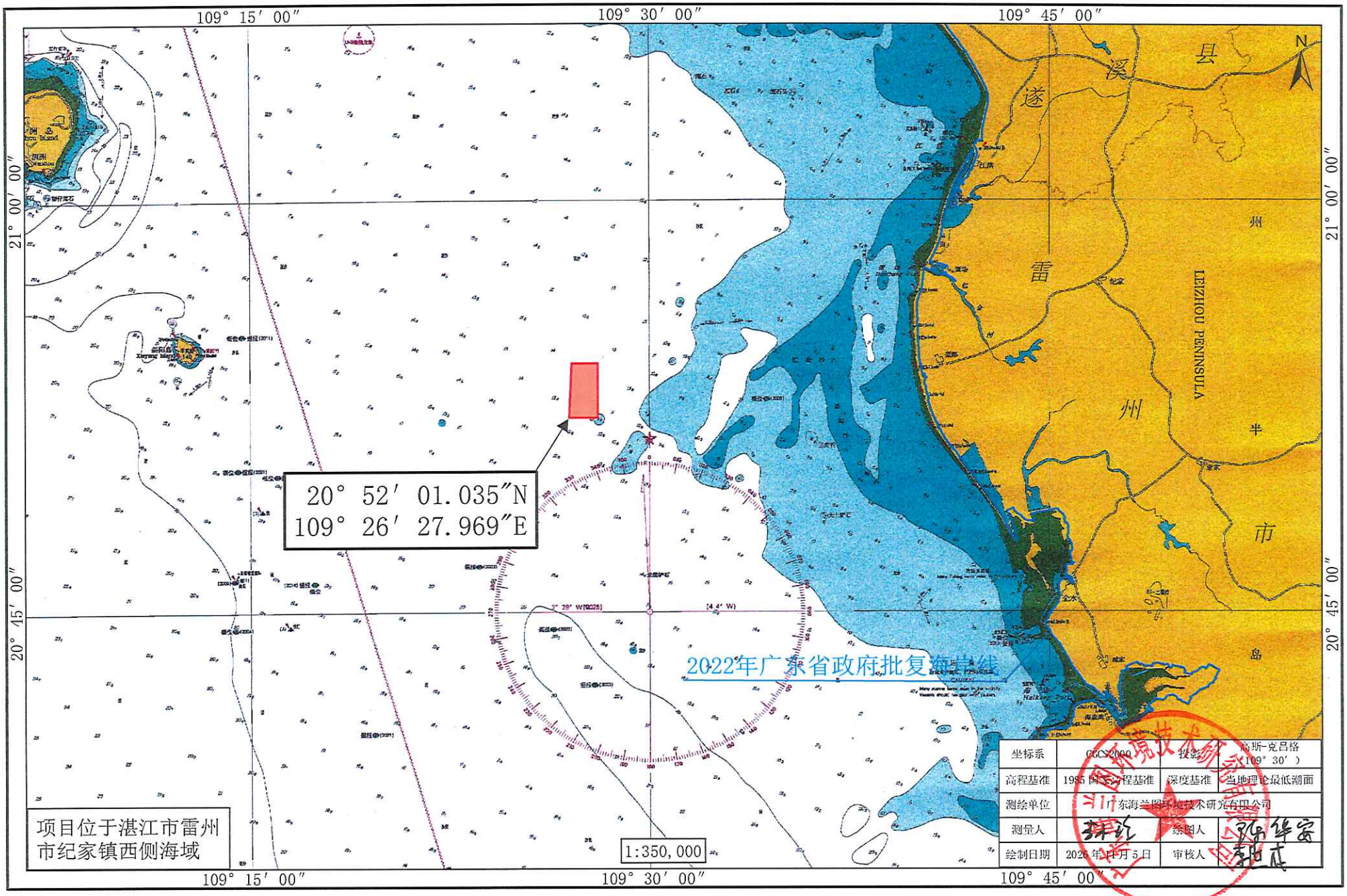
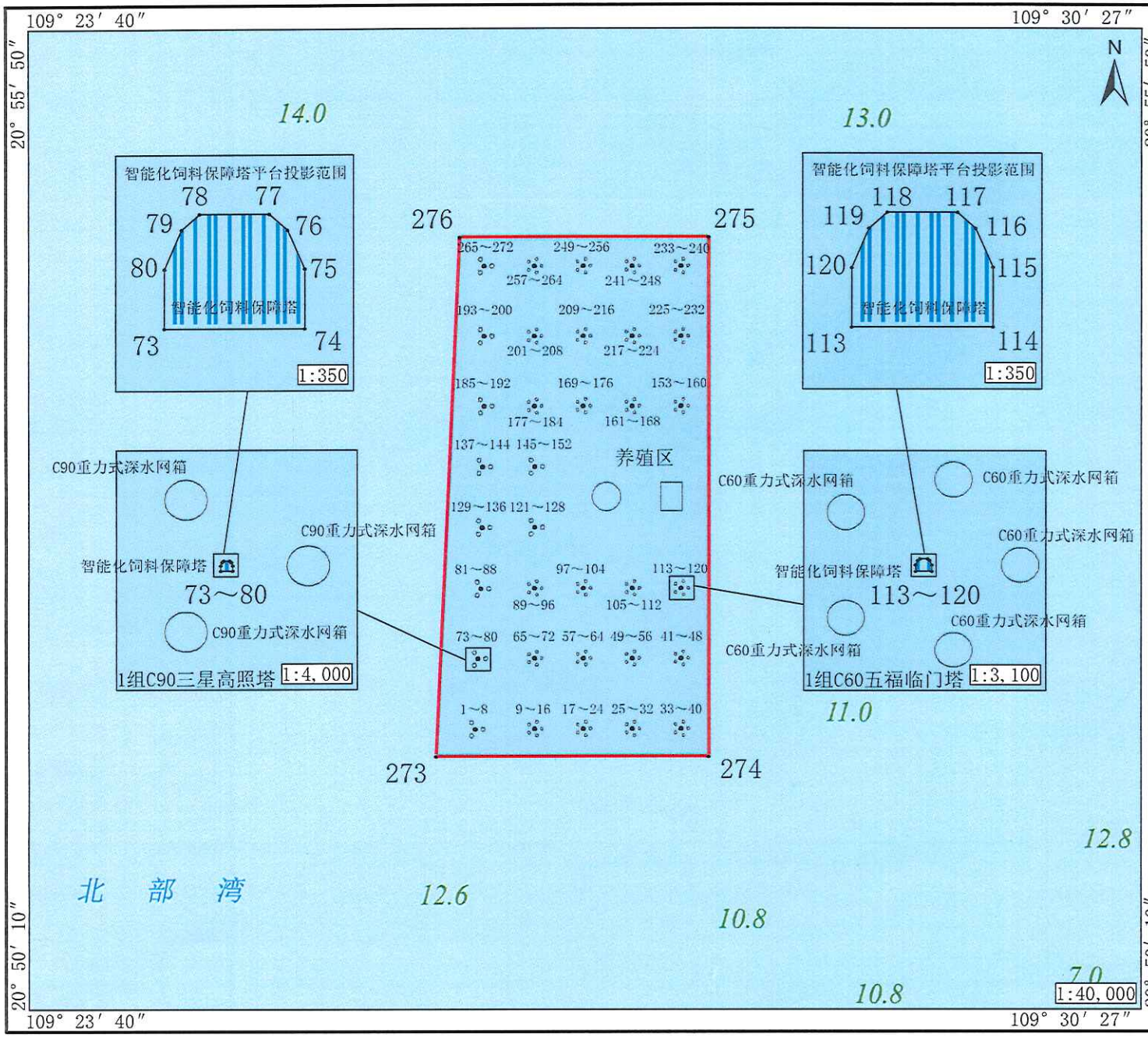
北部湾雷州包金沙3号海域智慧渔场示范项目（一期）宗海位置图



北部湾雷州包金沙3号海域智慧渔场示范项目（一期）宗海界址图



界址点编号及坐标（北纬|东经），见附页

内部单元	用海方式	界址线	面积（公顷）
智能化饲料保障塔	透水构筑物	1～8；9～16；17～24；25～32；33～40；41～48；49～56；57～64；65～72；73～80；81～88；89～96；97～104；105～112；113～120；121～128；129～136；137～144；145～152；153～160；161～168；169～176；177～184；185～192；193～200；201～208；209～216；217～224；225～232；233～240；241～248；249～256；257～264；265～272	0.1770
养殖区	开放式养殖	(273-274-275-276-273)-(1～8；9～16；17～24；25～32；33～40；41～48；49～56；57～64；65～72；73～80；81～88；89～96；97～104；105～112；113～120；121～128；129～136；137～144；145～152；153～160；161～168；169～176；177～184；185～192；193～200；201～208；209～216；217～224；225～232；233～240；241～248；249～256；257～264；265～272)	676.9707
宗海		273-274-275-276-273	677.1477

单元	用海空间层	高程范围
智能化饲料保障塔	水面	平均海平面至智能化饲料保障塔顶部高程（15.96m）
养殖区	水体、水面	养殖设施下缘至养殖设施顶部高程（15.33m）

坐标系	CGCS2000	投影	高斯-克吕格（109° 30′）
高程基准	1985国家高程基准	深度基准	当地理论最低潮面
测绘单位	广东海兰图环境技术研究有限公司		
测量人		绘图人	
绘制日期	2026年1月5日	审核人	

附页 1　北部湾雷州包金沙 3 号海域智慧渔场示范项目（一期）宗海界址点（续）

界址点编号及坐标（北纬|东经）					
1	20° 53′ 54.240″	109° 26′ 39.548″	29	20° 53′ 54.481″	109° 27′ 15.794″
2	20° 53′ 54.360″	109° 26′ 39.548″	30	20° 53′ 54.448″	109° 27′ 15.830″
3	20° 53′ 54.438″	109° 26′ 39.582″	31	20° 53′ 54.371″	109° 27′ 15.865″
4	20° 53′ 54.470″	109° 26′ 39.618″	32	20° 53′ 54.251″	109° 27′ 15.865″
5	20° 53′ 54.470″	109° 26′ 39.758″	33	20° 53′ 54.254″	109° 27′ 27.487″
6	20° 53′ 54.438″	109° 26′ 39.794″	34	20° 53′ 54.374″	109° 27′ 27.487″
7	20° 53′ 54.360″	109° 26′ 39.829″	35	20° 53′ 54.451″	109° 27′ 27.521″
8	20° 53′ 54.240″	109° 26′ 39.829″	36	20° 53′ 54.484″	109° 27′ 27.557″
9	20° 53′ 54.244″	109° 26′ 51.778″	37	20° 53′ 54.484″	109° 27′ 27.697″
10	20° 53′ 54.364″	109° 26′ 51.777″	38	20° 53′ 54.451″	109° 27′ 27.733″
11	20° 53′ 54.441″	109° 26′ 51.812″	39	20° 53′ 54.374″	109° 27′ 27.768″
12	20° 53′ 54.474″	109° 26′ 51.848″	40	20° 53′ 54.254″	109° 27′ 27.768″
13	20° 53′ 54.474″	109° 26′ 51.988″	41	20° 53′ 37.982″	109° 26′ 39.554″
14	20° 53′ 54.442″	109° 26′ 52.024″	42	20° 53′ 38.102″	109° 26′ 39.554″
15	20° 53′ 54.364″	109° 26′ 52.058″	43	20° 53′ 38.180″	109° 26′ 39.588″
16	20° 53′ 54.244″	109° 26′ 52.058″	44	20° 53′ 38.212″	109° 26′ 39.624″
17	20° 53′ 54.247″	109° 27′ 03.681″	45	20° 53′ 38.212″	109° 26′ 39.764″
18	20° 53′ 54.368″	109° 27′ 03.681″	46	20° 53′ 38.180″	109° 26′ 39.800″
19	20° 53′ 54.445″	109° 27′ 03.715″	47	20° 53′ 38.102″	109° 26′ 39.835″
20	20° 53′ 54.478″	109° 27′ 03.751″	48	20° 53′ 37.982″	109° 26′ 39.835″
21	20° 53′ 54.478″	109° 27′ 03.891″	49	20° 53′ 37.986″	109° 26′ 51.783″
22	20° 53′ 54.445″	109° 27′ 03.927″	50	20° 53′ 38.106″	109° 26′ 51.783″
23	20° 53′ 54.368″	109° 27′ 03.961″	51	20° 53′ 38.184″	109° 26′ 51.818″
24	20° 53′ 54.247″	109° 27′ 03.962″	52	20° 53′ 38.216″	109° 26′ 51.854″
25	20° 53′ 54.251″	109° 27′ 15.584″	53	20° 53′ 38.216″	109° 26′ 51.993″
26	20° 53′ 54.371″	109° 27′ 15.584″	54	20° 53′ 38.184″	109° 26′ 52.029″
27	20° 53′ 54.448″	109° 27′ 15.618″	55	20° 53′ 38.106″	109° 26′ 52.064″
28	20° 53′ 54.481″	109° 27′ 15.654″	56	20° 53′ 37.986″	109° 26′ 52.064″

测绘单位	广东海兰图环境技术研究有限公司		
测量人	李林晓	绘图人	陈华安
绘制日期	2026 年 11 月 5 日	审核人	李世成

附页 2　北部湾雷州包金沙 3 号海域智慧渔场示范项目（一期）宗海界址点（续）

界址点编号及坐标（北纬|东经）					
57	20° 53′ 37.989″	109° 27′ 03.686″	85	20° 53′ 21.954″	109° 26′ 39.770″
58	20° 53′ 38.110″	109° 27′ 03.686″	86	20° 53′ 21.922″	109° 26′ 39.806″
59	20° 53′ 38.187″	109° 27′ 03.720″	87	20° 53′ 21.845″	109° 26′ 39.841″
60	20° 53′ 38.220″	109° 27′ 03.756″	88	20° 53′ 21.724″	109° 26′ 39.841″
61	20° 53′ 38.220″	109° 27′ 03.896″	89	20° 53′ 21.728″	109° 26′ 51.789″
62	20° 53′ 38.187″	109° 27′ 03.932″	90	20° 53′ 21.848″	109° 26′ 51.789″
63	20° 53′ 38.110″	109° 27′ 03.967″	91	20° 53′ 21.926″	109° 26′ 51.823″
64	20° 53′ 37.990″	109° 27′ 03.967″	92	20° 53′ 21.958″	109° 26′ 51.859″
65	20° 53′ 37.993″	109° 27′ 15.589″	93	20° 53′ 21.958″	109° 26′ 51.999″
66	20° 53′ 38.113″	109° 27′ 15.588″	94	20° 53′ 21.926″	109° 26′ 52.035″
67	20° 53′ 38.190″	109° 27′ 15.623″	95	20° 53′ 21.848″	109° 26′ 52.070″
68	20° 53′ 38.223″	109° 27′ 15.659″	96	20° 53′ 21.728″	109° 26′ 52.070″
69	20° 53′ 38.223″	109° 27′ 15.799″	97	20° 53′ 21.732″	109° 27′ 03.691″
70	20° 53′ 38.191″	109° 27′ 15.835″	98	20° 53′ 21.852″	109° 27′ 03.691″
71	20° 53′ 38.113″	109° 27′ 15.869″	99	20° 53′ 21.929″	109° 27′ 03.726″
72	20° 53′ 37.993″	109° 27′ 15.869″	100	20° 53′ 21.962″	109° 27′ 03.762″
73	20° 53′ 37.996″	109° 27′ 27.491″	101	20° 53′ 21.962″	109° 27′ 03.901″
74	20° 53′ 38.116″	109° 27′ 27.491″	102	20° 53′ 21.929″	109° 27′ 03.937″
75	20° 53′ 38.194″	109° 27′ 27.526″	103	20° 53′ 21.852″	109° 27′ 03.972″
76	20° 53′ 38.226″	109° 27′ 27.562″	104	20° 53′ 21.732″	109° 27′ 03.972″
77	20° 53′ 38.226″	109° 27′ 27.702″	105	20° 53′ 21.735″	109° 27′ 15.593″
78	20° 53′ 38.194″	109° 27′ 27.738″	106	20° 53′ 21.855″	109° 27′ 15.593″
79	20° 53′ 38.116″	109° 27′ 27.772″	107	20° 53′ 21.933″	109° 27′ 15.628″
80	20° 53′ 37.996″	109° 27′ 27.772″	108	20° 53′ 21.965″	109° 27′ 15.664″
81	20° 53′ 21.724″	109° 26′ 39.560″	109	20° 53′ 21.965″	109° 27′ 15.804″
82	20° 53′ 21.845″	109° 26′ 39.560″	110	20° 53′ 21.933″	109° 27′ 15.840″
83	20° 53′ 21.922″	109° 26′ 39.594″	111	20° 53′ 21.855″	109° 27′ 15.874″
84	20° 53′ 21.954″	109° 26′ 39.630″	112	20° 53′ 21.735″	109° 27′ 15.874″

测绘单位	广东海图环境技术研究有限公司		
测量人	李小沈	绘图人	陈华富
绘制日期	2026 年 11 月 5 日	审核人	李世成

附页 3　北部湾雷州包金沙 3 号海域智慧渔场示范项目（一期）宗海界址点（续）

界址点编号及坐标（北纬|东经）					
113	20° 53′ 21.738″	109° 27′ 27.496″	141	20° 52′ 54.038″	109° 26′ 39.280″
114	20° 53′ 21.858″	109° 27′ 27.496″	142	20° 52′ 54.005″	109° 26′ 39.316″
115	20° 53′ 21.936″	109° 27′ 27.530″	143	20° 52′ 53.928″	109° 26′ 39.350″
116	20° 53′ 21.968″	109° 27′ 27.566″	144	20° 52′ 53.808″	109° 26′ 39.350″
117	20° 53′ 21.968″	109° 27′ 27.706″	145	20° 52′ 53.844″	109° 26′ 51.879″
118	20° 53′ 21.936″	109° 27′ 27.742″	146	20° 52′ 53.965″	109° 26′ 51.879″
119	20° 53′ 21.858″	109° 27′ 27.777″	147	20° 52′ 54.042″	109° 26′ 51.913″
120	20° 53′ 21.738″	109° 27′ 27.777″	148	20° 52′ 54.075″	109° 26′ 51.949″
121	20° 53′ 07.756″	109° 26′ 39.203″	149	20° 52′ 54.075″	109° 26′ 52.089″
122	20° 53′ 07.876″	109° 26′ 39.203″	150	20° 52′ 54.042″	109° 26′ 52.125″
123	20° 53′ 07.954″	109° 26′ 39.237″	151	20° 52′ 53.965″	109° 26′ 52.160″
124	20° 53′ 07.986″	109° 26′ 39.273″	152	20° 52′ 53.844″	109° 26′ 52.160″
125	20° 53′ 07.986″	109° 26′ 39.413″	153	20° 52′ 39.663″	109° 26′ 38.729″
126	20° 53′ 07.954″	109° 26′ 39.449″	154	20° 52′ 39.784″	109° 26′ 38.729″
127	20° 53′ 07.876″	109° 26′ 39.484″	155	20° 52′ 39.861″	109° 26′ 38.763″
128	20° 53′ 07.756″	109° 26′ 39.484″	156	20° 52′ 39.893″	109° 26′ 38.799″
129	20° 53′ 07.761″	109° 26′ 51.874″	157	20° 52′ 39.893″	109° 26′ 38.939″
130	20° 53′ 07.881″	109° 26′ 51.874″	158	20° 52′ 39.861″	109° 26′ 38.975″
131	20° 53′ 07.959″	109° 26′ 51.908″	159	20° 52′ 39.784″	109° 26′ 39.010″
132	20° 53′ 07.991″	109° 26′ 51.944″	160	20° 52′ 39.663″	109° 26′ 39.010″
133	20° 53′ 07.991″	109° 26′ 52.084″	161	20° 52′ 39.783″	109° 26′ 51.803″
134	20° 53′ 07.959″	109° 26′ 52.120″	162	20° 52′ 39.903″	109° 26′ 51.803″
135	20° 53′ 07.881″	109° 26′ 52.155″	163	20° 52′ 39.980″	109° 26′ 51.838″
136	20° 53′ 07.761″	109° 26′ 52.155″	164	20° 52′ 40.013″	109° 26′ 51.874″
137	20° 52′ 53.808″	109° 26′ 39.070″	165	20° 52′ 40.013″	109° 26′ 52.014″
138	20° 52′ 53.928″	109° 26′ 39.069″	166	20° 52′ 39.981″	109° 26′ 52.050″
139	20° 52′ 54.005″	109° 26′ 39.104″	167	20° 52′ 39.903″	109° 26′ 52.084″
140	20° 52′ 54.038″	109° 26′ 39.140″	168	20° 52′ 39.783″	109° 26′ 52.084″

测绘单位	广东海图环境技术研究有限公司		
测量人	李士欣	绘图人	陈华安
绘制日期	2026 年 11 月 5 日	审核人	李世成

附页 4　北部湾雷州包金沙 3 号海域智慧渔场示范项目（一期）宗海界址点（续）

界址点编号及坐标（北纬|东经）					
169	20° 52′ 39.786″	109° 27′ 03.705″	197	20° 52′ 23.635″	109° 26′ 38.253″
170	20° 52′ 39.907″	109° 27′ 03.705″	198	20° 52′ 23.603″	109° 26′ 38.289″
171	20° 52′ 39.984″	109° 27′ 03.739″	199	20° 52′ 23.525″	109° 26′ 38.324″
172	20° 52′ 40.016″	109° 27′ 03.775″	200	20° 52′ 23.405″	109° 26′ 38.324″
173	20° 52′ 40.017″	109° 27′ 03.915″	201	20° 52′ 23.525″	109° 26′ 51.809″
174	20° 52′ 39.984″	109° 27′ 03.951″	202	20° 52′ 23.645″	109° 26′ 51.809″
175	20° 52′ 39.907″	109° 27′ 03.986″	203	20° 52′ 23.723″	109° 26′ 51.843″
176	20° 52′ 39.786″	109° 27′ 03.986″	204	20° 52′ 23.755″	109° 26′ 51.879″
177	20° 52′ 39.790″	109° 27′ 15.606″	205	20° 52′ 23.755″	109° 26′ 52.019″
178	20° 52′ 39.910″	109° 27′ 15.606″	206	20° 52′ 23.723″	109° 26′ 52.055″
179	20° 52′ 39.987″	109° 27′ 15.641″	207	20° 52′ 23.645″	109° 26′ 52.090″
180	20° 52′ 40.020″	109° 27′ 15.677″	208	20° 52′ 23.525″	109° 26′ 52.090″
181	20° 52′ 40.020″	109° 27′ 15.816″	209	20° 52′ 23.528″	109° 27′ 03.710″
182	20° 52′ 39.987″	109° 27′ 15.852″	210	20° 52′ 23.649″	109° 27′ 03.710″
183	20° 52′ 39.910″	109° 27′ 15.887″	211	20° 52′ 23.726″	109° 27′ 03.745″
184	20° 52′ 39.790″	109° 27′ 15.887″	212	20° 52′ 23.759″	109° 27′ 03.780″
185	20° 52′ 39.793″	109° 27′ 27.508″	213	20° 52′ 23.759″	109° 27′ 03.920″
186	20° 52′ 39.913″	109° 27′ 27.508″	214	20° 52′ 23.726″	109° 27′ 03.956″
187	20° 52′ 39.990″	109° 27′ 27.542″	215	20° 52′ 23.649″	109° 27′ 03.991″
188	20° 52′ 40.023″	109° 27′ 27.578″	216	20° 52′ 23.528″	109° 27′ 03.991″
189	20° 52′ 40.023″	109° 27′ 27.718″	217	20° 52′ 23.532″	109° 27′ 15.611″
190	20° 52′ 39.990″	109° 27′ 27.754″	218	20° 52′ 23.652″	109° 27′ 15.611″
191	20° 52′ 39.913″	109° 27′ 27.788″	219	20° 52′ 23.729″	109° 27′ 15.646″
192	20° 52′ 39.793″	109° 27′ 27.788″	220	20° 52′ 23.762″	109° 27′ 15.682″
193	20° 52′ 23.405″	109° 26′ 38.043″	221	20° 52′ 23.762″	109° 27′ 15.821″
194	20° 52′ 23.525″	109° 26′ 38.043″	222	20° 52′ 23.729″	109° 27′ 15.857″
195	20° 52′ 23.603″	109° 26′ 38.077″	223	20° 52′ 23.652″	109° 27′ 15.892″
196	20° 52′ 23.635″	109° 26′ 38.113″	224	20° 52′ 23.532″	109° 27′ 15.892″

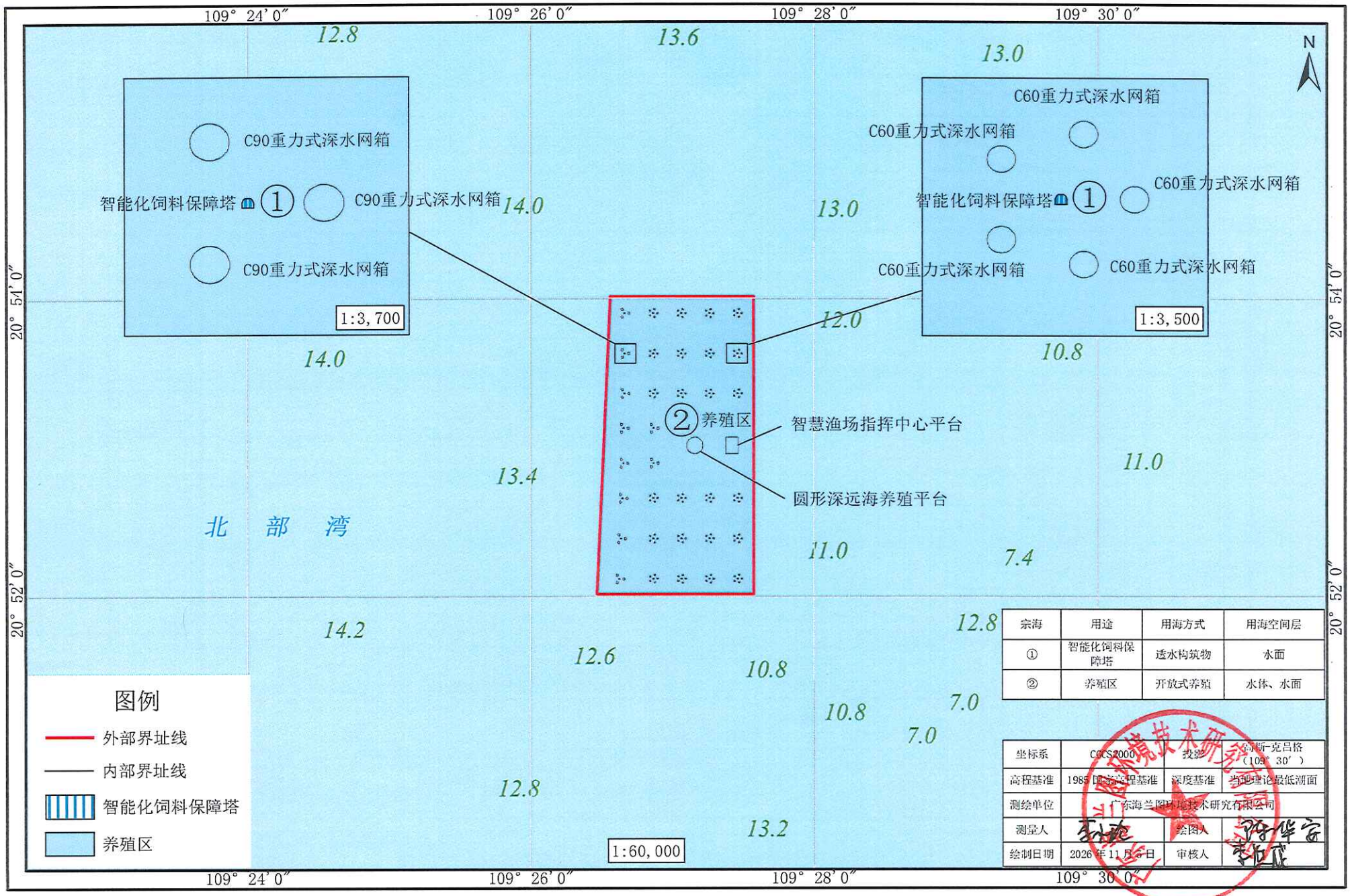
测绘单位	广东海兰图环境技术研究有限公司		
测量人		绘图人	
绘制日期	2026 年 11 月 5 日	审核人	

附页 5　北部湾雷州包金沙 3 号海域智慧渔场示范项目（一期）宗海界址点（续）

界址点编号及坐标（北纬|东经）					
225	20° 52′ 23.535″	109° 27′ 27.512″	253	20° 52′ 07.501″	109° 27′ 03.926″
226	20° 52′ 23.655″	109° 27′ 27.512″	254	20° 52′ 07.468″	109° 27′ 03.962″
227	20° 52′ 23.732″	109° 27′ 27.547″	255	20° 52′ 07.391″	109° 27′ 03.996″
228	20° 52′ 23.765″	109° 27′ 27.583″	256	20° 52′ 07.271″	109° 27′ 03.996″
229	20° 52′ 23.765″	109° 27′ 27.722″	257	20° 52′ 07.274″	109° 27′ 15.616″
230	20° 52′ 23.732″	109° 27′ 27.758″	258	20° 52′ 07.394″	109° 27′ 15.616″
231	20° 52′ 23.655″	109° 27′ 27.793″	259	20° 52′ 07.471″	109° 27′ 15.650″
232	20° 52′ 23.535″	109° 27′ 27.793″	260	20° 52′ 07.504″	109° 27′ 15.686″
233	20° 52′ 07.147″	109° 26′ 37.357″	261	20° 52′ 07.504″	109° 27′ 15.826″
234	20° 52′ 07.267″	109° 26′ 37.357″	262	20° 52′ 07.472″	109° 27′ 15.862″
235	20° 52′ 07.345″	109° 26′ 37.392″	263	20° 52′ 07.394″	109° 27′ 15.897″
236	20° 52′ 07.377″	109° 26′ 37.427″	264	20° 52′ 07.274″	109° 27′ 15.897″
237	20° 52′ 07.377″	109° 26′ 37.567″	265	20° 52′ 07.277″	109° 27′ 27.517″
238	20° 52′ 07.345″	109° 26′ 37.603″	266	20° 52′ 07.397″	109° 27′ 27.517″
239	20° 52′ 07.267″	109° 26′ 37.638″	267	20° 52′ 07.475″	109° 27′ 27.551″
240	20° 52′ 07.147″	109° 26′ 37.638″	268	20° 52′ 07.507″	109° 27′ 27.587″
241	20° 52′ 07.267″	109° 26′ 51.815″	269	20° 52′ 07.507″	109° 27′ 27.727″
242	20° 52′ 07.387″	109° 26′ 51.815″	270	20° 52′ 07.475″	109° 27′ 27.763″
243	20° 52′ 07.465″	109° 26′ 51.849″	271	20° 52′ 07.397″	109° 27′ 27.798″
244	20° 52′ 07.497″	109° 26′ 51.885″	272	20° 52′ 07.277″	109° 27′ 27.798″
245	20° 52′ 07.497″	109° 26′ 52.025″	273	20° 52′ 01.035″	109° 26′ 27.969″
246	20° 52′ 07.465″	109° 26′ 52.061″	274	20° 52′ 01.055″	109° 27′ 34.418″
247	20° 52′ 07.387″	109° 26′ 52.095″	275	20° 54′ 00.872″	109° 27′ 34.386″
248	20° 52′ 07.267″	109° 26′ 52.095″	276	20° 54′ 00.855″	109° 26′ 33.677″
249	20° 52′ 07.270″	109° 27′ 03.715″			
250	20° 52′ 07.391″	109° 27′ 03.715″			
251	20° 52′ 07.468″	109° 27′ 03.750″			
252	20° 52′ 07.501″	109° 27′ 03.786″			

测绘单位	广东海兰图环境技术研究有限公司		
测量人	李士政	绘图人	陈华安
绘制日期	2026 年 11 月 5 日	审核人	李世成

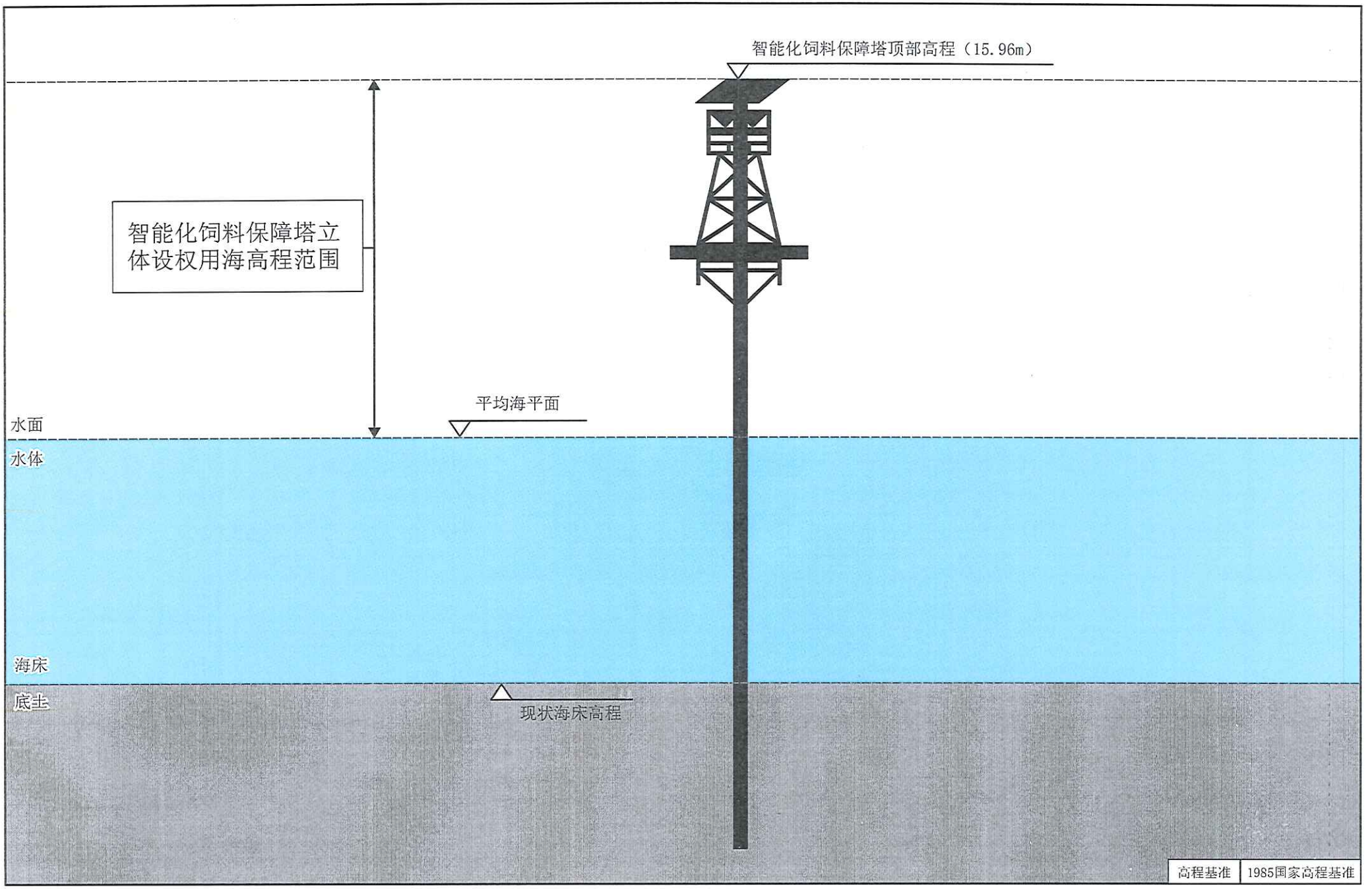
北部湾雷州包金沙3号海域智慧渔场示范项目（一期）宗海平面布置图



宗海	用途	用海方式	用海空间层
①	智能化饲料保障塔	透水构筑物	水面
②	养殖区	开放式养殖	水体、水面

坐标系	CGCS2000	投影	高斯-克吕格（109° 30′）
高程基准	1985国家高程基准	深度基准	当地理论最低潮面
测绘单位	广东海兰图环境技术研究有限公司		
测量人	李秋	绘图人	许华宝
绘制日期	2026年11月5日	审核人	李秋成

雷州包金沙3号海洋牧场开发项目宗海立体空间范围示意图（智能化饲料保障塔）



北部湾雷州包金沙3号海域智慧渔场示范项目（一期）宗海立体空间范围示意图（养殖区）

