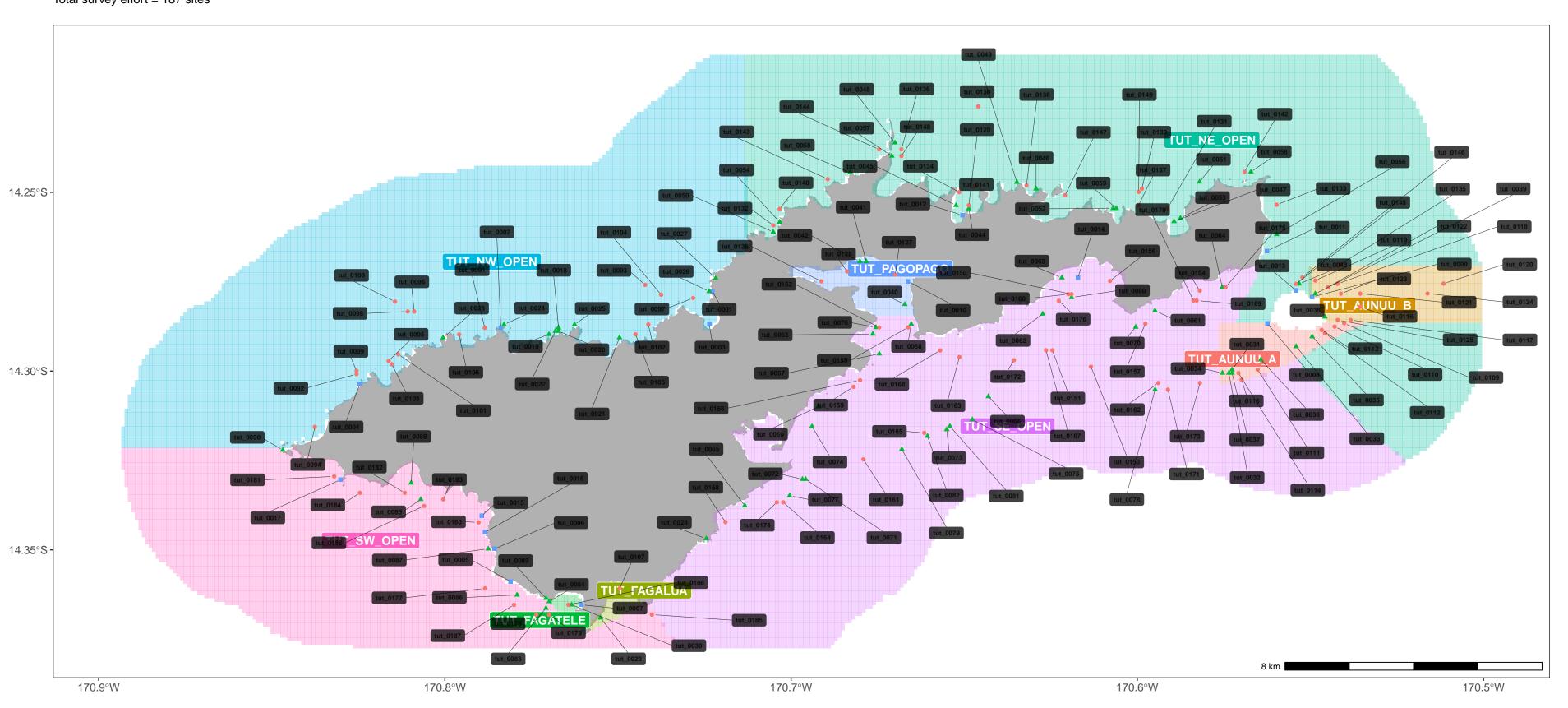
Island = TUTUILA Number of strata = 28 Target survey effort = 180 sites Total survey effort = 187 sites



depth_bin

DEEPMID

SHAL

22 1	tut_002	525 0123	_1570.680	-170.7681	_1/ 28881	11.890887	10	MID	
	tut_0022 tut_0023			-170.7681 -170.8005		9.989871	10	MID	
	tut_0024				-14.28698		10	MID	
	tut_0025 tut_0026	529.8075		-170.7625 -170.7236		17.323684 11.816618	10 10	MID MID	
	tut_0027 tut_0028			-170.7218	-14.27401 -14.34687	6.302065 7.577597	11 11	MID MID	
	tut_0028			-170.7550		12.933027	12	MID	
	tut_0030	525.5118		-170.7634		17.752335	13	MID	
	tut_0031 tut_0032	546.0912 545.9913		-170.5726 -170.5736		16.215873 16.973292	14 14	MID MID	
	tut_0033	548.0892		-170.5541		15.285266	14	MID	
	tut_0034 tut_0035	545.7915 548.5887		-170.5754 -170.5495		16.118659 16.759367	14 14	MID MID	
	tut_0036	546.9903		-170.5643		15.761817	14	MID	
	tut_0037 tut_0038	546.0912 548.9883		-170.5726 -170.5458		17.703852 11.686952	14 15	MID MID	
39 1	tut_0039	548.6886	-1578.558	-170.5486		12.070861	15	MID	
	tut_0040 tut_0041	535.9014 534.7026		-170.6671 -170.6783		12.725982 9.998237	16 16	MID MID	
	tut_0042			-170.6801			16	MID	
	tut_0043 tut_0044	548.1891 537.8994	-1578.252 -1575.906	-170.5532 -170.6487	-14.27559 -14.25454	14.564084 8.691362	17 17	MID MID	
	tut_0045	537.4998	-1575.804		-14.25362	14.939858	17	MID	
	tut_0046 tut_0047	539.9973 544.2930	-1575.294 -1576.314	-170.6292 -170.5894	-14.24898 -14.25814	9.188700 8.972835	17 17	MID MID	
	tut_0048	535.6017	-1573.866	-170.6700	-14.23613	9.300422	17	MID	
	tut_0049 tut_0050	539.3979 531.8055	-1575.090 -1576.620		-14.24714 -14.26107	15.528691 13.724684	17 17	MID MID	
	tut_0051	545.0922	-1575.090	-170.5820	-14.24706	16.792615	17	MID	
	tut_0052 tut_0053	542.3949 544.4928	-1575.906 -1576.212	-170.6070 -170.5875	-14.25448 -14.25721	17.306510 6.514636	17 17	MID MID	
	tut_0054	532.0053	-1576.314		-14.25830	8.645812	17	MID	
	tut_0055 tut_0056	534.2031 547.4898		-170.6829 -170.5597	-14.24444 -14.26177	9.841622 11.401990	17 17	MID MID	
	tut_0057	535.5018	-1574.274		-14.23982	7.851322	17	MID	
	tut_0058 tut_0059	546.6906 542.4948	-1574.784 -1575.906	-170.5672 -170.6061	-14.24426 -14.25447	17.073057 17.902964	17 17	MID MID	
	tut_0060	533.2041	-1573.900 -1582.026	-170.6921	-14.30994	16.632740	18	MID	
	tut_0061 tut_0062	543.6936 540.1971	-1579.068 -1579.170	-170.5949 -170.6273	-14.28305 -14.28402	13.856520 12.946381	18 18	MID MID	
	tut_0063	534.9024	-1579.7782	-170.6764	-14.28963	13.343157	18	MID	
	tut_0064	545.7915	-1578.354		-14.27656	14.781533	18	MID	
	tut_0065 tut_0066	530.9064 538.4988		-170.7134 -170.6430	-14.30710	13.754044 16.107988	18 18	MID MID	
	tut_0067	535.1022 536.1012		-170.6745		17.531867	18 18	MID MID	
	tut_0068 tut_0069	536.1012 540.7965	-1579.476 -1578.048	-170.6653 -170.6218	-14.28684 -14.27387	14.710479 6.783005	18 18	MID MID	
	tut_0070	543.0942 532.8045	-1579.578 -1584.270	-170.6004 -170.6958		14.493496 14.805015	18 18	MID MID	
	tut_0071 tut_0072	532.8045 532.7046	-1584.270 -1584.270	-170.6958 -170.6967	-14.33023 -14.33023	14.805015 11.241270	18 18	MID	
	tut_0073	537.2001	-1582.740	-170.6550	-14.31634 -14.31547	10.730898	18	MID	
	tut_0074 tut_0075	533.0043537.9993	-1582.638 -1582.434	-170.6940 -170.6476	-14.31547 -14.31356	8.613944 15.402596	18 18	MID MID	
<i>76</i> 1	tut_0076	535.0023	-1579.578	-170.6755	-14.28778	11.986161	18	MID	
	tut_0077 tut_0078	532.3050543.6936	-1584.780 -1581.516	-170.7004 -170.5949	-14.33485 -14.30518	17.817161 17.285817	18 18	MID MID	
<i>7</i> 9 1	tut_0079	535.8015	-1583.352	-170.6680	-14.32189	16.264341	18	MID	
	tut_0080 tut_0081	541.0962 537.3000	-1578.660 -1582.638	-170.6190 -170.6541	-14.27940 -14.31542	17.026023 11.884825	18 18	MID MID	
	tut_0082	536.6007	-1582.944	-170.6606	-14.31819	12.723073	18	MID	
	tut_0083 tut_0084	524.7126 524.8125	-1588.248 -1588.044	-170.7708 -170.7699	-14.36628 -14.36444	17.114743 8.549734	19 19	MID MID	
85 t	tut_0085	520.8165	-1584.882	-170.8070	-14.33588	16.415105	19	MID	
	tut_0086 tut_0087	523.8135 522.9144	-1587.840 -1586.412	-170.7791 -170.7875	-14.36260 -14.34970	15.151353 9.378266	19 19	MID MID	
	tut_0088	520.5168	-1584.372	-170.8097	-14.33127	15.389801	19	MID	
	tut_0089 tut_0090	524.7126 516.5208		-170.7708 -170.8468	-14.36352 -14.32208	11.115352 11.653508	19 19	MID MID	
	tut_0091	522.8145		-170.7885		27.473638	20	DEEP	
	tut_0092 tut_0093	518.8185 527.8095		-170.8255 -170.7422	-14.30085 -14.27587	24.912090 29.870961	20 20	DEEP DEEP	
	tut_0094	517.5198	-1582.638	-170.8375	-14.31561	18.751232	20	DEEP	
	tut_0095 tut_0096	519.8175 520.6167	-1580.598 -1579.068	-170.8163 -170.8089	-14.29715 -14.28331	29.880608 29.496677	20 20	DEEP DEEP	
	tut_0097	529.3080	-1578.660	-170.7283	-14.27955	29.712995	20	DEEP	
	tut_0098 tut_0099	520.4169 518.8185	-1579.068 -1580.904	-170.8107 -170.8255	-14.28331 -14.29993	26.011298 27.131986	20 20	DEEP DEEP	
	tut_0100	520.0173	-1578.762	-170.8144		27.489093	20	DEEP	
	tut_0101 tut_0102	520.1172 527.9094	-1580.394 -1579.476	-170.8135 -170.7412	-14.29531 -14.28694	29.408844 27.458514	20 20	DEEP DEEP	
	tut_0103 tut_0104	519.9174 528.3090	-1580.700 -1578.558	-170.8153 -170.7375	-14.29807 -14.27863	28.293741 28.283281	20 20	DEEP DEEP	
	tut_0104	527.5098		-170.7373 -170.7449	-14.28971	23.603014	20	DEEP	
	tut_0106 tut_0107	522.0153 527.0103	-1579.782 -1587.636	-170.7959 -170.7495	-14.28976 -14.36073	26.101884 25.308364	20 21	DEEP DEEP	
	tut_0108	525.4119		-170.7643	-14.36535	28.021964	22	DEEP	
	tut_0109	549.5877		-170.5402	-14.28664	27.227828	23	DEEP	
	tut_0110 tut_0111	549.2880 546.8904	-1579.578 -1580.904	-170.5430 -170.5652	-14.28756 -14.29959	23.675040 22.222286	23 23	DEEP DEEP	
	tut_0112 tut_0113	548.9883 548.8884		-170.5458 -170.5467		27.749316 20.435752	23 23	DEEP DEEP	
	tut_0114	546.2910		-170.5708		20.435752	23	DEEP	
	tut_0115 tut_0116	546.3909 550.0872	-1581.210 -1578.966	-170.5699 -170.5356	-14.30237 -14.28202	29.635852 25.052440	23 24	DEEP DEEP	
	tut_0117	549.7875		-170.5384	-14.28571	23.671843	24	DEEP	
	tut_0118	549.3879	-1578.252	-170.5421	-14.27557	28.217181	24	DEEP	
	tut_0119 tut_0120	548.6886 552.6846	-1578.150 -1578.252	-170.5486 -170.5116	-14.27466 -14.27551	23.654658 27.235471	24 24	DEEP DEEP	
121 1	tut_0121	550.0872 549.0882	-1578.558 -1578.354	-170.5356	-14.27833	26.763735	24	DEEP	
	tut_0122 tut_0123	549.0882 549.4878	-1578.354 -1578.558		-14.27650 -14.27834	20.646126 22.526375	24 24	DEEP DEEP	
	tut_0124	552.1851 549.3879	-1578.558	-170.5162	-14.27829 -14.28572	29.598151	24	DEEP	
	tut_0125 tut_0126	549.3879 533.3040	-1579.374 -1578.150	-170.5421 -170.6912	-14.28572 -14.27489	27.114443 26.879216	24 25	DEEP DEEP	
	tut_0127 tut_0128	535.6017 534.1032	-1577.946 -1577.844	-170.6699 -170.6838	-14.27302 -14.27211	20.018290 28.319339	25 25	DEEP DEEP	
	tut_0128 tut_0129	534.1032 537.8994		-170.6838 -170.6487	-14.27211 -14.25362	28.319339 20.185520	25 26	DEEP	
	tut_0130 tut_0131	538.1991 544.0932	-1572.744 -1575.906	-170.6459 -170.5912	-14.22595 -14.25445	26.924194 27.342433	26 26	DEEP DEEP	
	tut_0131 tut_0132	544.0932		-170.5912 -170.7051		27.342433 27.544559	26	DEEP	
	tut_0133	547.4898 537.5997		-170.5598 -170.6514	-14.25347 -14.24993	25.071467 25.884469	26 26	DEEP DEEP	
	tut_0134 tut_0135	549.4878	-1577.640		-14.27004	28.641096	26	DEEP	
	tut_0136 tut_0137	535.8015 543.1941		-170.6681 -170.5996	-14.23797 -14.25354	23.688497 19.210798	26 26	DEEP DEEP	
138 1	tut_0138	539.6976	-1575.192	-170.6320	-14.24806	24.541533	26	DEEP	
	tut_0139 tut_0140	543.2940 532.0053	-1575.294 -1575.906	-170.5987 -170.7033	-14.24893 -14.25462	28.125131 19.470059	26 26	DEEP DEEP	
141 1	tut_0141	538.0992	-1575.192	-170.6468	-14.24808	27.938559	26	DEEP	
	tut_0142 tut_0143	546.4908 533.5038		-170.5690 -170.6894	-14.24427 -14.24630	28.624305 29.726873	26 26	DEEP DEEP	
144 1	tut_0144	535.1022	-1574.070	-170.6746	-14.23798	20.803945	26	DEEP	
	tut_0145 tut_0146	548.0892548.2890	-1578.252 -1578.048	-170.5542 -170.5523	-14.27559 -14.27375	19.608001 27.830108	26 26	DEEP DEEP	
147 1	tut_0147	540.8964	-1575.498	-170.6209	-14.25081	22.127696	26	DEEP	
	tut_0148 tut_0149	535.8015543.1941		-170.6681 -170.5996	-14.23981 -14.24985	29.17336720.987211	26 26	DEEP DEEP	
150 1	tut_0150	541.0962	-1578.558	-170.6190	-14.27847	29.154072	27	DEEP	
	tut_0151 tut_0152	540.4968 535.1022	-1580.292 -1579.578	-170.6245 -170.6745	-14.29416 -14.28778	18.669607 22.955055	27 27	DEEP DEEP	
	tut_0153 tut_0154	541.6956 545.0922	-1580.802 -1578.456	-170.6134 -170.5819	-14.29875 -14.27749	28.828380 22.143612	27 27	DEEP DEEP	
	tut_0154 tut_0155	545.0922 536.0013	-1578.456 -1579.578	-170.5819 -170.6662	-14.27749 -14.28777	23.072061	27 27	DEEP	
	tut_0156			-170.6079 -170.5977		26.954814 22.664697	27 27	DEEP DEEP	
	tut_0157 tut_0158	543.3939 530.3070		-170.5977 -170.7189		22.664697 20.219033	27 27	DEEP	
	tut_0159 tut_0160	534.3030 540.9963	-1581.414 -1578.558	-170.6819 -170.6199	-14.30439 -14.27848	19.034617 29.804293	27 27	DEEP DEEP	
161 1	tut_0161	540.9963	-1578.558 -1583.658	-170.6791	-14.27848 -14.32468	29.804293	27	DEEP	
	tut_0162 tut_0163	543.7935 537.5997	-1581.312 -1580.496	-170.5939 -170.6514	-14.30333 -14.29605	22.201310 25.516792	27 27	DEEP DEEP	
	tut_0163 tut_0164	537.5997	-1580.496 -1584.984		-14.33669	26.014191	27	DEEP	
	tut_0165 tut_0166	536.5008 534.5028	-1582.842 -1581.210	-170.6615 -170.6801	-14.31727 -14.30254	24.126996 28.771468	27 27	DEEP DEEP	
167 1	tut_0167	540.2970	-1580.292	-170.6264	-14.29416	18.853209	27	DEEP	
	tut_0168 tut_0169	537.0003 544.9923	-1580.292 -1578.762	-170.6569 -170.5829	-14.29421 -14.28026	25.443822 27.294746	27 27	DEEP DEEP	
170 1	tut_0170	544.8924	-1578.762	-170.5838	-14.28026	24.272027	27	DEEP	
	tut_0171	544.0932	-1581.516	-170.5912	-14.30517	22.958424 27.041961	27	DEEP	
114	tut 0172	539 70211	-1580.500	-1/(0.6366)	-14 /4hus	41.04	27	DEED	
173 1	tut_0172 tut_0173	539.2980 545.0922	-1581.312		-14.29695 -14.30331	26.384453	27	DEEP	
173 t 174 t	_	545.0922 531.9054	-1581.312 -1584.984	-170.5819	-14.30331 -14.33670				

176 tut_0176 540.6966

183 tut_0183 521.5158

185 tut_0185 528.0093

187 tut_0187 523.7136

522.8145

524.4129

524.8125

522.6147

518.1192

520.3170

518.9184

520.9164

177 tut_0177

178 tut_0178

179 tut_0179

180 tut_0180

181 tut_0181

182 tut_0182

184 tut_0184

186 tut_0186

-170.6227 -14.28032

-170.7903 -14.34232

-170.8320 -14.32944

-170.8116 -14.33404

-170.8005 -14.33588

-170.8246 -14.33405

-170.8060 -14.33772

-14.36077

-14.36813 22.866216

-170.7736 -14.36813 19.329303

-170.7402 -14.36810 24.041444

-14.36537

-170.7884

-170.7699

-1578.762

-1587.636

-1588.452

-1588.452

-1585.596

-1584.168

-1584.678

-1584.882

-1584.678

-1588.452

-1585.086

-1588.146 -170.7801

27

28

28

28

28

28

28

28

28

28

28

28

20.674297

29.348755

18.564705

19.446623

28.507034

18.388214

29.154517

24.453864

24.206627

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

DEEP

id

1 tut_0001

2 tut_0002

3 tut_0003

4 tut_0004

5 tut_0005

6 tut_0006

7 tut_0007

8 tut_0008

9 tut_0009

10 tut_0010

11 tut_0011

12 tut_0012

13 tut_0013

14 tut_0014

15 tut_0015

16 tut_0016

17 tut_0017

18 tut_0018

19 tut_0019

20 tut_0020

21 tut_0021

X

529.9074

523.3140

529.8075

518.9184

523.6137

523.1142

525.8115

547.1901

548.5887

536.0013

547.1901

537.6996

548.0892

541.2960

522.7146

522.8145

518.3190

525.1122

524.8125

525.1122

527.0103

longitude

-170.7227

-170.7838

-170.7236

-170.8246

-170.7810

-170.7856

-170.7606

-170.5625

-170.5495

-170.6662

-170.5625

-170.6505

-170.5542

-170.6171

-170.7893

-170.7884

-170.8301

-170.7672

-170.7699

-170.7672

-170.7496

у

-1578.456

-1579.578

-1579.476

-1581.312

-1587.432

-1586.412

-1588.146

-1579.476

-1578.660

-1578.150

-1577.232

-1576.110

-1578.456

-1578.048

-1585.392

-1585.902

-1584.270

-1579.578

-1579.782

-1579.680

-1579.884

depth

5.942204

4.016315

5.958093

3.896358

3.247596

2.797088

3.877036

3.506971

5.774637

3.910944

4.790939

2.549233

4.040463

5.801438

4.962767

3.760025

5.642894

14.143214

13.885247

10.449825

12.327922

latitude

-14.27770

-14.28790

-14.28692

-14.30362

-14.35891

-14.34970

-14.36535

-14.28668

-14.27928

-14.27486

-14.26639

-14.25639

-14.27744

-14.27386

-14.34048

-14.34509

-14.33036

-14.28789

-14.28973

-14.28881

-14.29064

strat depth_bin

1

1

1

1

2

2

3

4

5

6

7

7

7

8

9

9

9

10

10

10

10

SHAL

MID

MID

MID

MID