

for George
 Data from Kaula McDERMID
 2002
 Kaloto turf
 OH last 2 pages.

Table 1. List of Hawaiian seaweed species collected and analyzed for nutritional composition

Species	Collection #	Location, Island	Date collected
Chlorophyta			
<i>Caulerpa lentillifera</i> J. Agardh	NC043	Hilton Waikaloa Hotel Resort, Hawai'i	10/11/02
<i>Cladophora vagabunda</i> (L.) Hock	NC036	Ma'alaea Bay, Maui	03/21/02
<i>Codium hawaiiense</i> Silva and Chacana	NC045	Corsair Wreck, Midway	09/21/02
<i>Codium reediae</i> Silva	NC034	Kahului Bay, Maui	03/21/02
<i>Enteromorpha flexuosa</i> (Wulfen) J. Agardh	NC020	North Shore, Oahu	01/31/02
<i>Rhizoclonium implexum</i> (Dillwyn) Kützing	NC044	Hilton Waikaloa Hotel Resort, Hawai'i	10/11/02
<i>Ulva fasciata</i> Delile	NC035	Ma'alaea Bay, Maui	03/21/02
<i>Ulva fasciata</i> Delile	NC019	North Shore, Oahu	01/30/02
Phaeophyta			
<i>Dictyota acutiloba</i> J. Agardh	NC017	Haleiwa, Oahu	01/31/02
<i>Sargassum echinocarpum</i> J. Agardh	NC027	Onekahakaha, Hawai'i	03/01/02
Rhodophyta			
<i>Acanthophora spicifera</i> (Vahl) Børgesen	NC023	Kaneohe Bay, Oahu	02/13/02
<i>Ahnfeltiopsis concinna</i> (J. Agardh) Silva et DeCew	NC002	Onekahakaha, Hawai'i	10/16/01
<i>Amansia glomerata</i> (C. Agardh) R.E. Norris	NC047	Leleiwi, Hawai'i	12/09/02
<i>Gracilaria salicornia</i> (C. Agardh) Dawson	NC025	Kaneohe Bay, Oahu	02/13/02
<i>Hypnea musciformis</i> (Wulfen in Jacquin) Lamouroux	NC033	Kahului Bay, Maui	03/21/02
<i>Hypnea musciformis</i> (Wulfen in Jacquin) Lamouroux	NC018	North Shore, Oahu	01/31/02
<i>Laurencia nidifica</i> J. Agardh	NC040	Wai'anae, Oahu	06/05/02
<i>Pterocladia capillacea</i> (S.G. Gmelin) Sant. & Homm.	NC014	Punulu'u, Hawai'i	01/02/02
Magnoliophyta			
<i>Halophila decipiens</i> Ostenfeld - leaves	NC037a	Kahala Mandarin, Oahu	04/19/02
<i>Halophila decipiens</i> Ostenfeld - stems	NC037b	Kahala Mandarin, Oahu	04/19/02
<i>Halophila hawaiiiana</i> Doty and Stone -leaves	NC024a	Kaneohe Bay, Oahu	02/13/02
<i>Halophila hawaiiiana</i> Doty and Stone -stems	NC024b	Kaneohe Bay, Oahu	02/13/02

Table 2. Proximate composition and caloric content of Hawaiian algae that the green turtle, *Chelonia mydas*, consumes. Values are mean \pm standard error. Water content is relative to total fresh wt. Ash, protein, carbohydrate, lipid, and energy values are relative to total dry wt.

Species	Collection #	Water (%)	Ash (%)	Total Protein (%)	Soluble Carbohydrate (%)	Crude Lipid (%)	Energy (cal/g)
Chlorophyta							
<i>Caulerpa lentillifera</i>	NC043	94.0 \pm 0.04	46.4 \pm 0.2	9.7 \pm 0.4	11.8 \pm 0.8	7.2 \pm 0.3	1517.6 \pm 27.6
<i>Cladophora vagabunda</i>	NC036	89.5 \pm 0.3	34.2 \pm 0.2	12.3 \pm 0.2	12.1 \pm 0.5	11.4 \pm 0.4	2243.8 \pm 23.3
<i>Codium hawaiiense</i>	NC045		51.7 \pm 0.2	4.0 \pm 0.3	27.4 \pm 0.4	2.6 \pm 0.3	1000.2 \pm 27.2
<i>Codium reediae</i>	NC034	93.9 \pm 0.1	63.5 \pm 0.4	7.0 \pm 0.3	8.2 \pm 1.3	6.1 \pm 0.2	741.8 \pm 12.5
<i>Enteromorpha flexuosa</i>	NC020	87.6 \pm 0.3	23.2 \pm 0.2	7.9 \pm 0.4	39.9 \pm 2.3	5.6 \pm 0.2	2646.7 \pm 134.8
<i>Rhizoclonium implexum</i>	NC044	86.0 \pm 0.2	35.5 \pm 0.1	13.9 \pm 0.6	9.0 \pm 0.4	8.3 \pm 0.2	1944.3 \pm 13.5
<i>Ulva fasciata</i>	NC035	86.1 \pm 0.2	32.2 \pm 0.1	8.8 \pm 0.4	17.1 \pm 1.3	5.1 \pm 0.2	2378.2 \pm 71.1
<i>Ulva fasciata</i>	NC019	83.4 \pm 0.4	25.4 \pm 0.1	12.3 \pm 0.5	20.6 \pm 0.7	3.6 \pm 0.1	2761.0 \pm 9.9
Phaeophyta							
<i>Dictyota acutiloba</i>	NC017	88.5 \pm 0.8	28.9 \pm 1.2	12.0 \pm 0.6	5.9 \pm 0.2	16.1 \pm 0.03	2424.3 \pm 28.2
<i>Sargassum echinocarpum</i>	NC027	86.4 \pm 0.1	32.0 \pm 0.1	10.3 \pm 0.7	10.5 \pm 1.3	3.8 \pm 0.2	2114.4 \pm 17.4
Rhodophyta							
<i>Acanthophora spicifera</i>	NC023	91.8 \pm 0.1	36.6 \pm 0.1	2.6 \pm 0.1	31.5 \pm 1.1	2.4 \pm 0.2	1877.2 \pm 39.5
<i>Ahnfeltiopsis concinna</i>	NC002	67.0*	23.8 \pm 0.1	5.7 \pm 0.3	31.2 \pm 1.8	1.9 \pm 0.2	2202.3 \pm 56.5
<i>Amansia glomerata</i>	NC047	79.8 \pm 0.3	38.0 \pm 0.6	12.3 \pm 0.4	20.3 \pm 1.1	3.7 \pm 0.5	1939.8 \pm 75.3
<i>Gracilaria salicornia</i>	NC025	90.1 \pm 0.2	49.5 \pm 1.4	3.9 \pm 0.4	24.6 \pm 0.6	1.5 \pm 0.1	1445.9 \pm 52.5
<i>Hypnea musciformis</i>	NC033	90.0 \pm 0.2	43.5 \pm 0.4	11.1 \pm 0.2	16.1 \pm 0.2	3.9 \pm 0.1	1675.3 \pm 38.7
<i>Hypnea musciformis</i>	NC018	89.9 \pm 0.3	39.9 \pm 1.8	11.6 \pm 0.7	19.9 \pm 1.0	1.9 \pm 0.2	1840.9 \pm 18.4
<i>Laurencia nidifica</i>	NC040	88.8 \pm 0.2	31.4 \pm 0.3	3.2 \pm 0.2	16.0 \pm 1.1	3.4 \pm 0.1	2407.7 \pm 37.5
<i>Pterocladia capillacea</i>	NC014	75.4 \pm 0.5	13.7 \pm 0.3	13.4 \pm 0.3	33.2 \pm 0.3	2.3 \pm 0.5	3512.2 \pm 116.5
Magnoliophyta							
<i>Halophila decipiens</i> -L	NC037a	92.1*	48.1 \pm 0.9	6.2 \pm 0.1	4.3 \pm 0.4	5.1 \pm 0.4	1094.9 \pm 21.5
<i>Halophila decipiens</i> -S	NC037b	92.5*	43.2 \pm 0.6	2.5 \pm 0.1	8.2 \pm 0.3	3.1 \pm 0.1	1231.9 \pm 26.3
<i>Halophila hawaiiiana</i> -L	NC024a	88.5 \pm 2.6	37.7 \pm 0.1	9.2 \pm 0.4	9.9 \pm 0.3	3.8 \pm 1.2	1697.5 \pm 27.8
<i>Halophila hawaiiiana</i> -S	NC024b	90.3 \pm 0.8	53.5 \pm 1.6	5.6 \pm 0.4	18.2 \pm 0.2	2.9 \pm 0.2	695.5 \pm 26.9

Table 3. Vitamin A, vitamin B complex, and vitamin C content of Hawaiian edible seaweeds. All values are based on dry weight. Blank values indicate that vitamin content was not detected at the method detection limit.

Species	Collection #	Beta Carotene (A) IU/gram	Niacin (B3) mg/gram	Niacinamide (B3) mg/gram	Riboflavin (B2) mg/gram	Vitamin C mg/gram
Chlorophyta						
<i>Caulerpa lentillifera</i>	NC043	160	2	—	—	—
<i>Cladophora vagabunda</i>	NC036	93	1.64	—	—	—
<i>Codium hawaiiense</i>	NC045	30	0.8	—	—	—
<i>Codium reediae</i>	NC034	36	1.07	—	—	—
<i>Enteromorpha flexuosa</i>	NC020	54	—	—	—	3
<i>Rhizoclonium implexum</i>	NC044	330	3	—	—	—
<i>Ulva fasciata</i>	NC019	180	—	—	0.01	2.2
<i>Ulva fasciata</i>	NC035	70	0.66	—	—	—
Phaeophyta						
<i>Sargassum echinocarpum</i>	NC027	97	0.09	—	—	—
Rhodophyta						
<i>Acanthophora spicifera</i>	NC023	51	—	—	—	—
<i>Ahnfeltiopsis concinna</i>	NC002	16.2	—	—	—	—
<i>Gracilaria salicornia</i>	NC025	230	0.08	—	—	—
<i>Hypnea musciformis</i>	NC033	66	1.26	—	—	—
<i>Pterocladia capillacea</i>	NC014	170	—	0.3	—	—

Table 4. Comparison of selected minerals in Hawaiian algae that the green turtle, *Chelonia mydas*, consumes based on dry weight.

Species	Coll. #	N %	P %	K %	Mg %	Ca %	S %	B ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm
Chlorophyta												
<i>Caulerpa lentillifera</i>	NC043	2.39	0.16	0.70	1.65	0.95	1.55	70.17	16.70	9.85	166.70	6.30
<i>Cladophora vagabunda</i>	NC036	3.74	0.20	3.15	2.94	0.39	5.51	68.00	6.00	17.00	14.00	1.00
<i>Codium hawaiiense</i>	NC045	0.88	0.06	0.97	1.84	1.00	6.51	63.75	11.84	3.58	39.22	3.36
<i>Codium reediae</i>	NC034	1.94	0.12	0.82	1.70	0.92	3.94	74.00	3.00	26.00	196.00	1.00
<i>Enteromorpha flexuosa</i>	NC020	1.27	0.10	1.60	1.17	0.74	3.20	164.00	6.00	5.00	104.00	3.00
<i>Rhizoclonium implexum</i>	NC044	4.73	0.23	11.60	0.88	0.58	2.11	107.00	60.04	10.42	236.00	18.17
<i>Ulva fasciata</i>	NC035	3.74	0.22	3.15	2.94	0.39	5.51	68.00	6.00	17.00	141.00	1.00
<i>Ulva fasciata</i>	NC019	3.62	0.22	2.87	2.19	0.47	5.24	77.00	9.00	12.00	86.00	5.00
Phaeophyta												
<i>Dictyota acutiloba</i>	NC017	2.87	0.16	7.26	1.36	1.03	2.21	95.00	16.00	12.00	438.00	5.00
<i>Sargassum echinocarpum</i>	NC027	1.53	0.14	9.50	1.16	1.31	1.16	106.00	7.00	6.00	92.00	11.00
Rhodophyta												
<i>Acanthophora spicifera</i>	NC023	1.22	0.02	1.51	0.15	0.95	5.47	249.00	5.00	3.00	154.00	5.00
<i>Ahnfeltiopsis concinna</i>	NC002	1.46	0.10	3.01	0.75	0.44	7.48	309.94	21.50	71.68	85.77	3.10
<i>Gracilaria salicornia</i>	NC025	0.70	0.16	18.30	0.47	0.96	5.35	442.00	6.00	3.00	79.00	2.00
<i>Hypnea musciformis</i>	NC033	3.39	0.25	2.34	0.60	0.31	6.82	179.00	7.00	12.00	145.00	2.00
<i>Hypnea musciformis</i>	NC018	3.21	0.40	2.36	0.65	0.69	7.56	196.00	7.00	9.00	26.00	4.00
<i>Pterocladia capillacea</i>	NC014	3.62	0.27	4.61	0.37	0.42	1.91	265.53	10.33	15.98	132.69	8.23
Magnoliophyta												
<i>Halophila hawaiiiana</i> - L	NC024a	2.31	0.42	2.02	1.62	1.80	1.16	689.00	11.00	12.00	213.00	5.00
<i>Halophila hawaiiiana</i> - S	NC024b	0.90	0.18	1.73	1.73	11.82	0.91	498.00	7.00	12.00	516.00	3.00

Table 5 The amino acid content of marine algae collected from the Hawaiian Islands that is a known dietary component for the green turtle, *Chelonia mydas*. Values are expressed as % of dry weight.

Species	Coll. #	ASX	GLX	SER	HIS	GLY	THR	ALA	ARG	TYR	VAL	MET	PHE	ILE	LEU	LYS	PRO	TRYP
Chlorophyta																		
<i>Caulerpa lentillifera</i>	NC043	0.79	0.88	0.31	0.11	0.49	0.36	0.42	0.41	0.18	0.47	0.09	0.41	0.37	0.57	0.40	0.24	0.16
<i>Cladophora vagabunda</i>	NC036	1.79	1.86	0.70	0.18	0.76	0.62	0.82	0.83	0.55	0.81	0.13	0.77	0.60	1.48	0.78	0.78	0.00
<i>Codium hawaiiense</i>	NC045	0.34	0.43	0.18	0.00	0.22	0.11	0.20	0.14	0.09	0.18	0.02	0.13	0.12	0.49	0.14	0.18	0.00
<i>Codium reediae</i>	NC034	0.74	0.77	0.34	0.09	0.40	0.24	0.37	0.28	0.19	0.35	0.08	0.27	0.22	0.85	0.28	0.48	0.05
<i>Enteromorpha flexuosa</i>	NC020	0.61	0.69	0.28	0.09	0.33	0.21	0.45	0.23	0.12	0.30	0.07	0.24	0.18	0.67	0.17	0.43	0.03
<i>Rhizoclonium implexum</i>	NC044	1.87	1.51	0.44	0.11	0.54	0.32	0.50	0.80	0.29	0.50	0.07	0.47	0.36	0.95	0.64	0.60	0.06
<i>Ulva fasciata</i>	NC035	1.65	1.99	0.84	0.80	1.09	0.70	1.08	1.26	0.54	0.76	0.19	0.77	0.52	1.45	0.61	0.75	0.03
<i>Ulva fasciata</i>	NC019	1.45	1.57	0.63	0.37	0.78	0.63	1.16	0.74	0.28	0.80	0.10	0.67	0.52	0.84	0.69	0.45	0.13
Phaeophyta																		
<i>Dictyota acutiloba</i>	NC017	2.58	1.52	0.47	0.10	0.48	0.39	0.61	0.59	0.32	0.49	0.21	0.50	0.41	1.11	0.39	0.66	0.00
<i>Sargassum echinocarpum</i>	NC027	0.64	1.26	0.23	0.57	0.27	0.19	0.39	0.27	0.14	0.27	0.09	0.25	0.23	0.58	0.20	0.47	0.00
Rhodophyta																		
<i>Acanthophora spicifera</i>	NC023	0.44	0.46	0.19	0.05	0.15	0.19	0.21	0.17	0.07	0.19	0.05	0.16	0.14	0.28	0.21	0.16	0.05
<i>Ahnfeltiopsis concinna</i>	NC002	0.44	0.49	0.26	0.04	0.30	0.16	0.23	0.47	0.26	0.20	0.06	0.20	0.14	0.53	0.33	0.47	0.04
<i>Amansia glomerata</i>	NC047	0.98	0.92	0.32	0.11	0.38	0.31	0.47	0.41	0.15	0.45	0.03	0.33	0.31	0.51	0.58	0.43	0.12
<i>Gracilaria salicornia</i>	NC025	0.19	0.24	0.10	0.03	0.20	0.07	0.13	0.18	0.06	0.11	0.03	0.09	0.81	0.43	0.10	0.37	0.03
<i>Hypnea musciformis</i>	NC033	1.66	1.84	0.94	0.18	0.74	0.76	0.87	2.23	0.57	0.85	0.31	0.74	0.90	1.45	0.96	0.92	0.24
<i>Hypnea musciformis</i>	NC018	1.45	1.52	0.60	0.14	0.62	0.56	0.72	1.87	0.49	0.82	0.27	0.70	0.86	1.31	0.84	0.74	0.20
<i>Laurencia nidifica</i>	NC040	0.87	0.94	0.38	0.10	0.40	0.35	0.39	0.42	0.41	0.40	0.10	0.34	0.32	0.78	0.57	0.36	0.05
<i>Pterocladia capillacea</i>	NC014	1.06	1.62	0.53	0.13	0.41	0.44	0.57	0.46	0.24	0.49	0.11	0.48	0.39	0.64	0.76	0.30	0.11
Magnoliophyta																		
<i>Halophila decipiens</i> -L	NC037a	0.63	0.92	0.37	0.09	0.46	0.22	0.86	0.45	0.20	0.31	0.03	0.32	0.25	0.82	0.30	0.56	0.09
<i>Halophila decipiens</i> -S	NC037b	0.20	0.23	0.10	0.03	0.18	0.05	0.23	0.13	0.05	0.08	0.02	0.07	0.06	0.27	0.07	0.07	0.07
<i>Halophila hawaiiiana</i> -L	NC024a	0.61	1.32	0.28	0.11	0.30	0.24	1.29	0.33	0.14	0.39	0.07	0.34	0.32	0.54	0.28	0.47	0.12
<i>Halophila hawaiiiana</i> -S	NC024b	0.21	0.70	0.12	0.05	0.19	0.07	0.47	0.15	0.07	0.11	0.03	0.09	0.09	0.38	0.11	0.36	0.11

Table 6. Proximate composition and caloric content of Hawaiian turf algae that the green turtle, *Chelonia mydas*, consumes. Values are mean \pm standard error. Water content is relative to total fresh weight. Ash, protein, carbohydrate, lipid, and energy values are relative to total dry weight.

Collection				Total	Soluble	Crude
Month	Zone	Water (%)	Ash (%)	Protein (%)	Carbohydrate (%)	Lipid (%)
2002 September	AB	—	60.64 \pm 0.32	11.25 \pm 0.12	17.87 \pm 0.86	3.01 \pm 0.30
	D	86.95 \pm 0.26	57.11 \pm 0.68	5.53 \pm 0.53	16.85 \pm 0.58	2.10 \pm 0.23
October	A	85.26 \pm 0.61	55.78 \pm 0.46	7.57 \pm 0.18	26.09 \pm 1.92	2.55 \pm 0.09
	B	84.68 \pm 1.30	65.95 \pm 0.49	6.13 \pm 0.16	14.62 \pm 2.11	2.85 \pm 0.17
	D	85.53 \pm 3.81	73.41 \pm 2.88	3.41 \pm 0.45	9.80 \pm 0.03	1.75 \pm 0.13
November	A	81.90 \pm 0.96	59.38 \pm 0.80	6.63 \pm 0.10	10.40 \pm 0.24	1.50 \pm 0.15
	B	81.90 \pm 2.40	67.76 \pm 0.70	5.25 \pm 0.16	6.95 \pm 0.76	3.67 \pm 0.42
	D	79.06 \pm 2.25	46.78 \pm 0.47	6.61 \pm 0.06	16.16 \pm 1.09	4.05 \pm 0.18
December	A	73.40 \pm 3.66	75.31 \pm 0.51	6.36 \pm 0.17	7.15 \pm 0.46	2.85 \pm 0.23
	B	81.12 \pm 1.34	66.40 \pm 0.24	8.84 \pm 0.23	5.64 \pm 0.45	3.10 \pm 0.17
	D	73.16 \pm 1.07	76.25 \pm 0.29	4.09 \pm 0.08	6.30 \pm 0.20	1.90 \pm 0.40
January	A	70.97 \pm 2.22	75.17 \pm 0.50	5.92 \pm 0.08	6.43 \pm 0.22	2.45 \pm 0.39
	B	82.30 \pm 0.94	65.53 \pm 0.19	7.31 \pm 0.38	7.03 \pm 0.24	2.15 \pm 0.18
	D	68.88 \pm 1.75	74.99 \pm 0.73	4.54 \pm 0.04	5.50 \pm 0.33	1.30 \pm 0.27
February	A	71.38 \pm 2.08	71.88 \pm 1.03	8.01 \pm 0.33	6.87 \pm 0.05	0.35 \pm 0.13
	B	74.11 \pm 2.30	77.00 \pm 0.27	5.78 \pm 0.32	4.1 \pm 0.05	1.25 \pm 0.05
	D	66.40 \pm 3.08	81.36 \pm 0.13	3.03 \pm 0.18	5.98 \pm 0.51	1.65 \pm 0.12
March	A	71.51 \pm 1.02	72.88 \pm 0.14	3.91 \pm 0.02	7.20 \pm 0.36	3.45 \pm 1.14
	B	76.34 \pm 1.63	67.93 \pm 0.34	4.35 \pm 0.12	9.38 \pm 0.50	2.00 \pm 0.20
	D	71.38 \pm 2.49	70.66 \pm 0.70	3.43 \pm 0.22	10.80 \pm 1.03	1.50 \pm 0.17
May	A	74.47 \pm 0.94	66.70 \pm 1.01	3.99 \pm 0.10	5.26 \pm 0.52	3.73 \pm 0.32
	B	80.91 \pm 1.42	64.94 \pm 0.39	5.78 \pm 0.24	6.37 \pm 0.62	1.94 \pm 0.17
	D	72.92 \pm 2.51	69.60 \pm .85	2.33 \pm 0.37	7.32 \pm 1.01	1.54 \pm 0.28
June	A	73.92 \pm 1.95	75.79 \pm 0.61	3.86 \pm 0.24	3.24 \pm 0.41	2.65 \pm 0.05
	B	80.42 \pm 4.16	72.55 \pm 0.40	3.51 \pm 0.16	4.04 \pm 0.32	2.05 \pm 0.10
	D	76.91 \pm 2.35	75.63 \pm 0.57	3.06 \pm 0.17	7.75 \pm 0.30	1.95 \pm 0.09
July	A	77.33 \pm 0.58	52.35 \pm 0.58	5.56 \pm 0.10	12.81 \pm 0.07	2.45 \pm 0.22
	B	76.06 \pm 1.09	63.78 \pm 0.59	4.09 \pm 0.16	10.11 \pm 0.56	2.00 \pm 0.36
	D	74.74 \pm 1.37	68.93 \pm 0.26	3.57 \pm 0.29	7.67 \pm 0.14	1.67 \pm 0.04
2003 August	A	75.75 \pm 1.19	60.10 \pm 0.31	5.31 \pm 0.18	11.99 \pm 0.98	2.16 \pm 0.21
	B	83.24 \pm 1.12	65.58 \pm 0.58	4.65 \pm 0.10	7.79 \pm 0.54	3.34 \pm 0.10
	D	76.38 \pm 2.61	63.25 \pm 0.93	3.96 \pm 0.16	10.47 \pm 0.22	1.90 \pm 0.18

Table 7. The amino acid content of marine turf algae collected from the Hawaiian Islands that is a known dietary component for the green turtle, *Chelonia mydas*. Values are expressed as % of dry weight.

Collection Month	Zone	ASX	GLX	SER	HIS	GLY	THR	ALA	ARG	TYR	VAL	MET	PHE	ILE	LEU	LYS	PRO	TRYP
November	A	0.77	0.97	0.32	0.08	0.33	0.27	0.41	0.43	0.15	0.28	0.08	0.29	0.22	0.41	0.40	0.24	0.06
December	A	0.50	0.66	0.18	0.06	0.23	0.16	0.27	0.29	0.08	0.23	0.04	0.20	0.19	0.28	0.31	0.15	0.08
December	B	0.65	0.73	0.18	0.06	0.28	0.18	0.29	0.26	0.09	0.25	0.05	0.22	0.20	0.29	0.30	0.16	0.13
December	D	0.45	0.49	0.12	0.04	0.13	0.10	0.17	0.15	0.06	0.18	0.03	0.15	0.14	0.19	0.18	0.10	0.06
January	A	0.39	0.47	0.14	0.03	0.15	0.12	0.19	0.19	0.08	0.13	0.04	0.15	0.10	0.19	0.19	0.12	0.05
February	A	0.59	0.71	0.19	0.06	0.24	0.18	0.30	0.27	0.10	0.26	0.05	0.21	0.21	0.32	0.31	0.16	0.08