4．6　分析対象種の確認状況の経年比較

分析対象種の確認状況の経年比較（その１）

No.	地方	項目	高次消費者																河川環境に関わりの深い種																河川およびダム湖周辺												国外外来種の確認状況												鳥と内水面漁業との関わり				調査実施年度			
																			ヨシ原												砂礫河原								浅流				河岸の崖																									
		種名	ミサゴ				チュウヒ				オジロワシ				オオワシ				オオヨシキリ				コヨシキリ				コアジサシ				コチドリ				イカルチドリ				カワガラス				ヤマセミ				カワセミ				ガビチョウ				カオジロガビチョウ				カオグロガビチョウ				ソウシチョウ				カワウ							
		河川名　＼　巡目	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	北海道	天塩川	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×		●	●	●	-	×	×	×		●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H12	H17	
2	北海道	渚滑川	×	●	×	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	×	×	×		×	●	●	-	×	●	●		×	●	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H7	H11	H16	
3	北海道	湧別川	-	×	×	-	-	×	×	-	-	●	●	-	-	●	●	-					●	●	●	-	-	×	×			●	●	-		●	●	●	-	●	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	H9	H14	
4	北海道	常呂川	-	×	●	×	-	×	●	×	-	●	●	◎	-	●	●	◎	-	●	●	×	-	●	●	◎	-	×	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H8	H13	H19
5	北海道	網走川	●	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H8	H13	H18
6	北海道	覆路川	×	×	●	-	×	×	●	-	×	●	●	-	×	●	●	-	×	●	●	-	×	×	×	-	×	×	×		●	●	●	-	●	×	×		×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H7	H10	H15	
7	北海道	石狩川	-	×	●	-	-	●	●	-	-	●	●	-	-	●	●	-									-	×	×		-	●	●	-		●	●		-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	H8	H13	
8	北海道	尻別川	●	●	●	-	×	×	×	-	×	×	●	-	×	×	●	-	●	●	●	-	●	●	●	-	×	×	×		×	●	●	-	×	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H6	H11	H16	
9	北海道	後志利別川	●	●	●	-	×	×	●	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×		●	●	●	-	×	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H5	H10	H15	
10	北海道	朱太川	×	●	●	-	×	●	●	-	×	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×		●	●	●	-	×	●	●		×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H6		H16	
11	北海道	沙流川	×	×	●	◎	×	×	●	◎	●	●	●	◎	●	×	●	◎	●	●	●	◎	●	●	●	◎	×	×	×	×	●	●	●	◎	×	×	×	◎	×	×	●	◎	×	×	×	◎	×	×	●	◎	×	×	×	◎	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	◎	H5	H9	H14	H19
12	北海道	鵡川川	×	×	×	-	×	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×		●	●	●	-	×	×	●		×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H5	H10	H15	
13	北海道	十勝川	×	×	●	-	×	●	●	-	×	●	●	-	×	●	●	-	●	●	●	-	●	●	●	-	×	×	×		●	●	●	-	×	×	×		×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H5	H11	H16	
14	東北	岩木川	●	●	●	-	●	●	●	-	●	●	●	-	●	×	●	-	●	●	●	-	●	●	●	-	×	●	×		●	●	●	-	●	●	●		●	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	×	●	-	H5	H10	H15	
15	東北	高瀬川	●	●	●	◎	●	●	●	◎	×	●	●	◎	×	×	●	◎	●	●	●	◎	●	●	●	◎	×	●	×	◎	×	●	×	×	×	×	×	×	×	●	●	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	◎	H4	H10	H15	H19
16	東北	馬淵川	×	×	●	-	×	●	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	×	×		●	×	×	-	×	●	●		×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
17	東北	北上川	-	●	●	-	×	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-		H9	H15	
18	東北	鳴瀬川	●	●	●	-	●	●	●	-	×	×	●	-	×	×	●	-	●	●	●	-	●	●	●	-	×	×	×		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H12	H16	
19	東北	名取川	×	×	×	●	×	×	×	×	×	×	●	-	×	×	×	×	●	●	●	●	×	●	●	●	×	●	×	×	×	●	●	●	×	●	●	●	×	●	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	●	-	H8	H13	H18
20	東北	阿武隈川	●	●	●	-	●	×	●	-	×	×	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	×	×		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12/13	H17	
21	東北	荒代川	●	●	●	-	×	●	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	×	×		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
22	東北	雄物川	-	●	●	◎	-	●	●	×	-	●	●	◎	-	●	●	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	◎	-	H8	H13	H19
23	東北	子吉川	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	◎	-	●	●	◎	-	×	×	×	-	●	●	◎	-	●	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	◎	-	H8	H13	H19
24	東北	最上川	●	●	●	-	×	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
25	東北	赤川	×	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
26	関東	久慈川	×	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●		●	●	●	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H13	H16	
27	関東	那珂川	×	×	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●		×	×	×	-	●	●	●		●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H8	H16	
28	関東	（利根川水系）利根川	-	●	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	×	×	-	●	×	◎	-	×	×	◎	-	×	×	×	-	●	●	◎	-	H9	H15	H19	
29	関東	（利根川水系）常陸利根川	●	●	●	◎	●	●	●	◎	×	×	×	×	×	×	×	×	●	●	●	◎	●	●	●	◎	●	●	●	◎	●	●	●	◎	×	●	●	◎	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	H4	H12	H17	H19
30	関東	（利根川水系）中川・綾瀬川	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	◎	-	×	×	×	-	●	●	◎	-	●	●	◎	-	×	×	×	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	◎	-	H7	H13	H19	
31	関東	（利根川水系）江戸川	-	×	×	◎	-	×	×	◎	-	×	×	×	-	×	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	●	×	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	◎	-	H8	H14	H19	
32	関東	（利根川水系）渡良瀬川	×	×	●	◎	●	●	●	◎	×	×	×	×	×	×	×	×	●	●	●	◎	×	×	×	◎	●	●	●	◎	●	●	●	◎	●	●	●	◎	●	●	●	◎	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	◎	H5	H10	H16	H19
33	関東	（利根川水系）鬼怒川	×	×	●	◎	×	●	●	◎	×	×	×	×	×	×	×	×	●	●	●	◎	×	●	×	◎	●	●	●	◎	●	●	●	◎	●	●	●	◎	●	●	●	◎	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	◎	H6	H12	H17	H19
34	関東	（利根川水系）小貝川	×	-	×	◎	×	-	×	◎	×	×	×	×	-	×	×	×	×	-	×	×	×	-	×	×	●	-	×	×	×	-	×	×	●	-	×	×	●	-	×	×	×	-	×	×	◎	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	-	●	-	H6	-	H16	H19
35	関東	（利根川水系）鳥川・神流川	-	×	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	×	-	●	×	×	-	●	●	×	-	●	●	×	-	●	●	◎	-	●	●	◎	-	×	×	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	◎	-	H7	H13	H19
36	関東	荒川	-	×	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	×	×	-	×	×	×	-	●	●	●	-	H7/8	H13	H19	
37	関東	多摩川	×	×	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H16	
38	関東	鶴見川	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H12	H17	
39	関東	相模川	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H9	H15	
40	関東	富士川	●	●	●	-	●	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H12	H17	
41	北陸	黒川	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	H8	H13	
42	北陸	関川（新潟県）	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	H10	H15	
43	北陸	信濃川	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
44	北陸	関川	●	●	●	-	×	×	×	-	×	●	×	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	×	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
45	北陸	姿川	●	●	●	-	×	×	×	-	×	×	●	-	×	×	●	-	●	●	×	-	●	●	×	-	×	×	×	-	●	●	●	-	×	●	●	-	●	●	●	-	●	●	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
46	北陸	黒部川	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
47	北陸	常願寺川	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	H9	H14	
48	北陸	神通川	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	H8	H13	
49	北陸	庄川	●	●	●	-	●	●	●	-	●	●	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
50	北陸	小矢部川	●	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
51	北陸	手取川	-	●	●	-	●	●	●	-	×	×	●	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H8	H13	H18	
52	北陸	梯川	-	●	●	●	-	×	●	×	-	×	×	×	-	●	●	●	-	×	×	●	-	●	●	●	-	×	×	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	●	-	H8	H13	H18
53	中部	早川川	-	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H10	H14	
54	中部	安倍川	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H10	H15	
55	中部	大井川	×	●	●	◎	×	●	×	×	×	×	×	×	×	×	×	×	×	●	●	◎	×	×	×	×	×	●	●	◎	×	●	●	◎	×	●	●	◎	×	●	●	◎	×	●	×	×	●	●	×	×	●	●	◎	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	◎	H5	H9	H15	H19
56	中部	菊川	-	●	●	◎	-	×	●	×	-	×	×	×	-	×	×	×	-	●	●	◎	-	●	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	◎	-	H8	H13	H19
57	中部	矢作川	●	●	●	-	×	●	●	-	●	●	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
58	中部	豊川	-	●	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	H8	H13	
59	中部	矢作川	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	×	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H9	H14	
60	中部	庄内川	×	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H10	H14	
61	中部	（木曽川水系）木曽川	●	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
62	中部	（木曽川水系）長良川	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
63	中部	（木曽川水系）揖斐川	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
64	中部	飯田川	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
65	中部	雲出川	-	×	●	◎	-	●	×	◎	-	×	×	×	-	×	×	×	-	●	●	◎	-	×	×	×	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	●	●	◎	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H9	H13	H19	
66	中部	櫛田川	●	●	●	-	×	●	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
67	中部	宮川	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
68	近畿	由良川	●	●	●	-	×	×	×	-	●	×	×	-	×	×	×	-	●	●	●	-	×	●	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
69	近畿	（淀川水系）瀬田川	●	●	●	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	×	×	●	×	×	×	×	×	×	●	×	●	×	×	●	●	●	×	●	●	●	×	●	●	●	×	●	●	●	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	●	H5	H10	H15	H18
70	近畿	（淀川水系）草津川	×	×	×	×	×	×	×	●	×	×	×	×	×	×	×	×	●	●	●	●	×	●	×	×	×	×	×	×	●	×	●	●	●	×	×	×	×	×	×	×	×	●	●	●	●	●	●	●	●	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	●	H6	H9	H15	H18
71	近畿	（淀川水系）路名川	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	●	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	●	-	H8	H13	H18
72	近畿	（淀川水系）木津川	-	×	×	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	●	●	●	●	-	H9	H15	H18	
73	近畿	（淀川水系）野洲川	×	×	●	●	●	●	●	×	×	×	×	×	×	×	×	×	●	●	●	●	×	×	×	×	●	●	●	●	●	●	●	●	×	×	×	×	×	×	×	×	●	●	●	●	●	●	●	●	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	●	●	●	●	H7	H11	H16	H18
74	近畿	（淀川水系）淀川	-	●	●	●	-	●	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H9	H15	H18	
75	近畿	大和川	×	×	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
76	近畿	円山川	-	●	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	●	●	-	-	×	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	H8	H14

分析対象種の確認状況の経年比較（その２）

No.	地方	項目	高次消費者												河川環境に関わりの深い種												河川およびダム湖周辺												国外外来種の確認状況																				鳥と内水面漁業との関わり				調査実施年度			
															ヨシ原								砂礫河原				渓流				河岸の崖																																							
		種名	ミサゴ				チュウヒ				オジロワシ				オオワシ				オオヨシキリ				コヨシキリ				コアジサシ				コチドリ				イカルチドリ				カワガラス				ヤマセミ				カワセミ				ガビチョウ				カオジロガビチョウ				カオグロガビチョウ				ソウシチョウ				カワウ							
		河川名 ＼ 巡目	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
83	中国	千代川	●	-	●	-	×	-	×	-	×	-	×	-	×	-	×	-	●	-	●	-	×	-	●	-	●	-	×	-	●	-	●	-	●	-	●	-	●	-	●	-	×	-	×	-	●	-	●	-	×	-	×	-	×	-	×	-	×	-	×	-	●	-	●	-	H3	-	H13	
84	中国	天神川	×	●	●	-	×	×	×	-	×	×	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
85	中国	日野川	●	●	●	●	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
86	中国	斐伊川	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	●	-	●	●	●	-	×	×	●	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
87	**中国**	**江の川**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**●**	**×**	**◎**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**H8**	**H13**	**H19**	
88	**中国**	**高津川**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**×**	**-**	**●**	**●**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**×**	**-**	**●**	**×**	**◎**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**H9**	**H14**	**H19**	
89	中国	吉井川	-	●	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	●	-	-	×	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H9	H15		
90	中国	旭川	●	●	●	-	×	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
91	中国	高梁川	●	●	●	-	×	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	●	-	●	●	●	-	×	×	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
92	中国	芦田川	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
93	中国	太田川	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	●	●	-	H3	H8	H13	
94	中国	小瀬川	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	×	-	×	×	●	-	×	×	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	●	×	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
95	中国	佐波川	●	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	●	●	-	●	×	●	-	●	●	●	-	×	×	×	-	×	●	×	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
96	四国	吉野川	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H9	H13		
97	四国	那賀川	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H9	H14		
98	**四国**	**土器川**	**●**	**●**	**-**	**◎**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**●**	**●**	**-**	**◎**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**●**	**●**	**-**	**◎**	**●**	**●**	**-**	**◎**	**×**	**●**	**-**	**×**	**×**	**×**	**-**	**×**	**●**	**●**	**-**	**◎**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**●**	**-**	**◎**	**H7**	**H12**		**H19**
99	四国	重信川	-	●	●	●	-	×	●	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	H8	H13	H18	
100	四国	肱川	●	●	●	-	●	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
101	四国	物部川	●	●	●	-	×	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
102	四国	仁淀川	●	●	●	-	×	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	●	×	-	×	×	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
103	四国	四万十川	●	●	●	-	●	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H16	
104	九州	遠賀川	●	●	●	-	-	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	×	×	-	●	●	●	-	×	×	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
105	九州	山国川	-	-	●	-	-	-	×	-	-	-	×	-	-	-	×	-	-	-	●	-	-	-	×	-	-	●	●	-	-	-	●	-	-	●	●	-	-	●	●	-	-	-	●	-	-	-	×	-	-	-	●	-	-	-	×	-	-	-	●	-	-	-	-	-	H13		
106	九州	筑後川	●	●	●	-	●	●	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H12	H17	
107	九州	矢部川	-	●	●	-	-	●	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	×	●	-	-	●	●	-	-	●	●	-	-	×	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	×	-	-	H8	H13		
108	九州	筑紫川	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	●	-	-	×	●	-	-	×	●	-	-	●	●	-	-	●	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H13			
109	九州	六角川	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H12	H17	
110	九州	嘉瀬川	●	●	●	-	●	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	×	×	●	-	●	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H11	H16	
111	九州	本明川	-	●	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H8	H13	H18	
112	九州	菊池川	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	●	●	-	H6	H12/13	H17	
113	九州	白川	●	●	●	-	×	×	●	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	●	-	●	●	●	-	×	×	×	-	×	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	H5	H11	H16	
114	九州	緑川	-	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	●	×	-	×	●	●	-	H7	H14	H18	
115	九州	球磨川	-	●	●	-	-	●	×	-	-	×	×	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H8	H13		
116	九州	大分川	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H9	H14		
117	九州	大野川	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	●	×	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H15	
118	九州	番匠川	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H6	H11	H15	
119	九州	五ヶ瀬川	-	●	●	-	-	×	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	●	●	-	H8	H13		
120	九州	小丸川	×	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	×	×	×	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H5	H10	H14	
121	九州	大淀川	●	●	●	-	×	●	●	-	×	×	×	-	×	×	×	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	●	●	●	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	×	×	×	-	●	●	●	-	H7	H12	H17	
122	九州	川内川	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	●	●	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	×	-	-	×	●	-	-	●	●	-	H9	H14		
123	**九州**	**肝属川**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**◎**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**×**	**●**	**×**	**-**	**●**	**●**	**×**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**●**	**●**	**◎**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**×**	**×**	**×**	**-**	**●**	**●**	**◎**	**-**	**H8**	**H14**	**H19**	
H19年度実施河川		確認河川数				18				9				4				3				18				10				12				19				17				7				9				21				3				2				0				2				20			
		未確認河川数				3				12				17				18				3				11				9				2				4				14				12				0				18				19				21				19				1			
		確認率（%）				85.7				42.9				19.0				14.3				85.7				47.6				57.1				90.5				81.0				33.3				42.9				100				14.3				9.5				0.0				9.5				95.2			
全実施河川		確認河川数	54	94	113	29	24	48	54	12	14	23	29	5	6	11	16	4	76	113	116	31	33	55	56	14	47	68	69	18	65	109	117	30	61	102	111	29	40	55	59	11	40	69	66	12	79	116	121	34	1	0	8	3	0	0	0	0	2	0	2	1	0	0	1	7	3	59	98	109	33				
		未確認河川数	27	24	9	5	57	70	68	22	67	95	93	28	75	107	106	30	5	5	6	3	48	63	66	20	34	50	53	16	16	9	5	4	20	16	11	5	41	63	63	23	41	49	56	22	2	2	1	0	80	118	114	31	81	118	122	32	81	116	121	34	81	117	115	31	22	20	13	1				
		確認率（%）	66.7	79.7	92.6	85.3	29.6	40.7	44.3	35.3	17.3	19.5	23.8	15.2	7.4	9.3	13.1	11.8	93.8	95.8	95.1	91.2	40.7	46.6	45.9	41.2	58.0	57.6	56.6	52.9	80.2	92.4	95.9	88.2	75.3	86.4	91.0	85.3	49.4	46.6	48.4	32.4	49.4	58.5	54.1	35.3	97.5	98.3	99.2	100.0	1.2	0.0	6.6	8.8	0.0	0.0	0.0	5.9	0.0	1.7	0.8	0.0	0.0	0.8	5.7	8.8	72.8	83.1	89.3	97.1				

凡例　◎●：確認、×：未確認、-：１～３巡目は河川環境管理システムに調査データが未格納、４巡目は調査未実施

注1)　1～３巡目のデータは、種名等について真正化され、河川環境管理システムに格納されている調査データを対象にした。
注2)　調査の継続性の観点から、経年比較のとりまとめ対象は１級河川の直轄区間とし、指定区間および2級水系は対象外とした。
注3)　１～３巡の区分については、原則として１巡目：平成２・３～７年度、２巡目：平成８～12年度、３巡目：平成13～17年度としたが、各河川の実施状況のバランスに応じて適宜区切りを調整した。各調査項目における具体的な巡目の区切りは調査実施状況の欄に記した。