

Results of Questionnaire Survey to Tourist (No. 9-14)

174	2	VND	800,000	13,200	61	0	0.0	0	0.0	0	0.0	0	0.0	3
175	4	VND	2,000,000	13,200	152	0	0.0	0	0.0	0	0.0	0.001	0.2	3
176	5	VND	1,300,000	13,200	98	0	0.0	0	0.0	0	0.0	0.001	0.1	3
177	4	VND	2,000,000	13,200	152	0	0.0	0.001	0.2	0.001	0.2	0.001	0.2	3
178	5	VND	1,500,000	13,200	114	0.001	0.1	0	0.0	0	0.0	0	0.0	3
179	4	VND	1,500,000	13,200	114	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
180	5	VND	2,000,000	13,200	152	0.001	0.2	0.001	0.2	0.001	0.2	0.001	0.2	3
181	4	VND	1,100,000	13,200	83	0	0.0	0	0.0	0.001	0.1	0.001	0.1	3
182	3	VND	1,200,000	13,200	91	0	0.0	0	0.0	0	0.0	0.001	0.1	3
183	4	VND	1,000,000	13,200	76	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
184	4	VND	1,500,000	13,200	114	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
185	4	VND	1,200,000	13,200	91	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
186	4	VND	1,200,000	13,200	91	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
187	4	VND	1,000,000	13,200	76	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
188	4	VND	1,000,000	13,200	76	0	0.0	0	0.0	0	0.0	0.001	0.1	3
189	4	VND	1,000,000	13,200	76	0	0.0	0	0.0	0.001	0.1	0	0.0	3
190	4	VND	800,000	13,200	61	0	0.0	0	0.0	0.001	0.1	0.001	0.1	3
191	4	VND	1,000,000	13,200	76	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	3
192	4	VND	1,000,000	13,200	76	0	0.0	0	0.0	0	0.0	0.001	0.1	3
193	4	VND	800,000	13,200	61	0	0.0	0	0.0	0	0.0	0	0.0	3
194	5	VND	4,500,000	13,200	341	0	0.0	0.005	1.7	0.005	1.7	0.01	3.4	3
195	6	VND	1,800,000	13,200	136	0	0.0	0.001	0.1	0.001	0.1	0.01	1.4	3
196	6	VND	72,000,000	13,200	5,455	0.01	54.5	0.005	27.3	0.005	27.3	0.015	81.8	3
197	6	VND	2,000,000	13,200	152	0.025	3.8	0.015	2.3	0.015	2.3	0.025	3.8	1
198	10	US	5,000	1	5,000	0.01	50.0	0.015	75.0	0.015	75.0	0.02	100.0	1
199	4	VND	1,200,000	13,200	91	0	0.0	0	0.0	0	0.0	0	0.0	1
200	6	VND	3,000,000	13,200	227	0	0.0	0.01	2.3	0.01	2.3	0.02	4.5	3
201	4	VND	4,800,000	13,200	364	0.001	0.4	0.001	0.4	0.001	0.4	0.001	0.4	3
202	3	VND	2,000,000	13,200	152	0.001	0.2	0.001	0.2	0.001	0.2	0.001	0.2	1
203	4	VND	2,000,000	13,200	152	0	0.0	0	0.0	0	0.0	0.05	7.6	3

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204	6	VND	1,800,000	13,200	136	0	0.0	0.001	0.1	0.01	1.4	1
205	4	VND	3,500,000	13,200	265	0.005	1.3	0.005	1.3	0.005	1.3	3
206	6	VND	1,800,000	13,200	136	0.001	0.1	0.001	0.1	0.001	0.1	1
207	5	VND	1,500,000	13,200	114	0.001	0.1	0.001	0.1	0.005	0.6	1
208	5	VND	2,000,000	13,200	152	0	0.0	0	0.0	0	0.0	1
209	4	VND	2,500,000	13,200	189	0	0.0	0	0.0	0	0.0	1
210	4	VND	1,500,000	13,200	114	0.005	0.6	0.005	0.6	0.001	0.1	1
211	5	VND	2,000,000	13,200	152	0	0.0	0.005	0.8	0.005	0.8	3
212	5	VND	3,500,000	13,200	265	0	0.0	0.005	1.3	0.001	0.3	1
213	4	VND	4,000,000	13,200	303	0	0.0	0.005	1.5	0.005	1.5	1
214	4	VND	4,000,000	13,200	303	0.015	4.5	0.015	4.5	0.015	4.5	1
215	4	VND	1,200,000	13,200	91	0	0.0	0.01	0.9	0.01	0.9	3
216	9	VND	3,000,000	13,200	227	0	0.0	0.005	1.1	0.005	1.1	1
217	4	VND	1,400,000	13,200	106	0	0.0	0.01	1.1	0.01	1.1	1
218	3	VND	1,500,000	13,200	114	0.005	0.6	0.005	0.6	0.001	0.1	1
219	4	VND	1,500,000	13,200	114	0	0.0	0	0.0	0.005	0.6	1
220	5	VND	2,000,000	13,200	152	0	0.0	0.005	0.8	0.005	0.8	3
221	6	VND	2,500,000	13,200	189	0	0.0	0.001	0.2	0.01	1.9	3
222	4	VND	2,000,000	13,200	152	0	0.0	0.015	2.3	0.01	1.5	3
223	4	VND	1,500,000	13,200	114	0	0.0	0.005	0.6	0.005	0.6	1
224	4	VND	4,000,000	13,200	303	0	0.0	0.01	3.0	0.005	1.5	1
225	5	VND	4,000,000	13,200	303	0.001	0.3	0.005	1.5	0.01	3.0	1
226	3	VND	1,200,000	13,200	91	0.001	0.1	0.01	0.9	0.01	0.9	1
227	5	VND	3,000,000	13,200	227	0.005	1.1	0.005	1.1	0.005	1.1	1
228	4	VND	12,000,000	13,200	909	0	0.0	0	0.0	0.001	0.9	3
229	3	VND	1,800,000	13,200	136	0	0.0	0.001	0.1	0.001	0.1	1
230	3	VND	1,500,000	13,200	114	0	0.0	0.001	0.1	0.001	0.1	3
231	3	VND	2,000,000	13,200	152	0	0.0	0	0.0	0.001	0.2	1
232	4	VND	2,000,000	13,200	152	0	0.0	0.001	0.2	0.001	0.2	1
233	3	VND	2,800,000	13,200	212	0	0.0	0	0.0	0.001	0.2	3

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234	4	VND	5,000,000	13,200	379	0	0.0	0	0.0	0	0.0	0.001	0.4	1
235	4	VND	200,000	13,200	15	0	0.0	0.001	0.0	0.005	0.1	0.005	0.1	3
236	3	VND	2,000,000	13,200	152	0	0.0	0	0.0	0.001	0.2	0.001	0.2	3
237	4	VND	1,200,000	13,200	91	0	0.0	0.001	0.1	0.005	0.5	0.005	0.5	1
238	4	VND	2,400,000	13,200	182	0.001	0.2	0.015	2.7	0.02	3.6	0.02	3.6	1
239	5	VND	2,500,000	13,200	189	0.001	0.2	0.015	2.8	0.025	4.7	0.025	4.7	1
240	6	VND	1,800,000	13,200	136	0	0.0	0	0.0	0	0.0	0	0.0	3
241	7	VND	1,600,000	13,200	121	0	0.0	0.001	0.1	0.005	0.6	0.005	0.6	1
242	4	VND	2,800,000	13,200	212	0.005	1.1	0.005	1.1	0.005	1.1	0.005	1.1	1
243	6	VND	3,000,000	13,200	227	0	0.0	0.001	0.2	0.001	0.2	0.001	0.2	1
244	4	VND	2,400,000	13,200	182	0.005	0.9	0.01	1.8	0.02	3.6	0.02	3.6	1
245	6	VND	2,400,000	13,200	182	0.005	0.9	0.01	1.8	0.01	1.8	0.01	1.8	1
246	4	VND	2,800,000	13,200	212	0.005	1.1	0.01	2.1	0.02	4.2	0.02	4.2	1
247	7	VND	3,500,000	13,200	265	0	0.0	0.015	4.0	0.015	4.0	0.015	4.0	1
248	7	VND	2,000,000	13,200	152	0	0.0	0	0.0	0.015	2.3	0.015	2.3	3
249	3	VND	1,500,000	13,200	114	0.001	0.1	0.001	0.1	0.001	0.1	0.001	0.1	1
250	4	VND	1,200,000	13,200	91	0	0.0	0.005	0.5	0.015	1.4	0.015	1.4	1
251	6	VND	1,800,000	13,200	136	0	0.0	0.005	0.7	0.005	0.7	0.005	0.7	1
252	4	VND	4,000,000	13,200	303	0.01	3.0	0.015	4.5	0.02	6.1	0.02	6.1	1
253	5	VND	3,000,000	13,200	227	0.001	0.2	0.005	1.1	0.005	1.1	0.005	1.1	3
254	7	VND	2,100,000	13,200	159	0	0.0	0	0.0	0	0.0	0	0.0	1
255	6	VND	3,000,000	13,200	227	0	0.0	0.005	1.1	0.005	1.1	0.005	1.1	1
256	4	VND	1,600,000	13,200	121	0.005	0.6	0.005	0.6	0.005	0.6	0.005	0.6	1
257	5	VND	1,200,000	13,200	91	0.001	0.1	0.005	0.5	0.005	0.5	0.005	0.5	1
258	4	VND	3,000,000	13,200	227	0.01	2.3	0.005	1.1	0.01	2.3	0.01	2.3	1
259	4	VND	2,000,000	13,200	152	0.001	0.2	0.005	0.8	0.001	0.2	0.001	0.2	1
260	4	VND	2,000,000	13,200	152	0.01	1.5	0.005	0.8	0.005	0.8	0.005	0.8	1
261	5	VND	2,000,000	13,200	152	0	0.0	0.001	0.2	0.005	0.8	0.005	0.8	1
262	4	VND	1,500,000	13,200	114	0	0.0	0	0.0	0.001	0.1	0.001	0.1	1
263	4	VND	4,000,000	13,200	303	0	0.0	0	0.0	0	0.0	0	0.0	1

Results of Questionnaire Survey to Tourist (No. 9-14)

264	5	VND	4,500,000	13,200	341	0	0.0	0	0.0	0	0.0	0	0.0	1
265	6	VND	6,000,000	13,200	455	0	0.0	0	0.0	0	0.0	0	0.0	2
266	5	VND	2,500,000	13,200	189	0	0.0	0.015	2.8	0.025	4.7	0.025	4.7	1
267	6	VND	1,800,000	13,200	136	0.005	0.7	0.01	1.4	0.02	2.7	0.02	2.7	1
268	3	VND	2,000,000	13,200	152	0.005	0.8	0.01	1.5	0.015	2.3	0.015	2.3	1
269	4	VND	2,000,000	13,200	152	0.001	0.2	0.015	2.3	0.025	3.8	0.025	3.8	3
270	7	VND	3,500,000	13,200	265	0	0.0	0.005	1.3	0.01	2.7	0.01	2.7	1
271	6	VND	4,800,000	13,200	364	0.001	0.4	0.01	3.6	0.02	7.3	0.02	7.3	1
272	4	VND	2,800,000	13,200	212	0	0.0	0.02	4.2	0.02	4.2	0.02	4.2	1
273	6	VND	6,000,000	13,200	455	0.01	4.5	0.015	6.8	0.02	9.1	0.02	9.1	1
274	5	VND	5,000,000	13,200	379	0.005	1.9	0.01	3.8	0.015	5.7	0.015	5.7	1
275	5	VND	3,000,000	13,200	227	0.01	2.3	0.01	2.3	0.01	2.3	0.01	2.3	1
276	4	VND	4,000,000	13,200	303	0.01	3.0	0.01	3.0	0.01	3.0	0.01	3.0	1
277	4	VND	2,000,000	13,200	152	0.001	0.2	0.01	1.5	0.02	3.0	0.02	3.0	3
278	6	VND	3,000,000	13,200	227	0.001	0.2	0.005	1.1	0.01	2.3	0.01	2.3	1
279	8	VND	2,400,000	13,200	182	0.005	0.9	0.01	1.8	0.015	2.7	0.015	2.7	1
280	6	VND	1,800,000	13,200	136	0	0.0	0.015	2.0	0.01	1.4	0.01	1.4	1
281	6	VND	4,200,000	13,200	318	0	0.0	0.01	3.2	0.015	4.8	0.015	4.8	1
282	4	VND	3,200,000	13,200	242	0.001	0.2	0.005	1.2	0.005	1.2	0.005	1.2	1
283	5	VND	5,000,000	13,200	379	0.001	0.4	0.001	0.4	0.001	0.4	0.001	0.4	1
284	5	VND	4,000,000	13,200	303	0.001	0.3	0.001	0.3	0.001	1.5	0.001	1.5	1
285	4	VND	5,000,000	13,200	379	0	0.0	0	0.0	0	0.0	0	0.0	1
286	4	VND	3,500,000	13,200	265	0	0.0	0	0.0	0	0.0	0	0.0	1
287	3	VND	2,000,000	13,200	152	0	0.0	0	0.0	0	0.0	0	0.0	1
288	4	VND	3,600,000	13,200	273	0	0.0	0	0.0	0	0.0	0	0.0	1
289	4	VND	5,000,000	13,200	379	0	0.0	0	0.0	0	0.0	0	0.0	3
290	5	VND	8,000,000	13,200	606	0	0.0	0	0.0	0.001	0.6	0.001	0.6	3

*No/Unit: 11 Question No: 11, 12, 13: Soteria family health center will continue to return, to donate, it's time and effort to the needy Vietnamese. Propre in the future

Results of Questionnaire Survey to Tourist (No. 15-18)

APPENDIX II-2 Detail results of the survey on willingness of international and national tourists to pay for Halong Bay Environment

Que. No	15															16		17		18	
	General Impression															Favourite Points		Dissatisfaction		Dissatisfied Points	
	1. Beach	2. Water	3. Services	4. Food	5. Price	6. Hospitality	7. Transport	8. Boat	9. Cleanliness	10. Noise/Air	11. City Scene	12. Day Scene	When 18, specify		Yes or No	If Yes in 17, Items 1-15	When 18, specify				
No / Unit	Rate 1-10															Items 1-18	Yes	Items 1-15	When 18, specify	When 18, specify	
1	3	3	4	3	5	5	1	3	2	1	5	6			Yes	1-14					
2	2	2	5	5	4	4	2	3	2	3	4	7	1,8,12		Yes	2,4,7,9					
3	5	5	5	5	5	4	4	5	6	6	8	9	12,15,16		No						
4	7	7	7	7	7	5	7	7	7	7	9	10	2,12,16		Yes	3-5,7,8					
5	4	6	7	7	8	6	1	4	2	3	5	9	1,2,7,12,16		Yes	1-14					
6	3	4	6	8	7	4	2	4	4	6	5	10	1,2,7-9,12,14-17		Yes	1-16,8,11-14					
7	4	4	9	9	9	9	4	7	6	6	8	10	2,3,12,16,17		No						
8	6	6	8	8	5	9	4	7	7	7	9	10	1,2,8,12,16,17		No						
9	9	9	9	9	9	10	5	7	7	7	9	10	1-17		Yes	2,3,10					
10	2	4	8	8	9	6	3	4	5	4	8	10	1,3-8,12,16		No						
11	5	3	10	10	7	10	5	10	3	5	10	10	1,2,5,7-12,16-18		Yes	4					
12	4	2	5	8	6	7	3	3	2	3	5	9	1,2,6-9,12,14-17		Yes	1-14					
13	8	8	8	8	8	8	2	5	5	5	9	10	8,10,11		No						
14	8	7	8	8	8	7	8	10	9	9	9	9	2,5-8,10,12,17		Yes	2,7,9					
15	5	8	7	8	8	7	8	10	9	9	8	10	1,2,5-9,11-14,16		No						
16	4	5	6	7	7	7	4	8	7	7	8	10	1-5,7-10,13-17		No						
17	5	7	8	8	7	7	8	8	9	10	9	8	2,7,8,12,16,17		Yes	1-14					
18	2	3	3	4	7	6	2	6	5	5	8	10	1-5,7-9,12,14-16		No						
19	2	2	3	9	8	7	2	5	6	5	7	9	1,2,6,8,12,15,16		No						
20	2	3	8	8	8	7	2	6	6	6	8	9	1,2,11,12		No						
21	6	6	7	7	8	8	3	6	6	6	9	10	1,2,8,12,15,16		Yes	1-14					
22	2	4	7	8	9	7	2	6	4	4	8	10	1,2,5-17		Yes	1-14					
23	2	2	7	8	7	3	2	4	3	3	3	9	10,12		No						
24	5	4	3	3	5	5	4	4	4	5	4	5	1,3,8,10,12		No						
25	5	7	10	10	10	10	7	10	7	7	7	10	8,10		Yes	13,14					
26	4	4	7	7	7	7	7	6	5	6	7	8	5,10-12,17		No						
27	7	6	10	7	7	9	10	7	7	7	5	5	1,2,10-12,18		Yes	2,3,4,15	None				
28	4	4	6	6	9	9	6	8	8	2	7	10	1,2,5,7-11,16		No						
29	9	8	5	5	5	4	5	6	6	5	6	10	1,15		No						
30	5	6	5	6	5	6	5	6	5	6	7	9	1,5,6,10-12,14		Yes	3-8,10					
31	7	4	7	6	6	8	7	8	5	6	7	10	2-3,13,14		Yes	3-5,8,11,12,14					
32	3	3	4	4	6	5	5	8	6	6	5	5			Yes						

Results of Questionnaire Survey to Tourist (No. 15-18)

33	7	7	6	6	7	8	5	5	6	7	7	5	5	7	9	7	9	1,3	No	---	---
34	4	5	6	6	7	8	4	4	5	5	5	4	4	6	9	6	9	1	No	---	---
35	4	5	7	7	8	8	5	5	6	7	7	2	2	3	10	3	10	1,8,12,15-17	Yes	---	1-5
36	2	4	7	8	9	6	1	6	6	5	5	6	6	6	10	6	10	1,2,8,9,12,14,15	Yes	---	2-10
37	5	8	8	8	8	9	7	7	8	8	8	8	8	8	8	8	8	1,4,8,10,13,14	No	---	---
38	3	4	7	8	9	7	2	2	6	6	6	5	5	7	10	7	10	1,2,7-9,11,12,15-17	Yes	---	1-14
39	2	3	8	7	3	4	5	5	4	5	4	4	4	4	7	7	7	1,2,12	Yes	---	1-7,9
40	6	9	9	10	9	10	7	7	8	6	6	7	7	8	7	7	7	4,7,9,15	Yes	---	1-14
41	6	8	10	9	10	10	8	8	8	7	7	7	7	7	7	7	7	4,7,8,11,13,15	Yes	---	2-7
42	3	4	8	8	7	4	5	5	3	2	4	4	4	6	7	7	7	1,2,12	Yes	---	1-14
43	3	4	8	8	9	6	5	4	4	5	5	5	5	7	9	9	9	1,2,5,8,11,12,14,16	No	---	---
44	4	5	8	8	2	9	6	5	3	7	3	3	3	9	9	9	9	1,3,10	No	---	---
45	6	3	7	8	7	7	3	3	8	5	6	6	6	6	10	10	10	1,3,5-7,10,12,16	Yes	---	2-4,7
46	9	7	7	7	7	9	3	3	6	1	9	9	10	10	10	10	10	1,10,17	No	---	---
47	5	7	9	8	8	7	6	6	6	6	6	7	7	6	9	9	9	1,5,8,10	Yes	---	4-10
48	10	3	8	8	6	10	2	2	6	8	8	8	8	2	10	10	10	10	Yes	---	2-14
49	7	5	9	9	9	10	8	8	9	6	3	3	3	8	10	10	10	1,6,8,10,14,16	Yes	---	3,5,10
50	5	6	9	8	7	8	2	2	5	5	1	1	1	3	9	9	9	1,10	No	---	---
51	2	3	6	8	7	6	8	8	8	6	6	4	4	3	8	8	8	1,10	No	---	---
52	4	4	7	7	3	7	6	6	8	5	5	6	6	5	7	7	7	3	Yes	---	2-4
53	3	8	6	6	6	7	3	3	6	5	6	6	6	3	9	9	9	10	Yes	---	15
54	9	9	9	10	10	10	5	5	9	9	9	9	9	9	10	10	10	4,8,10,12,17	Yes	---	1-11,14,15
55	3	2	7	7	7	7	2	2	9	6	6	2	2	6	6	6	6	1-4,12	Yes	---	2,5,7,10,15
56	5	6	8	8	8	9	4	4	6	6	6	7	7	8	10	10	10	2,6,9,12,15,16	Yes	---	1-14
57	4	3	6	8	6	4	2	2	2	3	4	4	4	6	10	10	10	1,2,8,9,12,15	Yes	---	1-14
58	1	3	7	8	8	9	4	4	7	4	4	5	5	8	7	7	7	2,5-9,12,14-16	Yes	---	2,7,10
59	1	4	6	8	8	10	5	5	7	4	6	6	6	7	8	8	8	1,2,8,9,12,15	Yes	---	2,7,10
60	4	3	3	8	6	4	2	2	3	4	4	4	4	5	10	10	10	1,2,4,5,7-9,11,12,14-17	Yes	---	1-14
61	6	7	8	8	10	10	1	1	8	6	6	5	5	5	10	10	10	1,2,4,5,7-10,12-14,16,17	No	---	---
62	7	7	8	9	10	10	1	1	8	6	6	5	5	8	10	10	10	1-17	No	---	---
63	2	2	6	7	6	5	2	2	3	3	3	5	5	5	9	9	9	1,2-4,5,7-12,14-17	Yes	---	1-14
64	3	4	8	8	8	7	2	2	6	5	4	4	4	7	10	10	10	1,2,8,12,14-16	Yes	---	1-14
65	1	2	9	10	9	10	4	4	5	4	4	2	2	7	10	10	10	12,14,15	Yes	---	2,6,7,9,10,13
66	6	7	9	10	8	8	2	2	6	6	7	7	7	8	9	9	9	1-9,12,14-16	Yes	---	2-4,7,10
67	3	5	8	9	6	7	2	2	6	4	4	6	6	7	10	10	10	1,2,5,8,10,12,14-16	Yes	---	1-14
68	1	3	9	9	4	10	3	3	5	3	4	4	4	7	10	10	10	2,5,10,12-15	Yes	---	2,6,7,9-13
69	2	4	8	9	4	10	2	2	4	3	3	3	3	8	10	10	10	1,2,5-10,12-15	Yes	---	1-13

Roads at the back of restaurants are dirty
The people are no longer so friendly
The duty waiter

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108	6	6	3	3	5	6	6	5	6	6	8	8	2-4,10,13	No	—	—
109	9	8	8	6	7	8	5	7	7	4	6	9	1,3,7,11,12,14,15	Yes	2-7,10,14	—
110	10	10	7	6	5	10	7	10	6	10	6	10	1-5,10,12,13,15	No	—	—
111	7	9	5	5	7	7	4	7	4	6	5	8	1-4,9-11,17	Yes	14	—
112	7	9	4	6	7	7	4	8	4	5	5	10	1-4,8,17	Yes	2,14,15	Environment improve is bad
113	5	7	8	7	9	8	7	9	8	4	8	9	1-3,7	No	—	—
114	7	9	6	5	5	9	3	8	8	4	4	10	1,3,12	Yes	11	—
115	9	10	8	9	9	9	9	9	9	8	10	10	1,3-4,12	Yes	5,7	—
116	8	10	8	8	8	10	7	7	7	7	8	10	11-13	Yes	3,4	—
117	9	10	8	8	5	8	8	8	8	8	9	10	1-2,5,7,9,13,14,16,17	Yes	3,5	—
118	9	9	8	5	3	5	4	7	5	7	6	8	1,11,12,13	No	—	—
119	9	10	9	10	5	9	5	7	9	8	9	10	3,11,12	Yes	3,10,11	—
120	8	8	8	7	8	8	8	8	8	3	10	10	3,12	Yes	3,11	—
121	8	8	7	7	5	8	5	6	7	4	7	8	1,3,12	No	—	—
122	9	8	7	10	5	10	10	10	10	3	8	10	1,3,7,12	No	—	—
123	8	8	7	7	5	8	5	7	7	4	8	9	1,3,7,12,17	No	—	—
124	7	7	7	6	6	7	6	10	6	4	5	10	1-3,10-12	Yes	3-5,14	—
125	6	9	7	9	10	10	10	10	8	8	9	10	11,12	Yes	3	—
126	6	4	2	5	3	1	1	7	3	3	2	8	3,11,12	Yes	3,14	—
127	8	8	7	3	6	7	7	7	7	5	6	7	1,3,4,7,8,11,12,14,15,17	Yes	4-7,8-10	—
128	8	8	8	8	8	8	7	8	8	7	7	8	1,3,4,12	No	—	—
129	8	7	8	8	8	8	8	8	8	5	8	9	1-4,7,8,10,17	Yes	1-7	—
130	10	8	5	5	2	10	2	8	7	2	7	10	1-17	No	—	—
131	7	8	8	8	8	8	8	8	8	8	8	8	1-5,7,14,15	Yes	1,7,8,10,14	—
132	4	5	3	4	3	4	4	3	4	4	3	4	1-3,12	Yes	3,4	—
133	8	8	8	8	6	7	6	8	7	6	8	8	11-13	Yes	3,4,14	—
134	8	8	8	8	8	8	7	8	8	8	8	8	11-13	No	—	—
135	8	8	8	8	8	8	7	8	8	3	7	9	1,3,11,12	Yes	14	—
136	8	10	8	8	8	8	5	7	7	1	4	10	1-3,11,12	Yes	14,12	—
137	5	5	6	9	7	9	2	7	7	7	4	9	1,3,5,7,8,11,14,17	Yes	3-5,10	—
138	4	7	8	5	8	5	1	8	5	8	4	10	4,5,7,8,11,13,16,17	Yes	2-14	—
139	5	5	9	7	5	8	5	10	9	7	6	10	1-4,7,8,16	Yes	3,6,9	—
140	8	8	8	6	5	7	9	8	7	8	3	8	1-5,7,10-13,14,15	Yes	14	—
141	8	8	7	7	7	8	7	8	7	3	7	10	1-4,7,12	Yes	7,14	—
142	6	10	8	3	4	8	3	7	7	6	5	8	1-3,6-8,10,11,14,16,17	Yes	2,7-10	—
143	8	8	8	8	5	8	5	8	8	8	8	8	1,3-4,13	No	—	—
144	8	8	8	5	8	8	4	8	4	5	5	9	7-9,11	Yes	14	—
145	8	9	8	8	8	5	5	9	8	8	8	10	1,2,9-11,13,15	No	—	—

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146	8	7	8	4	7	5	5	7	7	7	10	12-47-13,16,17	—	Yes	3-4,10	—
147	7	7	7	4	7	5	5	7	7	7	9	12-47-13,16,17	—	Yes	2-4,10	—
148	7	7	8	5	7	5	5	7	7	8	10	12-47-13,16,17	—	Yes	3-4,10	—
149	7	7	7	6	7	5	4	7	7	8	10	13-47-13,16,17	—	Yes	3-4,10	—
150	7	7	8	5	7	5	5	7	9	7	9	1-47-13,16,17	—	No	—	—
151	6	6	8	5	6	5	5	6	7	7	8	1-47-13,16,17	—	Yes	3-4,10	—
152	7	7	8	5	7	4	4	6	6	8	9	12-47-13,16,17	—	Yes	2-4,10	—
153	8	7	8	5	7	4	3	7	7	7	10	1-47-10,12,13,16,17	—	Yes	3-4,10	—
154	7	7	8	3	7	6	3	6	7	7	9	1-47-13,16,17	—	Yes	3-5,10	—
155	7	8	8	4	7	5	3	7	7	7	9	1-47-13,16,17	—	Yes	3-4,10	—
156	7	7	8	4	7	4	4	7	7	7	9	1-47-13,16,17	—	Yes	3-4,10	—
157	8	8	8	5	7	5	4	7	7	7	10	12-47-13,16,17	—	Yes	3-4,10	—
158	7	7	8	4	7	5	3	7	7	7	9	1-47-13,16,17	—	Yes	4,10	—
159	8	8	8	4	7	5	4	7	7	7	9	1-47-13,16,17	—	Yes	2-4,10	—
160	8	8	8	5	7	5	5	7	7	7	10	12-47-13,16,17	—	Yes	3-4,10	—
161	7	6	5	7	4	6	5	3	6	5	8	1-37-12,16,17	—	Yes	2-5,10	—
162	6	6	8	5	6	6	6	5	7	7	9	12-47-13,16,17	—	Yes	2-4,10	—
163	7	7	8	4	7	5	4	7	8	7	9	1-47-13,16,17	—	Yes	3,4,10	—
164	7	7	8	4	7	5	5	7	8	7	9	13-47-13,16,17	—	Yes	3,4,10	—
165	7	7	8	4	6	5	5	7	7	7	9	1-37-13,16,17	—	Yes	3,4,10	—
166	7	7	8	3	7	4	4	6	6	6	9	1-47-13,16,17	—	Yes	3-5,10	—
167	7	6	8	3	7	5	4	6	8	7	9	1-47-13,16,17	—	Yes	4,10	—
168	8	8	8	5	7	5	4	7	7	7	9	1-37-13,16,17	—	Yes	4,10	—
169	7	7	8	4	7	5	5	7	7	7	9	1-37-13,16,17	—	Yes	3,4,10	—
170	7	7	8	4	7	4	4	7	7	7	9	12-47-13,16,17	—	Yes	3,4,10	—
171	7	7	8	5	7	5	5	7	7	7	10	13,57-13,16,17	—	Yes	3,4,10	—
172	7	7	8	5	6	4	4	7	7	7	10	1-47-13,16,17	—	Yes	3-4,10	—
173	8	8	8	5	7	5	5	7	7	7	10	1-47-13,16,17	—	Yes	3-4,10	—
174	3	4	5	2	5	4	7	4	4	6	8	4-10-13,15	Damn on the bay	Yes	2-5,10	—
175	4	4	5	6	4	4	6	4	3	4	8	1,12	—	Yes	3-4,10	—
176	4	6	5	3	7	6	6	5	4	6	7	12	—	Yes	3,4	—
177	6	6	8	5	6	6	5	6	7	7	9	1-49,10,12,13,17	—	Yes	3-4,10	—
178	7	7	8	3	7	3	3	6	6	6	9	17-13,16,17	—	Yes	3-4,10	—
179	7	7	8	3	6	3	3	7	6	7	9	12-47-13,16,17	—	Yes	3-4,10	—
180	3	7	7	3	7	3	3	4	7	6	9	1-47-12,16,17	—	Yes	4,10	—
181	7	7	8	4	6	5	4	7	6	7	9	13-47-13,16,17	—	Yes	3-4,10	—
182	7	7	8	4	7	4	4	7	6	7	9	17-12,16-18	Damn on the bay	Yes	4,10	—
183	6	6	6	4	7	5	4	6	6	6	9	17-12,16-18	Damn on the bay	Yes	4,10	—

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184	8	8	7	7	8	4	7	5	5	7	7	7	7	9	9	1-3,7,8,10-12,17	—	Yes	3-4,10	—
185	7	7	7	7	8	4	7	5	5	7	6	7	7	9	9	1,7-12,17	—	Yes	3-4,10	—
186	7	7	7	7	8	4	7	5	5	6	6	7	7	9	9	1,7-12,16,17	—	Yes	3-4,10	—
187	7	7	7	7	8	3	7	5	5	7	6	6	6	9	9	Down in the bay 1,2,7-13,16-18	—	Yes	3-4,10	—
188	6	6	7	7	8	3	6	4	4	6	6	8	8	9	9	1,4,10-12	—	Yes	4,10	—
189	6	7	6	6	8	3	6	4	4	7	7	7	7	9	9	1,7,8,10,12	—	Yes	3,10	—
190	6	7	6	6	8	3	7	4	4	7	7	7	7	9	9	10,12	—	Yes	3,10	—
191	7	7	6	6	7	3	6	5	5	7	6	7	6	9	9	1,2,7-10,12,16,17	—	Yes	3,10	—
192	4	6	5	5	3	3	7	5	5	6	6	6	6	8	8	1,7,10,12	—	Yes	3,10	—
193	6	6	6	6	7	3	6	4	4	6	6	7	6	9	9	1,2,8,11,12,18	Down in the bay	Yes	4,10	—
194	4	4	6	6	6	3	7	4	6	6	7	8	10	10	10	1,8,10,12	—	Yes	2-5,10,11	—
195	5	5	5	5	6	3	7	6	5	5	5	6	6	6	6	8,10,12,17	—	Yes	2-4	—
196	3	3	3	3	3	4	4	2	6	4	3	3	3	8	8	16	—	Yes	3-5,7,9,10,14	—
197	8	7	4	5	7	9	9	5	7	8	8	9	9	9	9	1,6,7,10,12,13,15,18	Some of Ha Long bay when sun rise and sun set	Yes	2-4,7,9-14	—
198	5	7	6	7	5	4	4	4	6	5	7	7	7	9	9	1-6,8,10-13	—	Yes	5,9,13,14	—
199	3	3	7	7	5	6	6	6	6	6	6	8	9	9	9	1,12	—	Yes	3	—
200	4	2	4	4	4	6	5	3	5	4	5	4	5	6	6	10	—	Yes	2-5,7,10,11,14	—
201	2	4	4	4	5	2	5	4	4	5	7	5	5	5	5	1,8,11,13	—	Yes	3,4,6	—
202	3	8	10	9	6	10	6	6	7	10	9	9	9	9	9	2,3,5-8,10-15,17	—	Yes	3,7-9	—
203	1	8	5	5	3	10	8	8	8	5	7	3	3	3	3	1,7,8,12,12,17,18	Symbol of Ha Long bay is vacht	Yes	4,5,7,8,10,11,14	—
204	7	4	7	7	3	6	4	4	6	6	6	8	10	10	10	1,3,5-8,10,12,15	—	Yes	2,3,7,10	—
205	5	7	7	7	4	7	6	6	6	7	7	6	6	9	9	3,7,8,10,12,15-17	—	Yes	2-4,5,7,14	—
206	4	3	4	4	5	1	3	2	2	6	5	5	5	10	10	1-3,5-12,15-17	—	Yes	1,2,4,7-10,13,14	—
207	6	7	5	7	3	3	3	2	3	6	5	7	10	10	10	1-3,5-16	—	Yes	1,2,4,5,7-10,13,14	—
208	7	7	6	5	3	5	3	3	5	3	4	7	9	9	9	1,3,8,10,12,16	—	No	—	—
209	5	9	6	5	5	5	5	6	7	4	4	4	9	9	9	1,4,6-8,12,13,17	—	Yes	4,5	—
210	6	9	6	6	6	5	5	6	7	5	4	4	4	10	10	1,4,6-8,10,12,13,16,17	—	Yes	4	—
211	9	9	7	8	6	6	5	7	5	4	3	5	5	10	10	1,7,8,10,13	—	No	—	—
212	4	9	5	5	3	6	6	5	5	4	5	6	10	10	10	1,6-8,13	—	Yes	4,10	—
213	5	4	6	5	3	5	5	4	6	4	3	4	9	9	9	1	—	Yes	4,5,13	—
214	3	4	5	4	2	7	6	7	6	7	5	3	5	10	10	1,7,10,13	—	Yes	2,4-8,10,14	—
215	6	8	6	6	4	5	5	5	7	4	3	3	10	10	10	1,4,6-8,10,11,13	—	Yes	10,11	—
216	5	8	5	5	3	5	5	6	6	4	3	3	9	9	9	1,4,6-8,11-13	—	Yes	4,5	—
217	9	9	5	5	3	6	6	5	5	5	3	3	8	8	8	1,6-8,11-13,17	—	No	—	—
218	7	9	5	5	4	4	4	5	7	4	4	5	10	10	10	1,6,7,13	—	Yes	4,5,13	—
219	4	8	6	6	3	5	5	3	4	4	8	4	9	9	9	1,4,7,8,13,17	—	No	—	—
220	7	10	5	5	3	6	6	2	7	3	3	3	10	10	10	1,4,6-8,12,13,16	—	Yes	5,12,13	—

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221	2	2	3	7	4	4	2	6	2	3	3	3	9	1,15,16,17	Yes	5,10,12,13	--
222	5	7	4	5	5	5	6	7	4	3	4	4	10	1,6-8,13,17	Yes	4	--
223	7	10	5	5	4	6	2	6	3	2	4	8	8	1,4,7,8,12,13,16,17	Yes	5,8,10,12,13	--
224	6	9	5	5	5	5	6	7	4	4	4	9	9	1,4,6-8,17	Yes	4	--
225	8	8	7	8	4	9	5	6	7	7	5	10	10	1-4,7,10,11	Yes	2-5,10	--
226	7	8	6	8	4	8	5	5	6	6	6	9	9	1,3,5,7,10-13,15,17	Yes	3-5,10,12,14	--
227	7	8	7	6	4	8	5	6	7	6	7	9	9	1,3,4,7,10-12,17	Yes	2-5,10,12	--
228	7	8	7	6	5	7	6	8	6	5	7	9	9	1,3,5,10,12-15	Yes	4,5	--
229	7	8	8	7	5	7	6	8	7	5	7	9	9	1-5,7,10-15	No	--	--
230	8	9	7	4	8	7	8	7	6	7	5	9	9	1,3,5,10-15	No	--	--
231	8	9	6	7	3	9	4	9	7	6	8	9	9	1,3,5,10-15	Yes	4,5,14	--
232	7	8	7	8	2	7	6	8	7	7	6	9	9	1-5,10-15	No	--	--
233	8	7	6	5	3	9	7	8	3	4	8	9	9	1-3,5,10-12,14,15	Yes	4,5,14	--
234	7	8	6	9	4	7	6	8	5	6	4	9	9	1-5,10-12,14,15	Yes	4,5	--
235	9	8	7	7	2	7	7	9	6	6	7	10	10	1-5,10-17	Yes	3-5,11,14	--
236	9	8	7	7	5	8	7	8	7	6	5	9	9	1,2,10-14	No	--	--
237	7	8	8	7	5	7	5	6	7	6	8	9	9	1,2,4,7,10-12	Yes	3-5,10	--
238	7	7	8	8	4	8	4	4	7	7	8	10	10	8,10,12,15	No	--	--
239	8	8	8	8	7	8	5	7	7	7	9	10	10	1,8,12-17	No	--	--
240	5	5	4	4	2	4	4	4	5	6	7	7	7	10,12	No	--	--
241	8	8	8	8	2	6	6	6	7	7	9	10	10	1,10,12,16,17	Yes	2,4-7,10	--
242	3	4	4	5	2	5	4	5	7	7	8	9	9	1,7,8,12-15	Yes	2-5,10	--
243	7	7	7	8	3	7	5	5	5	5	7	10	10	1,8,12	No	--	--
244	5	5	7	7	2	7	3	7	7	7	9	10	10	5,8,10,12,16,17	No	--	--
245	7	7	7	7	4	8	4	6	6	6	8	9	9	3,8,10,12,15-17	No	--	--
246	8	8	9	9	7	9	4	6	7	7	9	10	10	3,5,8-11,15,16	Yes	2,4-7,10	--
247	2	4	5	6	2	5	4	6	6	6	7	9	9	1,5,8,10,12,16	No	--	--
248	2	5	6	6	1	5	2	7	6	5	8	10	10	1,2,7,8,10,12,15,16	Yes	2-4,7,10	--
249	5	7	8	8	4	6	7	8	7	7	8	9	9	1,1,12	Yes	3,10	--
250	5	5	6	4	4	8	2	5	5	5	5	9	9	1,12,15,17	Yes	4	--
251	3	5	6	3	1	6	3	5	7	7	7	9	9	1,2,6,8,11,12,15	Yes	2-4,7	--
252	4	4	6	6	3	6	2	7	7	6	8	10	10	1,3,8,10,12,15,16	Yes	2-4,7,15	Visiting Via Long Day is Very inconvenient
253	4	5	5	5	2	7	2	6	6	6	8	9	9	1,3,5-8,10-12,14-16	Yes	2-14	--
254	8	5	8	3	3	7	2	6	6	6	8	9	9	1,4,6-8,12,15,16	Yes	4,6,7,10	--
255	7	6	7	8	6	6	3	6	7	7	7	10	10	1,3,5,7-10,12,15	No	--	--
256	6	2	5	5	4	4	2	3	5	2	6	9	9	4,6-8,11-13	Yes	2,4,5,10,12,13	--
257	6	9	5	6	4	7	2	8	5	5	2	5	5	1,4,7,12,13	Yes	5,12	--
258	5	9	7	7	6	5	3	6	4	4	4	10	10	1,6-8,11,16,17	Yes	4,5	--

Results of Questionnaire Survey to Tourist (No. 15-18)

259	5	9	6	6	5	5	6	7	5	4	4	10	1,4,6-8,10,12,13,16,17	—	Yes	4	—
260	5	8	6	6	5	5	5	7	4	4	4	9	1,4,6,7,12,13,16,17	—	No	—	—
261	8	8	7	7	5	8	4	6	7	7	6	9	1,2,7,10-13,17	—	Yes	3,4,10	—
262	8	9	7	8	5	7	6	8	6	7	5	9	1,2,4,5,10-17	—	No	—	—
263	7	7	8	8	6	7	5	5	7	7	8	9	1,7-9,13,16,17	—	Yes	4,10	—
264	7	7	7	8	6	7	4	4	7	7	7	9	1,5,7-13,16,17	—	Yes	3,4,10	—
265	2	4	1	3	2	2	3	4	4	4	3	5	1,8	—	Yes	1-14	—
266	8	8	8	8	5	8	4	6	6	6	6	10	1,8,10,12,15-17	—	No	—	—
267	8	8	9	9	3	9	3	5	5	5	8	10	8,10,12	—	Yes	4-7,10	—
268	6	6	8	8	6	8	5	5	6	6	9	10	8,11,12,16	—	No	—	—
269	4	4	6	6	4	7	2	7	7	6	8	10	8,10,12-16	—	No	—	—
270	6	6	7	7	4	7	4	7	6	6	8	10	3,8,10,12,14-17	—	Yes	2-4,6	—
271	4	4	9	9	3	8	3	6	6	6	8	9	1,8,10,12-17	—	No	—	—
272	4	4	4	4	2	7	2	7	7	7	8	10	1,8,10,12-17	—	Yes	2-7,10	—
273	7	7	7	7	7	8	5	7	7	7	8	10	8,10,12	—	No	—	—
274	8	8	8	8	5	8	5	6	6	6	8	10	3-5,7,8,10,12,15-17	—	No	—	—
275	7	7	6	6	4	8	3	6	7	7	8	10	1,2,5,7-10,12,15,16	—	Yes	2-5,10	—
276	7	7	8	8	6	7	4	7	7	7	8	10	1,5-8,10,12,16	—	Yes	2,4,7	—
277	3	4	5	8	2	6	3	6	5	5	8	10	1,3,8,12,15,16	—	Yes	2-7,10	—
278	4	6	7	7	3	7	3	5	4	7	7	10	1,2,8,9,12-17	—	Yes	2,4-7	—
279	6	4	8	8	4	7	3	6	6	6	8	10	1,2,7,8,12	—	Yes	2-4,7	—
280	2	3	6	6	2	5	2	5	6	6	7	9	1,8,12,15,16	—	No	—	—
281	2	4	5	5	2	6	2	5	6	6	8	10	1,4-8,10,12-17	—	No	—	—
282	7	4	7	7	3	6	2	4	5	5	8	10	1,3,5,6,8,10,12,16	—	Yes	2-4,6,7	—
283	4	4	6	5	3	3	2	5	5	5	6	10	1-3,5-12,14-17	—	Yes	2,4,5,7,9,10,14	—
284	4	4	3	4	3	3	2	2	6	4	4	9	1,2,5,6,8-12,14-17	—	Yes	1-4,7-14	—
285	5	8	6	6	6	5	5	7	4	4	4	9	1,4,6-8,17	—	Yes	4,5	—
286	7	10	6	5	5	5	6	8	4	4	5	10	1,6-8,13,16	—	Yes	4,5	—
287	5	8	7	7	6	5	5	7	5	3	4	10	1,6-9,12,13,16,17	—	Yes	4,5,10	—
288	7	9	6	6	5	5	6	8	5	4	4	10	1,6-8,17	—	Yes	4,5	—
289	8	8	7	5	4	9	2	9	6	8	5	10	1-5,10-15	—	Yes	4,5,12,14	—
290	7	8	7	8	5	6	8	7	6	7	5	9	1-5,10-15	—	No	—	—

• I came here the first time in 1985 and every year minimum 1 time: I can tell every year it's better so don't stop. Thanks a lot for doing your best

Results of Questionnaire Survey to Residents (No.1~10)

APPENDIX II-2 Detail results of the survey on willingness of local residents to pay for Halong Bay Environment

Que. No.	1		2		3		4	5	6	7	8		9		10
	Title	Address	Family Members	Occupations	Income	Visit Frequency					Transport	Stay Duration	WTP for Image A	WTP for Image B	
Specification	Sub-district	City/Town/District	persons/ household	Items 1-2	When 8, specify	Items 1-6	Unless Item 5.1, Items 1-8	Unless Item 5.1, hours or days/visit	% / 100 VND 13,210	% / 100 VND 13,210	% / 100 VND 13,210	% / 100 VND 13,210	% / 100 VND 13,210	% / 100 VND 13,210	US\$ / year / household
No. / Unit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	Hung Dao	Dong Trieu	4	6	—	2	6	1 Day	0.005	0.23	0.005	0.23	0.005	0.23	0.23
2	Hung Dao	Dong Trieu	7	6	—	2	6	2 Days	0.005	0.38	0.005	0.38	0.005	0.38	0.38
3	Mao Khe	Dong Trieu	2	4	—	3	6	3 Days	0.01	0.61	0.01	0.61	0.01	0.61	0.61
4	Trang An	Dong Trieu	5	4	—	2	2	1 Day	0.005	0.34	0.005	0.34	0.005	0.34	0.34
5	Mao Khe	Dong Trieu	5	4	—	2	2	1 Day	0.005	0.34	0.005	0.34	0.005	0.34	0.34
6	Dong Trieu	Dong Trieu	5	1	—	2	3	1 Day	0.015	1.14	0.015	1.14	0.015	1.14	1.14
7	Doan Ket	Dong Trieu	5	1,3	—	2	6	1 Day	0.001	0.11	0.005	0.57	0.005	0.57	0.57
8	Vinh Trung	Dong Trieu	5	1	—	2	2	1 Day	0.005	0.38	0.005	0.38	0.005	0.38	0.38
9	Dong Trieu	Dong Trieu	5	3,7	—	2	2	1 Day	0.005	0.38	0.005	0.38	0.005	0.38	0.38
10	Hung Dao	Dong Trieu	6	6	—	2	6	5 Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.38
11	Mao Khe	Dong Trieu	4	1	—	2	6	1 Day	0.01	0.68	0.01	0.68	0.01	0.68	0.68
12	Dong Trieu	Dong Trieu	3	4	—	2	6	1 Day	0.005	0.21	0.01	0.42	0.01	0.42	0.42
13	Vinh Tuy	Dong Trieu	4	1	—	2	2	1 Day	0.005	0.30	0.005	0.30	0.005	0.30	0.30
14	Dong Trieu	Dong Trieu	4	4	—	2	2	1 Day	0.005	0.34	0.005	0.34	0.005	0.34	0.34
15	Hung Dao	Dong Trieu	3	4	—	2	6	2 Days	0.005	0.34	0.005	0.34	0.005	0.34	0.34
16	Dong Trieu	Dong Trieu	4	4	—	3	3	2 Days	0.01	0.53	0.01	0.53	0.01	0.53	0.53
17	Yen Tho	Dong Trieu	4	4	—	2	6	2 Days	0.01	0.53	0.01	0.53	0.01	0.53	0.53
18	Yen Tho	Dong Trieu	4	4	—	3	3	1 Day	0.01	0.53	0.01	0.53	0.01	0.53	0.53
19	Yen Tho	Dong Trieu	3	4	—	3	6	5 Days	0.01	0.45	0.01	0.45	0.01	0.45	0.45
20	Hung Dao	Dong Trieu	4	6	—	2	6	1 Day	0	0.00	0	0.00	0	0.00	0.00
21	Hung Dao	Dong Trieu	4	6	—	2	6	1 Day	0.01	0.53	0.01	0.53	0.01	0.53	0.53
22	Hung Dao	Dong Trieu	4	6	—	2	6	3 Hours	0.01	0.38	0.01	0.38	0.01	0.38	0.38

Results of Questionnaire Survey to Residents (No. 1~10)

23	Hung Dao	Dong Trieu	4	6	—	500,000	2	6	4	Hours	0.005	0.19	0.005	0.19	0.005	0.19
24	Khu 1	Dong Trieu	4	6	—	700,000	2	6	3	Days	0.005	0.27	0.005	0.27	0.005	0.27
25	Hung Dao	Dong Trieu	4	6	—	400,000	2	6	2	Hours	0.01	0.30	0.01	0.30	0.01	0.30
26	Mao Khe	Dong Trieu	4	1	—	1,000,000	2	6	2	Days	0.005	0.38	0.005	0.38	0.005	0.38
27	Dong Trieu	Dong Trieu	3	1	—	1,500,000	2	3	1	Day	0.015	1.70	0.015	1.70	0.015	1.70
28	Mao Khe	Dong Trieu	3	1	—	1,000,000	2	2	1	Day	0.01	0.76	0.01	0.76	0.01	0.76
29	Mao Khe	Dong Trieu	4	1	—	1,200,000	2	2	1	Day	0.01	0.91	0.01	0.91	0.01	0.91
30	Hong Phong	Dong Trieu	4	4	—	1,100,000	3	2	1	Day	0.005	0.42	0.005	0.42	0.005	0.42
31	Mao Khe	Dong Trieu	4	4	—	1,200,000	3	6	1	Day	0.005	0.45	0.005	0.45	0.01	0.91
32	Yen Tho	Dong Trieu	4	1,3	—	1,000,000	3	6	2	Days	0.01	0.76	0.01	0.76	0.01	0.76
33	Dong Trieu	Dong Trieu	4	3	—	1,000,000	2	2	1	Day	0.005	0.38	0.005	0.38	0.005	0.38
34	Mao Khe	Dong Trieu	4	3	—	1,200,000	3	3	1	Day	0.01	0.91	0.01	0.91	0.01	0.91
35	Cam Thuy	Cam Pha	4	1,2	—	1,400,000	5	3	2	Days	0.01	1.06	0.01	1.06	0.015	1.59
36	Cam Thinh	Cam Pha	2	6	—	1,500,000	2	6	1	Day	0.01	1.14	0.01	1.14	0.01	1.14
37	Cam Phu	Cam Pha	2	5	—	1,220,000	2	6	4	Hours	0.001	0.09	0.005	0.09	0.005	0.46
38	Cam Trung	Cam Pha	4	4,7	—	1,600,000	2	3	4	Hours	0.005	0.61	0.001	0.12	0.001	0.12
39	Cam Thinh	Cam Pha	4	2,4	—	1,000,000	2	6	1	Day	0.01	0.76	0.01	0.76	0.01	0.76
40	Cam Thanh	Cam Pha	5	1,4,7	—	1,500,000	3	6	1	Day	0.005	0.57	0.005	0.57	0.005	0.57
41	Cam Phu	Cam Pha	2	3	—	1,200,000	3	6	5	Hours	0.005	0.45	0	0.00	0.005	0.45
42	Cam Pha	Cam Pha	5	4	—	1,200,000	3	6	3	Hours	0.01	0.91	0.01	0.91	0.01	0.91
43	Cam Phu	Cam Pha	4	3	—	1,000,000	2	6	1	Day	0.01	0.76	0.01	0.76	0.01	0.76
44	Cam Dong	Cam Pha	4	3	—	2,000,000	3	3	1	Day	0.01	1.52	0.01	1.52	0.01	1.52
45	Cam Dong	Cam Pha	5	3	—	2,000,000	2	2	1	Day	0.001	0.15	0.001	0.15	0.001	0.15
46	Cam Binh	Cam Pha	4	4	—	600,000	3	6	1	Day	0.005	0.23	0.005	0.23	0.005	0.23
47	Cam Tay	Cam Pha	4	4,7	—	2,000,000	3	6	2	Hours	0.005	0.76	0.005	0.76	0.005	0.76
48	Cam Phu	Cam Pha	5	1	—	1,800,000	2	6	3	Days	0.01	1.36	0.005	0.68	0.005	0.68
49	Cam Binh	Cam Pha	3	4,6	—	600,000	2	6	1	Day	0.01	0.45	0.01	0.45	0.01	0.45
50	Cam Binh	Cam Pha	4	6	—	1,000,000	2	6	2	Days	0.005	0.38	0.005	0.38	0.005	0.38
51	Cam Phu	Cam Pha	4	1	—	1,000,000	2	6	1	Day	0.005	0.38	0.005	0.38	0.005	0.38
52	Cam Phu	Cam Pha	4	1,7	—	1,200,000	2	2	2	Days	0.01	0.91	0.01	0.91	0.005	0.45

Results of Questionnaire Survey to Residents (No. 1-10)

53	Cam Dong	Cam Pha	5	1,4.7	--	2,000,000	2	6	2	Days	0.005	0.76	0.005	0.76	0.005	0.76
54	Cam Son	Cam Pha	5	1	--	1,200,000	3	6	2	Days	0.01	0.91	0.015	1.36	0.015	1.36
55	Doan Ket	Cam Pha	3	1	--	600,000	5	6	2	Days	0.01	0.45	0.01	0.45	0.015	0.68
56	Cam Tay	Cam Pha	4	1	--	1,200,000	3	6	2	Days	0.005	0.45	0.01	0.91	0.01	0.91
57	Cam Binh	Cam Pha	4	1.2	--	1,000,000	3	6	2	Days	0.01	0.76	0.01	0.76	0.015	1.14
58	Cam Binh	Cam Pha	9	6	--	4,000,000	2	6	1	Day	0	0.00	0	0.00	0	0.00
59	Cam Phu	Cam Pha	4	1	--	1,500,000	3	6	2	Days	0.005	0.57	0.005	0.57	0.005	0.57
60	Cam Binh	Cam Pha	3	6	--	1,000,000	2	6	3	Hours	0.005	0.38	0.005	0.38	0	0.00
61	Cam Phu	Cam Pha	3	4,7	--	1,200,000	3	2	2	Days	0	0.00	0.005	0.45	0.01	0.91
62	Cam Phu	Cam Pha	1	4	--	480,000	2	6	2	Days	0.005	0.18	0.005	0.18	0.005	0.18
63	Cam Phu	Cam Pha	4	3	--	2,000,000	3	6	1	Day	0.01	1.52	0.01	1.52	0.01	1.52
64	Cam Binh	Cam Pha	4	1,3	--	3,000,000	3	3	1	Day	0.025	5.68	0.025	5.68	0.025	5.68
65	Cam Son	Cam Pha	3	1	--	1,700,000	2	6	1	Day	0.005	0.64	0.005	0.64	0	0.00
66	Cam Dong	Cam Pha	4	3	--	800,000	2	6	4	Hours	0.01	0.61	0.01	0.61	0.01	0.61
67	Hong Hai	Ha Long	4	3,7	--	800,000	3	4	5	Hours	0	0.00	0	0.00	0.01	0.61
68	Hong Ha	Ha Long	6	4	--	1,000,000	3	4	4	Hours	0.01	0.76	0.01	0.76	0.01	0.76
69	Hong Hai	Ha Long	7	4,6	--	700,000	3	4	6	Hours	0.005	0.27	0.005	0.27	0.005	0.27
70	Bai Chay	Ha Long	4	4	--	300,000	3	4	5	Hours	0.01	0.23	0.01	0.23	0.01	0.23
71	Bai Chay	Ha Long	4	4	--	800,000	3	4	4	Hours	0.01	0.61	0.01	0.61	0.01	0.61
72	Hong Hai	Ha Long	4	3,4	--	1,500,000	3	4	4	Hours	0.01	1.14	0.01	1.14	0.01	1.14
73	Hong Hai	Ha Long	3	4	--	900,000	3	4	5	Hours	0.01	0.68	0.01	0.68	0.01	0.68
74	Gieng Dai	Ha Long	4	4	--	900,000	3	3	4	Hours	0.001	0.07	0.001	0.07	0.001	0.07
75	Hong Hai	Ha Long	4	4,6	--	1,200,000	2	5	5	Hours	0.001	0.09	0.001	0.09	0.001	0.09
76	Hong Ha	Ha Long	5	4,5,7	--	2,000,000	3	3	4	Hours	0	0.00	0	0.00	0	0.00
77	Hong Ha	Ha Long	4	4,6	--	700,000	3	3	4	Hours	0	0.00	0	0.00	0	0.00
78	Hong Hai	Ha Long	4	4,6	--	1,200,000	2	3	1	Day	0.001	0.09	0.001	0.09	0.001	0.09
79	Yet Kieu	Ha Long	6	4,5	--	1,400,000	3	3	4	Hours	0.01	1.06	0.01	1.06	0.01	1.06
80	Ha Khau	Ha Long	6	4,6	--	1,200,000	3	3	5	Hours	0.001	0.09	0.001	0.09	0.001	0.09
81	Bach Dang	Ha Long	6	3,6	--	1,200,000	3	4	5	Hours	0.005	0.45	0.005	0.45	0.005	0.45
82	Bach Dang	Ha Long	2	8	--	800,000	2	4	4	Hours	0.001	0.06	0.001	0.06	0.001	0.06

Results of Questionnaire Survey to Residents (No.1~10)

83	Hong Ha	Ha Long	3	1	—	700,000	2	6	4	Hours	0.005	0.27	0.005	0.27	0.005	0.27	0.005	0.27
84	Hong Ha	Ha Long	4	1	—	1,000,000	3	4	6	Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
85	Hong Ha	Ha Long	4	1	—	1,000,000	3	6	4	Hours	0	0.00	0	0.00	0	0.00	0	0.00
86	Hong Ha	Ha Long	4	1	—	1,000,000	3	3	4	Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
87	Bai Chay	Ha Long	5	3,4	—	1,200,000	2	6	4	Hours	0.005	0.45	0.005	0.45	0.005	0.45	0.005	0.45
88	Hong Ha	Ha Long	4	1	—	800,000	2	4	6	Hours	0.005	0.30	0.005	0.30	0.005	0.30	0.005	0.30
89	Hong Ha	Ha Long	2	1	—	500,000	3	4	6	Hours	0.005	0.19	0.005	0.19	0.005	0.19	0.005	0.19
90	Hong Ha	Ha Long	3	1	—	600,000	3	5	4	Hours	0.005	0.23	0.005	0.23	0.005	0.23	0.005	0.23
91	Hong Ha	Ha Long	5	1	—	800,000	3	5	6	Hours	0.005	0.30	0.005	0.30	0.005	0.30	0.005	0.30
92	Hong Ha	Ha Long	4	1	—	600,000	3	5	2	Hours	0.005	0.23	0.005	0.23	0.005	0.23	0.005	0.23
93	Hong Ha	Ha Long	3	1	—	500,000	3	6	4	Hours	0.005	0.19	0.005	0.19	0.005	0.19	0.005	0.19
94	Ha Khau	Ha Long	3	3	—	800,000	2	6	4	Hours	0.005	0.30	0.005	0.30	0.005	0.30	0.005	0.30
95	Ha Khau	Ha Long	4	3,6,8	**	1,000,000	2	3	4	Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
96	Bach Dang	Ha Long	5	2,3	—	1,500,000	3	4	4	Hours	0.005	0.57	0.005	0.57	0.005	0.57	0.005	0.57
97	Hon Gai	Ha Long	4	1,3	—	1,000,000	3	4	4	Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
98	Bach Dang	Ha Long	5	3,4	—	700,000	2	4	5	Hours	0.01	0.53	0.01	0.53	0.01	0.53	0.01	0.53
99	Bach Dang	Ha Long	2	3	—	1,000,000	2	4	1	Day	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
100	Hong Ha	Ha Long	4	3,4	—	1,500,000	2	3	5	Hours	0.005	0.57	0.005	0.57	0.005	0.57	0.005	0.57
101	Ha Tu	Ha Long	3	1,3	—	600,000	1	—	—	—	0	0.00	0	0.00	0	0.00	0	0.00
102	Hong Ha	Ha Long	3	2,3	—	1,000,000	3	6	4	Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
103	Bai Chay	Ha Long	4	3,4	—	1,000,000	3	6	4	Hours	0.005	0.38	0.005	0.38	0.005	0.38	0.005	0.38
104	Minh Thanh	Yen Hung	3	3,4	—	1,000,000	2	3	4	Hours	0.001	0.08	0.001	0.08	0.001	0.08	0.001	0.08
105	Minh Thanh	Yen Hung	3	4	—	1,000,000	2	2	8	Hours	0.001	0.08	0.001	0.08	0.001	0.08	0.001	0.08
106	Quang Yen	Yen Hung	2	6	—	1,200,000	2	2	4	Hours	0	0.00	0.001	0.09	0.001	0.09	0.005	0.45
107	Minh Thanh	Yen Hung	4	3	—	400,000	1	—	—	—	0.001	0.03	0.005	0.15	0.005	0.15	0.005	0.15
108	Minh Thanh	Yen Hung	4	5	—	1,800,000	1	—	—	—	0.005	0.68	0.005	0.68	0.005	0.68	0.005	0.68
109	Dong Mai	Yen Hung	5	6	—	500,000	1	—	—	—	0.005	0.19	0.005	0.19	0.005	0.19	0.005	0.19
110	Phong Coc	Yen Hung	5	5,6	—	700,000	1	—	—	—	0.001	0.05	0.005	0.27	0.005	0.27	0.005	0.27
111	Hiep Hoa	Yen Hung	4	6	—	400,000	1	—	—	—	0.005	0.15	0.005	0.15	0.005	0.15	0.005	0.15
112	Minh Thanh	Yen Hung	3	6	—	500,000	2	2	4	Hours	0.001	0.04	0.001	0.04	0.001	0.04	0.001	0.04

Results of Questionnaire Survey to Residents (No. 1-10)

113	Ha An	Yen Hung	3	6	—	750,000	1	—	—	—	0.001	0.06	0.005	0.28	0.005	0.28	0.005	0.28
114	Phong Hai	Yen Hung	4	3	—	600,000	2	2	4	Hours	0.005	0.23	0.005	0.23	0.005	0.23	0.005	0.23
115	Cong Hoa	Yen Hung	3	3	—	500,000	1	—	—	—	0.005	0.19	0.005	0.19	0.005	0.19	0.005	0.19
116	Cong Hoa	Yen Hung	4	5	—	500,000	2	2	4	Hours	0.005	0.19	0.005	0.19	0.005	0.19	0.005	0.19
117	Ha An	Yen Hung	7	3	—	700,000	2	2	4	Hours	0.005	0.27	0.005	0.27	0.005	0.27	0	0.00
118	Tien An	Yen Hung	5	3	—	650,000	2	2	4	Hours	0.005	0.25	0.005	0.25	0.005	0.25	0.005	0.25
119	Dong Mai	Yen Hung	5	4.6	—	600,000	2	2	4	Hours	0	0.00	0.005	0.23	0.005	0.23	0.005	0.23
120	Minh Thanh	Yen Hung	4	3.6	—	700,000	3	3	6	Hours	0.01	0.53	0.005	0.27	0.015	0.30	0.015	0.30
121	Dong Mai	Yen Hung	5	3.4.6	—	850,000	2	3	1	Day	0.005	0.32	0.005	0.32	0.015	0.97	0.015	0.97
122	Nam Hoa	Yen Hung	4	3	—	416,000	2	2	4	Hours	0.005	0.16	0.005	0.16	0.005	0.16	0.005	0.16
123	Phong Hai	Yen Hung	4	6	—	750,000	2	2	4	Hours	0.005	0.28	0.005	0.28	0.005	0.28	0.005	0.28
124	Ha An	Yen Hung	6	3.6	—	580,000	2	2	4	Hours	0.005	0.22	0.005	0.22	0.005	0.22	0.005	0.22
125	Dong Mai	Yen Hung	4	3.8	Retired	500,000	2	2	4	Hours	0.005	0.19	0.005	0.19	0.005	0.19	0.005	0.19
126	Minh Thanh	Yen Hung	4	6	—	800,000	2	2	2	Hours	0.001	0.06	0.001	0.06	0.001	0.06	0.001	0.06
127	Minh Thanh	Yen Hung	1	6	—	350,000	1	—	—	—	0.001	0.03	0.001	0.03	0.001	0.03	0.001	0.03
128	Minh Thanh	Yen Hung	5	4.6	—	1,000,000	2	3	6	Hours	0.001	0.08	0.001	0.08	0.001	0.08	0.001	0.08
129	Dong Mai	Yen Hung	3	4	—	1,000,000	2	2	4	Hours	0.001	0.08	0.001	0.08	0.001	0.08	0.001	0.08
130	Minh Thanh	Yen Hung	4	8	Driver	835,000	2	3	3	Hours	0.001	0.06	0.001	0.06	0.001	0.06	0.001	0.06
131	Trung Vuong	Uong Bi	5	4.6,8	Electrician	2,000,000	3	3	1	Day	0.005	0.76	0.005	0.76	0.005	0.76	0.005	0.76
132	Thanh Son	Uong Bi	5	4.6	—	1,000,000	3	3	5	Hours	0.001	0.08	0.001	0.08	0.001	0.08	0.001	0.08
133	Phuong Dong	Uong Bi	8	1.6,8	Constructor	2,000,000	2	2	1	Day	0	0.00	0	0.00	0.005	0.76	0.005	0.76
134	Thanh Son	Uong Bi	4	1.6	—	1,000,000	2	3	5	Hours	0	0.00	0	0.00	0	0.00	0	0.00
135	Quang Trung	Uong Bi	5	6.7	—	750,000	2	3	1	Day	0.001	0.06	0.001	0.06	0.001	0.06	0.001	0.06
136	Phuong Dong	Uong Bi	4	1.6	—	2,000,000	3	2	2	Days	0.005	0.76	0.005	0.76	0.005	0.76	0.005	0.76
137	Phuong Dong	Uong Bi	4	6	—	600,000	2	3	1	Day	0.005	0.23	0.005	0.23	0.005	0.23	0.005	0.23
138	Phuong Dong	Uong Bi	3	6	—	300,000	2	2	4	Hours	0.001	0.02	0.01	0.23	0.01	0.23	0.01	0.23
139	Thanh Son	Uong Bi	6	3.6	—	600,000	2	3	6	Hours	0.005	0.23	0.005	0.23	0.005	0.23	0.005	0.23
140	Quang Trung	Uong Bi	3	6	—	1,000,000	3	2	1	Day	0.001	0.08	0.001	0.08	0.001	0.08	0.001	0.08
141	Thanh Son	Uong Bi	5	3	—	850,000	2	3	6	Hours	0	0.00	0	0.00	0	0.00	0	0.00
142	Quang Trung	Uong Bi	6	3.5.6	—	1,300,000	3	3	6	Hours	0.01	0.98	0.01	0.98	0.01	0.98	0.01	0.98

Results of Questionnaire Survey to Residents (No.1~10)

143	Thanh Son	Uong Bi	4	3	—	400,000	2	2	1	Day	0	0.00	0	0.00	0	0.00
144	Phuong Dong	Uong Bi	6	1.3	—	900,000	3	2	1	Day	0.001	0.07	0.001	0.07	0.001	0.07
145	Quang Trung	Uong Bi	4	4.7	—	600,000	5	2	5	Hours	0.001	0.05	0.001	0.05	0.001	0.05
146	Thanh Son	Uong Bi	5	4.7	—	1,100,000	3	3	6	Hours	0	0.00	0	0.00	0	0.00
147	Thanh Son	Uong Bi	5	3.7	—	1,000,000	5	3	6	Hours	0.001	0.08	0.001	0.08	0.001	0.08
148	Thanh Son	Uong Bi	4	4.7	—	800,000	5	2	6	Hours	0.001	0.06	0.001	0.06	0.001	0.06
149	Nam Khe	Uong Bi	5	4.7	—	800,000	2	2	4	Hours	0	0.00	0	0.00	0	0.00
150	Quang Trung	Uong Bi	3	4	—	1,000,000	2	2	1	Day	0	0.00	0	0.00	0.001	0.08
151	Quang Ha	Quang Ha	5	6	—	850,000	2	6	7	Hours	0.005	0.32	0.005	0.32	0.005	0.32
152	Phu Hai	Quang Ha	7	4.5,6	—	2,500,000	3	4	3	Days	0.01	1.89	0.01	1.89	0.01	1.89
153	Quang Dien	Quang Ha	9	6,8	—	1,000,000	2	6	3	Days	0.005	0.38	0.005	0.38	0.005	0.38
154	Quang Ha	Quang Ha	5	3	—	900,000	2	6	2	Days	0.001	0.07	0.001	0.07	0.001	0.07
155	Quang Ha	Quang Ha	4	4	—	800,000	2	6	2	Days	0.005	0.30	0.005	0.30	0.005	0.30
156	Quang Ha	Quang Ha	6	8	Mechanic	2,000,000	3	6	4	Days	0.005	0.76	0.005	0.76	0.005	0.76
157	Quang Ha	Quang Ha	5	3.4	—	2,000,000	2	6	4	Days	0.005	0.76	0.005	0.76	0.005	0.76
158	Quang Ha	Quang Ha	6	7.8	Mechanic	1,500,000	3	6	2	Days	0.005	0.57	0.005	0.57	0.005	0.57
159	Quang Ha	Quang Ha	3	6,7	—	1,000,000	2	6	4	Days	0.005	0.38	0.001	0.08	0.005	0.38
160	Quang Ha	Quang Ha	3	6	—	950,000	2	6	5	Days	0.01	0.72	0.005	0.36	0.005	0.36
161	Quang Ha	Quang Ha	4	6	—	800,000	2	6	4	Days	0.005	0.30	0.005	0.30	0.005	0.30
162	Phu Hai	Quang Ha	4	5	—	1,200,000	2	4	5	Days	0.005	0.45	0.01	0.91	0.01	0.91
163	Quang Trung	Quang Ha	4	6	—	450,000	2	6	2	Days	0.01	0.34	0.01	0.34	0.01	0.34
164	Quang Trung	Quang Ha	4	6	—	500,000	2	6	2	Days	0.01	0.38	0.01	0.38	0.01	0.38
165	Quang Ha	Quang Ha	4	4	—	1,000,000	3	6	2	Days	0.01	0.76	0.01	0.76	0.01	0.76
166	Phu Hai	Quang Ha	5	5	—	1,300,000	2	4	3	Days	0.01	0.98	0.01	0.98	0.01	0.98
167	Viet Hung	Hoanh Bo	1	6	—	100,000	1	—	—	—	0.001	0.01	0.001	0.01	0.005	0.04
168	Troi	Hoanh Bo	3	6	—	1,200,000	2	2	8	Hours	0	0.00	0	0.00	0	0.00
169	Troi	Hoanh Bo	4	4.7	—	1,000,000	3	3	8	Hours	0	0.00	0.001	0.08	0	0.00
170	Dai Yen	Hoanh Bo	3	4.6	—	1,000,000	4	6	6	Hours	0.001	0.08	0.001	0.08	0.005	0.38
171	Viet Hung	Hoanh Bo	3	4	—	1,000,000	3	3	4	Hours	0	0.00	0	0.00	0.005	0.38
172	Viet Hung	Hoanh Bo	4	6	—	650,000	2	3	4	Hours	0	0.00	0	0.00	0.001	0.05

Results of Questionnaire Survey to Residents (No.1-10)

173	Son Duong	Hoanh Bo	9	6	—	—	4,100,000	2	2	2	4	Hours	0.001	0.31	0.001	0.31	0.001	0.31
174	Son Duong	Hoanh Bo	6	6	—	—	1,000,000	2	2	2	5	Hours	0	0.00	0.001	0.08	0.001	0.08
175	Son Duong	Hoanh Bo	6	6	—	—	1,800,000	2	2	2	4	Hours	0.005	0.68	0.005	0.68	0.005	0.68
176	Troi	Hoanh Bo	3	3	—	—	650,000	1	—	—	—	—	0	0.00	0	0.00	0.005	0.25
177	Troi	Hoanh Bo	3	1,3	—	—	1,200,000	2	2	2	4	Hours	0.005	0.45	0.005	0.45	0.005	0.45
178	Troi	Hoanh Bo	5	3,6,7	—	—	1,200,000	3	3	3	8	Hours	0	0.00	0.001	0.09	0	0.00
179	Hoa Lac	Mong Cai	3	4	—	—	900,000	2	6	6	3	Days	0.001	0.07	0.001	0.07	0.001	0.07
180	Ninh Duong	Mong Cai	4	6	—	—	1,200,000	2	6	6	4	Days	0.001	0.09	0.001	0.09	0.001	0.09
181	Mong Cai	Mong Cai	3	8	Electrician	—	1,200,000	3	6	6	2	Days	0.005	0.45	0.005	0.45	0.005	0.45
182	Mong Cai	Mong Cai	4	8	Electrician	—	1,500,000	2	6	6	2	Days	0.001	0.11	0.001	0.11	0.001	0.11
183	Ninh Duong	Mong Cai	4	3,6	—	—	1,000,000	2	6	6	2	Days	0.005	0.38	0.005	0.38	0.005	0.38
184	Hoa Lac	Mong Cai	4	3	—	—	600,000	2	6	6	2	Days	0.001	0.05	0.001	0.05	0.001	0.05
185	Mong Cai	Mong Cai	5	8	Electrician	—	1,200,000	3	6	6	3	Days	0.001	0.09	0	0.00	0	0.00
186	Hoa Lac	Mong Cai	5	3,4	—	—	2,000,000	3	6	6	3	Days	0.001	0.15	0.001	0.15	0.001	0.15
187	Tran Phu	Mong Cai	4	4	—	—	1,000,000	3	6	6	2	Days	0.001	0.08	0.001	0.08	0.001	0.08
188	Hoa Phuong	Mong Cai	6	3	—	—	2,500,000	3	2	2	3	Days	0.005	0.95	0.005	0.95	0.005	0.95
189	Mong Cai	Mong Cai	3	3	—	—	2,000,000	3	6	6	2	Days	0.005	0.76	0.005	0.76	0.005	0.76
190	Ninh Duong	Mong Cai	4	6	—	—	1,200,000	2	6	6	3	Days	0.005	0.45	0	0.00	0	0.00
191	Tien Yen	Tien Yen	3	4	—	—	700,000	2	3	3	1	Day	0	0.00	0.001	0.05	0.001	0.05
192	Dong Tien	Tien Yen	3	4	—	—	1,000,000	3	2	2	2	Days	0	0.00	0	0.00	0	0.00
193	Tam Thinh	Tien Yen	4	3,4	—	—	1,800,000	2	1	1	1	Day	0	0.00	0	0.00	0	0.00
194	Tien Yen	Tien Yen	3	6	—	—	800,000	2	2	2	1	Day	0	0.00	0.001	0.06	0.005	0.30
195	Tien Yen	Tien Yen	3	4	—	—	700,000	2	2	2	1	Day	0	0.00	0	0.00	0.001	0.05
196	Hoa Binh	Tien Yen	7	6	—	—	400,000	1	—	—	—	—	0	0.00	0	0.00	0.001	0.03
197	Dong Tien	Tien Yen	3	6	—	—	300,000	1	—	—	—	—	0	0.00	0	0.00	0.001	0.02
198	Quang Trung	Tien Yen	4	4	—	—	800,000	1	—	—	—	—	0	0.00	0.001	0.06	0.005	0.30
199	Cai Rong	Van Don	4	4,7	—	—	800,000	2	3	3	1	Day	0.001	0.06	0.005	0.30	0.01	0.61
200	Cai Rong	Van Don	4	4	—	—	1,000,000	2	2	2	2	Days	0.001	0.08	0	0.00	0.005	0.38
201	Cai Rong	Van Don	4	4	—	—	1,000,000	2	3	3	3	Days	0.005	0.38	0.001	0.08	0.015	1.14
202	Cai Rong	Van Don	5	4,5,6	—	—	800,000	1	—	—	—	—	0.001	0.06	0.001	0.06	0	0.00

Results of Questionnaire Survey to Residents (No. 1-10)

203	Cai Rong	Van Don	4	4	—	1,000,000	1	—	—	—	0	0.00	0.001	0.08	0.005	0.38
204	Cai Rong	Van Don	2	3	—	3,000,000	4	2	1	Day	0.005	1.14	0	0.00	0.005	1.14
205	Cai Rong	Van Don	4	4	—	900,000	2	3	2	Days	0.001	0.07	0	0.00	0.001	0.07
206	Binh Quyen	Binh Lieu	4	4	—	1,000,000	2	6	1	Day	0	0.00	0.001	0.08	0.005	0.38
207	Tinh Huc	Binh Lieu	6	6	—	350,000	1	—	—	—	0	0.00	0	0.00	0.001	0.03
208	Binh Quyen	Binh Lieu	3	4	—	800,000	2	2	2	Days	0	0.00	0.001	0.06	0.005	0.30
209	Tinh Huc	Binh Lieu	6	6	—	400,000	1	—	—	—	0	0.00	0	0.00	0.001	0.03
210	Ba Che	Ba Che	5	4,6	—	1,000,000	2	6	3	Days	0	0.00	0	0.00	0	0.00
211	Ba Che	Ba Che	5	6	—	800,000	2	2	1	Day	0	0.00	0	0.00	0.001	0.06
212	Ba Che	Ba Che	4	3	—	2,000,000	2	1	1	Day	0	0.00	0	0.00	0.001	0.15
213	Co To	Co To	5	1,7	—	1,000,000	2	2	2	Days	0.001	0.08	0.005	0.38	0.015	1.14
214	Co To	Co To	3	4,6	—	800,000	1	—	—	—	0.005	0.30	0	0.00	0.001	0.06
215	Co To	Co To	6	5	—	2,000,000	1	—	—	—	0.005	0.76	0.005	0.76	0.001	0.15

* Pearl-oyster rearer

** Beer factory worker

Results of Questionnaire Survey to Residents (No. 11 and 12)

APPENDIX II-2 Detail results of the survey on willingness of local residents to pay for Halong Bay Environment

Que. No. Title	11											12									
	Good Landscape											Favorite Points									
	Landscape A		Landscape B		Landscape C		Landscape D		Landscape E		Landscape A		Landscape B		Landscape C		Landscape D		Landscape E		
No. / Unit	Name	Location	Name	Location	Name	Location	Name	Location	Name	Location	Items 1-23	If Item 23 specify	Items 1-23	If Item 23 specify	Items 1-23	If Item 23 specify	Items 1-23	If Item 23 specify	Items 1-23	If Item 23 specify	
1	Suoi Mo	Uong Bi									12,21,22										
2	Yen Tu	Uong Bi	Tri Co	Mong Cai							1,16,22		7								
3	Con Son	Hai Duong	Mong Cai	Mong Cai							1,2,21,22		6,7,17								
4	Tri Co	Mong Cai									6,7,17,20										
5																					
6	Tri Co	Mong Cai	Yen Tu	Uong Bi							1,7,22		20,23	Historical Relic							
7	Yen Tu	Uong Bi									1,2,7,18,23	Historical Relic									
8	Yen Tu	Uong Bi									1,2,7,18,23	Historical Relic									
9	Yen Tu	Uong Bi	Tri Co	Mong Cai							2,20,23	Historical Relic	7,17								
10	Yen Tu	Uong Bi	Quyinh pagoda	Dong Thieu							2,23	Historical Relic	2,5,23	Historical Relic							
11	Yen Tu	Uong Bi	Cua Ong	Cam Pha	Tri Co	Mong Cai					1,21-23	Historical Relic	21-23	Historical Relic	6,7,23						
12	Yen Tu	Uong Bi									1,16,21										
13	Yen Tu	Uong Bi	Tri Co	Mong Cai							1,18,21-23	Historical Relic	6,7,22								
14	Con Son	Hai Duong	Yen Truong lake	Uong Bi							2,21,22		5,22								
15	Yen Tu	Uong Bi									2,18,21,23	Dong pagoda									
16	Thanh nam beach	Cam Pha	Bai Tu Long beach	Cam Pha	Tri Co	Mong Cai					7		7		17,23	Tri Co pagoda					
17	Yen Tu	Uong Bi	Con Son	Hai Duong	Tri Co	Mong Cai					1,2,21-23	Historical Relic	1,2,23	Historical Relic	6,7,22						
18	Yen Tu	Uong Bi	Tri Co	Mong Cai	Cua Ong temple	Cam Pha					1,2,18-23	Historical Relic	6,7,17,23	Historical Relic	2,21,23	Historical Relic					
19	Con Son	Hai Duong	Yen Tu	Uong Bi							1,2,21,23	Historical Relic	1,2,21-23	Historical Relic							
20																					
21	An Sinh pagoda	Dong Thieu									5,21,23	Historical Relic									
22	Quyinh pagoda	Dong Thieu									1,21,23	Historical Relic									
23																					
24	Yen Tu	Uong Bi	Cua Ong temple	Cam Pha	Quyinh pagoda	Dong Thieu					1,2,21-23	Historical Relic	6,19,21,23	Historical Relic	18,23	Bell tower					

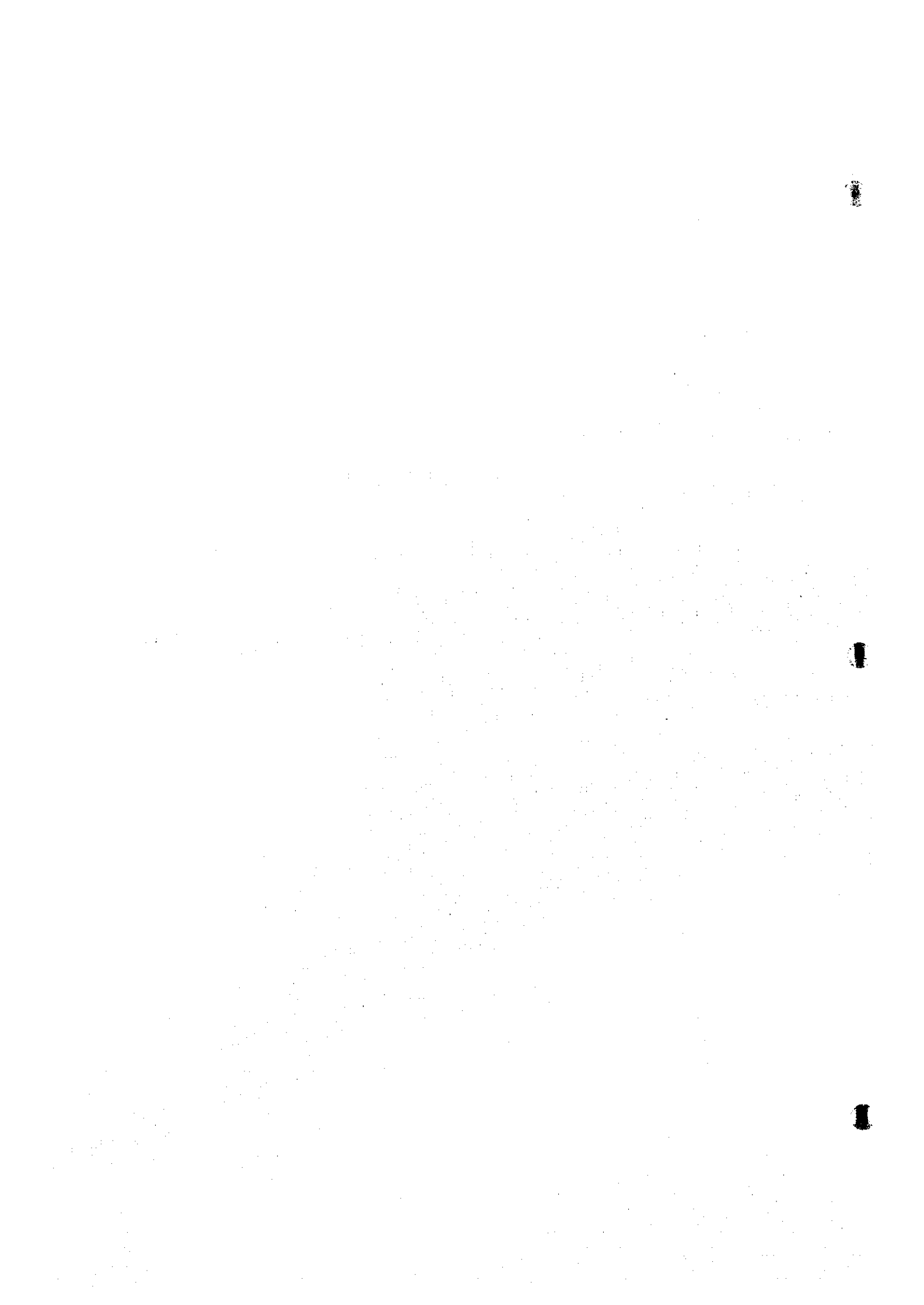
Results of Questionnaire Survey to Residents (No.11 and 12)

25	Yen Tu	Uong Bi	Quynh ponds	Dong Trieu	--	--	--	--	--	--	16,18,21,23	Historical Relic	--	--	--	--
26	Yen Tu	Uong Bi	--	--	--	--	--	--	--	--	1,16,22,23	Historical Relic	--	--	--	--
27	Yen Tu	Uong Bi	Quynh ponds	Dong Trieu	Yen Phu ponds	Hai Duong	Cua Phu ponds	Dong Trieu temple	Nam Phuong temple	Dong Tru	1,2,21,23	Historical Relic	18,23	Tran Hong Dao Stone	21,22,23	18
28	Con Son	Hai Duong	Yen Tu	Uong Bi	--	--	--	--	--	--	1,16,22,23	Historical Relic	12,8,16,22,23	--	--	--
29	Yen Tu	Uong Bi	Tri Co	Mong Cai	--	--	--	--	--	--	8,22	Historical Relic	1,21,23	--	--	--
30	Tri Co	Mong Cai	Yen Tu	Uong Bi	--	--	--	--	--	--	6,7	Historical Relic	--	--	--	--
31	Yen Tu	Uong Bi	--	--	--	--	--	--	--	--	1,2,8,21,23	Historical Relic	--	--	--	--
32	Yen Tu	Uong Bi	Tri Co	Mong Cai	Con Son	Hai Duong	--	--	--	--	1,2,21-23	Historical Relic	8,9,22	1,2,21,23	Historical Relic	--
33	Tri Co	Mong Cai	Quynh ponds	Dong Trieu	--	--	--	--	--	--	1,7,8	Historical Relic	3,12,19,23	Bell tower	--	--
34	Yen Tu	Uong Bi	Con Son	Hai Duong	--	--	--	--	--	--	1,2,16,21-23	Historical Relic	2,16,21-23	Historical Relic	--	--
35	The Vang island	Cam Pha	--	--	--	--	--	--	--	--	2-4,6-7,16,18	--	--	--	--	--
36	Tri Co	Mong Cai	Reu island	Cam Pha	Cua Ong temple	Cam Pha	Hai stone	Cam Pha	--	--	7,20,22	--	6,7,12,20,22	Historical Relic	21,23	1,22
37	Reu island	Cam Pha	The Vang island	Cam Pha	Cua Ong temple	Cam Pha	--	--	--	--	8,12	--	11,22	19,21	--	--
38	The Vang island	Cam Pha	Hai stone	Cam Pha	Cua Ong temple beach	Cam Pha	--	--	--	--	6,20	--	20	6,7,20	--	--
39	Reu island	Cam Pha	Navy camp	Cam Pha	Muoi bay	Cam Pha	The Vang island	Cam Pha	--	--	2,12	--	10,11,21	2	1,9,23	Clean washer
40	Bai Tu Long bay	Cam Pha	The Vang island	Cam Pha	--	--	--	--	--	--	6,21	--	2,23	Fresh water spring	--	--
41	Con Son	Hai Duong	Yen Tu ponds	Uong Bi	Tri Co	Mong Cai	--	--	--	--	2,22,23	Chess table Nguyen Tra	2,21,22	6,7,18,23	--	--
42	Reu island	Cam Pha	Hai stone	Cam Pha	--	--	--	--	--	--	12	--	6,7,22,23	Clean water & air	--	--
43	Hai stone	Cam Pha	Cua Ong temple	Cam Pha	--	--	--	--	--	--	6,22,23	Clean air	6,22,23	Historical Relic	--	--
44	Quan Lan island	Cam Pha	Vung Duc	Cam Pha	--	--	--	--	--	--	6,23	Some of sunrise	8,21	--	--	--
45	Vung Duc	Cam Pha	The Vang island	Cam Pha	Net island	Cam Pha	Quan Lan island	Van Don	Van Don pond	Yen Don	1,6,22	--	6,7,23	Fresh water lake	11,18	18
46	Cua Ong temple	Cam Pha	Quan Lan island	Van Don	Reu island	Cam Pha	The Vang island	Cam Pha	--	--	21,23	Historical Relic	6,22,23	Historical Relic	12	2,7
47	Hai stone	Cam Pha	--	--	--	--	--	--	--	--	5,18,20	--	--	--	--	--
48	Reu island	Cam Pha	Hai stone	Cam Pha	Tri Co	Mong Cai	Cua Ong temple	Cap Tim island	Cam Pha	Cam Pha	7,12	--	1,7,17	--	21	1,2,18
49	Reu island	Cam Pha	The Vang island	Cam Pha	Hai stone	Cam Pha	Quan Lan island	Van Don	--	--	12,16	--	1,2,22	--	7,22	2
50	Tri Co	Mong Cai	Cua Ong temple	Cam Pha	--	--	--	--	--	--	17,18,23	--	1,2,8,12,21,23	Historical Relic	--	--

Results of Questionnaire Survey to Residents (No. 11 and 12)

79	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	8,18.22	--	--	--	--	--	--	--	--	--
80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
81	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	1,2,4,18,22,23	Historical Relic	--	--	--	--	--	--	--	--
82	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	2,8,18,22	--	--	--	--	--	--	--	--	--
83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
84	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	1,8,18,22	1,2,6,18,22,23	Historical Relic	--	--	--	--	--	--	--
85	Bai Tho mountain	Ha Long	--	--	--	--	--	--	--	1,2,8,22	--	--	--	--	--	--	--	--	--
86	Bai Tho mountain	Ha Long	--	--	--	--	--	--	--	1,2,8,9,22	2,18	2,6,7,18,22	Historical Relic	--	--	--	--	--	--
87	Bai Chay beach	Ha Long	--	--	--	--	--	--	--	1,2,6,7,22	--	--	--	--	--	--	--	--	--
88	Cua Ong temple	Cam Pha	--	--	--	--	--	--	--	1,2,6,18,22,23	Historical Relic	--	--	--	--	--	--	--	--
89	Yen Tu pagoda	Uong Bi	--	--	--	--	--	--	--	1,2,8,16,18,20,23	1,8,18,22	Historical Relic	--	--	--	--	--	--	--
90	Yen Tu pagoda	Uong Bi	--	--	--	--	--	--	--	1,2,8,16,18,20,21,23	1,8,18,22	Historical Relic	--	--	--	--	--	--	--
91	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	19,22	1,2,9,10,21,23	Historical Relic	--	--	--	--	--	--	--
92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
93	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	18,21-23	Historical Relic	--	--	--	--	--	--	--	--
94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
95	Yen Lap lake	Yen Hung	--	--	--	--	--	--	--	1,2,5,18,22	--	--	--	--	--	--	--	--	--
96	Bai Tho mountain	Ha Long	--	--	--	--	--	--	--	1,2,8,22	2,5,18,22	Historical Relic	--	--	--	--	--	--	--
97	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	1,18,22	1,2,18,22,23	Historical Relic	--	--	--	--	--	--	--
98	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	1,8,18,22	2,18,22,23	Historical Relic	--	--	--	--	--	--	--
99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
100	New road area	Hanh Bo	--	--	--	--	--	--	--	2,6,7,22	--	--	--	--	--	--	--	--	--
101	Cua Ong temple	Cam Pha	--	--	--	--	--	--	--	2,6,18,22,23	8,18,22	Historical Relic	--	--	--	--	--	--	--
102	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	1,18,22	1,5,9,22	Historical Relic	--	--	--	--	--	--	--
103	Long Tien pagoda	Ha Long	--	--	--	--	--	--	--	1,9,18,22	--	--	--	--	--	--	--	--	--
104	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
106	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
107	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
108	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

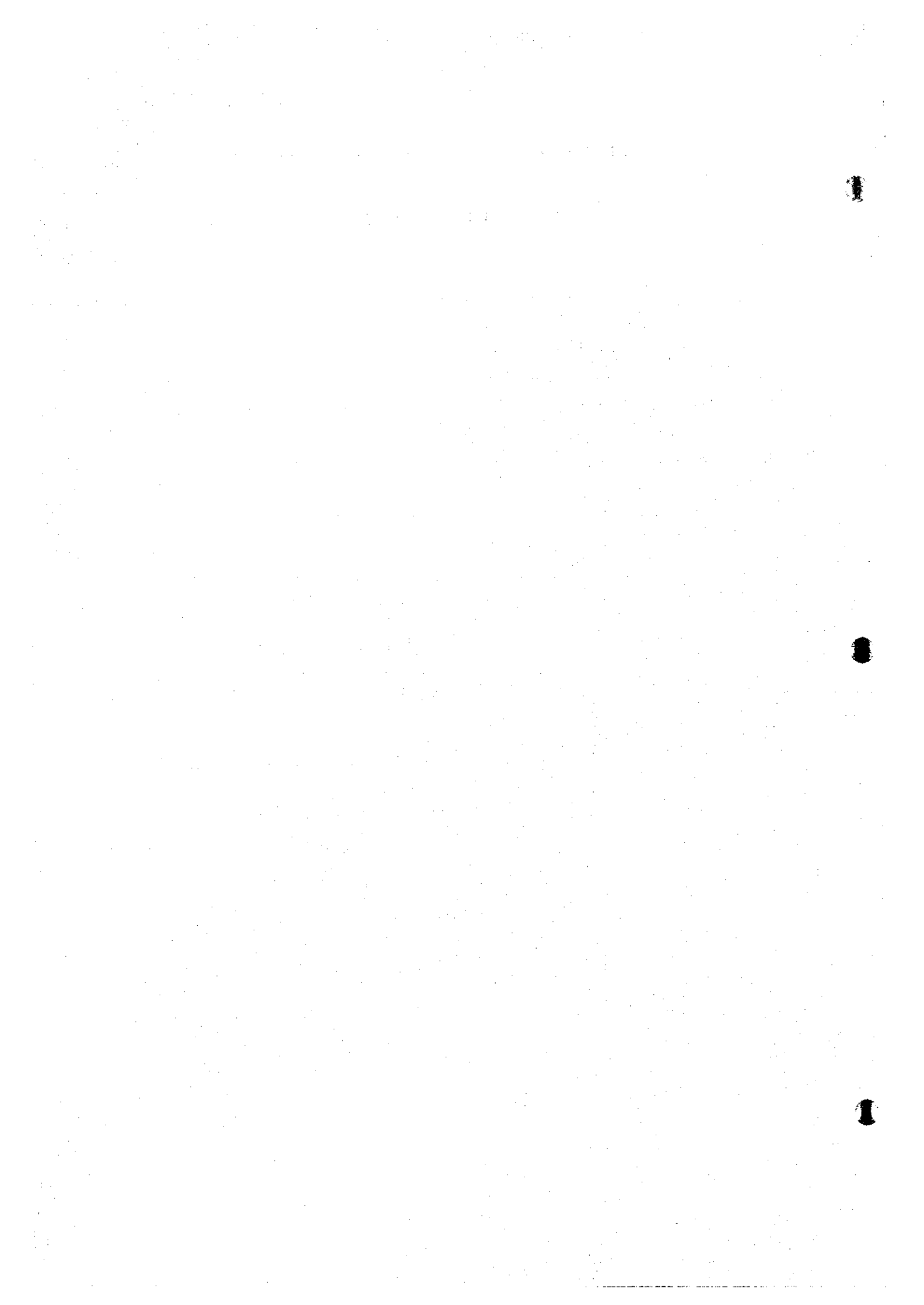
PART III
QUESTIONNAIRE SURVEY
ON
POLLUTION SOURCE INVENTORY



Part III Questionnaire Survey on Pollution Sources Inventory

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Questionnaire (Factory)

for cement factory, brick factory, sea food processing/packng factory, brewery, vegetable oil factory, steel factory, fertilizer factory, chemical factory, and other kinds of factories

Inspector for the answers / Interviewer _____
 Reference No. _____
 Date _____

Please answer the following questions by filling underlines "_____" and checking (S) in "[]".

I. Outline of the Factory

- (1) Person in charge of answer to this questionnaire :
 Name _____ Position _____ Telephone _____ Fax _____
- (2) Person in charge of environmental protection :
 Name _____ Position _____ Telephone _____ Fax _____
- (3) Factory name _____
- (4) Factory address _____
- (5) Year of establishment _____
- (6) Land area of the factory _____ m²
- (7) Type of industry _____
- (8) Details on product : _____
- (9) Annual production amount (Unit : _____) :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
- (10) Annual sales (mrd/year) :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
- (11) Number of employsee :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
- (12) Daily operation time : from _____ to _____ (hour/day)

(13) Number of operating days in a month : _____ (days/month)

(14) Number of operating months in a year : _____ (months/year)

(15) Layout of the factory : _____
 => buildings, facilities, road in and near the factory, drainage system, wastewater treatment facility, discharge point of wastewater, recreational area, etc.

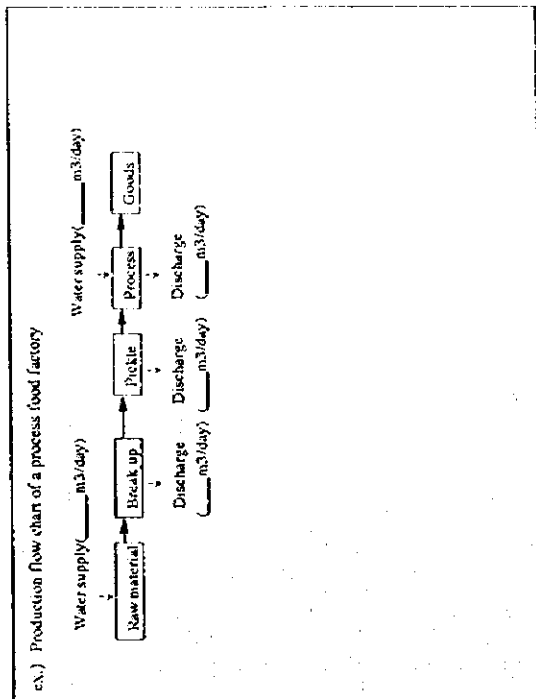
2. Manufacturing process

(1) Kinds and volume of raw material used in a year.

Name of raw material	Volume (/year)
1)	(/year)
2)	(/year)
3)	(/year)
4)	(/year)
5)	(/year)
6)	(/year)
7)	(/year)
8)	(/year)
9)	(/year)
10)	(/year)

(2) Manufacturing process flow:

-> Please draw rough flow chart of the manufacturing process, and describe volume of intermediate products, water supply, electricity, fuel, discharge, and final product under unit volume of raw materials on the flow chart.



The Study on the Environmental Management for Ha Long Bay 3

3. Water use

(1) Total volume of water for industrial uses (m³/year)
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of water in 1997 (or):

Water Source	Volume (m ³ /year)	Purpose of use
[1] Municipal water supply		
[2] River water (Name of river:)		
[3] Ground water		
[4] Others		
Total		

(3) Use of water in 1997 (or):
 Even total amount of water use is only known, please check (X) in "[]" in the column of water use process/facility and write down other water use, if any.

Water use process/facility	Volume (m ³ /day)
[] 1) Boiler	
[] 2) Raw material processing	
[] 3) Manufacture and/or washing	
[] 4) Cooling	
[] 5) Thermostatic control	
[] 6) Miscellaneous use	
7)	
8)	
9)	
10)	
Total	

(4) Recycled water use:

[] 1) There is no recycled water use.
 [] 2) There is recycled water use:
 Purpose of recycled water use: _____
 Volume of recycled water (m³/day): _____
 (or Ratio of recycled water in total water use (%): _____)

The Study on the Environmental Management for Ha Long Bay 4

4. Industrial waste water

(In this section, only industrial wastewater derived from industrial process is focused on. Domestic wastewater derived from employer and employee is not focused on.)

(1) Total volume of industrial wastewater (m³/year) :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of wastewater in 1997 (or _____) :

Name of facility	Production process	Volume (m ³ /year)	Pollutants
1)			
2)			
3)			
4)			
5)			
Total			

(3) Wastewater treatment facility :
 (In this section, only industrial wastewater derived from industrial process is focused on. Domestic wastewater derived from employer and employee is not focused on.)

() 1) There is no wastewater treatment facility.
 => Reason :
 no regulation
 no cost for installation no intention for treatment
 other reasons _____

() 2) There is treatment facility.
 a) Treated matters : _____
 b) Treatment method/facility :
 Septic tank
 => Residue water : infiltration to underground flow into drain pipe
 => Frequency of collecting septage : none frequency _____
 => Use of septage : none use for agriculture
 Sedimentation pond
 Others : _____
 => Frequency of the operation / maintenance :
 every day
 regularly _____ (times/month) => Reason _____
 irregularly _____ => Reason _____
 no operation _____

=> Reason :
 no cost for maintenance no personnel in charge of operation
 no cost for repair no intention for treatment
 other reasons _____

e) Capacity of the treatment facility : _____ (m³/day)
 d) Cost for maintenance of the treatment facility : _____ (m³/year)

() 3) There is a plan to install / add treatment facility until 2010 :

a) Target year : _____
 b) Treated matters : _____
 c) Treatment process method/facility :
 Septic tank Sedimentation pond
 Others : _____
 d) Capacity of treatment facility : _____ (m³/day)

(4) Discharge point of wastewater :
 1) Directly into the river (Name of river : _____)
 2) Directly into the sea
 3) Sewage drain
 4) Other (_____)

(5) Distance from wastewater generating facility to the discharge point : _____ (m)

(6) Types of channel which connects between wastewater generating facility and the discharge point :
 1) trench 2) concrete 3) underground pipe
 4) others : _____

(7) Periodical examination of wastewater
 1) no enforcement
 2) yes
 => the latest result of examination : _____ (Date : _____)

5. Solid waste

- (1) Total volume of solid waste (kg/day) : _____
- (2) Main components of the solid waste :
 1) paper 2) wood 3) cloth 4) plastic 5) metal
 6) sludge 7) sewage 8) residue of food 9) stone/sand
 10) oil contained matter
 11) residue of raw material : _____
 12) others : _____
- (3) Disposal method of solid waste :
 1) Collected by sanitation company
 2) Dumping in permitted place (address) : _____
 3) Dumping nearby : _____
=> Dumping place :
 river (name of river) : _____
 vacant land
 others : _____
- (4) Incineration of burnable solid waste :
 1) yes, every time 2) yes, sometimes 3) no

6. Future plan and demand

- (1) Plan of increase of production until 2010 :
Target year : _____
Target production amount (product name and volume) : _____
- (2) Plan of expansion or rehabilitation of the facility until 2010 :
Target year : _____
Content of the plan : _____

- (3) Please describe any demands for implementation of proper pollution control in the factory, as concrete as possible.

Thank you very much for your cooperation.

Questionnaire (Coal Mine)

Inspector for the answers / Interviewer : _____
 Reference No. : _____
 Date : _____

Please answer the following questions by filling underlines " _____ " and checking (x) in "[]".

I. Outline of the Coal Mine

(1) Person in charge of answer to this questionnaire :

Name : _____ Position : _____
 Telephone : _____ Fax : _____
 Name of the coal mine : _____
 Name of the operation enterprise : _____

(2) Person in charge of environmental protection :

Name : _____ Position : _____
 Telephone : _____ Fax : _____

(3) Address of the exploitation site : _____

(4) Start year of exploitation : _____

(5) End year of exploitation : _____

(6) Land area for the exploitation : _____ m²

(7) Type of coal mine : [] open pit [] 2) underground

(8) Annual production amount (ton/year) :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(9) Annual sales (vnd/year) :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(10) Number of employee :
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(11) Daily operation time : from _____ to _____ (hours/day)

(12) Number of operating days in a month : _____ (days/month)

(13) Number of operating months in a year : _____ (months/year)

(14) Layout of boundary of the coal mine :

3. Industrial waste water

In this section, only wastewater derived from coal mining activity is focused on.
Domestic wastewater derived from employer and employee is not focused on.

(1) Total volume of wastewater (m³/year):
1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of wastewater in 1997 (or _____):

Name of facility	Process	Volume (m ³ /year)	Pollutants
(1)			
(2)			
(3)			
(4)			
(5)			
Total			

(3) Discharge volume to be pumped up from exploitation site (m³/month):

1993											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1994											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1996											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1997											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

2. Water use

(1) Total volume of water use for mining activity (m³/year)
1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of water in 1997 (or _____):

Water Source	Volume (m ³ /year)
(1) Municipal water supply	
(2) River water	
(Name of river)	
(3) Ground water	
(4) Others ()	
Total	

(3) Use of water in 1997 (or _____):
Even total amount of water use is only known, please check (X in ") in the water use process/facility and write down other water use, if any.

Water use process/facility	Volume (m ³ /day)
(1) Drilling	
(2) Sprinkling	
(3) Washing equipment	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Total	

(4) Existing wastewater treatment facility / methods in the coal exploitation site, oil stores and auto service facility:

[] 1) There is no wastewater treatment facility / methods.

=> Reason:

- [] no regulation
- [] no cost for installation [] no intention for treatment
- [] other reasons

[] 2) There is treatment facility.

=> Please describe the types of treatment facility or methods

(5) Plan for wastewater treatment facility / methods:

- [] 1) There is no plan.
- [] 2) There is a plan.

=> Please describe plan for the treatment facility or methods

(6) Discharge point of wastewater:

- [] 1) River (Name of river: _____)
- [] 2) Sea
- [] 3) Sewage drain
- [] 4) Other (_____)

(7) Distance from wastewater generating point to the discharge point: _____ (m)

(8) Types of channel which connects between wastewater generating facility and the discharge point:

- [] 1) trench [] 2) concrete [] 3) underground pipe
- [] 4) others: _____

(9) Periodical examination of wastewater

- [] 1) no enforcement
- [] 2) yes

=> result of examination from 1993-1997:

1993 _____
 1994 _____

1995 _____
 1996 _____
 1997 _____

4. Overburden and coal waste

(1) Total volume of overburden and coal waste (ton/day): _____

(2) Dumping site: _____
 name of the dumping site: _____
 address: _____

(3) Existing pollution control for the dumping site (type and capacity):

Type	Capacity
[] 1) sediment trap pond and/or sediment trap dyke	(ha)
[] 2) slope protection by plants or by _____	(ha)
[] 3) wastewater treatment plant	(method)
[] 4) periodical sprinkling activity	(frequency)
[] 5) others	

(4) Plan of pollution control for the dumping site (type, capacity and target year):

Type	Capacity	Target year
[] 1) sediment trap pond and/or sediment trap dyke	(ha)	
[] 2) slope protection by plants or by _____	(ha)	
[] 3) wastewater treatment plant	(method)	
[] 4) periodical sprinkling activity	(frequency)	
[] 5) others		

4. Anti-pollution control

(1) Existing anti-pollution control methods/activities :

- 1) none
 2) yes.

We equip _____

(2) Any problem to implement anti-pollution control methods/activities :

(3) Please describe any demands for implementation of proper pollution control in the coal mine as concrete as possible.

Thank you very much for your cooperation.

Questionnaire (Coal processing plant)

Inspector for the answers / Interviewer: _____
 Reference No.: _____
 Date: _____

Please answer the following questions by filling underlines "_____" and checking (X) in "[]".

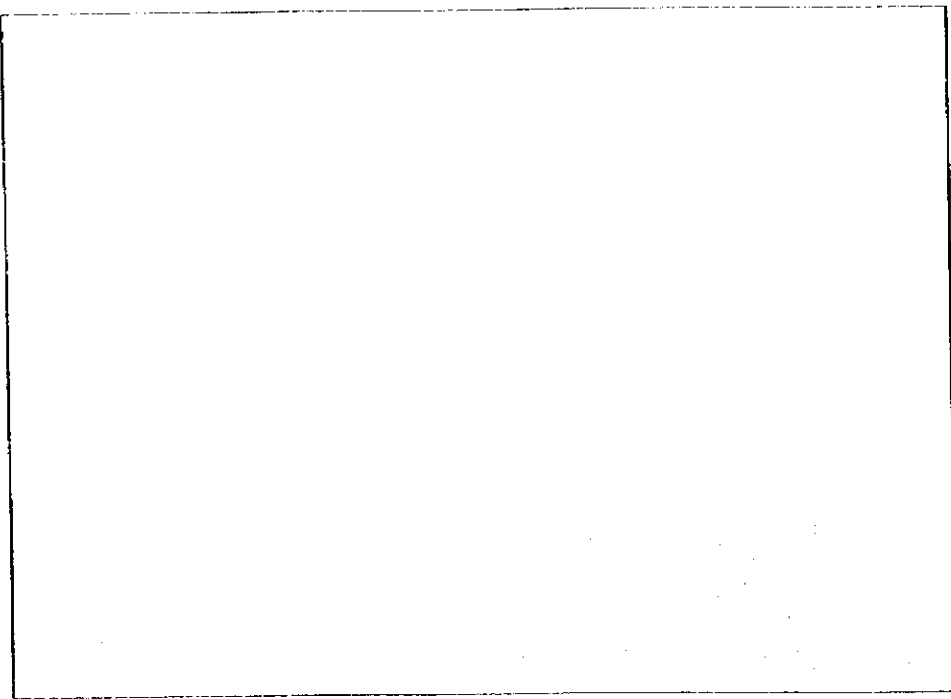
I. Outline of the Factory

- (1) Person in charge of answer to this questionnaire:
 Name: _____ Position: _____
 Telephone: _____ Fax: _____
 Name of the plant: _____
- (2) Person in charge of environmental protection:
 Name: _____ Position: _____
 Telephone: _____ Fax: _____
- (3) Address: _____
- (4) Year of establishment: _____
- (5) Land area of the plant: _____ m²
- (6) Annual processing amount (Unit: _____):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (7) Annual sales (vnd/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (8) Number of employee:
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (9) Daily operation time: from _____ to _____ (hours/day)
- (10) Number of operating days in a month: _____ (days/month)
- (11) Number of operating months in a year: _____ (months/year)

(12) Coal storage facility/place:

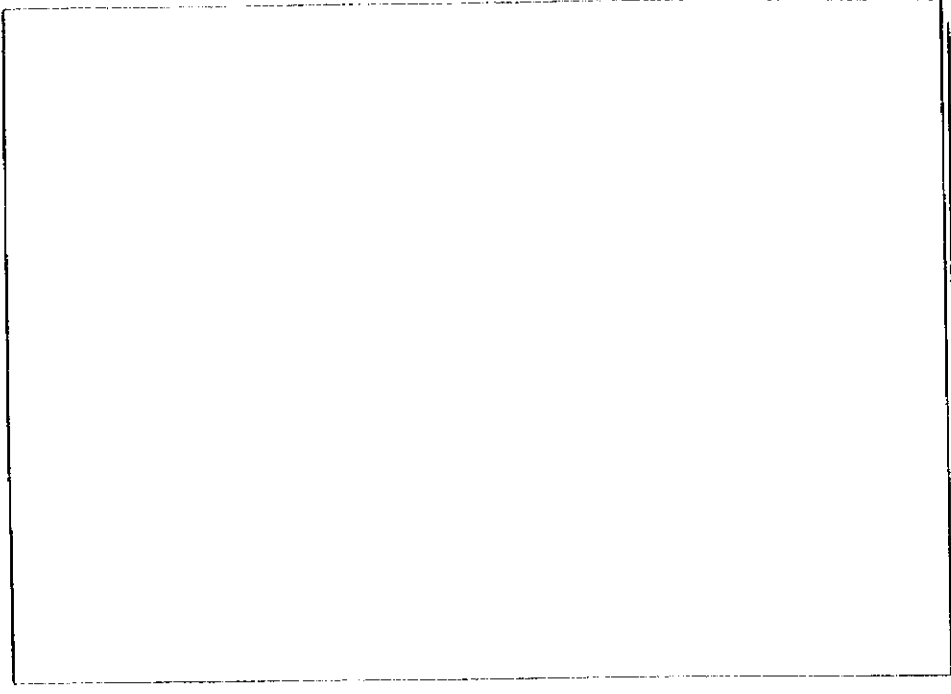
- 1) Location of the coal storage facility/place:
 a) in the plant
 b) near the plant; address: _____
- 2) Storage capacity:
 a) capacity of storage facility/place without roof: _____ (ton)
 b) capacity of storage facility/place with roof: _____ (ton)
- 3) Protection measure from rain water:
 a) none
 b) storage facility has roof.
 c) use of cover
 d) other measures: _____

(15) Layout of facilities:
=> please draw layout of buildings, facilities, road in and near the plant, drainage system, wastewater treatment facility, discharge point of wastewater, recreational area, etc.



2. Coal processing process

(1) Coal processing process:
=> please draw flow chart of the coal processing process in the plant.



2. Water use

(1) Total volume of water uses (m³/year) : 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of water in 1997 (or _____) :

Water Source	Volume (m ³ /year)	Purpose of use
<input type="checkbox"/> 1) Municipal water supply		
<input type="checkbox"/> 2) River water (Name of river: _____)		
<input type="checkbox"/> 3) Ground water		
<input type="checkbox"/> 4) Others _____		
Total		

(3) Use of water in 1997 (or _____) :

Even total amount of water use is only known, please check (X) in "[]" in the water use process/facility and write down other water use, if any.

Water use process/facility	Volume (m ³ /day)
1) _____	
2) _____	
3) _____	
4) _____	
5) _____	
6) _____	
7) _____	
8) _____	
9) _____	
10) _____	
Total	

(4) Recycled water use :

- 1) There is no recycled water use.
- 2) There is recycled water use :
 Purpose of recycled water use : _____
 Volume of recycled water (m³/day) : _____
 (or Ratio of recycled water in total water use (%)) : _____

4. Industrial waste water

In this section, only industrial wastewater derived from coal processing is focused on. Domestic wastewater derived from employer and employee is not focused on.

(1) Total volume of industrial wastewater (m³/year) : 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of wastewater in 1997 (or _____) :

Name of facility	Production process	Volume (m ³ /year)	Pollutants
1) _____			
2) _____			
3) _____			
4) _____			
5) _____			
Total			

(3) Wastewater treatment facility :

(in this section, only industrial wastewater derived from coal processing is focused on. Domestic wastewater derived from employer and employee is not focused on.)

- 1) There is no wastewater treatment facility.
 => Reason :
 no regulation
 no cost for installation no intention for treatment
 other reasons _____
- 2) There is treatment facility.
 a) Treated matters : _____
 b) Treatment method/facility :
 Septic tank
 => Residue water : infiltration to underground flow into drain pipe
 => Frequency of collecting septage : none frequency _____
 => Use of septage : none use for agriculture
 Sedimentation pond
 Others _____
 => Frequency of the operation / maintenance :
 every day
 regularly _____ (times/month) => Reason _____
 irregularly _____ => Reason _____
 no operation

5. Solid waste

- (1) Total volume of solid waste (kg/day) _____
- (2) Main contents of the solid waste :
 (1) residue of coal processing _____
 (2) residue of raw material _____
 (4) sludge (5) septage _____
 (6) others : _____
- (3) Disposal method of solid waste :
 (1) Collected by sanitation company _____
 (2) Dumping in permitted place (address) : _____
 (3) Dumping nearby : _____
 => Dumping place :
 river (name of river) : _____
 sea _____
 vacant land _____
 others : _____
- (4) Incineration of burnable solid waste :
 (1) yes, every time (2) yes, sometimes (3) no

- => Reason :
 no cost for maintenance no personnel in charge of operation
 no cost for repair no intention for treatment
 other reasons : _____
- e) Capacity of the treatment facility : _____ (m³/day)
 d) Cost for maintenance of the treatment facility : _____ (USD/year)
 (3) There is a plan to install / add treatment facility until 2010
 a) Target year : _____
 b) Treated matters : _____
 c) Treatment process method/facility : _____
 Septic tank Sedimentation pond
 Others : _____
 d) Capacity of treatment facility : _____ (m³/day)
- (4) Discharge point of wastewater :
 (1) River (Name of river) : _____
 (2) Sea _____
 (3) Sewage drain _____
 (4) Other (_____)
- (5) Distance from wastewater generating point to the discharge point : _____ (m)
- (6) Types of channel which connects between wastewater generating facility and the discharge point :
 (1) trench (2) concrete (3) underground pipe
 (4) others : _____
- (7) Periodical examination of wastewater
 (1) no enforcement
 (2) yes
 => the latest result of examination : _____ (Date : / /)

6. Anti-pollution control

(1) Existing anti-pollution control methods/activities :

[] 1) none

[] 2) yes

We equip _____

(2) Any problem to implement anti-pollution control methods/activities :

(3) Please describe demands for implementation of proper pollution control in the factory as concrete as possible.

Thank you very much for your cooperation.

Questionnaire (Coal Shipping Port)

Inspector for the answers / Interviewer: _____
 Reference No.: _____
 Date: _____

Please answer the following questions by filling underlines " _____ " and checking (X) in "[]".

I. Outline of the Coal shipping port

- (1) Person in charge of answer to this questionnaire :
 Name: _____ Position: _____
 Telephone: _____ FAX: _____
 Port name: _____
 Name of the operation enterprises: _____
- (2) Person in charge of environmental protection :
 Name: _____ Position: _____
 Telephone: _____ FAX: _____
- (3) Address: _____
- (4) Year of establishment: _____
- (5) Land area of the port: _____ m²
- (6) Annual shipping amount (ton/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (7) Tonnage of principal ships (ton): _____
- (8) Number of ships in 1997
 Jan: _____, Feb: _____, Mar: _____, Apr: _____
 May: _____, Jun: _____, Jul: _____, Aug: _____
 Sep: _____, Oct: _____, Nov: _____, Dec: _____
- (9) Shipping amount(ton) in 1997
 Jan: _____, Feb: _____, Mar: _____, Apr: _____
 May: _____, Jun: _____, Jul: _____, Aug: _____
 Sep: _____, Oct: _____, Nov: _____, Dec: _____

- (10) Annual sales (vnd/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (11) Number of employee / labors:
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (12) Daily operation time: from _____ to _____ (hours/day)
- (13) Number of operating days in a month: _____ (days/month)
- (14) Number of operating months in a year: _____ (months/year)
- (15) Destination of shipped coal from the port
 1) other port in Ha long bay: name of port: _____
 2) outside of Ha long bay: _____
- (16) Reloading activity on the sea
 1) none
 2) yes
 => reloading place: _____ (days)
 => average days for reloading activity on the sea: _____ (days)
 => tonnage of ship reloaded: _____ (tons)
- (17) Coal storage facility/place:
 1) Location of the coal storage facility/place:
 a) in the port
 b) near the port: address: _____
 2) Storage capacity:
 a) capacity of storage facility/place without roof: _____ (ton)
 b) capacity of storage facility/place with roof: _____ (ton)
 3) Protection measure from rain water:
 a) none
 b) storage facility has roof.
 c) use of cover
 d) other measures: _____

(18) Layout of facilities :
 => please draw layout of facilities and drainage system with each facility name.

(19) Plan of removal of the existing port:

- 1) no
- 2) yes

=> Target year : _____ address : _____

2. Water use

(1) Total volume of water use (m³/year)
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of water in 1997 (or _____) :

Water Source	Volume (m ³ /year)	Purpose of use
<input type="checkbox"/> 1) Municipal water supply		
<input type="checkbox"/> 2) River water (Name of river : _____)		
<input type="checkbox"/> 3) Ground water		
<input type="checkbox"/> 4) Others (_____)		
Total		

(3) Use of water in 1997 (or _____) :
 Even total amount of water use is only known, please check (X) in " " in the water use process/facility and write down other water use, if any.

Water use process/facility	Volume (m ³ /day)
1)	
2)	
3)	
4)	
5)	
Total	

3. Industrial waste water

In this section, only industrial wastewater derived from industrial process is focused on.
Domestic wastewater derived from employer and employee is not focused on.

(1) Total volume of industrial wastewater (m³/year) : _____
1993 _____ 1994 _____ 1995 _____ 1996 _____ 1997 _____

(2) Sources of wastewater in 1997 (or _____) :

Name of facility	Production process	Volume (m ³ /year)	Pollutants
1)			
2)			
3)			
4)			
5)			
Total			

(3) Wastewater treatment facility :

1) There is no wastewater treatment facility.

=> Reason :

- no regulation
- no cost for installation no intention for treatment
- other reasons

2) There is treatment facility.

3) There is a plan to install / add treatment facility until 2010 :

_____ => _____

(4) Discharge point of wastewater :

1) River (Name of river : _____)

2) Sea

3) Sewage drain

4) Other (_____)

(5) Distance from wastewater generating point to the discharge point : _____ (m)

(6) Types of channel which connects between wastewater generating facility and the discharge point :

1) trench 2) concrete 3) underground pipe

4) others : _____

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(7) Periodical examination of wastewater

1) no enforcement

2) yes

=> the latest result of examination : _____

4. Solid waste

(1) Total volume of solid waste (kg/day) : _____

(2) Main contents of the solid waste :

1) residue of coal processing : _____

2) residue of raw material : _____

3) sludge

4) sewage

5) others : _____

6) others : _____

(3) Disposal method of solid waste :

1) Collected by sanitation company

2) Dumping in permitted place (address) : _____

3) Dumping nearby :

=> Dumping place :

1) river (name of river : _____)

2) vacant land

3) others : _____

(4) Incineration of burnable solid waste :

1) yes, every time 2) yes, sometimes 3) no

(5) Any methods to prevent from dropping coal into water during loading activity :

1) none

2) yes

=> Please describe the measures and/or equipment. _____

Thank you very much for your cooperation.

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Questionnaire (Oil Port)

Inspector for the answers / interviewer: _____
 Reference No.: _____
 Date: _____

Please answer the following questions by filling underlines "____" and checking (X) in "[]".

1. Outline of the Oil port

(1) Person in charge of answer to this questionnaire:

Name: _____ Position: _____
 Telephone: _____ Fax: _____
 Port name: _____
 Name of the operation enterprises: _____

(2) Person in charge of environmental protection:

Name: _____ Position: _____
 Telephone: _____ Fax: _____

(3) Address: _____

(4) Year of establishment: _____

(5) Land area of the port: _____ m²

(6) Annual shipping amount (ton/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____

(7) Tonnage of principal ships (ton): _____

(8) Number of ships in 1997
 Jan. _____, Feb. _____, Mar. _____, Apr. _____
 May. _____, Jun. _____, Jul. _____, Aug. _____
 Sep. _____, Oct. _____, Nov. _____, Dec. _____

(9) Shipping amount(ton) in 1997
 Jan. _____, Feb. _____, Mar. _____, Apr. _____
 May. _____, Jun. _____, Jul. _____, Aug. _____
 Sep. _____, Oct. _____, Nov. _____, Dec. _____

(10) Annual sales (vnd/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____

(11) Number of employee / labors:
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____

(12) Daily operation time: from _____ to _____ (hour/day)

(13) Number of operating days in a month: _____ (days/month)

(14) Number of operating months in a year: _____ (months/year)

(15) Destination of shipped oil from the port
 1) other port in Ha Long Bay: name of port: _____
 2) outside of Ha Long Bay: _____

(16) Reloading activity on the sea
 1) none
 2) yes
 => reloading place: _____
 => average days for reloading activity on the sea: _____ (day+)
 => tonnage of ship reloaded: _____ (tons)

(17) Oil storage facility/Place:

1) Location of the oil storage facility/place:
 a) in the port
 b) near the port: address: _____

2) Storage capacity:
 a) capacity of storage facility/place without roof: _____ (ton)
 b) capacity of storage facility/place with roof: _____ (ton)

3) Protection measure from rain water:
 a) none
 b) storage facility has roof
 c) use of cover
 d) other measures: _____

2. Water Use

(18) Layout of facilities:
 • please draw layout of facilities and drainage system with each facility name.

(1) Total volume of water use (m³/year)
 1993 _____ 1994 _____ 1995 _____ 1996 _____ 1997 _____

(2) Sources of water in 1997 (or _____):

Water Source	Volume (m ³ /year)	Purpose of use
<input type="checkbox"/> 1) Municipal water supply		
<input type="checkbox"/> 2) River water (Name of river: _____)		
<input type="checkbox"/> 3) Ground water		
<input type="checkbox"/> 4) Others _____		
Total		

(3) Use of water in 1997 (or _____):
 Even total amount of water use is only known, please check (S) in "[]" in the water use process/facility and write down other water use, if any.

Water use process/facility	Volume (m ³ /day)
1) _____	
2) _____	
3) _____	
4) _____	
5) _____	
Total	

(19) Plan of removal of the existing port:

- 1) no
 2) yes

→ Target year: _____ address: _____

3. Industrial wastewater

In this section, only industrial wastewater derived from industrial process is focused on.
Domestic wastewater derived from employer and employee is not focused on.

(1) Total volume of industrial wastewater (m³/year):
1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of wastewater in 1997 (or _____):

Name of facility	Production process	Volume (m ³ /year)	Pollutants
1)			
2)			
3)			
4)			
5)			
Total			

(3) Wastewater treatment facility:

(1) There is no wastewater treatment facility.

-> Reason:

- no regulation
- no cost for insalation no intiation for treatment
- other reasons

(2) There is treatment facility.

(3) There is a plan to install / add treatment facility until 2010:

-> _____

(4) Discharge point of wastewater:

- (1) River (Name of river: _____)
- (2) Sea
- (3) Sewage drain
- (4) Other (_____)

(5) Distance from wastewater generating point to the discharge point: _____ (m)

(6) Types of channel which connects between wastewater generating facility and the discharge point:

- (1) trench (2) concrete (3) underground pipe
- (4) others: _____

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(7) Periodical examination of wastewater

(1) no enforcement

(2) yes

-> the latest result of examination: _____

4. Solid waste

(1) Total volume of solid waste (kg/day): _____

(2) Main contents of the solid waste:

(1) residue of oil processing: _____

(2) residue of raw material: _____

(3) sludge

(4) septage

(5) others: _____

(3) Disposal method of solid waste:

(1) Collected by sanitation company

(2) Dumping in permitted place (address): _____

(3) Dumping nearby:

-> Dumping place:

river (name of river: _____)

vacant land

others: _____

(4) Incineration of burnable solid waste:

(1) yes, every time (2) yes, sometimes (3) no

(5) Any methods to prevent from dropping oil into water during loading activity.

(1) none

(2) yes

-> Please describe the measures and/or equipment: _____

Thank you very much for your cooperation.

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Questionnaire (Lime Stone Exploitation Site)

Inspector for the answers / Interviewer : _____
Reference No. : _____
Date : _____

Please answer the following questions by filling underlines "_____" and checking (x) in "[]".

1. Outline of the Lime Stone Exploitation Site

- (1) Person in charge of answer to this questionnaire :
Name : _____ Position : _____
Telephone : _____ Fax : _____
- (2) Name of the exploitation site : _____
Name of the operation enterprise : _____
- (3) Address of the exploitation site : _____
- (4) Start year of exploitation : _____
- (5) End year of exploitation : _____
- (6) Land area for the exploitation : _____ m²
- (7) Annual production amount (ton/year) :
1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
=> future plan : 2000 _____, 2005 _____, 2010 _____
- (8) Annual sales (vnd/year) :
1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
=> future plan : 2000 _____, 2005 _____, 2010 _____
- (9) Number of employees (labor) :
1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
- (10) Number of truck in a day : _____
- (11) Daily operation time : from _____ to _____ (hours/day)
- (12) Number of operating days in a month : _____ (days/month)
- (13) Number of operating months in a year : _____ (months/year)

(14) Layout of the exploitation site :

2. WATER USE

(1) Total volume of water use for exploitation activity (m³/year) :
 1993 _____ 1994 _____ 1995 _____ 1996 _____ 1997 _____

(2) Sources of water in 1997 (or _____) :

Water Source	Volume (m ³ /year)	Purpose of use
<input type="checkbox"/> (1) Municipal water supply		
<input type="checkbox"/> (2) River water		
(Name of river _____)		
<input type="checkbox"/> (3) Ground water		
<input type="checkbox"/> (4) Others _____		
Total		

(3) Use of water in 1997 (or _____) :

Even total amount of water use is only known, please check (X) in "[]" in the water use process/facility and write down other water use, if any.

Water use process/facility	Volume (m ³ /day)
<input type="checkbox"/> (1) Drilling	
<input type="checkbox"/> (2) Sprinkling	
<input type="checkbox"/> (3) Washing equipment	
<input type="checkbox"/> (4) _____	
<input type="checkbox"/> (5) _____	
<input type="checkbox"/> (6) _____	
7) _____	
8) _____	
9) _____	
10) _____	
Total	

3. Industrial waste water

In this section, only wastewater derived from exploitation activity is focused on.
 Domestic wastewater derived from employer and employee is not focused on.

(1) Total volume of wastewater (m³/year) :
 1993 _____ 1994 _____ 1995 _____ 1996 _____ 1997 _____

(2) Sources of wastewater in 1997 (or _____) :

Name of facility	Process	Volume (m ³ /year)	Pollutants
1) _____			
2) _____			
3) _____			
4) _____			
5) _____			
Total			

(3) Existing wastewater treatment facility / methods:

(1) There is no wastewater treatment facility / methods.

=> Reason :

- no regulation
- no cost for installation no intention for treatment
- other reasons _____

(2) There is a treatment facility.

=> Please describe the treatment facility or methods _____

(4) Plan for wastewater treatment facility / methods:

(1) There is no plan

(2) There is a plan.

=> Please describe plan for the treatment facility or methods _____

- (5) Discharge point of wastewater :
 1) River (Name of river _____)
 2) Sea
 3) Sewage drain
 4) Other (_____)
- (6) Distance from wastewater generating point to the discharge point : _____ (m)
- (7) Types of channel which connects between wastewater generating facility and the discharge point :
 1) trench 2) concrete 3) underground pipe
 4) others : _____
- (8) Periodical examination of wastewater
 1) no enforcement
 2) yes
 => result of examination from 1993-1997:
 1993 _____
 1994 _____
 1995 _____
 1996 _____
 1997 _____

4. Overburden waste

- (1) Total volume of overburden waste (ton/day) : _____
- (2) Dumping site :
 1) nearby exploitation site
 2) name of the dumping site : _____
 address : _____
- (3) Use of the overburden :
 1) only dumping
 2) use for reclamation
 where : _____
 quantity : _____ (ton/day)
 3) other way of use : _____

Thank you very much for your cooperation.

Questionnaire (Hotel)

Inspector for the answers / Interviewer: _____
 Reference No.: _____
 Date: _____

Please answer the following questions by filling underlines " " and checking (X) in " []".

I. Outline of the Hotel

- (1) Person in charge of answer to this questionnaire
 Name: _____ Position: _____
 Telephone: _____ Fax: _____
- (2) Name of hotel: _____
- (3) Address: _____

- (4) Year of establishment: _____
- (5) Land area of the hotel: _____ m²

- (6) Type and number of guest room:
 1) single _____, 2) double _____, 3) triple _____
 4) others _____

- (7) Annual guest number:
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____
 => Also, please write down guest number in each month in 1997 (or _____):
 Jan _____, Feb _____, Mar _____, Apr _____, May _____, Jun _____,
 Jul _____, Aug _____, Sep _____, Oct _____, Nov _____, Dec _____

- (8) Annual sales (vnd/year):
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

- (9) Average length of guests' stay: _____ (days)

- (10) Number of employee in 1997: _____

- (11) Restaurant in the hotel:
 [] 1) none
 [] 2) yes
 => Average daily number of guest in the restaurant: _____

2. Water use

- (1) Volume of water use (m³/year):
 1993 _____, 1994 _____, 1995 _____, 1996 _____, 1997 _____

(2) Sources of water in 1997 (or _____):

Water Source	Volume (m ³ /year)	Purpose of use
[] 1) Municipal water supply		
[] 2) River water		
(Name of river: _____)		
[] 3) Ground water		
[] 4) Others _____		
Total		

- (3) Daily use of water (on average):
 Even total amount of water use is only known, please check (X) in " []" in the column of the purpose of water use and write down other water use, if any.

Purpose of water use	Volume (m ³ /day)
[] 1) Guest rooms	
[] 2) Restaurants / Bar / Karaoke	
[] 3) Boiler	
[] 4) Laundry service	
[] 5) Pool	
(6) _____	
(7) _____	
Total	

- (4) Type of toilet in the guest rooms:
 [] 1) flush toilet | [] 2) non-flush toilet

- (5) Number of rooms which have a bath-tub: _____ (rooms)

- (6) Recycled water use:
 [] 1) There is no recycled water use
 [] 2) There is recycled water use:
 Purpose of recycled water use: _____
 Volume of recycled water (m³/day): _____
 (or Ratio of recycled water in total water use (%): _____)

1. Wastewater

- (1) Daily volume of wastewater (m³/day): _____
- (2) Wastewater treatment facility:
[] 1) There is no wastewater treatment facility.
=> Reason: [] no regulation [] no cost for installation [] no intention for treatment [] other reasons
[] 2) There is treatment facility.
a) Treated matters: _____
b) Treatment method/facility: [] Septic tank
=> Residue water: [] infiltration to underground [] flow into drain pipe
=> Frequency of collecting septage: [] none [] frequency: _____
=> Use of septage: [] none [] use for agriculture
[] Sedimentation pond
[] Others: _____
=> Frequency of the operation / maintenance: [] every day [] regularly (times/month) => Reason: _____
[] irregularly => Reason: _____
[] no operation
=> Reason: [] no cost for maintenance [] no personnel in charge of operation [] no cost for repair [] no intention for treatment [] other reasons
c) Capacity of the treatment facility: _____ (m³/day)
d) Cost for maintenance of the treatment facility: _____ (yml/year)
[] 3) There is a plan to install / add treatment facility until 2010
a) Target year: _____
b) Type of wastewater to be treated: _____
c) Treatment process method/facility: [] Septic tanks [] Others: _____
d) Capacity of treatment facility: _____ (m³/day)
- (3) Discharge point of wastewater:
[] 1) River (Name of river: _____)
[] 2) Sea _____

- [] 3) Sewage drain
[] 4) Other (_____)
- (4) Distance from wastewater generating point to the discharge point: _____ (m)

- (5) Types of channel which connects between wastewater generating facility and the discharge point:
[] 1) trench [] 2) concrete [] 3) underground pipe
[] 4) others _____

4. Solid waste

- (1) Volume of solid waste: _____ (kg/day)
(Respondent may not know the volume of solid waste in the unit of "kg". Instead, number of basket or box will be acceptable with description of the size of basket or box.)
- (2) Disposal method of solid waste:
[] 1) Collected by sanitation company
[] 2) Dumping in permitted place (address): _____
[] 3) Dumping nearby:
=> Dumping place: [] river (name of river: _____)
[] vacant land
(3) Incineration of burnable solid waste:
[] 1) yes, every time [] 2) yes, sometimes [] 3) no

5. Future business expansion plan

- (1) Future business expansion plan until 2010, if any:
[] 1) none
[] 2) yes
=> Target year: _____
=> Target annual number of guest: _____
=> Action for the plan: [] a) extension of a hotel building: _____
=> how many rooms added: [] b) additional new restaurant: _____ (rooms)

Thank you very much for your cooperation.

Questionnaire: Hospital and Clinic

Inspector for the answers / Interviewer: _____
 Reference No.: _____
 Date: _____

Please answer the following questions by filling underlines " " and checking (X) in "] ".

1. Outline of the Hospital or Clinic

- (1) Person in charge of answer to this questionnaire
 Name: _____ Position: _____
 Telephone: _____ Fax: _____
- (2) Name of hospital/clinic: _____
- (3) Types of medical services: _____
- (4) Address: _____
- (5) Year of establishment: _____
- (6) Land area of the hospital/clinic: _____ m²
- (7) Annual patient number in 1997 (or)
 -> Also, please write down patient number in each month:
 Jan. _____, Feb. _____, Mar. _____, Apr. _____, May _____, Jun. _____
 Jul. _____, Aug. _____, Sep. _____, Oct. _____, Nov. _____, Dec. _____
- (8) Number of beds for hospitalization, if any: _____
- (9) Number of employee in 1997 (or): _____
- (10) Number of doctors (number and speciality): _____
- (11) Daily consultation hours: from _____ to _____ (hours/day)
- (12) Number of operating days in a month: _____ (days/month)
- (13) Kinds of chemicals used: _____

2. Water use

(1) Total volume of water use in 1997 (or): _____ (m³/day)

(2) Sources of water in 1997 (or): _____

Water Source	Volume (m ³ /day)
<input type="checkbox"/> 1) Municipal water supply	_____
<input type="checkbox"/> 2) River water	_____
Name of river: _____	_____
<input type="checkbox"/> 3) Ground water	_____
<input type="checkbox"/> 4) Others ()	_____
Total	_____

(3) Use of water in 1997 (or): _____
 Even total amount of water use is only known, please write down purpose and/or facility of water use as detail as possible.

Water use purpose/facility	Volume (m ³ /day)
1) _____	_____
2) _____	_____
3) _____	_____
4) _____	_____
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____
Total	_____

3. WASTEWATER

(1) Total volume of wastewater: _____ (m³/year)

(2) Sources of wastewater in 1997 (or _____):

Name of facility/process () examination rooms	Volume (m ³ /day)	Pollutants
2)		
3)		
4)		
5)		
Total		

(3) Wastewater treatment facility:

() 1) There is no wastewater treatment facility.

=> Reason:

- () no regulation
- () no cost for installation () no intention for treatment
- () other reasons

() 2) There is treatment facility.

a) Treated matters: _____

b) Treatment method/facility:

() Septic tank

=> Residue water: () infiltration to underground () flow into drain pipe

=> Frequency of collecting seepage: () none () frequency

=> Use of seepage: () none () use for agriculture

() Sedimentation pond

() Others: _____

=> Frequency of the operation / maintenance:

() every day

() regularly _____ (times/month) => Reason _____

() irregularly _____ => Reason _____

() no operation

=> Reason:

() no cost for maintenance () no personnel in charge of operation

() no cost for repair () no intention for treatment

() other reasons

c) Capacity of the treatment facility: _____ (m³/day)

d) Cost for maintenance of the treatment facility: _____ (vnd/year)

() 3) There is a plan to install / add treatment facility until 2010

a) Target year: _____

b) Treated matters: _____

c) Treatment process method/facility:

() Septic tank () Sedimentation pond

() Others: _____

d) Capacity of treatment facility: _____ (m³/day)

(4) Discharge point of wastewater:

() 1) River (Name of river: _____)

() 2) Sea

() 3) Sewage drain

() 4) Other (_____)

(5) Distance from wastewater generating point to the discharge point: _____ (m)

(6) Types of channel which connects between wastewater generating facility and the discharge point:

() 1) trench () 2) concrete () 3) underground pipe

() 4) others: _____

4. Medical waste

(1) Total volume of medical waste: _____ (kg/month)

(2) Type of medical waste:

Type of medical waste	Volume (kg/month)
() 1) outdated chemical	
() 2) injections	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
(0)	
Total	

(3) Disposal method of the medical waste : _____ (address)
 1) Dispose directly to : _____
 2) Collected by : (name of collector) _____
 3) Other method : _____

(4) Any treatment which is carried out before dispose of the medical waste :
 1) none
 2) yes
 -> method of treatment : _____
 incineration
 other method : _____

Thank you very much for your cooperation.

Questionnaire (Restaurant)

Inspector for the answers / Interviewer: _____
 Reference No.: _____
 Date: _____

Please answer the following questions by filling underlines "_____" and checking (S) in " []".

I. Outline of the Restaurant

- (1) Person in charge of answer to this questionnaire
 Name: _____ Position: _____
 Telephone: _____ Fax: _____
- (2) Name of the restaurant: _____
- (3) Address: _____
- (4) Type of restaurant: [] 1) sea food [] 2) other _____
- (5) Year of establishment: _____
- (6) Land area of the restaurant: _____ m²
- (7) Number of guest capacity: _____ (persons)
- (8) Annual guest number:
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
 => Also, please write down guest number in each month in 1997 (or _____):
 Jan. _____, Feb. _____, Mar. _____, Apr. _____, May _____, Jun. _____,
 Jul. _____, Aug. _____, Sep. _____, Oct. _____, Nov. _____, Dec. _____
 (Rough number is acceptable.)
- (9) Annual sales (vnd/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (10) Number of employee in 1997: _____
- (11) Daily open hours: from _____ to _____ (hours/day)
- (12) Number of open days in a month: _____ (days/month)
- (13) Number of open months in a year: _____ (months/year)

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2. Water use

- (1) Volume of water use (m³/year):
 1993: _____, 1994: _____, 1995: _____, 1996: _____, 1997: _____
- (2) Sources of water in 1997 (or _____):

Water Source	Volume (m ³ /year)	Purpose of use
[] 1) Municipal water supply		
[] 2) River water		
(Name of river: _____)		
[] 3) Ground water		
[] 4) Others _____		
Total		
Water Source	Volume (m ³ /year)	

3. Wastewater

- (1) Volume of waste water (m³/day): _____
- (2) Wastewater treatment facility:
 [] 1) There is no wastewater treatment facility.
 [] 2) There is a treatment facility:
 a) Treatment process method/facility:
 [] Septic tank
 => Residue water: [] infiltration to underground [] flow into drain pipe
 => Frequency of collecting seepage: [] none [] frequency: _____
 => Use of seepage: [] none [] use for agriculture
 [] Others: _____
 [] 3) There is a plan to install / add treatment facility until 2010: _____
- (3) Discharge point of wastewater:
 [] 1) River (Name of river: _____)
 [] 2) Sea
 [] 3) Sewage drain
 [] 4) Other (_____)
- (4) Distance from restaurant to the discharge point: _____ (m)

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- (5) Types of channel which connects between the restaurant and the discharge point :
 1) trench 2) concrete 3) underground pipe
 4) others : _____
- (6) Periodical examination of wastewater
 1) no enforcement
 2) yes
 was the latest result of examination : _____

4. Solid waste

- (1) Total volume of solid waste : _____ (kg/day)
 (Respondent may not know the volume of solid waste in the unit of "kg". Instead, number of basket or box will be acceptable with description of the size of basket or box.)
- (2) Disposal method of solid waste :
 1) Collected by sanitation company
 2) Dumping in permitted place (address) : _____
 3) Dumping nearby :
 => Dumping place :
 river (name of river) : _____
 vacant land
 4) Used for livestock food and / or fertilizer (compost)
- (3) Incineration of burnable solid waste :
 1) yes, every time
 2) yes, sometimes
 3) no

Thank you very much for your cooperation.