

附录1 本研究选取的福建53个海岛概况

Appendix 1 An overview of 53 islands in Fujian selected for this study

岛屿名称 Island names	经纬度 Latitude and longitude	物种丰 度 Species richness	森林样方数 No. of forest investigation plots	灌木样方数 No. of shrub investigation plots	草本样方数 No. of herb investigation plots	面积 Area (km ²)	海拔 Elevation (m)	周长面积比 Perimeter area ratio	形状指 数 Shape index	年均风速 Annual mean wind (m/s)	年均温 Annual mean temperature (°C)	年降水 Annual precipitation (mm)	距大陆距离 Distance to the mainland (km)	距最近大岛距离 Distance to the nearest big island (km)	建筑与农田面积占比 Proportion of buildings and farmland area (%)
大生岛	119°020' E, 25°081' N	14	5.00	20.00	25.00	0.07	44.20	17.78	1.36	7.90	20.32	1131.00	2.54	1.28	0.00
黄干岛	119°024' E, 25°037' N	25	16.00	64.00	80.00	0.55	72.40	8.27	1.73	6.34	20.32	1131.00	0.72	3.99	0.00
惠屿	118°995' E, 25°183' N	16	14.00	56.00	70.00	0.41	59.90	13.14	2.38	6.58	20.04	1196.00	1.11	1.28	0.55
后青屿	119°363' E, 25°331' N	17	16.00	64.00	80.00	0.50	54.00	9.32	1.86	8.67	20.30	1190.00	5.79	1.82	0.00
石城大屿	119°398' E, 25°256' N	14	3.00	12.00	15.00	0.04	31.00	19.09	1.09	9.01	20.30	1190.00	3.12	4.31	0.00
头金屿	119°391' E, 25°251' N	3	2.00	8.00	10.00	0.01	21.10	52.37	1.35	8.22	20.30	1190.00	2.40	4.85	0.00
青屿	119°385' E, 25°249' N	8	2.00	8.00	10.00	0.01	20.00	48.63	1.22	8.20	20.30	1190.00	1.95	5.32	0.00
大屿仔	119°398' E, 25°254' N	4	2.00	8.00	10.00	0.01	13.98	17.67	0.45	8.30	20.30	1190.00	3.33	4.38	0.00
东屿仔	119°400' E, 25°254' N	12	2.00	8.00	10.00	0.02	16.00	29.80	1.03	8.28	20.30	1190.00	3.31	4.11	0.00
大练岛	119°689' E, 25°649' N	32	30.00	120.00	150.00	9.96	238.50	2.03	1.81	5.96	19.84	1257.00	7.88	1.18	0.17
东岸岛	119°885' E, 25°594' N	15	24.00	96.00	120.00	4.80	134.60	4.10	2.53	5.56	19.75	1280.00	26.50	2.30	0.46
大屿岛	119°663' E, 25°451' N	30	8.00	32.00	40.00	0.22	45.10	12.38	1.64	7.76	19.94	1211.00	2.47	1.05	0.13
大嵩岛	119°799' E, 25°649' N	27	10.00	40.00	50.00	0.28	51.80	8.86	1.33	9.06	19.84	1257.00	20.14	1.16	0.00
小嵩岛	119°792' E, 25°654' N	22	4.00	16.00	20.00	0.06	36.80	24.17	1.61	7.87	19.84	1257.00	19.43	0.28	0.00
坪洲岛	119°821' E, 25°668' N	15	4.00	16.00	20.00	0.05	40.00	18.12	1.14	7.80	20.03	1259.00	21.09	3.38	0.00
山洲岛	119°819' E, 25°673' N	13	3.00	12.00	15.00	0.04	52.20	21.98	1.24	7.74	20.03	1259.00	20.74	3.30	0.00
赤鞋特岛	119°789' E, 25°646' N	10	2.00	8.00	10.00	0.02	28.90	31.89	1.37	7.88	19.84	1257.00	19.77	1.14	0.00
古螺礁	119°813' E, 25°671' N	9	2.00	8.00	10.00	0.01	33.20	41.84	1.19	7.88	20.03	1259.00	20.33	2.64	0.00
东洲岛	119°828' E, 25°669' N	9	3.00	12.00	15.00	0.03	36.00	27.73	1.44	7.95	20.03	1259.00	21.27	4.11	0.00
光幼屿	119°834' E, 25°581' N	17	4.00	16.00	20.00	0.06	24.20	17.30	1.22	8.14	19.75	1280.00	22.57	0.32	0.03

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红山屿	119°841' E, 25°578' N	10	3.00	12.00	15.00	0.03	20.80	33.09	1.63	7.98	19.75	1280.00	23.05	0.67	0.00
北香炉屿	119°690' E, 25°616' N	26	3.00	12.00	15.00	0.04	15.60	20.83	1.18	8.44	19.84	1257.00	9.79	0.60	0.00
黄门岛	119°680' E, 25°461' N	19.	4.00	16.00	20.00	0.07	34.70	19.73	1.49	6.85	19.94	1258.00	3.89	0.15	0.00
姜山岛	119°804' E, 25°443' N	23	14.00	56.00	70.00	0.47	68.10	10.01	1.94	10.71	19.94	1258.00	17.33	1.12	0.00
北官屿	119°687' E, 25°349' N	22	6.00	24.00	30.00	0.13	40.90	12.94	1.33	8.22	19.94	1258.00	3.29	8.42	0.00
龙母屿	119°692' E, 25°349' N	21	3.00	12.00	15.00	0.03	20.20	37.97	1.72	7.59	19.94	1258.00	3.95	0.57	0.00
大怀屿	119°705' E, 25°545' N	23	3.00	12.00	15.00	0.03	26.80	31.78	1.61	6.79	19.84	1257.00	9.17	0.63	0.00
横屿	119°704' E, 25°533' N	19	3.00	12.00	15.00	0.03	22.40	31.23	1.53	7.06	19.84	1257.00	9.04	0.47	0.00
白姜岛	119°815' E, 25°425' N	15	4.00	16.00	20.00	0.05	33.60	27.50	1.81	8.86	19.94	1258.00	17.00	3.92	0.00
山白岛	119°853' E, 25°707' N	8	2.00	8.00	10.00	0.02	34.60	32.20	1.22	7.86	20.03	1259.00	22.75	8.21	0.00
琅岐岛	119°597' E, 26°094' N	12	60.00	240.00	300.00	55.50	275.00	0.59	1.23	3.09	19.35	1352.00	0.56	2.30	0.60
目屿岛	119°721' E, 26°242' N	15.	8.00	32.00	40.00	0.19	17.81	13.53	1.66	5.85	18.81	1436.00	3.64	2.52	0.01
兀屿	119°721' E, 26°270' N	15	6.00	24.00	30.00	0.11	41.68	16.45	1.51	5.36	18.81	1436.00	0.62	2.59	0.00
虎棚岛	119°656' E, 26°146' N	19	5.00	20.00	25.00	0.07	33.72	22.56	1.74	5.50	19.35	1352.00	5.20	0.38	0.00
黄湾屿	119°823' E, 26°287' N	16	5.00	20.00	25.00	0.07	26.90	28.88	2.12	6.46	18.81	1436.00	1.20	1.15	0.01
金牌岛	119°716' E, 26°357' N	7	4.00	16.00	20.00	0.05	18.82	17.27	1.12	4.53	18.54	1493.00	1.36	0.44	0.00
蛤沙青屿	119°738' E, 26°278' N	7	2.00	8.00	10.00	0.02	21.05	42.14	1.60	4.53	18.81	1436.00	0.66	1.49	0.00
竹江岛	119°954' E, 26°776' N	12	6.00	24.00	30.00	0.15	47.30	12.82	1.42	3.47	18.32	1589.00	0.81	8.83	0.66
下尾岛	120°124' E, 26°661' N	15	5.00	20.00	25.00	0.08	35.51	22.42	1.77	6.49	18.14	1495.00	0.27	2.63	0.00
西洛岛	119°650' E, 25°755' N	11	6.00	24.00	30.00	0.10	39.85	15.96	1.42	7.46	20.03	1259.00	1.74	14.24	0.00
鸳鸯屿	120°379' E, 26°960' N	11	16.00	64.00	80.00	0.64	149.81	9.01	2.02	5.03	17.43	1406.00	12.85	0.25	0.00
塔屿	117°551' E, 23°732' N	37	20.00	80.00	100.00	1.01	91.30	6.82	1.93	5.53	21.22	1239.00	2.44	1.16	0.26

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对面屿	117°524' E, 23°748' N	18	6.00	24.00	30.00	0.10	25.80	20.71	1.81	6.30	21.22	1239.00	5.78	0.49	0.01
小赤屿	117°519' E, 23°749' N	8	2.00	8.00	10.00	0.01	19.20	16.85	0.54	5.83	21.22	1239.00	0.43	0.36	0.00
东山南屿	117°523' E, 23°721' N	13	3.00	12.00	15.00	0.04	22.70	20.09	1.17	6.39	21.22	1239.00	0.12	0.12	0.01
南赤岛	117°488' E, 23°706' N	19	2.00	8.00	10.00	0.02	49.52	28.19	1.25	5.73	21.28	1296.00	0.05	0.03	0.01
大坠岛	118°771' E, 24°830' N	36	16.00	64.00	80.00	0.61	103.10	8.39	1.85	7.19	20.57	1085.00	2.33	40.97	0.04
漳浦小嵩岛	117°942' E, 24°177' N	4	2.00	8.00	10.00	0.02	26.00	30.37	1.12	5.41	20.96	1142.00	0.35	1.39	0.00
漳浦岱嵩岛	117°957' E, 24°174' N	12	12.00	48.00	60.00	0.36	27.30	7.71	1.30	4.81	20.96	1142.00	0.40	1.40	0.79
尼姑屿	120°152' E, 26°558' N	26	32.00	128.00	160.00	10.48	231.83	0.57	0.52	11.67	18.14	1495.00	10.99	0.59	0.00
厦门岛	118°132' E, 24°497' N	42	72.00	288.00	360.00	134.84	339.60	0.49	1.61	2.65	20.96	1093.00	0.71	5.42	0.80
东山岛	117°424' E, 23°698' N	56	80.00	320.00	400.00	220.18	274.30	0.51	2.12	3.07	21.28	1296.00	0.31	23.13	0.24
海坛岛	119°766' E, 25°544' N	70	104.00	416.00	520.00	267.13	438.20	0.48	2.23	4.67	19.84	1257.00	3.59	1.19	0.62