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Regional groundwater flow system in a stratovolcano adjacent to a coastal area: a case study of Mt. Fuji and Suruga Bay, Japan

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Table S1 Results for in-situ physicochemical parameters and chemical analysis of well water.

(-: not measured. The data except $E_{N.H.E.}$, vanadium concentration observed in 2014, and ^{3}H concentration, are from Ono et al. 2016)

Site name	Type	Surface elevation (m)	Well depth (m)	Screen depth (m)	Sampling date	Water Temp. (°C)	pH	EC (μS/cm)	ORP (mV)	$E_{N.H.E.}$ (mV)	DO (mg/L)	HCO_3^- (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Mg^{2+} (mg/L)	Ca^{2+} (mg/L)	V (μg/L)	$\delta^{18}O$ (‰)	δD (‰)	^{3}H (T.U.)
W1	Well	677	12	unknown	26-Nov-13	10.5	8.3	115	216	432	10.0	39.9	3.5	3.3	8.9	7.9	1.3	3.2	8.9	60.9	-9.9	-67	-
					17-Jul-14	11.2	7.9	111	243	459	10.3	36.1	3.9	4.3	9.9	7.9	1.7	2.8	8.5	56.0	-10.2	-67	1.4
W2	Well	574	250	179-206, 212-217	26-Nov-13	11.7	8.7	67	195	410	10.6	35.6	0.6	0.6	0.5	5.4	0.2	1.9	5.2	57.0	-10.4	-69	-
					17-Jul-14	12.2	8.5	61	244	459	10.1	35.7	0.8	0.8	0.7	5.5	0.3	1.7	5.3	45.7	-10.0	-68	＜0.3
W3	Well	528	120	76-120	9-Dec-14	12.0	7.9	160	173	388	6.2	58.3	4.6	6.3	10.0	10.1	1.7	4.5	12.0	39.8	-9.2	-61	1.3
W4	Well	525	252	168-252	9-Dec-14	13.7	8.0	98	144	358	9.1	43.3	2.3	2.7	3.7	6.0	1.5	2.7	8.7	32.6	-8.3	-53	1.2
W5	Well	277	94	unknown	26-Nov-13	14.1	7.7	123	228	442	9.4	51.5	2.6	4.6	3.1	7.3	1.6	3.2	10.9	61.9	-8.9	-58	-
					10-Sep-14	14.3	7.3	126	166	379	9.9	56.3	3.0	5.6	3.7	7.3	1.7	3.5	11.5	50.9	-8.7	-58	1.1
W6	Well	372	250	124-129, 135-140, 151-162, 168-178, 184-217, 223-245	26-Nov-13	13.4	8.2	97	141	355	9.5	38.7	2.0	1.7	4.8	5.3	1.5	3.1	7.1	52.1	-8.5	-55	-
					17-Jul-14	13.5	8.2	90	218	432	9.4	37.7	2.2	2.2	5.3	5.3	1.6	2.9	7.0	41.9	-8.4	-55	1.6
W7	Well	579	313	235-247, 259-277, 289-307	26-Nov-13	13.2	8.3	80	186	400	8.6	38.3	1.1	0.8	2.0	5.0	0.8	2.3	6.5	56.2	-9.1	-59	-
					17-Jul-14	13.0	8.2	75	236	450	9.4	37.8	1.3	1.0	2.3	4.9	0.8	2.3	6.6	48.6	-9.2	-60	2.1
W8	Well	134	53	25-53	26-Nov-13	14.2	7.4	156	213	427	8.3	54.3	3.4	6.3	6.1	8.8	1.7	3.1	12.5	58.4	-9.2	-61	-
					17-Jul-14	14.5	7.8	133	237	450	9.0	53.5	1.5	0.7	4.7	9.0	1.0	3.1	9.5	50.9	-8.9	-61	0.7
W9	Well	143	100	36-47, 52-63, 69-80	26-Nov-13	17.3	7.6	382	209	420	3.2	79.7	21.9	1.6	71.0	41.6	2.0	9.5	19.0	88.7	-10.8	-74	-
					17-Jul-14	17.8	7.8	380	209	420	3.5	80.3	21.8	2.0	73.8	41.5	2.0	9.2	19.2	91.4	-11.0	-74	＜0.3
W10	Well	259	245	90-96, 101-107, 117-134, 145-156, 167-172, 178-184, 189-	26-Nov-13	13.8	7.5	136	180	394	7.8	44.4	1.5	0.3	19.4	7.1	1.1	4.0	12.4	39.2	-8.5	-57	-
					17-Jul-14	14.0	8.1	133	226	440	8.0	44.7	1.7	2.3	2.8	6.0	0.9	2.2	8.1	30.3	-8.7	-56	0.8
W11	Well	256	183	111-128, 136-142, 153-159, 165-171	26-Nov-13	13.7	8.2	90	212	426	9.0	41.2	1.5	1.7	2.4	6.0	0.9	2.0	8.0	57.0	-8.8	-57	-
					17-Jul-14	14.0	7.6	83	225	439	9.5	40.4	2.2	1.8	4.8	6.4	1.0	2.2	7.4	47.2	-8.9	-57	1.4
W12	Well	116	246	169-175, 187-193, 199-205, 212-217, 223-229, 235-241	26-Nov-13	13.4	8.0	116	166	380	8.3	57.0	1.2	0.5	3.9	9.1	0.9	3.2	9.4	62.4	-9.5	-62	-
					17-Jul-14	13.7	8.2	116	234	448	8.3	57.1	1.5	0.7	4.7	9.0	1.0	3.1	9.5	51.9	-9.6	-62	＜0.3
W13	Well	108	122	80-110	28-Nov-14	14.9	8.1	157	97	310	7.4	55.4	3.6	9.0	5.4	10.5	2.0	3.8	13.0	65.3	-8.3	-54	0.3
W14	Well	48	160	100-133	4-Dec-14	16.8	8.2	144	123	335	8.2	65.4	3.3	0.1	11.6	9.1	2.3	4.7	12.0	0.1	-7.8	-50	0.5
W15	Well	92	182	131-149, 152-164, 167-177	26-Nov-13	13.8	7.8	91	174	388	9.4	38.6	1.9	1.3	4.1	6.4	1.0	2.3	7.2	55.6	-8.7	-57	-
					17-Jul-14	14.1	8.2	91	236	450	9.3	37.8	2.1	0.5	20.8	7.2	1.2	3.6	12.5	47.6	-8.8	-57	1.7
W16	Well	84	152	102-146	8-Dec-14	15.2	7.7	255	124	336	8.6	39.0	10.2	47.3	26.5	8.9	3.0	9.7	19.8	11.9	-7.2	-46	1.3
W17	Well	4	unknown	35-76	7-Nov-14	15.9	7.5	3620	122	334	6.7	62.7	1042.5	0.0	171.1	441.5	11.4	65.3	176.8	27.1	-7.6	-49	＜0.3
W18	Well	4	250	190-250	7-Nov-14	15.1	8.1	834	60	273	7.6	53.6	193.4	0.7	46.8	96.5	3.1	14.1	39.4	28.1	-8.6	-55	＜0.3
W19	Artesian well	5	254	210-254	28-Nov-14	13.7	8.3	120	138	352	8.7	48.1	4.1	0.4	9.5	11.5	1.3	2.7	8.2	71.0	-8.9	-57	＜0.3
W20	Artesian well	5	140	110-130	7-Nov-14	14.7	7.5	567	143	356	6.5	71.9	110.7	3.6	32.7	69.1	3.0	10.3	23.2	39.9	-9.1	-59	＜0.3

Table S1 (continued)

Site name	Type	Surface elevation (m)	Well depth (m)	Screen depth (m)	Sampling date	Water Temp. (°C)	pH	EC (μS/cm)	ORP (mV)	$E_{N.H.E.}$ (mV)	DO (mg/L)	HCO_3^- (mg/L)	Cl^- (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Mg^{2+} (mg/L)	Ca^{2+} (mg/L)	V (μg/L)	$\delta^{18}O$ (‰)	δD (‰)	^3H (T.U.)
W21	Well	5	50	unknown	7-Nov-14	13.9	8.7	97	147	361	9.0	46.9	2.4	0.4	6.5	7.8	1.3	2.8	8.7	34.7	-9.1	-58	＜0.3
W22	Well	5	320	259-314	28-Nov-14	13.6	8.5	130	132	345	7.8	55.9	3.3	0.4	10.6	9.6	1.5	3.5	11.0	36.7	-8.9	-58	＜0.3
W23	Well	5	unknown	65-?	7-Nov-14	17.0	7.2	232	177	388	8.2	60.9	16.7	13.6	17.3	17.3	2.9	6.9	15.5	32.2	-8.2	-52	1.1
W24	Well	10	130	82-94, 100-124	26-Nov-13	13.2	8.2	141	205	419	7.5	60.7	2.3	0.5	8.9	10.8	1.3	4.0	11.1	69.4	-9.5	-63	-
					17-Jul-14	13.4	8.2	137	220	434	8.2	59.8	3.6	7.7	7.2	8.6	1.7	3.3	12.4	61.3	-9.4	-63	＜0.3
W25	Well	9	200	156-200	28-Nov-14	15.4	7.1	209	128	341	9.2	63.8	8.5	17.9	14.5	10.6	2.9	6.6	18.1	29.2	-8.1	-52	0.6
W26	Well	4	112	unknown	27-Nov-14	16.2	7.1	238	137	349	6.2	65.1	18.7	10.2	19.2	18.0	2.8	6.6	15.3	37.8	-8.6	-56	0.9
W27	Artesian well	5	180	unknown	27-Nov-14	14.5	7.7	447	114	327	2.4	73.3	66.5	0.6	38.7	24.9	4.0	12.7	34.5	38.2	-9.6	-61	＜0.3
W28	Well	10	18	8-11	28-Nov-14	15.7	7.4	174	143	356	7.0	63.6	5.5	9.4	14.7	9.5	2.4	5.7	14.6	31.1	-8.2	-54	0.9
W29	Well	17	20	unknown	28-Nov-14	15.7	7.1	174	95	308	7.7	67.1	5.1	8.7	13.6	9.1	2.3	5.9	14.8	29.6	-8.3	-54	0.9
W30	Well	6	200	140-200	4-Dec-14	14.2	8.0	253	183	397	4.2	101.1	6.3	0.5	30.6	20.5	2.4	7.3	18.9	62.1	-10.2	-66	＜0.3
W31	Well	5	250	unknown	4-Dec-14	14.1	8.2	274	185	399	3.6	86.5	12.0	0.3	40.8	20.0	2.1	9.6	19.2	46.8	-9.8	-63	＜0.3
W32	Well	8	180	150-170	26-Nov-14	15.1	7.9	374	95	308	3.3	85.1	30.6	0.3	48.3	26.8	2.3	11.5	24.1	69.9	-10.1	-65	＜0.3
W33	Well	4	67	40-51, 56-67	26-Nov-14	17.7	7.1	251	134	345	2.7	89.8	7.4	10.3	24.6	9.1	1.8	5.2	31.8	3.3	-8.5	-56	0.6
W34	Well	5	57	26-40	26-Nov-14	18.1	6.9	273	123	333	3.3	99.8	7.6	10.2	26.1	10.6	2.2	5.2	33.6	3.0	-8.4	-55	0.8
W35	Well	10	50	25-40	4-Dec-14	16.4	7.7	276	115	327	2.7	98.6	6.7	14.0	24.7	8.8	1.8	5.3	35.5	7.5	-8.5	-56	1.2
W36	Well	10	110	62-104	26-Nov-14	16.2	7.7	262	142	354	3.0	92.5	6.3	12.4	22.2	9.9	1.8	5.0	30.9	8.1	-8.6	-56	0.9
W37	Well	13	130	43-64, 86-130	26-Nov-13	16.5	7.8	169	-	-	6.3	57.0	4.3	7.5	13.3	9.7	1.8	4.7	14.6	38.3	-8.3	-55	-
					17-Jul-14	16.5	7.8	167	253	465	6.7	57.0	4.6	8.4	14.5	9.6	1.9	4.7	14.7	31.2	-8.6	-55	0.8
W38	Well	17	100	70-100	26-Nov-14	17.3	6.9	197	140	351	7.4	67.6	6.2	9.6	19.0	9.1	1.8	5.7	18.5	4.7	-8.6	-55	1.1
W39	Well	20	200	106-200	26-Nov-14	19.2	7.1	160	124	334	7.6	58.4	6.3	11.6	15.0	9.5	2.2	5.8	15.2	23.0	-8.4	-54	0.9
W40	Well	24	182	85-97, 115-127, 133-145, 151-163, 169-175	26-Nov-13	16.4	7.6	192	194	406	4.9	56.7	6.6	13.2	15.7	9.5	1.8	6.1	16.5	31.0	-8.1	-54	-
					17-Jul-14	16.9	8.0	183	217	429	-	57.6	6.7	14.5	17.1	9.4	1.9	6.1	16.7	28.9	-8.5	-55	0.7
W41	Well	24	30	17-20	4-Dec-14	17.8	6.7	195	82	293	5.5	65.3	6.5	9.6	18.9	9.5	2.0	6.2	18.0	7.2	-8.5	-55	1.1
W42	Well	20	65	30-?	25-Nov-14	17.5	6.7	255	141	352	4.5	93.8	8.1	7.5	22.2	11.0	2.3	4.6	31.6	2.7	-8.5	-57	1.8
W43	Well	17	60	45-60	25-Nov-14	18.3	6.8	322	257	468	4.7	104.0	12.6	13.5	35.6	14.6	2.6	5.3	38.9	3.6	-8.2	-54	1.6
W44	Well	18	75	20-70	25-Nov-14	17.8	7.2	274	72	283	5.0	78.4	8.9	16.1	30.9	17.1	1.9	6.8	23.6	7.6	-7.9	-51	1.0
W45	Well	18	70	60-70	25-Nov-14	17.5	6.9	255	145	356	7.0	80.7	9.0	16.8	32.9	16.7	1.9	7.5	23.1	8.9	-7.6	-49	0.9
W46	Well	16	98	53-85	25-Nov-14	17.5	7.1	290	152	363	4.5	101.7	9.2	7.7	23.5	10.7	2.2	5.4	35.7	5.5	-8.9	-58	1.1
W47	Well	16	100	35-60	26-Nov-14	18.2	7.0	308	142	353	3.4	105.0	11.2	11.2	31.0	13.3	2.2	5.8	37.4	3.2	-8.4	-55	1.7
W48	Well	15	77	39-67	26-Nov-14	18.7	6.8	337	112	323	0.5	100.4	21.6	5.6	38.4	27.7	2.0	6.5	29.8	5.1	-7.7	-49	0.9
W49	Well	11	100	unknown	25-Nov-14	16.9	7.0	244	-15	197	4.2	82.9	11.8	6.3	24.5	9.2	1.9	6.0	28.2	6.1	-9.0	-60	1.5
W50	Well	6	9	unknown	25-Nov-14	21.6	7.3	355	139	347	3.6	106.2	16.2	10.3	40.9	19.8	2.2	6.3	38.9	2.0	-8.3	-54	1.4
W51	Well	9	10	unknown	25-Nov-14	19.4	6.7	287	89	299	4.5	94.8	15.3	11.1	25.2	14.1	1.8	7.0	30.2	2.4	-7.7	-50	1.1
W52	Well	10	9	unknown	25-Nov-14	18.7	6.7	245	152	362	6.8	53.0	21.3	18.5	21.0	20.2	3.4	7.2	15.6	4.5	-7.3	-46	1.5
W53	Well	8	9	unknown	25-Nov-14	20.8	6.7	409	197	406	3.8	162.5	13.2	24.3	21.8	45.2	3.0	6.8	30.1	1.6	-7.4	-46	1.5

Table S2 Results for in-situ physicochemical parameters and chemical analysis of spring water. (-: not measured. The data except $E_{N.H.E.}$ and vanadium concentration observed in 2014 are from Ono et al. 2016)

Site name	Surface elevation (m)	Sampling date	Water Temp. (°C)	pH	EC (μS/cm)	ORP (mV)	$E_{N.H.E.}$ (mV)	DO (mg/L)	HCO_3^- (mg/L)	Cl (mg/L)	NO_3^- (mg/L)	SO_4^{2-} (mg/L)	Na^+ (mg/L)	K^+ (mg/L)	Mg^{2+} (mg/L)	Ca^{2+} (mg/L)	V (μg/L)	$\delta^{18}O$ (‰)	δD (‰)
S1	716	11-Nov-13	10.3	7.0	98	256	472	9.2	34.2	3.8	2.7	6.5	5.7	1.2	2.1	8.9	29.4	-9.1	-60
		16-Sep-14	10.6	7.0	98	188	404	9.5	31.8	3.9	3.8	7.0	5.6	1.2	2.4	9.0	26.3	-9.2	-60
S2	705	11-Nov-13	11.0	7.3	89	192	408	8.8	34.3	3.2	2.9	5.1	4.7	1.2	1.9	9.0	18.3	-8.8	-58
		16-Sep-14	11.2	6.4	89	161	377	8.9	28.4	3.2	4.2	5.4	4.5	1.1	2.1	8.9	16.3	-8.9	-58
S3	694	11-Nov-13	11.6	7.0	58	200	415	9.3	29.1	2.3	3.0	4.4	3.6	0.9	1.5	8.3	22.0	-8.7	-57
		16-Sep-14	11.9	6.8	79	181	396	8.5	34.9	2.3	4.2	4.9	3.6	0.9	1.8	8.6	10.5	-8.8	-57
S4	695	11-Nov-13	12.3	7.2	69	226	441	9.6	22.7	1.0	1.9	7.4	2.6	0.3	1.0	7.9	1.0	-8.7	-56
		16-Sep-14	12.3	6.8	71	203	418	9.6	25.2	1.1	2.1	8.3	2.6	0.4	1.4	8.3	0.9	-8.8	-55
S5	670	11-Nov-13	12.3	7.6	97	211	426	8.1	36.9	1.2	2.1	8.8	3.6	0.1	1.8	11.8	2.1	-8.3	-53
		16-Sep-14	12.6	7.6	100	212	427	7.9	32.4	1.4	2.6	9.8	3.6	0.2	2.2	12.2	1.9	-8.3	-52
S6	480	11-Nov-13	12.6	6.9	128	127	342	8.8	44.1	4.7	5.3	9.1	8.6	1.8	3.2	10.3	42.9	-9.4	-61
		16-Sep-14	13.2	6.9	118	199	413	7.1	39.1	4.7	6.5	9.6	8.7	1.7	3.5	10.4	34.7	-9.3	-61
S7	241	12-Nov-13	15.0	7.8	156	161	374	9.2	61.3	4.5	6.6	8.3	8.4	1.8	3.7	14.4	31.7	-8.7	-57
		16-Sep-14	15.6	7.2	168	202	415	-	60.1	4.8	8.4	10.1	8.5	1.8	5.4	15.5	26.0	-8.6	-57
S8	421	11-Nov-13	15.2	6.9	179	150	363	7.0	75.1	2.5	15.2	3.4	5.6	2.2	4.4	19.5	40.0	-7.7	-50
		16-Sep-14	16.9	6.9	187	216	428	5.4	70.7	4.4	15.1	4.6	5.7	2.3	5.8	20.6	34.3	-7.2	-47
S9	1633	28-Nov-13	8.6	7.9	69	250	467	8.9	31.2	0.9	0.8	1.0	2.6	0.9	2.1	6.4	21.2	-9.5	-61
		17-Sep-14	9.1	7.5	69	248	465	8.5	37.3	1.3	0.8	1.1	2.7	0.9	2.4	6.8	15.9	-9.3	-58
S10	396	11-Nov-13	14.0	7.6	163	231	445	9.2	50.6	3.9	20.0	8.2	5.2	0.8	5.2	17.7	6.6	-7.6	-49
		16-Sep-14	18.3	7.4	178	200	411	7.6	54.1	4.1	24.5	11.4	5.6	0.9	5.4	19.2	5.3	-7.6	-49
S11	499	11-Nov-13	13.9	7.3	129	239	453	8.5	53.3	4.0	6.6	3.6	4.7	0.5	3.6	14.5	8.9	-7.6	-49
		16-Sep-14	16.8	7.2	156	195	407	7.6	64.2	4.5	9.4	2.6	5.4	0.6	4.6	18.2	4.5	-7.7	-49
S12	334	11-Nov-13	14.8	7.0	145	239	452	9.1	53.1	3.4	8.7	9.2	5.2	2.2	4.0	15.6	14.9	-7.7	-50
		16-Sep-14	15.2	6.8	149	204	417	9.2	52.6	3.7	8.5	9.5	5.4	2.2	4.2	16.0	13.9	-7.6	-49
S13	525	14-Nov-13	12.2	7.4	157	212	427	2.7	54.6	6.0	10.6	6.5	5.5	2.1	5.8	13.5	66.2	-7.4	-46
		17-Sep-14	17.2	6.8	154	193	405	0.9	52.2	6.8	7.1	7.5	5.2	2.5	6.0	14.1	43.1	-7.0	-43
S14	120	12-Nov-13	14.0	7.2	129	206	420	8.8	48.7	5.0	5.9	7.2	7.3	2.1	2.7	11.7	48.2	-8.7	-57
		17-Sep-14	14.2	6.9	124	219	433	9.7	47.4	4.5	7.0	8.0	7.1	2.0	4.2	11.8	40.5	-8.7	-56
S15	120	12-Nov-13	14.4	7.2	141	208	421	8.6	48.6	8.5	5.6	5.6	8.0	2.2	2.7	12.4	49.6	-8.9	-57
		17-Sep-14	14.4	6.8	148	206	419	8.8	46.3	8.0	7.7	7.3	8.3	2.2	4.0	12.9	42.0	-8.7	-57
S16	127	12-Nov-13	14.2	7.3	133	211	425	8.7	51.7	5.2	5.6	4.7	7.8	2.0	2.4	12.2	55.6	-9.0	-59
		17-Sep-14	14.5	6.8	131	202	415	9.5	57.7	5.3	7.4	6.1	8.1	2.0	3.7	12.6	47.8	-8.9	-58
S17	128	12-Nov-13	15.1	7.4	175	163	375	6.9	58.3	7.0	5.2	16.2	14.7	1.8	3.1	13.0	73.4	-9.3	-62
		17-Sep-14	15.2	7.0	179	206	419	7.2	60.3	6.3	6.2	17.5	14.5	1.8	4.6	13.0	64.1	-9.6	-63
S18	161	12-Nov-13	13.8	7.5	148	199	413	8.8	54.1	3.0	5.1	12.8	6.8	1.7	4.1	13.5	41.0	-8.5	-56
		17-Sep-14	14.3	7.4	140	206	419	8.5	53.2	3.8	5.8	13.8	7.0	2.4	5.4	13.5	33.0	-8.4	-56
S19	195	12-Nov-13	15.6	7.1	169	203	416	7.1	47.1	5.3	13.8	16.1	6.5	2.7	3.4	17.7	8.9	-7.6	-49
		17-Sep-14	15.2	6.8	182	259	472	9.1	51.6	5.4	18.3	18.8	6.9	2.7	5.1	19.7	8.0	-7.3	-47
S20	231	12-Nov-13	15.8	7.0	178	210	422	8.4	36.2	5.7	17.3	21.6	6.1	3.1	3.3	18.3	11.7	-7.5	-48
		17-Sep-14	15.9	6.9	186	269	481	9.8	39.9	5.9	21.2	22.8	6.3	3.0	4.6	19.1	10.7	-7.4	-48
S21	195	12-Nov-13	16.1	7.5	191	209	421	8.6	34.3	5.7	24.1	32.7	6.0	4.7	4.8	21.6	15.7	-7.3	-47
		17-Sep-14	16.5	7.0	208	224	436	9.4	39.6	7.2	31.1	32.2	7.1	4.3	6.3	22.0	12.1	-7.3	-47
S22	339	14-Nov-13	14.1	7.1	214	236	450	4.5	64.4	7.4	22.5	9.6	9.3	6.1	6.4	16.9	45.2	-7.3	-45
		17-Sep-14	18.6	6.9	205	181	391	6.2	73.5	7.2	16.4	11.0	9.4	6.0	6.4	16.6	45.8	-7.1	-44
S23	108	12-Nov-13	15.7	7.7	176	231	444	9.1	79.2	5.8	8.7	1.4	6.9	1.3	4.2	19.1	17.8	-7.5	-47
		17-Sep-14	16.3	7.3	183	305	517	9.2	84.5	5.7	11.8	2.7	6.8	1.3	6.1	19.2	14.4	-7.5	-47
S24	92	12-Nov-13	17.3	6.5	210	212	423	8.5	38.6	6.7	22.0	28.0	7.1	3.8	4.4	21.4	13.0	-7.4	-47
		17-Sep-14	17.6	6.4	212	241	452	9.0	57.3	7.8	25.8	27.4	7.1	3.6	5.5	20.7	15.2	-7.3	-46
S25	160	13-Dec-14	14.3	6.9	125	187	400	9.2	51.8	3.9	4.0	3.4	5.7	1.7	3.9	11.8	7.5	-7.5	-46
S26	325	13-Dec-14	12.7	7.2	86	141	355	9.1	46.5	2.8	3.3	1.3	5.7	0.4	3.5	10.1	3.3	-7.8	-49
S27	13	20-Jan-15	14.0	7.5	187	254	468	6.1	66.1	8.0	5.3	18.4	9.5	1.6	3.4	21.2	4.8	-9.0	-59
S28	10	12-Nov-13	15.0	7.5	167	216	429	7.0	63.4	5.8	8.8	7.4	8.7	2.6	4.3	14.8	47.0	-8.1	-52
		16-Sep-14	15.3	7.1	184	110	323	8.9	68.0	7.3	14.0	10.8	9.5	2.7	6.1	16.5	40.2	-8.1	-52
S29	5	13-Nov-13	14.9	7.3	171	197	410	8.6	58.2	5.6	10.5	11.1	9.2	2.6	4.4	14.9	37.7	-8.2	-52
		02-Oct-14	15.0	6.7	160	222	435	8.2	57.9	5.6	11.9	12.2	8.9	2.5	5.6	15.1	37.9	-8.2	-53
S30	9	13-Nov-13	14.5	7.4	135	171	384	9.3	43.3	3.3	8.8	10.5	6.9	2.1	2.8	12.1	39.6	-8.4	-55
		02-Oct-14	14.9	6.8	132	232	445	8.3	41.9	3.2	8.6	10.2	6.8	2.0	3.9	11.8	37.0	-8.7	-55
S31	20	13-Nov-13	14.0	7.5	118	157	371	9.3	41.9	3.0	6.3	7.5	6.5	1.6	2.5	10.4	43.3	-8.5	-55
		02-Oct-14	14.1	6.9	121	227	441	9.8	40.2	2.9	7.2	8.4	6.6	1.6	3.7	10.7	31.5	-8.7	-55
S32	28	13-Nov-13	13.4	7.7	89	176	390	9.8	36.7	2.3	2.5	4.3	6.0	1.2	1.7	7.3	42.7	-8.7	-56
		02-Oct-14	13.6	7.1	89	228	442	9.8	34.8	2.4	3.0	5.2	6.1	1.2	2.7	7.7	39.6	-8.9	-56
S33	26	13-Nov-13	13.7	7.9	94	197	410	6.7	37.0	3.0	3.0	4.6	6.1	1.6	1.9	7.7	37.6	-8.4	-55
		16-Sep-14	14.5	7.3	96	167	380	10.5	50.8	3.1	3.8	5.3	6.1	1.6	2.8	7.9	32.9	-8.6	-55
S34	9	13-Nov-13	14.2	7.4	110	191	405	9.3	38.4	4.1	5.3	6.2	6.4	2.1	2.4	8.8	36.5	-8.2	-53
		02-Oct-14	14.4	7.0	113	217	430	10.2	42.6	4.2	6.1	7.3	6.5	2.1	3.4	9.1	35.4	-8.6	-53
S35	18	13-Nov-13	16.8	7.2	209	199	411	8.2	51.7	7.8	22.3	19.5	8.0	3.7	6.6	18.3	20.9	-7.4	-47
		02-Oct-14	16.9	6.7	207	210	422	8.8	55.8	7.6	24.4	20.4	8.0	3.5	7.6	18.1	16.7	-7.5	-47

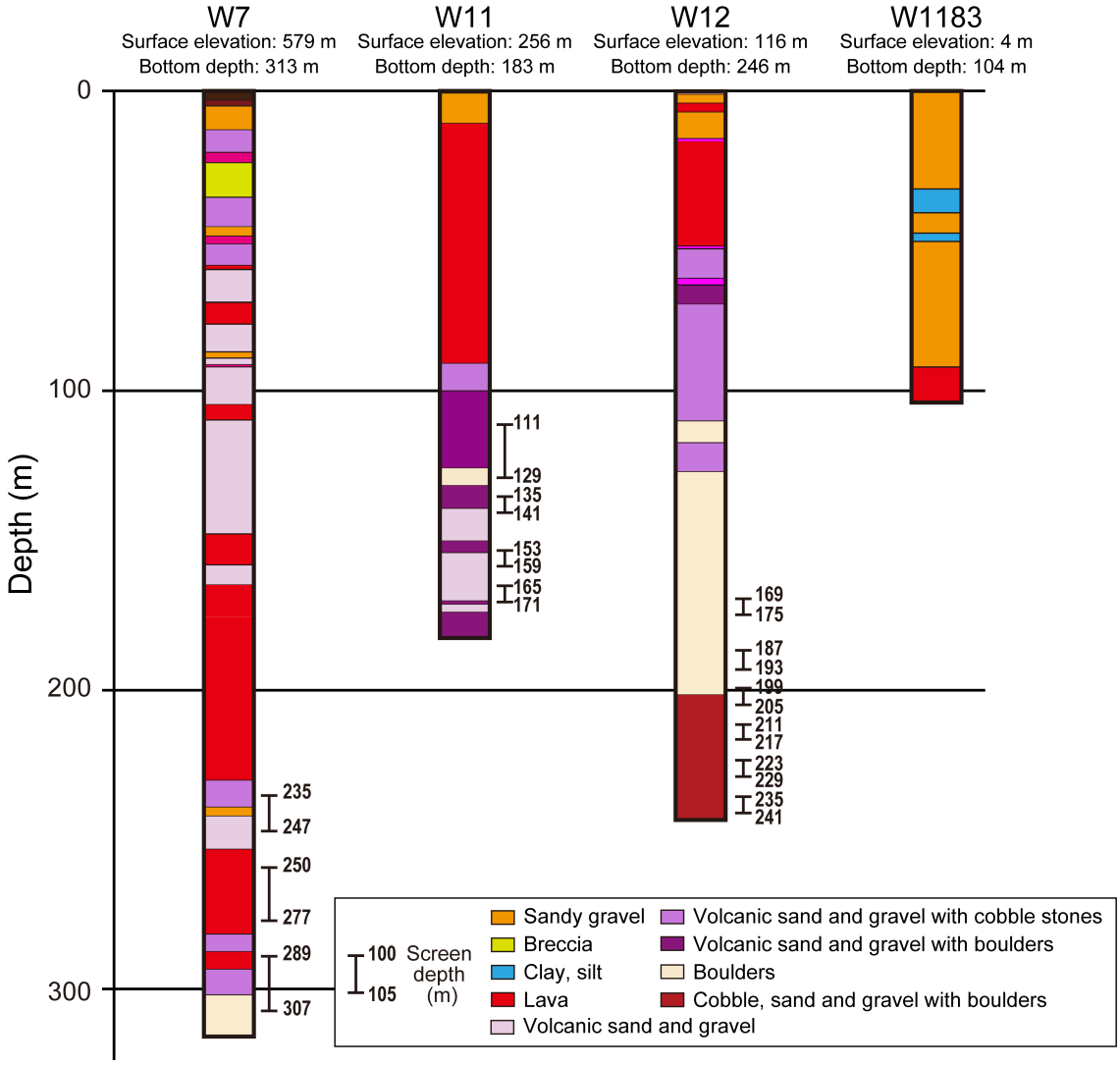

Fig. S1 Geologic log profiles at the southwestern foot of Mt. Fuji: The profiles of W7, W11, and W12 are shown in Fig. 9(a). The profile of W1183 is modified from Earthquake Preparedness Division, Shizuoka Prefecture Government (1984), and shown in Fig. 9 (a) and (b).

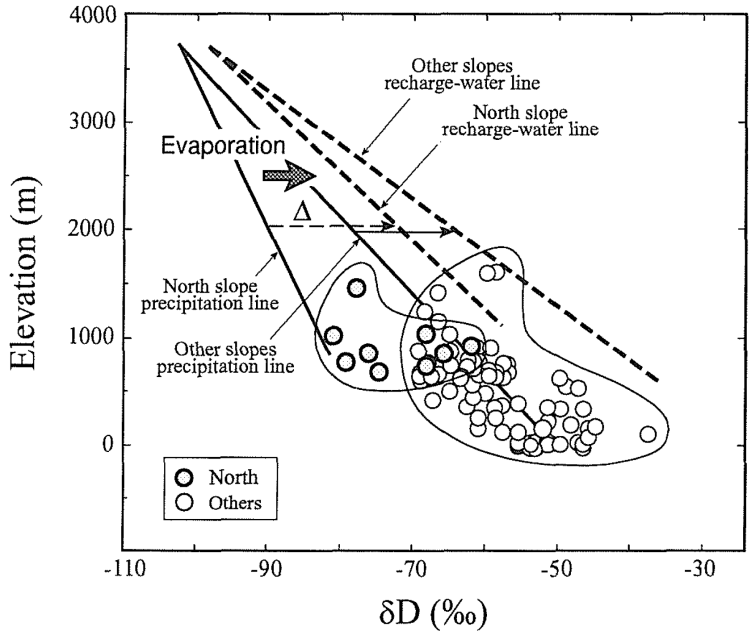

Fig. S2 Relation between and elevation for groundwaters on the leeward north and windward slopes of Mt. Fuji (August 1993 and July 1994) from Yasuhara et al. (1997). "Other slopes" means south, east, and west slopes of Mt. Fuji, and therefore, the recharge-water line of other slopes has been used for this study.

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