6.35	0.02	0.87	-5.48	-9.10
99MWH074	37	46.85	122	14.05	26.60	979964.51	-5.88	-6.78	0.00	0.83	-5.96	-9.59
99MWH075	37	47.27	122	14.42	44.40	979965.50	-3.83	-5.34	0.02	0.83	-4.52	-8.29
99MWH076	37	47.38	122	14.91	29.10	979967.04	-3.89	-4.88	0.01	0.84	-4.05	-8.09
99MWH077	37	47.52	122	14.59	35.90	979966.86	-3.63	-4.85	0.02	0.84	-4.03	-7.84
99MWH078	37	47.73	122	14.41	86.70	979963.66	-2.36	-5.32	0.02	0.86	-4.49	-8.15
99MWH079	37	47.90	122	14.19	129.40	979961.21	-1.04	-5.45	0.04	0.91	-4.60	-8.08
99MWH080	37	48.05	122	13.98	169.30	979959.03	0.31	-5.46	0.02	0.90	-4.63	-7.95
99MWH081	37	47.83	122	15.42	32.60	979968.22	-3.03	-4.14	0.02	0.82	-3.33	-7.57

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
99MWH082	37	47.97	122	15.18	15.20	979969.21	-3.88	-4.40	0.01	0.85	-3.56	-7.62
99MWH083	37	48.18	122	14.89	74.60	979965.33	-2.48	-5.03	0.06	0.92	-4.14	-7.98
99MWH084	37	48.43	122	14.81	120.50	979962.81	-1.05	-5.16	0.38	1.26	-3.95	-7.67
99MWH085	37	53.33	122	18.36	19.70	979980.56	0.06	-0.61	0.05	0.92	0.31	-4.26
99MWH086	37	53.31	122	18.06	30.00	979979.57	0.07	-0.95	0.04	0.95	-0.01	-4.43
99MWH087	37	53.22	122	17.79	44.10	979977.75	-0.29	-1.80	0.00	0.95	-0.86	-5.16
99MWH088	37	53.25	122	17.55	58.40	979975.66	-1.08	-3.07	0.01	1.00	-2.10	-6.26
99MWH089	37	53.33	122	17.28	88.50	979974.51	0.48	-2.53	0.02	1.09	-1.48	-5.48
99MWH090	37	53.38	122	16.97	128.60	979971.67	1.34	-3.04	0.04	1.21	-1.88	-5.71
99MWH091	37	53.44	122	16.62	209.10	979965.84	3.00	-4.13	0.06	1.41	-2.81	-6.44
99MWH092	37	54.27	122	16.12	827.00	979922.41	16.47	-11.73	0.22	2.15	-9.92	-13.16
99MWH093	37	54.19	122	16.56	532.10	979945.89	12.33	-5.82	0.37	1.82	-4.22	-7.67
99MWH094	37	53.82	122	16.95	224.40	979965.49	3.53	-4.12	0.22	1.48	-2.73	-6.46
99MWH095	37	53.78	122	17.28	100.90	979974.19	0.67	-2.77	0.02	1.22	-1.59	-5.50
99MWH096	37	53.77	122	17.67	60.30	979976.95	-0.37	-2.43	0.01	1.10	-1.35	-5.46
99MWH097	37	52.66	122	16.35	197.50	979965.75	2.96	-3.78	0.02	1.20	-2.66	-6.30
99MWH098	37	52.93	122	15.97	289.40	979959.20	4.66	-5.21	0.10	1.62	-3.71	-7.09
99MWH099	37	53.07	122	15.70	496.70	979945.70	10.45	-6.49	0.35	2.03	-4.67	-7.90
99MWH100	37	51.94	122	16.00	179.70	979965.39	1.97	-4.16	0.01	1.10	-3.13	-6.75
99MWH101	37	50.91	122	16.19	102.20	979969.63	0.43	-3.06	0.01	0.91	-2.19	-6.14
99MWH102	37	51.01	122	15.55	163.70	979966.36	2.80	-2.79	0.01	1.02	-1.84	-5.41
99MWH103	37	50.83	122	16.99	46.20	979973.77	-0.58	-2.16	0.00	0.83	-1.35	-5.77
00MWH354	37	48.12	121	56.02	570.00	979902.20	-18.93	-38.37	0.02	0.89	-37.72	-31.13
00MWH355	37	47.91	121	54.91	623.60	979899.64	-16.14	-37.41	0.08	0.97	-36.70	-29.61
00MWH356	37	48.19	121	56.28	548.60	979903.76	-19.48	-38.19	0.05	0.96	-37.47	-30.99
00MWH357	37	48.29	121	56.55	525.70	979905.22	-20.32	-38.25	0.06	1.04	-37.43	-31.07
00MWH358	37	48.39	121	56.79	510.50	979906.43	-20.69	-38.10	0.06	1.10	-37.22	-30.98
00MWH359	37	48.53	121	57.03	496.40	979907.79	-20.86	-37.79	0.22	1.31	-36.69	-30.56
00MWH360	37	48.68	121	57.30	471.10	979910.00	-21.25	-37.32	0.15	1.28	-36.23	-30.23
00MWH361	37	48.78	121	57.52	458.60	979911.04	-21.53	-37.17	0.13	1.22	-36.15	-30.26
00MWH362	37	48.03	121	55.76	573.80	979901.84	-18.80	-38.37	0.03	0.90	-37.71	-30.99
00MWH363	37	47.97	121	55.48	610.60	979899.92	-17.17	-38.00	0.05	0.88	-37.37	-30.52
00MWH364	37	47.95	121	54.36	668.80	979897.85	-13.74	-36.55	0.09	0.98	-35.84	-28.53
00MWH365	37	47.98	121	54.09	719.20	979895.16	-11.73	-36.26	0.02	0.87	-35.69	-28.27
00MWH366	37	47.97	121	53.81	722.00	979895.08	-11.53	-36.16	0.01	0.86	-35.60	-28.07
00MWH367	37	47.98	121	53.52	721.50	979895.71	-10.97	-35.57	0.03	0.90	-34.97	-27.33
00MWH368	37	47.94	121	53.22	717.40	979896.05	-10.95	-35.42	0.04	0.92	-34.79	-27.02
00MWH369	37	47.95	121	52.96	733.90	979895.22	-10.25	-35.28	0.06	0.95	-34.63	-26.76
00MWH370	37	47.96	121	52.69	736.80	979895.03	-10.18	-35.31	0.06	0.98	-34.64	-26.66
00MWH371	37	47.93	121	52.38	725.80	979895.74	-10.46	-35.21	0.15	1.09	-34.42	-26.33
00MWH372	37	47.82	121	52.01	705.90	979896.47	-11.44	-35.51	0.15	1.10	-34.71	-26.46
00MWH373	37	47.77	121	53.92	699.30	979895.34	-13.12	-36.97	0.02	0.82	-36.44	-28.92
00MWH374	37	47.55	121	53.90	668.30	979895.36	-15.69	-38.48	0.12	0.90	-37.86	-30.31
00MWH375	37	47.32	121	53.81	642.60	979894.88	-18.25	-40.17	0.36	1.15	-39.29	-31.68
00MWH376	37	47.09	121	53.82	610.50	979895.26	-20.56	-41.38	0.15	0.97	-40.67	-33.04
00MWH377	37	46.89	121	53.93	590.00	979895.97	-21.48	-41.61	0.11	0.93	-40.92	-33.31
00MWH378	37	48.18	121	55.25	690.70	979896.70	-13.16	-36.72	0.14	0.99	-36.02	-29.11
00MWH379	37	48.77	121	55.27	666.80	979902.26	-10.71	-33.46	0.34	1.40	-32.34	-25.49
00MWH380	37	49.26	121	55.19	731.30	979901.81	-5.81	-30.75	0.10	1.35	-29.70	-22.88
00MWH381	37	49.40	121	55.41	767.50	979900.36	-4.06	-30.24	0.31	1.55	-29.00	-22.29
00MWH382	37	49.57	121	55.74	761.20	979901.51	-3.75	-29.71	0.29	1.61	-28.42	-21.85
00MWH383	37	49.63	121	56.03	708.60	979904.46	-5.84	-30.00	0.19	1.56	-28.74	-22.28
00MWH384	37	49.69	121	56.27	702.30	979904.89	-6.09	-30.04	0.09	1.40	-28.93	-22.57
00MWH385	37	49.00	121	55.20	699.40	979902.08	-8.16	-32.02	0.22	1.34	-30.97	-24.13
00MWH386	37	47.67	121	55.29	629.50	979896.55	-18.33	-39.80	0.05	0.82	-39.24	-32.29
00MWH387	37	47.50	121	55.42	619.50	979895.70	-19.87	-41.00	0.07	0.82	-40.43	-33.53
00MWH388	37	47.32	121	55.58	632.10	979892.85	-21.27	-42.83	0.22	0.93	-42.16	-35.31
00MWH389	37	47.30	121	55.84	693.80	979888.67	-19.62	-43.28	0.40	1.10	-42.47	-35.74
00MWH390	37	47.16	121	56.05	637.00	979892.06	-21.37	-43.09	0.26	0.95	-42.41	-35.77
00MWH391	37	47.12	121	55.42	584.10	979895.78	-22.56	-42.48	0.15	0.91	-41.82	-34.88
00MWH392	37	46.90	121	55.33	546.20	979897.48	-24.11	-42.74	0.28	1.07	-41.89	-34.89

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
00MWH393	37	46.66	121	55.37	533.10	979898.19	-24.28	-42.46	0.11	0.85	-41.83	-34.84
00MWH394	37	46.41	121	55.36	535.50	979897.19	-24.69	-42.95	0.02	0.71	-42.47	-35.46
00MWH395	37	45.92	121	54.93	492.30	979897.83	-27.40	-44.19	0.05	0.73	-43.66	-36.41
00MWH396	37	45.61	121	54.88	481.20	979899.79	-26.03	-42.44	0.04	0.72	-41.93	-34.64
00MWH397	37	45.36	121	54.81	474.10	979895.30	-30.82	-46.99	0.07	0.74	-46.45	-39.11
00MWH398	37	45.13	121	54.85	463.30	979894.66	-32.14	-47.94	0.09	0.77	-47.37	-40.02
00MWH399	37	44.90	121	54.83	455.50	979894.36	-32.84	-48.38	0.24	0.91	-47.66	-40.29
00MWH400	37	46.20	121	55.03	521.90	979897.13	-25.72	-43.52	0.04	0.73	-43.01	-35.83
00MWH401	37	46.20	121	55.03	521.90	979918.57	-4.28	-22.08	0.07	0.76	-21.54	-14.36
00MWH402	37	46.20	121	55.03	521.90	979897.33	-25.52	-43.32	0.04	0.73	-42.81	-35.63
00MWH403	37	46.54	121	58.87	516.00	979898.47	-25.43	-43.03	0.06	0.92	-42.33	-37.05
00MWH404	37	46.43	121	59.17	551.70	979899.27	-21.11	-39.93	0.09	0.97	-39.19	-34.10
00MWH405	37	46.46	121	59.50	635.70	979895.94	-16.59	-38.27	0.12	1.04	-37.50	-32.58
00MWH406	37	46.37	121	59.77	625.40	979898.17	-15.19	-36.52	0.20	1.21	-35.57	-30.81
00MWH407	37	46.31	122	0.03	718.00	979894.33	-10.24	-34.73	0.35	1.34	-33.68	-29.07
00MWH408	37	45.63	121	59.43	643.10	979895.98	-14.64	-36.57	0.51	1.62	-35.23	-30.30
00MWH409	37	45.56	121	59.72	675.90	979895.10	-12.33	-35.39	0.50	1.64	-34.03	-29.27
00MWH410	37	45.33	122	0.10	755.80	979890.21	-9.37	-35.15	0.40	1.70	-33.76	-29.24
00MWH411	37	45.68	121	59.12	616.90	979896.25	-16.91	-37.95	0.26	1.30	-36.90	-31.80
00MWH412	37	45.84	121	58.89	562.00	979896.56	-21.99	-41.16	0.03	0.98	-40.42	-35.18
00MWH413	37	46.03	121	58.73	532.80	979897.40	-24.18	-42.35	0.01	0.87	-41.70	-36.37
00MWH414	37	46.20	121	58.53	507.60	979896.68	-27.52	-44.83	0.00	0.80	-44.25	-38.82
00MWH415	37	46.27	121	58.30	496.40	979895.85	-29.50	-46.43	0.01	0.77	-45.88	-40.32
00MWH416	37	46.39	121	58.03	479.20	979895.98	-31.16	-47.51	0.00	0.72	-46.99	-41.29
00MWH417	37	46.53	121	57.68	463.30	979896.54	-32.30	-48.11	0.02	0.76	-47.55	-41.67
00MWH418	37	46.71	121	57.52	515.90	979894.47	-29.69	-47.29	0.12	0.80	-46.70	-40.75
00MWH419	37	47.12	121	57.31	609.60	979892.84	-23.10	-43.90	0.08	0.75	-43.40	-37.37
00MWH420	37	46.99	121	57.59	555.20	979894.19	-26.68	-45.62	0.04	0.71	-45.14	-39.24
00MWH421	37	46.88	121	57.90	462.50	979897.71	-31.72	-47.49	0.05	0.79	-46.90	-41.13
00MWH422	37	49.41	122	0.03	357.00	979919.60	-23.45	-35.62	0.01	1.06	-34.72	-30.03
00MWH423	37	49.25	122	0.27	371.70	979916.28	-25.15	-37.83	0.05	1.33	-36.66	-32.08
00MWH424	37	49.03	122	0.41	493.80	979907.29	-22.33	-39.18	0.29	1.68	-37.70	-33.20
00MWH425	37	48.86	122	0.69	717.20	979893.27	-15.09	-39.56	0.46	2.17	-37.69	-33.35
00MWH426	37	48.97	122	0.87	797.60	979888.84	-12.12	-39.33	0.56	2.40	-37.25	-33.00
00MWH427	37	48.85	122	1.05	988.20	979878.08	-4.78	-38.49	1.36	3.51	-35.38	-31.26
00MWH428	37	49.58	122	0.25	349.20	979920.84	-23.19	-35.10	0.03	1.12	-34.12	-29.53
00MWH429	37	49.73	122	0.42	339.80	979921.86	-23.27	-34.86	0.01	1.14	-33.87	-29.37
00MWH430	37	49.88	122	0.84	334.60	979922.00	-23.84	-35.25	0.01	1.28	-34.11	-29.81
00MWH431	37	50.14	122	0.97	321.50	979924.51	-22.94	-33.91	0.02	1.29	-32.75	-28.52
00MWH432	37	50.32	122	1.24	313.10	979925.24	-23.26	-33.94	0.02	1.33	-32.75	-28.65
00MWH433	37	50.27	122	1.81	380.30	979920.79	-21.32	-34.29	0.20	1.74	-32.71	-28.88
00MWH434	37	50.71	122	1.58	294.70	979926.85	-23.95	-34.00	0.11	1.36	-32.77	-28.84
00MWH435	37	50.93	122	1.86	277.80	979928.33	-24.38	-33.86	0.03	1.30	-32.67	-28.87
00MWH436	37	51.11	122	1.56	282.60	979928.23	-24.30	-33.93	0.23	1.33	-32.73	-28.79
00MWH437	37	51.13	122	1.17	325.30	979924.61	-23.93	-35.02	0.27	1.24	-33.92	-29.81
00MWH438	37	50.94	122	0.15	410.70	979919.83	-20.40	-34.41	0.19	1.12	-33.46	-28.86
00MWH439	37	51.20	122	0.45	354.60	979923.98	-21.91	-34.00	0.02	1.01	-33.14	-28.69
00MWH440	37	51.15	122	0.77	342.50	979923.90	-23.05	-34.73	0.07	1.00	-33.87	-29.56
00MWH441	37	51.14	122	1.09	326.10	979924.67	-23.81	-34.93	0.19	1.17	-33.90	-29.75
00MWH442	37	51.14	122	1.95	261.00	979929.51	-25.09	-33.99	0.01	1.25	-32.85	-29.09
00MWH443	37	51.32	122	2.08	248.60	979930.31	-25.72	-34.20	0.01	1.23	-33.08	-29.39
00MWH444	37	51.57	122	2.09	243.80	979931.47	-25.38	-33.69	0.02	1.14	-32.66	-28.98
00MWH445	37	51.85	122	1.98	281.70	979930.51	-23.18	-32.79	0.17	1.08	-31.82	-28.09
00MWH446	37	51.92	122	1.74	382.20	979924.61	-19.73	-32.77	0.05	0.80	-32.12	-28.28
00MWH447	37	52.01	122	1.40	371.00	979926.29	-19.24	-31.89	0.03	0.78	-31.26	-27.29
00MWH448	37	51.99	122	1.13	360.20	979927.43	-19.08	-31.37	0.02	0.83	-30.69	-26.59
00MWH449	37	52.18	122	0.90	425.70	979925.27	-15.36	-29.88	0.06	0.86	-29.20	-25.00
00MWH450	37	52.22	122	0.59	415.80	979927.69	-13.93	-28.11	0.42	1.34	-26.95	-22.61
00MWH451	37	52.23	122	0.24	463.70	979926.93	-10.20	-26.01	0.43	1.41	-24.79	-20.30
00MWH454	37	57.99	122	3.25	45.20	979971.75	-13.16	-14.70	0.01	0.55	-14.17	-11.28
00MWH455	37	58.18	122	2.96	35.50	979975.36	-10.74	-11.95	0.00	0.56	-11.40	-8.43

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
00MWH456	37	58.36	122	2.55	34.80	979979.05	-7.38	-8.56	0.00	0.55	-8.03	-4.93
00MWH457	37	58.43	122	2.31	39.70	979980.52	-5.55	-6.90	0.00	0.52	-6.39	-3.19
00MWH458	37	58.57	122	1.95	69.20	979980.49	-3.01	-5.37	0.00	0.44	-4.95	-1.65
00MWH459	37	58.70	122	1.73	79.40	979980.05	-2.68	-5.39	0.00	0.41	-5.00	-1.63
00MWH460	37	58.78	122	1.45	88.90	979979.60	-2.35	-5.38	0.00	0.40	-5.02	-1.57
00MWH461	37	58.87	122	1.13	104.50	979977.82	-2.80	-6.36	0.00	0.38	-6.02	-2.45
00MWH462	37	58.99	122	0.89	106.60	979976.42	-4.17	-7.81	0.00	0.36	-7.49	-3.86
00MWH463	37	59.11	122	0.65	108.30	979975.55	-5.06	-8.75	0.00	0.36	-8.44	-4.75
00MWH464	37	59.31	122	0.37	115.20	979974.74	-5.51	-9.44	0.00	0.34	-9.15	-5.38
00MWH465	37	59.50	122	0.16	123.70	979974.09	-5.64	-9.86	0.02	0.36	-9.55	-5.74
00MWH466	37	59.72	122	0.04	158.00	979970.87	-5.96	-11.35	0.04	0.39	-11.02	-7.19
00MWH467	37	57.75	122	3.89	33.00	979969.67	-16.03	-17.16	0.00	0.58	-16.59	-13.93
00MWH468	37	57.69	122	4.17	52.50	979968.21	-15.57	-17.36	0.02	0.59	-16.79	-14.24
00MWH469	37	57.70	122	4.47	94.80	979965.92	-13.90	-17.13	0.08	0.62	-16.55	-14.11
00MWH470	37	57.66	122	4.75	129.80	979963.65	-12.82	-17.24	0.06	0.59	-16.70	-14.36
00MWH471	37	57.49	122	4.98	147.80	979962.19	-12.34	-17.38	0.09	0.64	-16.79	-14.53
00MWH472	37	57.32	122	5.36	109.40	979962.85	-15.04	-18.77	0.03	0.74	-18.07	-15.97
00MWH473	37	57.00	122	5.49	140.60	979959.29	-15.20	-19.99	0.02	0.77	-19.28	-17.22
00MWH474	37	56.81	122	5.35	143.90	979957.88	-16.02	-20.93	0.05	0.79	-20.20	-18.08
00MWH475	37	56.58	122	5.35	202.40	979953.77	-14.29	-21.19	0.30	0.98	-20.30	-18.18
00MWH476	37	56.16	122	5.38	297.40	979947.10	-11.41	-21.55	0.28	0.98	-20.69	-18.59
00MWH477	37	56.05	122	5.64	253.00	979949.92	-12.61	-21.23	0.09	0.95	-20.39	-18.38
00MWH478	37	55.88	122	5.81	285.20	979946.49	-12.76	-22.49	0.40	1.35	-21.26	-19.33
00MWH479	37	55.56	122	5.72	274.20	979946.53	-13.29	-22.64	0.14	1.12	-21.63	-19.66
00MWH480	37	55.32	122	5.78	345.10	979940.67	-12.13	-23.90	0.26	1.19	-22.85	-20.92
00MWH481	37	54.96	122	5.97	533.40	979928.18	-6.38	-24.57	0.21	1.11	-23.69	-21.85
00MWH482	37	54.77	122	5.85	446.10	979932.65	-9.84	-25.06	0.32	1.12	-24.12	-22.22
00MWH483	37	54.50	122	5.98	368.30	979937.07	-12.35	-24.91	0.11	1.07	-23.99	-22.15
00MWH484	37	54.20	122	5.86	333.40	979938.04	-14.22	-25.59	0.44	1.36	-24.37	-22.48
00MWH485	37	53.96	122	5.73	309.40	979939.03	-15.14	-25.69	0.20	1.06	-24.76	-22.81
00MWH486	37	53.69	122	5.67	258.70	979941.29	-17.25	-26.08	0.16	1.06	-25.12	-23.13
00MWH487	37	53.47	122	5.58	239.20	979941.63	-18.42	-26.58	0.27	1.17	-25.51	-23.49
00MWH488	37	53.23	122	5.52	220.40	979942.55	-18.92	-26.44	0.09	1.05	-25.48	-23.43
00MWH489	37	55.47	122	5.39	213.20	979949.71	-15.71	-22.98	0.03	0.91	-22.16	-20.04
00MWH490	37	55.57	122	5.06	153.50	979953.36	-17.82	-23.06	0.02	0.81	-22.32	-20.05
00MWH491	37	55.58	122	4.74	127.30	979954.35	-19.31	-23.65	0.01	0.73	-22.98	-20.57
00MWH492	37	55.58	122	4.49	118.60	979953.10	-21.38	-25.43	0.01	0.69	-24.79	-22.29
00MWH493	37	55.59	122	4.19	93.50	979953.10	-23.76	-26.95	0.00	0.68	-26.30	-23.66
00MWH494	37	55.58	122	3.91	112.80	979951.66	-23.37	-27.21	0.01	0.62	-26.63	-23.87
00MWH495	37	57.62	122	1.95	47.90	979978.43	-5.68	-7.32	0.00	0.58	-6.76	-3.37
00MWH496	37	57.48	122	2.16	48.20	979975.66	-8.22	-9.86	0.00	0.58	-9.30	-5.99
00MWH497	37	57.32	122	2.40	52.50	979972.39	-10.85	-12.64	0.00	0.58	-12.08	-8.84
00MWH498	37	57.17	122	2.60	57.30	979969.50	-13.07	-15.02	0.00	0.58	-14.46	-11.29
00MWH499	37	56.70	122	3.29	58.00	979963.98	-17.84	-19.82	0.00	0.63	-19.21	-16.27
00MWH500	37	57.03	122	2.76	58.00	979967.41	-14.89	-16.87	0.00	0.59	-16.30	-13.19
00MWH501	37	58.62	122	4.21	67.10	979970.91	-12.86	-15.15	0.05	0.53	-14.65	-12.13
00MWH502	37	58.58	122	4.53	92.40	979968.31	-13.02	-16.17	0.02	0.49	-15.72	-13.33
00MWH503	37	58.66	122	4.76	121.40	979966.06	-12.66	-16.80	0.02	0.48	-16.37	-14.06
00MWH504	37	58.59	122	5.12	218.10	979958.99	-10.53	-17.97	0.11	0.57	-17.49	-15.32
00MWH505	37	58.70	122	5.39	201.50	979960.09	-11.15	-18.03	0.07	0.56	-17.55	-15.47
00MWH506	37	58.69	122	5.76	239.40	979957.72	-9.94	-18.11	0.18	0.70	-17.51	-15.57
00MWH507	37	58.46	122	5.80	326.90	979952.32	-6.78	-17.93	0.06	0.62	-17.45	-15.53
00MWH508	37	58.23	122	6.04	263.40	979956.65	-8.08	-17.07	0.25	0.85	-16.33	-14.50
00MWH509	37	47.53	122	15.98	8.80	979968.56	-4.49	-4.79	0.00	0.77	-4.02	-8.67
00MWH510	37	47.68	122	15.96	12.90	979968.77	-4.12	-4.56	0.00	0.77	-3.79	-8.39
00MWH511	37	47.82	122	16.30	21.70	979968.77	-3.49	-4.23	0.00	0.76	-3.48	-8.24
00MWH512	37	47.66	122	16.40	11.30	979969.02	-3.99	-4.37	0.00	0.76	-3.62	-8.48
00MWH513	37	48.13	122	16.89	21.50	979969.80	-2.93	-3.67	0.00	0.75	-2.92	-7.94
00MWH514	37	48.35	122	16.84	27.80	979970.12	-2.34	-3.29	0.00	0.75	-2.55	-7.49
00MWH515	37	48.59	122	16.74	27.90	979970.48	-2.32	-3.28	0.00	0.76	-2.52	-7.34
00MWH516	37	48.81	122	16.67	15.90	979971.46	-2.79	-3.34	0.00	0.77	-2.57	-7.30

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
00MWH517	37	49.02	122	16.60	20.80	979971.56	-2.54	-3.25	0.00	0.79	-2.47	-7.11
00MWH518	37	49.20	122	16.53	28.10	979971.52	-2.16	-3.11	0.00	0.80	-2.32	-6.88
00MWH519	37	49.46	122	16.46	36.70	979971.58	-1.67	-2.92	0.00	0.82	-2.11	-6.56
00MWH520	37	48.50	122	18.35	4.70	979972.59	-2.27	-2.43	0.00	0.73	-1.69	-7.50
00MWH521	37	48.53	122	18.68	11.80	979972.61	-1.62	-2.02	0.00	0.73	-1.29	-7.28
00MWH522	37	48.55	122	18.97	11.40	979973.19	-1.11	-1.50	0.00	0.73	-0.77	-6.92
00MWH523	37	48.52	122	19.27	15.10	979973.56	-0.35	-0.86	0.01	0.74	-0.12	-6.47
00MWH524	37	48.47	122	19.60	14.00	979974.28	0.34	-0.13	0.01	0.76	0.62	-5.92
00MWH525	38	8.10	122	20.63	7.40	979966.35	-36.90	-37.15	0.00	0.41	-36.74	-38.03
00MWH526	38	9.14	122	26.68	8.10	979995.34	-9.37	-9.64	0.03	0.68	-8.96	-11.71
00MWH527	38	9.05	122	26.94	44.30	979997.50	-3.67	-5.18	0.23	0.93	-4.27	-7.15
00MWH528	38	8.89	122	27.16	105.30	979996.89	1.69	-1.90	0.32	1.04	-0.90	-3.93
00MWH529	38	7.43	122	29.46	1.60	980002.55	-0.27	-0.32	0.00	0.66	0.35	-4.16
00MWH530	38	7.60	122	29.24	2.30	980002.97	-0.03	-0.11	0.00	0.66	0.55	-3.79
00MWH531	38	7.74	122	29.01	1.20	980003.54	0.23	0.19	0.00	0.65	0.85	-3.34
00MWH532	38	7.88	122	28.78	2.20	980004.05	0.63	0.56	0.00	0.63	1.19	-2.86
00MWH533	38	8.03	122	28.52	2.80	980003.83	0.25	0.15	0.00	0.63	0.79	-3.10
00MWH534	38	8.17	122	28.29	3.40	980003.05	-0.68	-0.80	0.00	0.64	-0.16	-3.90
00MWH535	38	8.31	122	28.06	4.10	980001.83	-2.04	-2.18	0.00	0.64	-1.54	-5.13
00MWH536	38	8.45	122	27.83	11.00	980001.09	-2.34	-2.71	0.03	0.69	-2.02	-5.46
00MWH537	38	8.59	122	27.60	42.80	979998.82	-1.82	-3.28	0.06	0.74	-2.56	-5.87
00MWH538	38	8.74	122	27.35	93.60	979996.18	0.10	-3.09	0.13	0.84	-2.29	-5.46
00MWH539	38	10.48	122	26.90	73.30	979991.55	-8.99	-11.49	0.05	0.73	-10.78	-12.90
00MWH540	38	9.15	122	22.77	9.20	979971.66	-32.96	-33.27	0.00	0.43	-32.84	-34.34
00MWH541	38	9.39	122	22.77	8.70	979972.51	-32.51	-32.80	0.00	0.43	-32.37	-33.75
00MWH542	38	9.75	122	22.77	3.50	979974.41	-31.62	-31.74	0.00	0.43	-31.31	-32.52
00MWH543	38	9.19	122	26.33	8.30	979989.88	-14.88	-15.17	0.03	0.62	-14.55	-17.15
00MWH544	38	9.22	122	25.97	8.70	979986.31	-18.46	-18.76	0.04	0.60	-18.15	-20.62
00MWH545	38	9.25	122	25.66	6.90	979984.21	-20.77	-21.01	0.00	0.52	-20.48	-22.84
00MWH546	38	9.28	122	25.37	7.30	979982.36	-22.63	-22.88	0.03	0.55	-22.33	-24.57
00MWH547	38	9.28	122	25.37	7.30	979992.15	-12.84	-13.09	0.00	0.52	-12.57	-14.81
00MWH548	38	13.42	122	17.03	8.20	979994.85	-16.12	-16.40	0.04	0.45	-15.95	-13.56
00MWH549	38	13.53	122	16.76	12.00	979994.63	-16.14	-16.55	0.04	0.47	-16.08	-13.55
00MWH550	38	13.45	122	16.47	24.20	979993.89	-15.62	-16.44	0.01	0.45	-16.00	-13.44
00MWH551	38	13.24	122	16.33	30.70	979993.14	-15.45	-16.49	0.01	0.44	-16.06	-13.58
00MWH552	38	13.20	122	16.01	41.00	979993.12	-14.44	-15.84	0.01	0.47	-15.39	-12.84
00MWH553	38	13.35	122	15.76	45.80	979994.42	-12.91	-14.47	0.01	0.51	-13.98	-11.29
00MWH554	38	13.39	122	15.46	69.20	979993.31	-11.88	-14.24	0.01	0.54	-13.72	-10.94
00MWH555	38	13.36	122	15.20	90.70	979992.32	-10.80	-13.89	0.04	0.60	-13.33	-10.50
00MWH556	38	13.31	122	14.84	104.20	979992.33	-9.45	-13.00	0.04	0.64	-12.40	-9.52
00MWH557	38	11.83	122	17.32	74.50	979990.24	-12.16	-14.70	0.23	0.62	-14.11	-12.66
00MWH558	38	11.83	122	16.98	101.10	979989.85	-10.05	-13.50	0.26	0.69	-12.85	-11.30
00MWH559	38	11.82	122	16.65	33.20	979991.53	-14.74	-15.87	0.01	0.39	-15.50	-13.85
00MWH560	38	11.72	122	16.35	28.10	979993.30	-13.30	-14.26	0.01	0.40	-13.87	-12.18
00MWH561	38	11.72	122	16.04	36.50	979993.08	-12.73	-13.98	0.00	0.41	-13.58	-11.81
00MWH562	38	11.71	122	15.73	43.90	979992.82	-12.28	-13.78	0.00	0.43	-13.37	-11.52
00MWH563	38	11.71	122	15.38	61.40	979992.22	-11.24	-13.33	0.00	0.46	-12.89	-10.96
00MWH564	38	8.30	122	15.28	14.10	979991.84	-11.07	-11.55	0.00	0.40	-11.16	-10.69
00MWH565	38	7.11	122	17.18	7.80	979977.19	-24.57	-24.84	0.02	0.39	-24.45	-25.05
00MWH566	38	9.32	122	24.93	7.40	979979.64	-25.40	-25.65	0.02	0.53	-25.12	-27.21
00MWH567	38	9.28	122	23.97	10.90	979974.50	-30.15	-30.52	0.03	0.49	-30.03	-31.85
00MWH568	38	9.22	122	23.70	10.30	979973.59	-31.03	-31.38	0.02	0.46	-30.92	-32.69
00MWH569	38	9.15	122	23.39	11.00	979972.71	-31.74	-32.12	0.02	0.46	-31.66	-33.37
00MWH570	38	9.08	122	23.13	10.20	979971.93	-32.49	-32.84	0.02	0.45	-32.39	-34.04
00MWH571	38	8.94	122	22.80	10.50	979970.82	-33.37	-33.73	0.00	0.43	-33.30	-34.91
00MWH572	38	8.77	122	22.49	9.70	979969.82	-34.20	-34.53	0.00	0.43	-34.10	-35.68
00MWH573	38	8.67	122	22.17	10.30	979969.07	-34.74	-35.09	0.02	0.44	-34.65	-36.17
00MWH574	38	8.51	122	21.79	7.90	979968.27	-35.53	-35.80	0.02	0.44	-35.36	-36.84
00MWH575	38	8.42	122	21.50	10.20	979967.54	-35.92	-36.26	0.02	0.44	-35.83	-37.25
00MWH576	38	8.29	122	21.14	10.20	979966.90	-36.37	-36.71	0.02	0.43	-36.28	-37.66
00MWH577	38	8.19	122	20.94	11.90	979966.32	-36.64	-37.05	0.02	0.43	-36.62	-37.98

Table 2. Principal facts for gravity stations along the Hayward fault and vicinity--Continued

Station	Lat		Long		Elev ft	OG mGal	FAA mGal	SBA mGal	TC		CBA mGal	ISO mGal
	deg	min	deg	min					inner mGal	total mGal		
00MWH578	38	7.99	122	20.34	11.50	979965.82	-36.88	-37.28	0.00	0.41	-36.87	-38.12
00MWH579	38	7.88	122	20.07	10.80	979965.58	-37.03	-37.40	0.00	0.41	-36.99	-38.20
00MWH580	38	7.78	122	19.81	11.70	979965.36	-37.02	-37.42	0.01	0.41	-37.01	-38.18
00MWH581	38	7.67	122	19.54	11.40	979965.22	-37.03	-37.41	0.00	0.40	-37.02	-38.14
00MWH582	38	7.56	122	19.28	10.90	979965.26	-36.87	-37.24	0.00	0.40	-36.84	-37.92
00MWH583	38	7.46	122	19.03	11.60	979965.20	-36.72	-37.12	0.00	0.38	-36.74	-37.79
00MWH584	38	7.32	122	18.72	11.90	979965.34	-36.45	-36.85	0.03	0.40	-36.45	-37.45
00MWH585	38	7.20	122	18.47	11.70	979965.58	-35.95	-36.35	0.03	0.41	-35.94	-36.90
00MWH586	38	7.09	122	18.21	10.40	979966.87	-34.62	-34.98	0.02	0.39	-34.58	-35.51
00MWH587	38	7.05	122	17.95	10.10	979968.68	-32.78	-33.13	0.03	0.40	-32.72	-33.58
00MWH588	38	7.04	122	17.56	8.40	979972.66	-28.95	-29.23	0.03	0.40	-28.83	-29.57
00MWH589	38	7.36	122	16.39	29.30	979983.59	-16.52	-17.52	0.04	0.40	-17.12	-17.35
00MWH590	38	7.46	122	16.19	25.60	979985.25	-15.35	-16.23	0.08	0.44	-15.79	-15.92
00MWH591	38	7.63	122	15.99	7.50	979986.83	-15.72	-15.98	0.00	0.37	-15.61	-15.60
00MWH592	38	7.91	122	15.69	8.00	979988.92	-14.00	-14.27	0.00	0.37	-13.90	-13.69
00MWH593	38	8.06	122	15.52	8.20	979990.36	-12.76	-13.04	0.00	0.38	-12.66	-12.36
00MWH594	38	10.81	122	16.24	20.00	979992.59	-13.44	-14.13	0.01	0.41	-13.72	-12.45
00MWH595	38	10.86	122	15.96	47.40	979992.69	-10.84	-12.46	0.10	0.51	-11.97	-10.59
00MWH596	38	10.84	122	15.68	99.40	979990.55	-8.06	-11.45	0.12	0.55	-10.94	-9.50
00MWH597	38	10.85	122	15.38	55.10	979994.31	-8.48	-10.36	0.06	0.51	-9.87	-8.35
00MWH598	38	11.11	122	15.40	62.50	979993.50	-8.98	-11.11	0.05	0.50	-10.63	-8.99
00MWH599	38	11.09	122	15.12	68.50	979994.02	-7.86	-10.20	0.00	0.49	-9.73	-8.02
00MWH600	38	10.85	122	15.24	61.60	979994.21	-7.97	-10.07	0.01	0.47	-9.62	-8.06
00MWH601	38	10.61	122	15.21	63.40	979993.85	-7.81	-9.97	0.00	0.45	-9.55	-8.10
00MWH602	38	10.37	122	15.16	65.20	979993.40	-7.74	-9.96	0.01	0.45	-9.54	-8.18
00MWH603	38	10.13	122	15.13	55.00	979992.77	-8.98	-10.85	0.00	0.43	-10.44	-9.19
00MWH604	38	9.98	122	16.02	12.60	979991.16	-14.35	-14.78	0.00	0.37	-14.41	-13.48
00MWH605	38	9.92	122	15.63	25.20	979992.34	-11.90	-12.76	0.01	0.40	-12.37	-11.35
00MWH606	38	9.94	122	15.25	41.50	979992.64	-10.10	-11.51	0.01	0.42	-11.10	-9.97
00MWH607	38	9.92	122	14.88	53.30	979994.17	-7.43	-9.25	0.01	0.46	-8.81	-7.59
00MWH608	38	9.91	122	14.61	66.10	979995.30	-5.08	-7.33	0.00	0.48	-6.88	-5.59
00MWH609	38	9.85	122	14.10	87.40	979997.21	-1.08	-4.06	0.03	0.61	-3.48	-2.07