



南三陸町自然環境活用センターの収蔵標本に基づく 宮城県志津川湾の魚類相と近年の動向

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Shota Suzuki, Akihiro Dazai and Takuzo Abe. 2025. Fish fauna and recent trends in Shizugawa Bay, Miyagi Prefecture, based on the collection of the Minamisanriku Nature Center. Ichthy, Natural History of Fishes of Japan, 51: 1–24.

Abstract

Fish specimens collected from Shizugawa Bay are deposited at the Minamisanriku Nature Centre. The ichthyofauna of Shizugawa Bay is reported here on the basis of the specimens. A total of 942 specimens were collected from October 2001 to December 2023, comprising 22 orders, 106 families, and 269 species. Recently, warm-water species have been collected more frequently, suggesting that the fish fauna in Shizugawa Bay is changing due to increasing seawater temperatures. In the future, comprehensive monitoring of the ichthyofauna in Shizugawa Bay will be conducted using environmental DNA methods, in addition to the specimen collection.

宮城県南三陸町が面する志津川湾は、湾口 6.6 km、面積 46.8 km²、最大水深 54 m の閉鎖性リアス海岸である (Fig. 1). 当湾は、海域の生物地理区 (Marine Ecoregions of the World: MEOW) の低温帯北西部太平洋区 (Cold Temperate Northwest Pacific) のうち北東本州に属する海域で (Spalding et al., 2007), 南下する寒流の親潮および暖流の津軽暖流と、北上する黒潮の影響を受ける。この地理的特徴により、冷水性種と暖水性種が共存する多様性豊かな生物相や海藻・海草の藻場を形成し、また、コクガン *Branta bernicla* (Linnaeus, 1758) の重要な越冬地となっていることなどから (嶋田ほか, 2023), 2018 年に国際的に重要な湿地のリストに登録され (湿地分類 B: 海洋の潮下帯域), ラムサール条約登録湿地となった (Convention on Wetlands Secretariat, 2018).

南三陸町自然環境活用センターでは 2001 年より、志津

川湾の沿岸域及び流入河川の魚類相を標本に基づき記録してきた。漁獲物の収集だけではなく、SCUBA 潜水による採集を含む様々な手法による調査を行っているため、大型の漁具や器具の使用が困難な岩礁域やごく浅い海域の小型種も多く採集されている。2011 年 3 月 11 日の東日本大震災の直前までに 791 体の動物標本が収蔵されていたが、震災に伴う大津波によって標本と採集記録データは流失した (川瀬, 2011)。その後、ボランティア等の尽力により瓦礫の中から 56 体の動物標本が回収され、また、博物館関係者や NPO 法人、有志らの協力による生物相調査も継続して行われた (阿部・太齋, 2017)。2020 年 2 月のセンター復旧以降は研究員による生物相調査も本格的に再開され、湾内の様々な環境から標本採集が行われている (阿部, 2020)。

宮城県内での魚類相は、酒井 (1986) をはじめ、佐藤ほか (1987) や高橋ほか (2000), 座間 (2001), 北川ほか (2008) などで報告されている。近年では、地球温暖化や黒潮の大蛇行によって沿岸の海水温が上昇し (Sato et al., 2024), 北限記録の更新や魚類相の変化が相次いで報告されている (例えば三澤ほか, 2020; 赤池・旗, 2022; 石川・長岡, 2023; 相澤・池田, 2023; 櫻井ほか, 2024; 手良村ほか, 2024)。志津川湾の継続した魚類相調査においても、宮城県内の魚類分布に関する既報では見られない種が多く採集されている。出現魚種の変動は漁業生産に直結する重要な課題であり、三陸沿岸周辺海域を含む魚類相の把握が急務である。そこで本研究では、東日本大震災以前の現存標本を含む 2001 年から 2023 年末までに採集された標本を元に志津川湾の魚類相を整理し、最近の志津川湾における出現魚種の変化の動向について報告する。

材料と方法

本報告は、2001 年 10 月から 2023 年 12 月までに、志津川湾及びその流入河川内で SCUBA 潜水や徒手による手網採集、もしくは湾内の定置網等の漁業活動によって漁獲された魚類標本に基づき行った。採集個体は 10% 海水ホルマリンで固定し、写真撮影を行った後、70% エタ

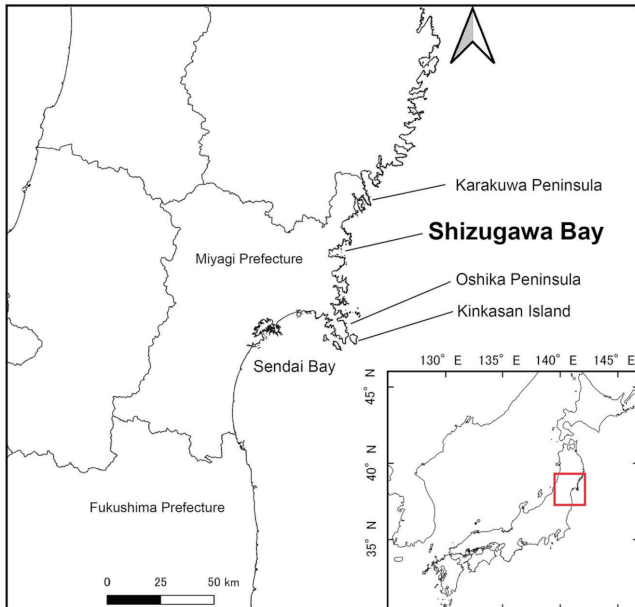


Fig. 1. Map showing the study site, Shizugawa Bay, and surrounding region.

ノールもしくは 50%2-プロパノールで保存した。生きて採集された個体は、固定・撮影前に ethyl m-aminobenzoate methanesulfonate (Nacalai Tesque Inc., Kyoto, Japan) で十分な麻酔を施した。外部形態による種同定は主に中坊 (2013) に従い、可能な限り下位の分類群まで同定した。形質が未発達の個体は沖山 (2014) に従った。学名は本村 (2024) に従った。標本に関する情報は、採集日や採集地点等を記録した。報告に用いた標本は、南三陸町自然環境活用センターの管理番号 (MNC-CH) を付与し保管した。2020 年 4 月以降に得られた個体は、右胸鰭等の種同定に影響のない部位を切り取り、後の実験のために DNA 標本とした。

結 果

志津川湾及びその流入河川で記録された魚類の標本情報を Table 1 に記載した。最も古い標本および最も新しい標本の採集日は、それぞれ 2001 年 10 月 25 日および 2023 年 12 月 21 日であった。魚類標本は総計 942 体で、分類群は 22 目 106 科 269 種 (未同定のヨロイアジ属を除く) であった。記載や生態調査に使われた種を Fig. 2 に、2018 年以降に新たに収集された暖水性種の一部を Figs. 3–4 に示した。東日本大震災が発生した 2011 年 3 月 11 日以前に採集され、大津波による流失を免れた魚類の登録標本は 15 体であった。魚種リスト及び標本情報は、南三陸ネイチャセンター魚類標本データベース ([URL](#)) 及び標本リスト ([URL](#)) にて公開し、随時更新する体制を整えた。

考 察

今回、2001 年から 2023 年までに採集された標本を元に、志津川湾に生息する 269 種 (未同定のヨロイアジ属を除く) の魚類を報告した。215 種が記録された志津川湾の

魚類相に関する既存の報告 (酒井, 1986) と本報告を比較すると、約半数にあたる 144 種が新たに志津川湾で分布が確認された種であり、その多くが小型の浅海性魚類だった (例えばヒメフタスジカジカ *Icelinus pietschi* Yabe et al., 2001: Fig. 2A)。その内、ウスジリカジカ *Icelus mororanis* (Jordan and Seale, 1906) (Fig. 2B) は再記載、クチバシカジカ *Rhamphocottus nagaakii* Munehara et al., 2022 (Fig. 2C) は新種記載、ヒゲキタノトサカ *Alectrias cirratus* (Lindberg, 1938) (Fig. 2E) やヒナムシャギンボ *Alectrias markevichi* Sheiko, 2012 (Fig. 2F)、ヤリガジ *Ernogrammus zhirninskii* Markevich and Kharin, 2011 (Fig. 2G) は日本初記録の報告に用いられた (鶴岡ほか, 2007; Tsuruoka et al., 2009; 山中・矢部, 2012; Yamanaka et al., 2012; Munehara et al. 2022)。また、ダンゴウオ *Eumicrotremus awae* (Jordan and Snyder, 1902) (Fig. 2D) の繁殖生態 (阿部・佐藤, 2009) や深海性のサメガレイ *Clidoderma asperum* (Temminck and Schlegel, 1846) (Fig. 2H) 仔魚の着底場所が浅海域の岩礁帯であったことの発見も (Abe et al., 2013)、本生物相調査の一環によるものである。これらの新知見が相次いだ理由には、本調査が漁船や調査船の漁具・サンプリングギアでは採集が困難な沿岸性の小型種をスキューバ潜水によって採集してきたことが挙げられる。また、東北地方の浅海域はアワビやウニといった磯根資源の好漁場であるため、漁業活動との兼ね合いから長らく潜水調査の実施が困難であったことも理由の一つと言える。ドライスーツをはじめとするダイビング機材の普及も、冷水域での潜水調査を可能にした要因の一つだろう。一方で、酒井 (1986) の報告は、主に漁業活動によって市場に水揚げされた種を対象としたものであり、本報告には含まれない沖合回遊性種や深海性種を多く含んでいる。したがって、地域における沿岸域全体の網羅的な魚類相把握には、魚類の様々な生態や生息域を考慮した複数の手法を用いることが有効と考えられる。

東北地方の太平洋沿岸では、太平洋側を北上する黒潮続流と日本海側から津軽海峡を経由し三陸沿岸を南下する津軽暖流によって暖水性の季節回遊魚がもたらされる (高橋ほか, 2000; 座間, 2001)。志津川湾でも、こうした暖水性種は定期的に確認されていたが、2018 年以降は初記録種が増加した (Figs. 3–4)。中坊 (2013) において福島県以南を太平洋側の分布とする海産魚の新たな採集記録に着目すると、2017 年までは 0–1 種であったが、2018–2022 年は毎年 2–5 種と増化し、2023 年には 1 年で 23 種と急増した (Fig. 5, Table 1)。これは 2017 年 8 月以降、黒潮続流が蛇行と北上を続け、さらに 2023 年春以降極端に北偏したことから (気象庁, 2023; Sato et al., 2024)、より多くの暖水性種が南三陸沿岸に輸送されたためと考えられる。志津川湾に來遊した暖水性種のほとんどは、これまでの海洋環境であれば、冬期の低水温の影響により越冬できなかった

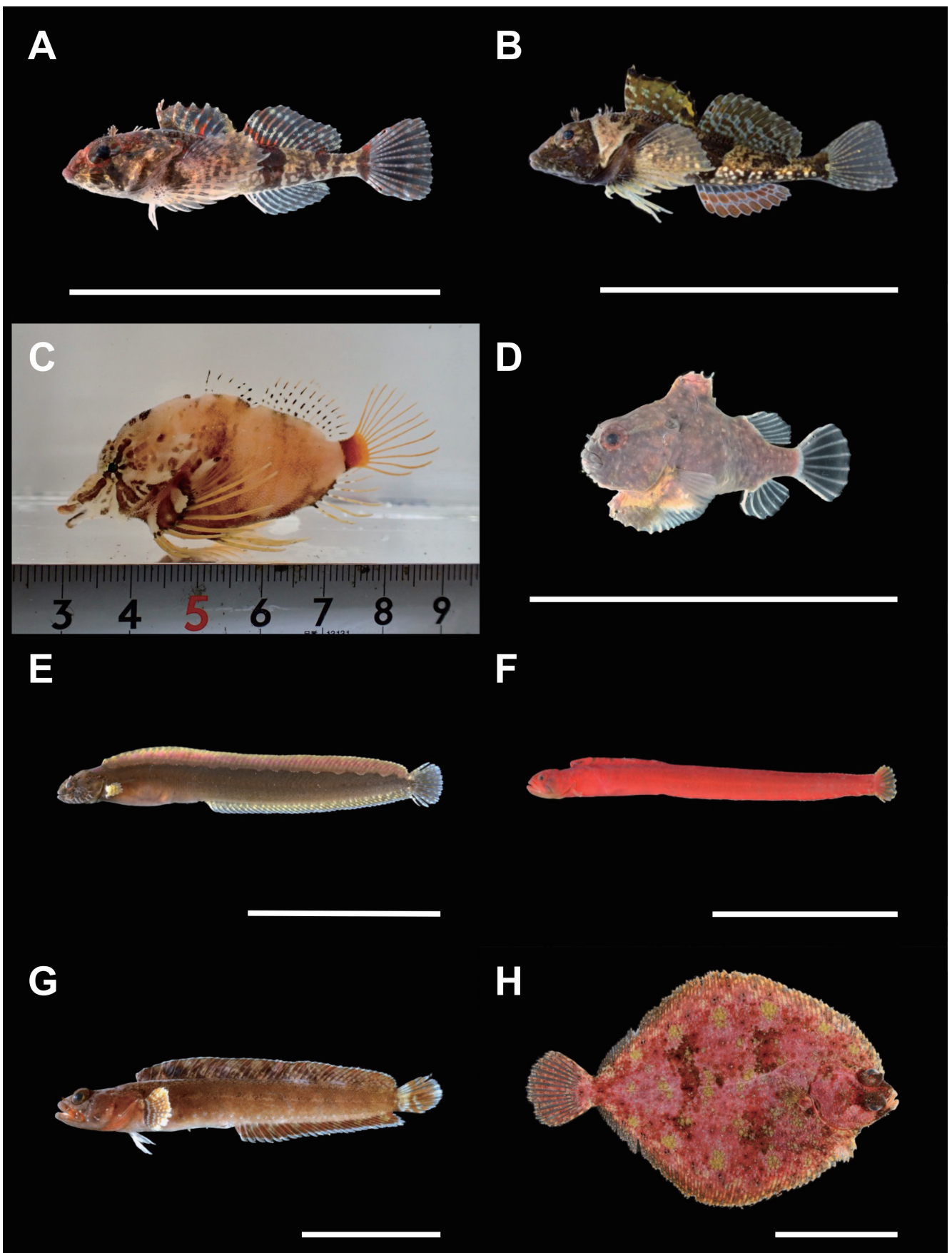


Fig. 2. Fresh specimens collected in Shizugawa Bay of species used for taxonomic and ecological studies. A: MNC-CH-02142, *Icelinus pietschi*; B: MNC-CH-00865, *Icelus mororanis*; C: MNC-CH-01489, *Rhamphocottus nagaakii*; D: MNC-CH-01874, *Eumicrotremus awae*; E: MNC-CH-02241, *Alectrias cirratus*; F: MNC-CH-01420, *Alectrias markevichi*; G: MNC-CH-01714, *Ernogrammus zhirmunskii*; H: MNC-CH-00558, *Clidoderma asperrimum*. White scale bars represent 3 cm.

たと推察される（座間，2001）。しかしながら近年の宮城県沖では、北偏した黒潮続流の滞留と親潮南下の弱まりに

よって冬期の海水温が高い状況で維持されている（Sato et al., 2024）。2023 年から 2024 年にかけての志津川湾や周辺

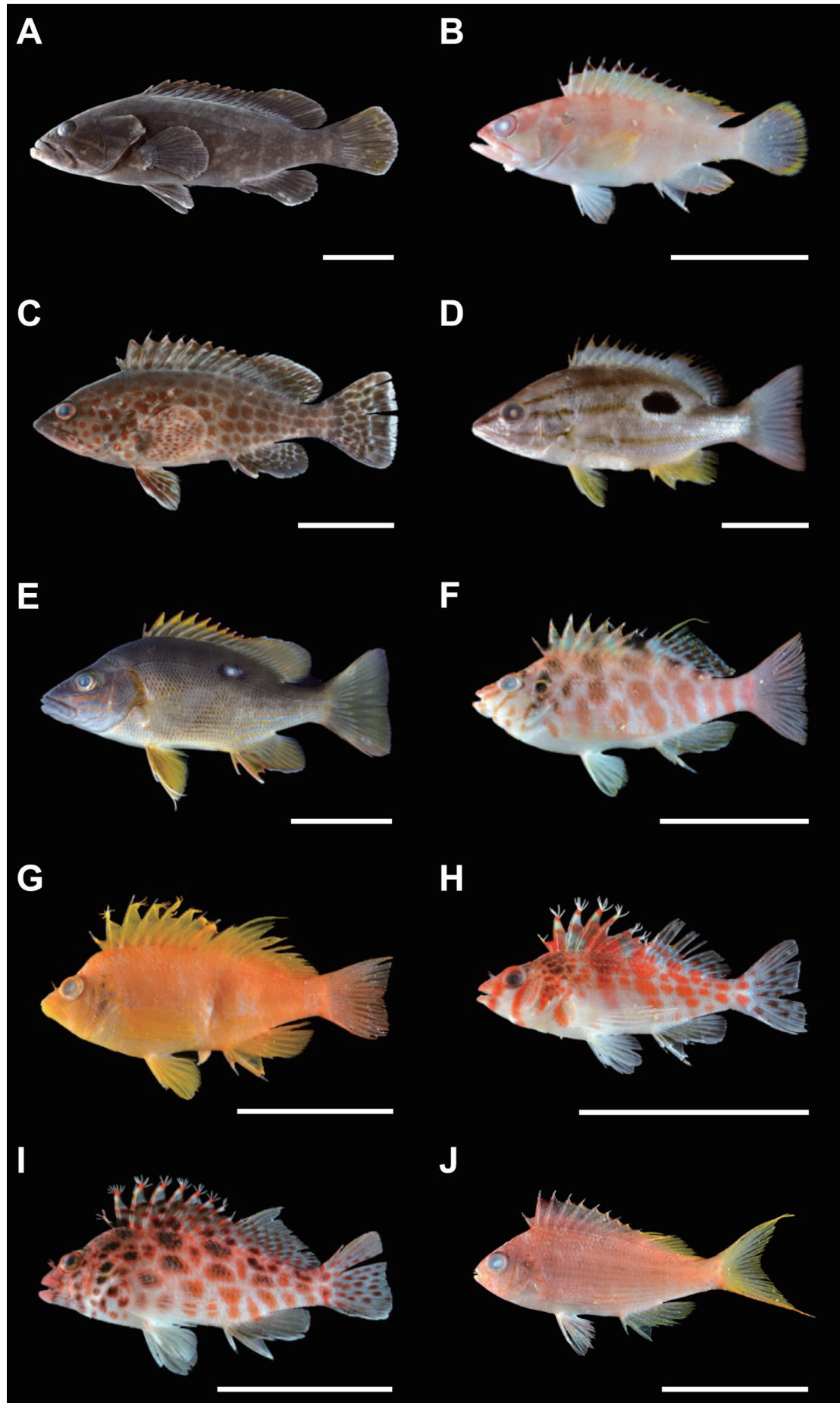


Fig. 3. Fresh specimens of warm-water species (*Epinephelus*, *Lutjanus* and *Cirrhitichthys*) collected in Shizugawa Bay since 2018. A: MNC-CH-02589, *E. bruneus*; B: MNC-CH-02512, *E. fasciatus*; C: MNC-CH-02596, *E. areolatus*; D: MNC-CH-01818, *L. russellii*; E: MNC-CH-02472, *L. stellatus*; F: MNC-CH-02523, *C. aprinus*; G: MNC-CH-02517, *C. aureus*; H: MNC-CH-02541, *C. falco*; I: MNC-CH-02539, *C. oxycephalus*; J: MNC-CH-02525, *C. polyactis*. White scale bars represent 3 cm.

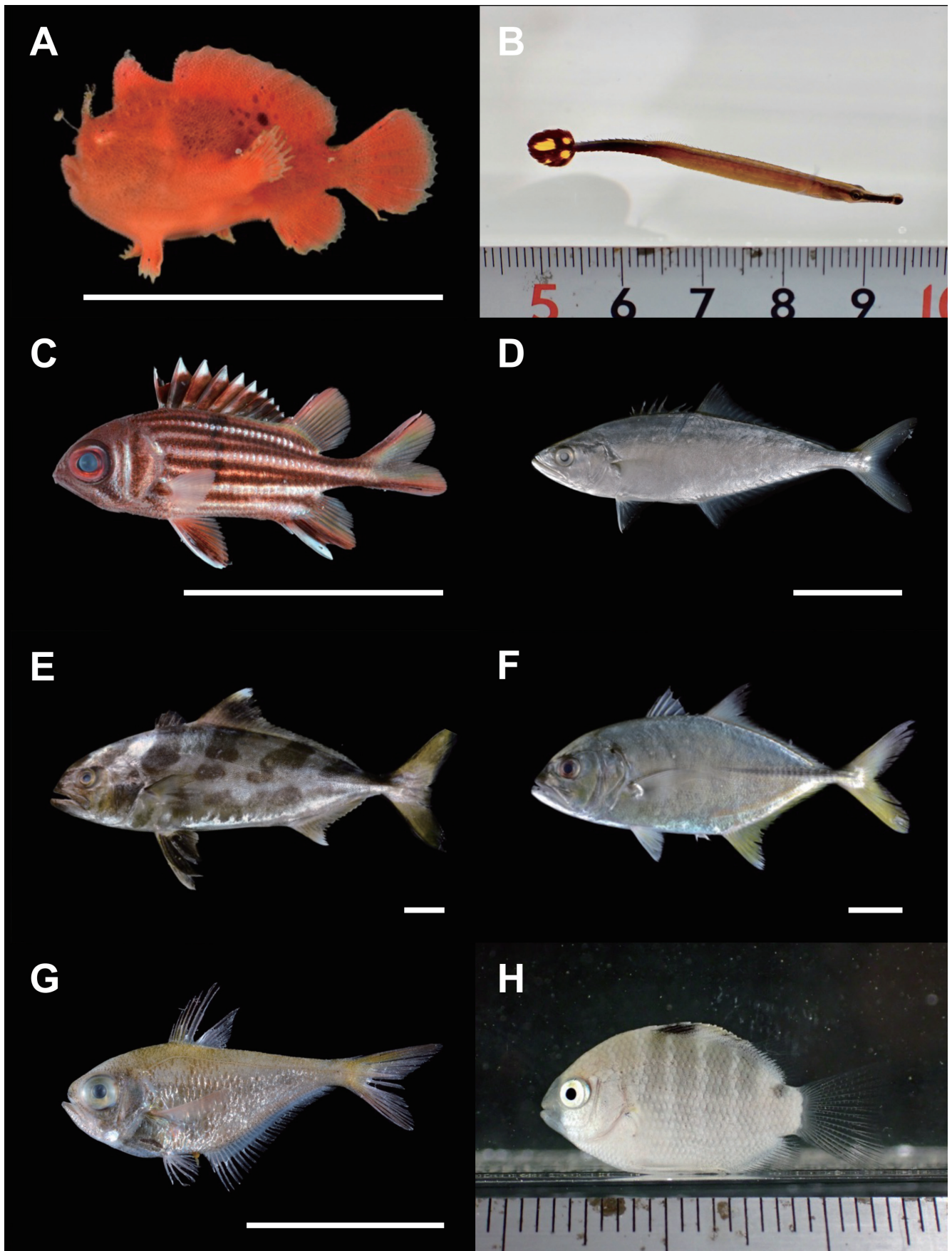


Fig. 4. Fresh specimens of warm-water species collected in Shizugawa Bay since 2018. A: MNC-CH-01155, *Abantennarius nummifer*; B: MNC-CH-01127, *Doryrhamphus (Doryrhamphus) japonicus*; C: MNC-CH-02573, *Sargocentron rubrum*; D: MNC-CH-01792, *Scomberoides tol*; E: MNC-CH-02532, *Seriolina nigrofasciata*; F: MNC-CH-02602, *Caranx sexfasciatus*; G: MNC-CH-02538, *Pempheris schwenkii*; H: MNC-CH-02466, *Abudefduf sordidus*. White scale bars represent 3 cm.

海域の水温もまた、例年に比べて5–7度高い状況が続いており（気象庁，2023），暖水性種が越冬する可能性が十分

考えられる．気候変動等による環境変化が特に著しい昨今，寒流と暖流の強い影響下にある東北太平洋沿岸の魚類相

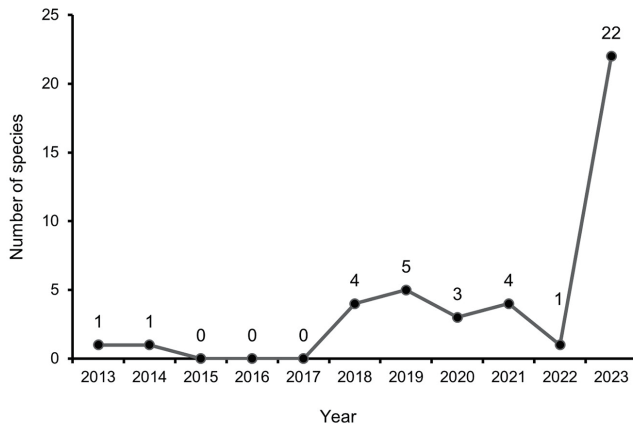


Fig. 5. Number of warm-water species newly collected in Shizugawa Bay during 2013 to 2023.

モニタリングは、より一層重要性を増すと考えられる。また、ワカメ養殖の一大産地であるとともに多様な海藻藻場が認められるラムサール条約登録湿地志津川湾において、これまで稀に漁獲される程度であった植食性魚類のアイゴ *Siganus fuscescens* (Houttuyn, 1782) が、最近では頻繁に漁獲されるようになった（酒井, 1986; 宮城県, 2020; 三浦・増田, 2022）。こうした状況から、海藻・海草藻場の保全および養殖ワカメの食害対策の観点からも、植食性魚類を含む暖水性種の動向を注視する必要がある。

近年開発された魚類相のモニタリング手法として環境 DNA 法が挙げられる（Miya et al., 2015; Minamoto et al., 2021）。2021 年の 6, 8, 10, 12 月に志津川湾内の 2 地点で行われたギンザケ養殖場の環境評価のための環境 DNA 調査（Suzuki et al., 2024）では、合計 84 魚種が検出され（未同定の Operational Taxonomic Units を除く）、その中にはやや深い水深帯に住む小型種のコモチジャコ *Amblychaeturichthys sciaenoides* (Jordan and Snyder, 1901) やアブオコゼ *Erisphex pottii* (Steindachner, 1896)、沖合回遊性のトビウオ *Cheilopogon agoo agoo* (Temminck and Schlegel, 1846) など、今回報告したリストにない 20 種が含まれる。環境 DNA 法は調査地における作業が採水だけであり、少ない労力で広範囲の魚類相を調査できるため、長期的な広域・多地点モニタリングの手法として非常に有効である。今後急激な魚類相変化が予想される海域においては、採集調査に加え、環境 DNA 法による相補的な調査を並行して実施することにより、迅速かつ網羅的な出現魚種の変化を検出していく必要があるだろう。

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Table 1. The list of fish specimens collected from Shizugawa Bay during 2001 to 2023.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
1	Myxiniidae	<i>Eptatretus burgeri</i> (Girard, 1855)	Nuraunagi	02050	2022/07/01	Shizugawa Bay, Shirane (South)
2	Petromyzontidae	<i>Lethenteron reissneri</i> (Dybowski, 1869)	Sunayatsume	00849	2015/04/27	Iriya houbatake
3	Triakidae	<i>Mustelus manazo</i> Bleeker, 1854	Hoshizame	01426	2020/10/15	Shizugawa Bay, Off Tomari Hama
4				02047	2022/06/15	Shizugawa Bay, Off Tomari Hama
5	Carcharhinidae	<i>Carcharhinus brevipinna</i> (Valenciennes, 1839)	Hanazame	01683	2021/07/22	Shizugawa Bay, Off Tomari Hama
6		<i>Prionace glauca</i> (Linnaeus, 1758)	Yoshikirizame	00980	2018/06/20	Shizugawa Bay, Off Tomari Hama
7				01631	2021/06/08	Shizugawa Bay, Off No-jima
8				01632	2021/06/08	Shizugawa Bay, Off No-jima
9				01633	2021/06/08	Shizugawa Bay, Off No-jima
10	Sphyrnidae	<i>Sphyrna zygaena</i> (Linnaeus, 1758)	Shiroshumokuzame	01682	2021/07/16	Shizugawa Bay, Off Tomari Hama
11	Rajidae	<i>Okangiei schmidtii</i> (Ishiyama, 1958)	Tsumarikasube	01098	2018/10/08	Shizugawa Bay, Off Tomari Hama
12				01511	2020/12/14	Shizugawa Bay, Off Hadenya Fishing Port
13				01849	2021/12/15	Shizugawa Bay, Off Tsubaki shima Islet.
14	Dasyatidae	<i>Hemirajda akajei</i> (Bünger, 1841)	Akajei	02407	2023/07/14	Shizugawa Bay, Off Mitobe Fishing Port
15	Myliobatidae	<i>Myliobatis tobijei</i> Bleeker, 1854	Tobiei	01780	2021/10/16	Shizugawa Bay, Off Tomari Hama
16	Anguillidae	<i>Anguilla japonica</i> Temminck and Schlegel, 1846	Nihon-unagi	00905	2018/06/05	Downstream of Hachiman River, Vicinity of Crisis Management Department
17				01181	2020/05/08	Shizugawa Bay, Oriate
18				01302	2020/07/27	Hachiman River, Sukezukur, Front of Matsubara Park
19				01336	2020/08/01	Hachiman River, Sukezukur, Front of Matsubara Park
20				01337	2020/08/01	Hachiman River, Sukezukur, Front of Matsubara Park
21	Opichthidae	<i>Opichthys zophistius</i> (Jordan and Snyder, 1901)	Hotateumihebi	00791	2014/09/05	Shizugawa Bay, Sugane
22	Congridae	<i>Conger jordani</i> Kanazawa, 1958	Kurunaago	01509	2020/12/07	Shizugawa Bay, Shizugawa Port
23				01510	2020/12/07	Shizugawa Bay, Shizugawa Port
24				00495	2013/09/09	Shizugawa Bay, Sugane
25				01611	2021/05/29	River Mouth of Hachiman River, Tideland of Matsubara

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
26				02256	2023/05/20	Shizugawa Bay, Tideland of Matsubara
27		<i>Gnathophis heteroglyphos</i> (Bleeker, 1858)	Gin-anago	02471	2023/07/30	Shizugawa Bay, Nagashizu Fishing Port
28	Clupeidae	<i>Clupea pallasi</i> Valenciennes, 1847	Nishin	02255	2023/05/12	Shizugawa Bay, Off Matsuzaki
29		<i>Konosirus punctatus</i> (Temminck and Schlegel, 1846)	Konoshiro	01477	2020/11/06	Shizugawa Bay, Off Tomari Hama
30				02254	2023/05/12	Shizugawa Bay, Off Matsuzaki
31		<i>Sardinops melanostictus</i> (Temminck and Schlegel, 1846)	Maiwashi	00489	2013/09/12	Shizugawa Bay
32				01448	2020/11/06	Shizugawa Bay, Off Arato
33				01449	2020/11/06	Shizugawa Bay, Off Arato
34				01458	2020/11/06	Shizugawa Bay, Off No-jima
35				01459	2020/11/06	Shizugawa Bay, Off No-jima
36				02046	2022/06/15	Shizugawa Bay, Off Tomari Hama
37	Engraulidae	<i>Engraulis japonica</i> Temminck and Schlegel, 1846	Katakuchiwashi	01460	2020/11/06	Shizugawa Bay, Off No-jima
38				01754	2021/10/11	Shizugawa Bay, Oritate
39				02360	2023/06/05	Shizugawa Bay, Off No-jima
40				02431	2023/07/21	Shizugawa Bay, Kappa-zawa
41	Dussumieriidae	<i>Etrumeus micropus</i> (Temminck and Schlegel, 1846)	Urumeiwashi	00471	2013/09/09	Shizugawa Bay, Sugane
42				01450	2020/11/06	Shizugawa Bay, Off Arato
43				01451	2020/11/06	Shizugawa Bay, Off Arato
44				01452	2020/11/06	Shizugawa Bay, Off Arato
45	Cyprinidae	<i>Cyprinus carpio</i> Linnaeus, 1758	Koi	01847	2021/12/06	Hachiman River, Sukezukuri, Front of Matsubara Park
46				01848	2021/12/06	Hachiman River, Sukezukuri, Front of Matsubara Park
47				00481	2013/09/23	Vicinity of river mouth of Hatiman-gawa R.
48		<i>Pseudaspius brandtii maruta</i> (Sakai and Amano, 2014)	Maruta	00793	2014/09/07	Iriya, Taraba-gawa R.
49		<i>Pseudaspius hakonensis</i> (Günther, 1877)	Ugui	01102	2019/07/20	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
50				01335	2020/08/01	Downstream of Hachiman River, Front of Matsubara Park
51		<i>Rhynchocypris lagowskii steindachneri</i> (Sauvage, 1883)	Aburahaya	01103	2019/07/20	Hachiman River, Sukezukuri, Front of Matsubara Park
52				01327	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
53				01328	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
54				02056	2022/07/18	Shizugawa Bay, Oritate
55				02057	2022/07/18	Shizugawa Bay, Oritate
56				02058	2022/07/18	Shizugawa Bay, Oritate
57		<i>Cobitis</i> sp. BIWAE type C	Higashishimadojo	02438	2023/07/23	Hachiman River
58	Cobitidae	<i>Misgurnus anguillicaudatus</i> (Cantor, 1842)	Dojo	00847	2015/04/24	Terahama
59				00848	2015/04/27	Iriya houkibatake
60				01323	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
61				01324	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
62				01325	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
63				01326	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
64				02435	2023/07/23	Hachiman River
65				02436	2023/07/23	Hachiman River
66				02437	2023/07/23	Hachiman River
67		<i>Misgurnus dabryanus</i> (Dabry de Thiersant, 1872)	Karadojo	01676	2021/07/17	Hachiman River, Sukezukuri, Front of Matsubara Park
68	Osmeridae	<i>Hypomesus japonicus</i> (Brevoort, 1856)	Chika	00790	2014/07/28	Shizugawa Bay, Kappa-zawa
69				00828	2014/10/22	Shizugawa Bay
70				01193	2020/05/08	Shizugawa Bay, Oritate
71				02400	2023/07/03	Shizugawa Bay, Sode Hama beach
72	Plecoglossidae	<i>Plecoglossus altivelis altivelis</i> (Temminck and Schlegel, 1846)	Ayu	00910	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
73				01316	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
74				01317	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
75				01318	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
76				01319	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
77				01320	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
78				01321	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
79	Salangidae	<i>Neosalangichthys ishikawae</i> (Wakiya and Takahasi, 1913)	Ishikawashirauo	00671	2014/05/15	Shizugawa Bay
80	Salmonidae	<i>Oncorhynchus keta</i> (Walbaum, 1792)	Sake	00638	2014/04/28	Shizugawa Bay

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
81				01478	2020/11/11	Hachiman River, Sukezukuri (Sake-Yana)
82		<i>Oncorhynchus kisutch</i> (Walbaum, 1792)	Ginzake	00859	2016/01/20	Mizushiri-gawa
83		<i>Oncorhynchus masou masou</i> (Brevoort, 1856)	Sakuramatsu, Yamame	00909	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
84				00674	2014/05/27	Hinokuchi
85				01969	2022/05/26	Hachiman River
86				01827	2021/12/06	Shizugawa Bay, Off Biwazaki
87		<i>Salvelinus leucomaenis plinivus</i> (Hilgendorf, 1876)	Nikoiwana	01968	2022/05/26	Hachiman River
88	Stemopterygidae	<i>Muraenichthys australis</i> Hector, 1875	Kyuriso	01929	2022/04/05	Shizugawa Bay, Off Uatsu
89	Moridae	<i>Physiculus japonicus</i> Hilgendorf, 1879	Chigodara	00513	2013/11/07	Shizugawa Bay
90				01053	2018/10/05	Shizugawa Bay, Kara-shima Islet.
91				01145	2019/12/10	Shizugawa Bay, Funakata Jima Islet.
92	Gadidae	<i>Gadus chalcogrammus</i> Pallas, 1814	Suketodara	01626	2021/05/26	Shizugawa Bay, Off Tomari Hama
93				02223	2023/01/27	Shizugawa Bay
94		<i>Gadus macrocephalus</i> Tilesius, 1810	Madara	01595	2021/04/11	Shizugawa Bay
95	Lophiidae	<i>Lophius litulon</i> (Jordan, 1902)	Kianko	00831	2014/11/08	Shizugawa Bay
96				01224	2020/05/18	Shizugawa Bay, Off Tomari Hama
97	Antennariidae	<i>Abantennarius nummifer</i> (Cuvier, 1817)	Benikacuanko	01155	2020/01/25	Shizugawa Bay, Tsubaki shima Islet.
98		<i>Hisrio hisrio</i> (Linnaeus, 1758)	Hanaokoze	00018	2012/08/10	Shizugawa Bay, Are-shima Islet
99				01233	2019/08/30	Shizugawa Bay, Off Tomari Hama
100	Holocentridae	<i>Sargocentron rubrum</i> (Forsskal, 1775)	Ayameebisu	02551	2023/10/05	Shizugawa Bay, Kappa-zawa
101				02552	2023/10/05	Shizugawa Bay, Kappa-zawa
102				02573	2023/10/05	Shizugawa Bay, Kappa-zawa
103				02574	2023/10/05	Shizugawa Bay, Kappa-zawa
104	Zeidae	<i>Zenopsis nebulosa</i> (Temminck and Schlegel, 1845)	Kagamidai	01639	2021/06/17	Shizugawa Bay
105		<i>Zeus faber</i> Linnaeus, 1758	Matodai	01740	2021/09/03	Shizugawa Bay, Off Tomari Hama
106				01815	2021/11/04	Shizugawa Bay
107	Aulorhynchidae	<i>Aulicthys japonicus</i> Brevoort, 1862	Kudayagara	01529	2021/01/13	Shizugawa Bay, Kappa-zawa
108				01530	2021/01/13	Shizugawa Bay, Kappa-zawa
109				01531	2021/01/13	Shizugawa Bay, Kappa-zawa
110				01532	2021/01/13	Shizugawa Bay, Kappa-zawa
111				01760	2021/10/11	Shizugawa Bay, Oritate
112				02345	2023/06/06	Shizugawa Bay, Sode Hama beach
113	Fistulariidae	<i>Fistularia commersonii</i> Ruppell, 1838	Aoyagara	01762	2021/10/11	Shizugawa Bay, Oritate
114				02441	2023/07/26	Shizugawa Bay, Kamiwari-zaki
115	Syngnathidae	<i>Dorythamphus (Dorythamphus) japonicus</i> Araga and Yoshino, 1975	Nokogiriyoji	01127	2019/11/13	Shizugawa Bay, Shirane
116		<i>Hippocampus haema</i> Han, Kim, Kai and Senou, 2017	Himetatsu	01892	2022/03/14	Shizugawa Bay, Kappa-zawa
117				01893	2022/03/14	Shizugawa Bay, Kappa-zawa
118				02245	2023/04/14	Shizugawa Bay, Tsubaki-shima Islet
119				02246	2023/04/14	Shizugawa Bay, Tsubaki-shima Islet
120				02430	2023/07/21	Shizugawa Bay, Kappa-zawa
121				02507	2023/10/13	Shizugawa Bay, The Mouth of Mitobe river
122				02508	2023/10/13	Shizugawa Bay, The Mouth of Mitobe river
123		<i>Hippocampus mohnikei</i> Bleeker, 1853	Sangotatsu	02049	2022/06/20	Shizugawa Bay, Oritate
124		<i>Hippocampus</i> sp.		00315	2013/06/18	Shizugawa Bay
125				02219	2023/03/30	Shizugawa Bay, Sode Hama beach
126				02234	2023/04/06	Shizugawa Bay, Are-Shima Islet (west)
127		<i>Syngnathus schlegelii</i> Kaup, 1853	Yojiuo	02461	2023/07/27	Shizugawa Bay, The Mouth of Mitobe river
128				00132	2012/08/15	Shizugawa Bay, Take-shima Islet
129				00832	2014/11/20	Shizugawa Bay, Tsubaki-shima Islet
130				01524	2020/12/18	Shizugawa Bay, Tomarihama Fishing Port No.2
131				01533	2021/01/13	Shizugawa Bay, Kappa-zawa
132		<i>Urocampus nanus</i> Günther, 1870	Okuyoji	02121	2022/09/22	Shizugawa Bay, Sode Hama beach
133				02429	2023/07/21	Shizugawa Bay, Kappa-zawa
134				02553	2023/10/05	Shizugawa Bay, Kappa-zawa
135				02609	2023/12/20	Shizugawa Bay, Shizugaw Fishing Port

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
136	Mugilidae	<i>Mugil cephalus cephalus</i> Linnaeus, 1758	Bora	00907	2018/06/05	Downstream of Hachiman River, Vicinity of Crisis Management Department
137				01190	2020/05/08	Shizugawa Bay, Oritate
138				01196	2020/05/08	Shizugawa Bay, Oritate
139				01570	2021/04/28	Shizugawa Bay, Oritate
140	Atherinidae	<i>Doboatherina bleekeri</i> (Günther, 1861)	Togoroiwashi	01616	2021/05/30	Shizugawa Bay, Oritate
141				02092	2022/08/20	Hachiman River
142				02493	2023/04/04	Shizugawa Bay, Shizugawa Fishing Port
143				02068	2022/07/26	Shizugawa Bay, The Mouth of Miobe river
144	Hemiramphidae	<i>Hyporhamphus sajori</i> (Temminck and Schlegel, 1846)	Sayori	02203	2023/02/21	Shizugawa Bay
145				02356	2023/06/07	Shizugawa Bay, Sode Hama beach
146				02462	2023/07/27	Shizugawa Bay, The Mouth of Miobe river
147				00435	2014/08/22	Shizugawa Bay, Sugane
148	Exocoetidae	<i>Chelipogon pinnatibarbus japonicus</i> (Franz, 1910)	Hamatobino	01638	2021/06/17	Shizugawa Bay
149				01685	2021/08/06	Shizugawa Bay, Off No-jima
150				00894	2017/01/28	Shizugawa Bay, Off Tsubaki-shima
151				02513	2023/10/25	Shizugawa Bay, Off Tomari Hama
152	Scorpaenidae	<i>Scorpaenodes evides</i> (Jordan and Thompson, 1914)	Isokasago	02535	2023/11/09	Shizugawa Bay, Shirane
153				01496	2020/11/23	Shizugawa Bay, Off Hotel-Kanyou
154				01527	2021/01/13	Shizugawa Bay, Kappa-zawa
155				01495	2020/11/23	Shizugawa Bay, Off Hotel-Kanyou
156	Sebastidae	<i>Sebastes hubbsi</i> (Matsubara, 1937)	Yoroimebaru	01503	2020/11/26	Shizugawa Bay, Takihama Fishing Port
157				01528	2021/01/13	Shizugawa Bay, Kappa-zawa
158				01834	2021/12/15	Shizugawa Bay, Off Tsubaki shima Islet.
159				01859	2022/01/06	Shizugawa Bay, Sode Hama beach
160	Sebastidae	<i>Sebastes oblongus</i> Günther, 1877	Takenokomebaru	01097	2018/06/04	Shizugawa Bay, Off Tomari Hama
161				01494	2020/11/01	Shizugawa Bay
162				01637	2021/06/17	Shizugawa Bay
163				01806	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
164	Sebastidae	<i>Sebastes taczanowskii</i> Steindachner, 1880	Ezomebaru	02214	2023/01/30	Shizugawa Bay, Off Funagata-jima
165				02215	2023/01/30	Shizugawa Bay, Off Funagata-jima
166				00852	2015/06/07	Shizugawa Bay, Off of Tomarizaki
167				02217	2023/01/30	Shizugawa Bay, Off Funagata-jima
168	Sebastidae	<i>Sebastes ventriosus</i> Temminck and Schlegel, 1843	Kuronebaru	02514	2023/10/25	Shizugawa Bay, Off Tomari Hama
169				01432	2020/10/13	Shizugawa Bay, Off Tomari Hama
170				01636	2021/06/17	Shizugawa Bay
171				01642	2021/06/17	Shizugawa Bay, Off Tomari Hama
172	Synanceiidae	<i>Sebastiscus marmoratus</i> (Cuvier, 1829)	Kasago	02515	2023/10/25	Shizugawa Bay, Off Tomari Hama
173				01028	2018/11/14	Shizugawa Bay, Off Tomari Hama
174				00191	2013/01/16	Shizugawa Bay, Tsubaki-shima Islet
175				00594	2014/01/22	Shizugawa Bay, Tsubaki-shima Islet
176	Tetraodontidae	<i>Paracentropogon rubripinnis</i> (Temminck and Schlegel, 1843)	Haokoze	01808	2021/11/11	Shizugawa Bay, Off Tsubaki shima Islet.
177				01809	2021/11/11	Shizugawa Bay, Off Tsubaki shima Islet.
178				01836	2021/12/15	Shizugawa Bay, Off Tsubaki shima Islet.
179				01764	2021/10/11	Shizugawa Bay, Oritate
180	Triglidae	<i>Chelidonichthys spinosus</i> (McClelland, 1843)	Hobo	01820	2021/10/11	Shizugawa Bay, Oritate
181				02168	2022/11/17	Shizugawa Bay, Sode Hama beach
182				00508	2013/11/05	Shizugawa Bay, Utsu
183				01467	2020/11/06	Shizugawa Bay, Off No-jima
184	Platycephalidae	<i>Platycephalus</i> sp. 2	Magochi	01468	2020/11/06	Shizugawa Bay, Off No-jima
185				02113	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
186				00522	2013/12/05	Shizugawa Bay
187				01348	2020/08/26	Shizugawa Bay, Funagatajima
188	Hexagrammidae	<i>Hexagrammos agrammus</i> (Temminck and Schlegel, 1843)	Kujime	02123	2022/09/22	Shizugawa Bay, Sode Hama beach
189				00319	2013/06/24	Shizugawa Bay, Old Shizugawa harbor
190				00523	2013/12/05	Shizugawa Bay

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
191				02342	2023/06/06	Shizugawa Bay, Sode Hama beach
192				01187	2020/05/08	Shizugawa Bay, Oritate
193				01188	2020/05/08	Shizugawa Bay, Oritate
194				01504	2020/11/26	Shizugawa Bay, Takihama Fishing Port
195		<i>Pleurogrammus azonus</i> Jordan and Metz, 1913	Hokke	01204	2020/05/11	Shizugawa Bay, Takeshima-kita
196				01205	2020/05/11	Shizugawa Bay, Takeshima-kita
197	Rhamphocottidae			00036	2003/09/04	Shizugawa Bay, Shirane
198		<i>Rhamphocottus nagaaki</i> Munehana, Yamazaki and Tsuruoka, 2022	Kuchibashikajika	00071	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
199				00851	2013/08/13	Shizugawa Bay, South of Shirane
200				01489	2019/11/13	Shizugawa Bay, Shirane
201	Hemirhamphidae			00879	2018/04/05	Shizugawa Bay, Hayashi Keta
202		<i>Blepsias cirrhosus</i> (Pallas, 1814)	Isobatengu	02173	2022/11/17	Shizugawa Bay, Sode Hama beach
203				02190	2023/01/05	Shizugawa Bay, Kappa-zawa
204				02248	2023/04/06	Shizugawa Bay, Are-Shima Islet. (west)
205				00524	2013/12/05	Shizugawa Bay
206		<i>Hemirhamphus villosus</i> (Pallas, 1814)	Kemushikajika	00860	2016/01/28	Shizugawa Bay, No-jima Islet
207		<i>Nautichthys pribilovius</i> (Jordan and Gilbert, 1898)	Okozekajika	00370	2013/08/13	Shizugawa Bay, South of Shirane
208	Cottidae	<i>Alcichthys elongatus</i> (Steindachner, 1881)	Nijikajika	02218	2023/01/30	Shizugawa Bay
209				02408	2023/06/20	Shizugawa Bay, Off No-jima
210		<i>Asrocottus matusubarae</i> Katayama, 1942	Setokajika	00895	2017/01/29	Shizugawa Bay, Off Tsubaki-shima
211				01483	2020/11/18	Shizugawa Bay, Tsubaki-shima Islet.
212		<i>Bero elegans</i> (Steindachner, 1881)	Bero	02401	2023/07/03	Shizugawa Bay, Sode Hama beach
213		<i>Coitus reinii</i> Hilgendorf, 1879	Utsusumikajika	00912	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
214				00792	2014/09/07	Iriya, Taraba-gawa R.
215		<i>Furcina ishikawae</i> Jordan and Starks, 1904	Sarasakajika	00041	2005/11/16	Shizugawa Bay, Kappa-zawa
216				00050	2008/06/20	Shizugawa Bay, Sakamoto
217				00074	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
218				00115	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
219				00118	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
220				00368	2013/08/13	Shizugawa Bay, South of Shirane
221				00369	2013/08/14	Shizugawa Bay, North of No-jima Islet
222				01547	2020/02/10	Shizugawa Bay, Off U-Shima Islet.
223				01340	2020/08/26	Shizugawa Bay, Funagatajima
224				01341	2020/08/26	Shizugawa Bay, Funagatajima
225				01534	2021/01/13	Shizugawa Bay, Kappa-zawa
226				01576	2021/04/28	Shizugawa Bay, Oritate
227				01593	2021/05/01	Shizugawa Bay, Oritate
228		<i>Furcina osimae</i> Jordan and Starks, 1904	Kinukajika	00017	2001/10/25	Shizugawa Bay, Vicinity of Take-shima Islet
229				01220	2020/05/15	Shizugawa Bay, Kappa-zawa
230				01342	2020/08/26	Shizugawa Bay, Funagatajima
231				01343	2020/08/26	Shizugawa Bay, Funagatajima
232				02375	2023/06/19	Shizugawa Bay, Terahama
233		<i>Gymnocanthus intermedius</i> (Temminck and Schlegel, 1843)	Aikajika	01043	2019/02/15	Shizugawa Bay, North of Takei-shima Islet., Raft of Culturing Oyster
234				02355	2023/06/07	Shizugawa Bay, Sode Hama beach
235		<i>Icelinus japonicus</i> Yabe, Tsumura and Katayama, 1980	Futasujikajika	01894	2022/03/14	Shizugawa Bay, Kappa-zawa
236				01902	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
237				02183	2022/12/06	Shizugawa Bay, Sode Hama beach
238		<i>Icelinus pletschi</i> Yabe, Soma and Amaoka, 2001	Himefutasujikajika	00088	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
239				00124	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
240				00371	2013/08/13	Shizugawa Bay, South of Shirane
241				00817	2014/09/19	Shizugawa Bay, Tsubaki-shima Islet
242				00861	2016/01/28	Shizugawa Bay, No-jima Islet
243				01050	2018/10/05	Shizugawa Bay, Kara-shima Islet.
244				01546	2020/02/10	Shizugawa Bay, Off U-Shima Islet.
245				02142	2022/10/04	Shizugawa Bay, Kappa-zawa

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
246				02542	2023/11/09	Shizugawa Bay, Shirane
247		<i>Icelus mororanis</i> (Jordan and Seale, 1906)	Usujirikajika	00865	2016/03/04	Shizugawa Bay, southern east of No-jima Islet
248		<i>Myoxocephalus stelleri</i> Tilesius, 1811	Gisukajika	00267	2013/05/26	Shizugawa Bay, Kappa-zawa
249				00645	2014/05/14	Shizugawa Bay, Hosoura
250				01572	2021/04/28	Shizugawa Bay, Oritate
251				01895	2022/03/14	Shizugawa Bay, Kappa-zawa
252				01922	2022/03/29	Shizugawa Bay, Kappa-zawa
253		<i>Myoxocephalus</i> sp.		01923	2022/03/29	Shizugawa Bay, Kappa-zawa
254		<i>Oymnetes modestus</i> Snyder, 1911	Mutsukajika	02374	2023/06/20	Shizugawa Bay, Tatehama
255		<i>Porocottus allisi</i> (Jordan and Starks, 1904)	Fusakajika	00047	2008/02/29	Shizugawa Bay, Kappa-zawa
256				01416	2020/10/07	Shizugawa Bay, Kappa-zawa
257				01887	2022/03/04	Shizugawa Bay, Kappa-zawa
258				01888	2022/03/04	Shizugawa Bay, Kappa-zawa
259				01889	2022/03/04	Shizugawa Bay, Kappa-zawa
260				01921	2022/03/29	Shizugawa Bay, Kappa-zawa
261		<i>Pseudobleminius cottoides</i> (Richardson, 1848)	Asahianahaze	00066	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
262				00108	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
263				00372	2013/08/13	Shizugawa Bay, South of Shirane
264				00482	2013/09/23	Vicinity of river mouth of Hatiman-gawa R.
265				00642	2014/05/14	Shizugawa Bay, Hosoura
266				01417	2020/10/07	Shizugawa Bay, Kappa-zawa
267				01606	2021/05/19	Shizugawa Bay, Kappa-zawa
268				01630	2021/06/10	Shizugawa Bay
269				02243	2023/04/11	Shizugawa Bay, Off No-jima
270				02364	2023/06/10	Shizugawa Bay, Off Tomari Hama
271		<i>Pseudobleminius</i> sp. 2	Kirmanahaze	00994	2018/07/12	Shizugawa Bay, Kappazawa
272				00989	2018/07/25	Shizugawa Bay, Kappazawa
273				01525	2020/12/14	Shizugawa Bay, Off Tomari Hama
274		<i>Radulinopsis derjavini</i> Soldatov and Lindberg, 1930	Yasekajika	00012	2001/10/25	Shizugawa Bay, Vicinity of Take-shima Islet
275				01051	2018/10/05	Shizugawa Bay, Kara-shima Islet.
276				01920	2022/03/29	Shizugawa Bay, Kappa-zawa
277				02182	2022/12/06	Shizugawa Bay, Sode Hama beach
278				02344	2023/06/06	Shizugawa Bay, Sode Hama beach
279				00099	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
280				00131	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
281				00184	2013/01/16	Shizugawa Bay, Tsubaki-shima Islet
282				00276	2013/05/26	Shizugawa Bay, Kappa-zawa
283	Agonidae	<i>Ocella iburia</i> (Jordan and Starks, 1904)	Saburo	00987	2018/06/18	Shizugawa Bay, Off Tomari Hama
284				02043	2022/06/15	Shizugawa Bay, Off Tomari Hama
285				02253	2023/05/12	Shizugawa Bay, Off Matsuzaki
286				00519	2013/11/28	Shizugawa Bay
287				01629	2019/06/06	Shizugawa Bay, Off Tomari Hama
288		<i>Aplocyclus ventricosus</i> (Pallas, 1769)	Hoteiuo	01161	2020/04/12	Shizugawa Bay, Off Mitobe Fishing Port
289				02225	2023/01/30	Shizugawa Bay, Off Funagata-jima
290				00661	2014/05/27	Shizugawa Bay
291		<i>Eumicrotremus awae</i> (Jordan and Snyder, 1902)	Dangoo	00885	2007/05/25	Shizugawa Bay, Off Tsubaki-shima
292				00080	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
293				00119	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
294				00120	2012/08/15	Shizugawa Bay, Take-shima Islet
295				00557	2014/01/21	Shizugawa Bay, Tsubaki-shima Islet
296				00857	2015/09/04	Shizugawa Bay, Off No-jima
297				00858	2015/09/04	Shizugawa Bay, Off No-jima
298				00864	2016/03/04	Shizugawa Bay, southern east of No-jima Islet
299				00887	2016/03/04	Shizugawa Bay, Off No-jima
300				00886	2016/11/24	Shizugawa Bay, Off Tsubaki-shima

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
301				00880	2018/02/23	Shizugawa Bay, Off No-jima
302				01048	2018/10/05	Shizugawa Bay, Kara-shima Islet.
303				01036	2019/01/10	Shizugawa Bay, Off U-Shima Islet.
304				01873	2022/01/24	Shizugawa Bay, Shirane (South)
305				01874	2022/01/24	Shizugawa Bay, Shirane (South)
306				02171	2022/11/17	Shizugawa Bay, Sode Hama beach
307				02396	2023/06/28	Shizugawa Bay, Off No-jima (West)
308	Liparidae	<i>Liparis punctulatus</i> (Tanaka, 1916)	Sunabikunin	01713	2021/08/27	Shizugawa Bay, Shirane
309				01886	2022/02/09	Shizugawa Bay, Sakune
310				01903	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
311				01915	2022/3/23	Shizugawa Bay
312				01932	2022/04/03	Shizugawa Bay
313				02045	2022/06/15	Shizugawa Bay, Off Tomari Hama
314				02179	2022/11/28	Shizugawa Bay
315				02200	2023/01/11	Shizugawa Bay, Off Arato Fishing Port
316				02201	2023/01/23	Shizugawa Bay
317				02202	2023/01/23	Shizugawa Bay
318				02285	2023/05/26	Shizugawa Bay, Togura
319				02377	2023/06/27	Shizugawa Bay, Togura
320				00027	2002/08/09	Shizugawa Bay, Tsubaki-shima Islet
321				00058	2008/02/19	Shizugawa Bay, Tsubaki-shima Islet
322				00863	2016/01/27	Shizugawa Bay, Tsubaki-shima Islet, oyster farm
323				00598	2014/01/24	Shizugawa Bay
324				00602	2014/01/30	Shizugawa Bay
325				00603	2014/02/07	Shizugawa Bay
326				00604	2014/02/21	Shizugawa Bay
327		<i>Liparis tanakae</i> (Gilbert and Burke, 1912)	Kusauo	01811	2021/11/04	Shizugawa Bay, Off Hadenya Fishing Port
328				01812	2021/11/04	Shizugawa Bay, Off Hadenya Fishing Port
329				01813	2021/11/04	Shizugawa Bay, Off Hadenya Fishing Port
330				02044	2022/06/15	Shizugawa Bay, Off Tomari Hama
331				02590	2023/11/15	Shizugawa Bay
332		<i>Liparis tessellatus</i> (Gilbert and Burke, 1912)	Bikunin	00525	2013/12/10	Shizugawa Bay, Vicinity of hotel kanyo
333	Dactylopteridae	<i>Daicocis peterseni</i> (Nyström, 1887)	Hoshisemihobo	00830	2014/11/08	Shizugawa Bay
334		<i>Dactyloptena orientalis</i> (Cuvier, 1829)	Semihobo	01779	2021/10/15	Shizugawa Bay, Off Tomari Hama
335				01828	2021/12/03	Shizugawa Bay, Off Tomari Hama
336	Lateolabridae	<i>Lateolabrax japonicus</i> (Cuvier, 1828)	Suzuki	00502	2013/10/29	Shizugawa Bay, Sugane
337	Stereolepididae	<i>Stereolepis doederleini</i> Lindberg and Krasnyukova, 1969	Okuchiishinagi	02216	2023/01/30	Shizugawa Bay, Off Funagata-jima
338	Epinephelidae	<i>Epinephelus areolatus</i> (Forsskål, 1775)	Omonhata	02596	2023/12/04	Shizugawa Bay, The Mouth of Hachiman river
339		<i>Epinephelus bruneus</i> Bloch, 1793	Kue	02589	2023/11/15	Shizugawa Bay, Tomarihama Fishing Port
340		<i>Epinephelus fasciatus</i> (Forsskål, 1775)	Akahata	02512	2023/10/25	Shizugawa Bay, Off Tomari Hama
341				02601	2023/12/08	Shizugawa Bay, Off Tsubaki shima Islet.
342	Serranidae	<i>Pseudanthias squamipinnis</i> (Peters, 1855)	Kingyohanadai	02543	2023/11/09	Shizugawa Bay, Shirane
343		<i>Micropterus nigricans</i> (Cuvier, 1828)	Okuchibasu	02284	2023/05/26	Bayside-Arena Reservoir
344				02381	2023/06/26	Isatomae river, downstream
345				02382	2023/06/26	Isatomae river, downstream
346				02383	2023/06/26	Isatomae river, downstream
347				02384	2023/06/26	Isatomae river, downstream
348				02385	2023/06/26	Isatomae river, downstream
349	Priacanthidae	<i>Priacanthus blochii</i> Bleeker, 1853	Akanekintoki	02603	2023/12/09	Shizugawa Bay, Off No-jima
350		<i>Priacanthus macracanthus</i> Cuvier, 1829	Kintokidai	01101	2018/10/31	Shizugawa Bay, Off Tomari Hama
351				01126	2019/11/08	Shizugawa Bay, Off Tomari Hama
352				01787	2021/10/29	Shizugawa Bay, Off Tomari Hama
353				01800	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
354		<i>Pristigaster niphotia</i> (Cuvier, 1829)	Kurumadai	02583	2023/11/10	Shizugawa Bay, Off Arato
355		<i>Priacanthus</i> sp.		01232	2019/08/30	Shizugawa Bay, Off Tomari Hama

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
356	Apogonidae	<i>Gymnapogon japonicus</i> Regan, 1905	Kudaribozugisu	01999	2022/06/05	Shizugawa Bay, The Mouth of Miotoe river
357				02000	2022/06/05	Shizugawa Bay, The Mouth of Miotoe river
358				02012	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
359				02013	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
360				02014	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
361				02015	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
362				02287	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
363				02288	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
364				02293	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
365				02294	2022/06/14	Shizugawa Bay, The Mouth of Miotoe river
366				02019	2022/06/15	Shizugawa Bay, The Mouth of Miotoe river
367				02020	2022/06/15	Shizugawa Bay, The Mouth of Miotoe river
368				02021	2022/06/15	Shizugawa Bay, The Mouth of Miotoe river
369				02022	2022/06/15	Shizugawa Bay, The Mouth of Miotoe river
370				02313	2022/06/15	Shizugawa Bay, The Mouth of Miotoe river
371				02314	2022/06/15	Shizugawa Bay, The Mouth of Miotoe river
372				02290	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
373				02291	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
374				02297	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
375				02298	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
376				02300	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
377				02301	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
378				02303	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
379				02304	2022/06/27	Shizugawa Bay, The Mouth of Miotoe river
380				02295	2022/07/15	Shizugawa Bay, The Mouth of Miotoe river
381				02296	2022/07/15	Shizugawa Bay, The Mouth of Miotoe river
382				02306	2022/07/15	Shizugawa Bay, The Mouth of Miotoe river
383				02307	2022/07/15	Shizugawa Bay, The Mouth of Miotoe river
384				02309	2022/07/15	Shizugawa Bay, The Mouth of Miotoe river
385				02311	2022/07/15	Shizugawa Bay, The Mouth of Miotoe river
386				02085	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
387				02086	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
388				02087	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
389				02315	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
390				02316	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
391				02317	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
392				02318	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
393				02319	2022/08/18	Shizugawa Bay, The Mouth of Miotoe river
394				02163	2022/11/17	Shizugawa Bay, Sode Hama beach
395				02164	2022/11/17	Shizugawa Bay, Sode Hama beach
396				02320	2023/05/08	Shizugawa Bay, The Mouth of Miotoe river
397				02321	2023/05/08	Shizugawa Bay, The Mouth of Miotoe river
398				02322	2023/05/08	Shizugawa Bay, The Mouth of Miotoe river
399				02323	2023/05/08	Shizugawa Bay, The Mouth of Miotoe river
400				02324	2023/05/11	Shizugawa Bay, The Mouth of Miotoe river
401				02327	2023/06/06	Shizugawa Bay, Sode Hama beach
402				02328	2023/06/06	Shizugawa Bay, Sode Hama beach
403				02329	2023/06/06	Shizugawa Bay, Sode Hama beach
404				02330	2023/06/06	Shizugawa Bay, Sode Hama beach
405				02331	2023/06/07	Shizugawa Bay, Sode Hama beach
406				02332	2023/06/07	Shizugawa Bay, Sode Hama beach
407				02333	2023/06/07	Shizugawa Bay, Sode Hama beach
408				02334	2023/06/07	Shizugawa Bay, Sode Hama beach
409				02335	2023/06/07	Shizugawa Bay, Sode Hama beach
410				02336	2023/06/07	Shizugawa Bay, Sode Hama beach

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
411				02337	2023/06/07	Shizugawa Bay, Sode Hama beach
412				02338	2023/06/07	Shizugawa Bay, Sode Hama beach
413				02339	2023/06/07	Shizugawa Bay, Sode Hama beach
414				02340	2023/06/07	Shizugawa Bay, Sode Hama beach
415				02341	2023/06/07	Shizugawa Bay, Sode Hama beach
416				02409	2023/07/03	Shizugawa Bay, Sode Hama beach
417				02410	2023/07/03	Shizugawa Bay, Sode Hama beach
418				02411	2023/07/03	Shizugawa Bay, Sode Hama beach
419				02418	2023/07/21	Shizugawa Bay, Kappa-zawa
420				02419	2023/07/21	Shizugawa Bay, Kappa-zawa
421				02420	2023/07/21	Shizugawa Bay, Kappa-zawa
422				02421	2023/07/21	Shizugawa Bay, Kappa-zawa
423				02422	2023/07/21	Shizugawa Bay, Kappa-zawa
424				02423	2023/07/21	Shizugawa Bay, Kappa-zawa
425				02424	2023/07/21	Shizugawa Bay, Kappa-zawa
426				02425	2023/07/21	Shizugawa Bay, Kappa-zawa
427				02426	2023/07/21	Shizugawa Bay, Kappa-zawa
428				02427	2023/07/21	Shizugawa Bay, Kappa-zawa
429				02428	2023/07/21	Shizugawa Bay, Kappa-zawa
430				02450	2023/07/26	Shizugawa Bay, Kamiwari-zaki
431				02451	2023/07/26	Shizugawa Bay, Kamiwari-zaki
432				02452	2023/07/26	Shizugawa Bay, Kamiwari-zaki
433				02453	2023/07/26	Shizugawa Bay, Kamiwari-zaki
434				02454	2023/07/26	Shizugawa Bay, Kamiwari-zaki
435				02455	2023/07/26	Shizugawa Bay, Kamiwari-zaki
436				02456	2023/07/26	Shizugawa Bay, Kamiwari-zaki
437				02457	2023/07/26	Shizugawa Bay, Kamiwari-zaki
438				02458	2023/07/26	Shizugawa Bay, Kamiwari-zaki
439				02459	2023/07/26	Shizugawa Bay, Kamiwari-zaki
440				02460	2023/07/26	Shizugawa Bay, Kamiwari-zaki
441				02563	2023/10/05	Shizugawa Bay, Kappa-zawa
442				02564	2023/10/05	Shizugawa Bay, Kappa-zawa
443				02565	2023/10/05	Shizugawa Bay, Kappa-zawa
444				02566	2023/10/05	Shizugawa Bay, Kappa-zawa
445				02567	2023/10/05	Shizugawa Bay, Kappa-zawa
446				02568	2023/10/05	Shizugawa Bay, Kappa-zawa
447				02569	2023/10/05	Shizugawa Bay, Kappa-zawa
448				02570	2023/10/05	Shizugawa Bay, Kappa-zawa
449				02571	2023/10/05	Shizugawa Bay, Kappa-zawa
450		<i>Ostorhinchus doederleinii</i> (Jordan and Snyder, 1901)	Osujiishimochi	01014	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
451				01052	2018/10/05	Shizugawa Bay, Kara-shima Islet.
452				01712	2021/08/27	Shizugawa Bay, Shirane
453		<i>Ostorhinchus semilineatus</i> (Temminck and Schlegel, 1843)	Nembutsudai	01790	2021/10/29	Shizugawa Bay, Off Tomari Hama
454				01801	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
455				02537	2023/11/09	Shizugawa Bay, Shirane
456	Scombroideae	<i>Scombroys boops</i> (Houttuyn, 1782)	Mutsu	01469	2020/11/06	Shizugawa Bay, Off No-jima
457				01470	2020/11/06	Shizugawa Bay, Off No-jima
458				01471	2020/11/06	Shizugawa Bay, Off No-jima
459	Echeneidae	<i>Phtheichthys lineatus</i> (Menzies, 1791)	Sujikoban	00503	2013/11/01	Shizugawa Bay, Sugane
460				01434	2020/09/29	Shizugawa Bay, Off Tomari Hama
461	Coryphaenidae	<i>Coryphaena hippurus</i> Linnaeus, 1758	Shiira	01422	2020/10/15	Shizugawa Bay, Off Tomari Hama
462				01423	2020/10/15	Shizugawa Bay, Off Tomari Hama
463				01788	2021/10/29	Shizugawa Bay, Off Tomari Hama
464		<i>Alectis ciliaris</i> (Bloch, 1787)	Itohikiagi	01100	2018/10/31	Shizugawa Bay, Off Tomari Hama
465	Carangidae			01455	2020/11/06	Shizugawa Bay, Off Arato

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
466				01795	2021/11/04	Shizugawa Bay, Off Hayashi Fishing Port
467		<i>Atropus</i> sp.	Yoroiaji sp.	00490	2013/09/12	Shizugawa Bay
468				01681	2021/06/15	Shizugawa Bay, Off Tomari Hama
469				01794	2021/10/29	Shizugawa Bay, Off Tomari Hama
470				02584	2023/11/10	Shizugawa Bay, Off Arato
471	118	<i>Caranx sexfasciatus</i> Quoy and Gaimard, 1825	Gingameaji	02602	2023/12/09	Shizugawa Bay
472	119	<i>Decapterus muroadsi</i> (Temminck and Schlegel, 1844)	Muroaji	01793	2021/10/29	Shizugawa Bay, Off Tomari Hama
473	120	<i>Kaivarinus equula</i> (Temminck and Schlegel, 1844)	Kaiwari	00472	2013/09/11	Shizugawa Bay, Sugane
474				01805	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
475	121	<i>Naucrates ductor</i> (Linnaeus, 1758)	Burimodoki	01235	2019/07/29	Shizugawa Bay, Off Tomari Hama
476				02405	2023/07/05	Shizugawa Bay, Off No-jima
477	122	<i>Scomberoides tol</i> (Cuvier, 1832)	Minamikekatsuo	01792	2021/10/29	Shizugawa Bay, Off Tomari Hama
478				02494	2023/04/04	Shizugawa Bay, Shizugawa Fishing Port
479	123	<i>Selar crumenophthalmus</i> (Bloch, 1793)	Meaji	00516	2013/11/07	Shizugawa Bay
480	124	<i>Seriola aureovittata</i> Temminck and Schlegel, 1845	Hiramasa	02511	2023/10/12	Shizugawa Bay, Off No-jima
481	125	<i>Seriola dumerilii</i> (Risso, 1810)	Kampachi	00993	2018/07/12	Shizugawa Bay, Off Tomari Hama
482				01424	2020/10/15	Shizugawa Bay, Off Tomari Hama
483	126	<i>Seriola quinqueradiata</i> Temminck and Schlegel, 1845	Buri	01641	2021/06/17	Shizugawa Bay
484				01686	2021/08/06	Shizugawa Bay, Off No-jima
485	127	<i>Seriola nigrofasciata</i> (Rüppell, 1829)	Aiburi	02532	2023/10/25	Shizugawa Bay, Off No-jima
486	128	<i>Trachurus japonicus</i> (Temminck and Schlegel, 1844)	Maaji	00468	2013/09/09	Shizugawa Bay, Sugane
487				01453	2020/11/06	Shizugawa Bay, Off Arato
488				01461	2020/11/06	Shizugawa Bay, Off No-jima
489				00509	2013/11/05	Shizugawa Bay, Uatsu
490	129	<i>Nuchequila nuchalis</i> (Temminck and Schlegel, 1845)	Hiragi	01791	2021/10/29	Shizugawa Bay, Off Tomari Hama
491	130	<i>Lutjanus russellii</i> (Bleeker, 1849)	Kurohoshifuedai	01818	2021/11/05	Shizugawa Bay, Off Tomari Hama
492	131	<i>Lutjanus stellatus</i> Akazaki, 1983	Fuedai	02472	2023/10/1	Shizugawa Bay, The mouth of Nagashizu river
493	132	<i>Gerres equulus</i> Temminck and Schlegel, 1844	Kurosagi	02501	2023/10/13	Shizugawa Bay, The Mouth of Miotoe river
494				02502	2023/10/13	Shizugawa Bay, The Mouth of Miotoe river
495				02503	2023/10/13	Shizugawa Bay, The Mouth of Miotoe river
496				02504	2023/10/13	Shizugawa Bay, The Mouth of Miotoe river
497				02598	2023/12/06	Shizugawa Bay
498	133	<i>Parapristipoma trilineatum</i> (Thunberg, 1793)	Isaki	01802	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
499	134	<i>Acanthopagrus schlegelii</i> (Bleeker, 1854)	Kurodai	01757	2021/10/11	Shizugawa Bay, Oritate
500				02069	2022/07/26	Shizugawa Bay, The Mouth of Miotoe river
501				02115	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
502	135	<i>Eymnis tumifrons</i> (Temminck and Schlegel, 1843)	Chidai	01464	2020/11/06	Shizugawa Bay, Off No-jima
503				01465	2020/11/06	Shizugawa Bay, Off No-jima
504				01466	2020/11/06	Shizugawa Bay, Off No-jima
505	136	<i>Pagrus major</i> (Temminck and Schlegel, 1843)	Madai	00517	2013/11/14	Shizugawa Bay
506				00981	2018/06/14	Shizugawa Bay, Off Tomari Hama
507				01462	2020/11/06	Shizugawa Bay, Off No-jima
508				01463	2020/11/06	Shizugawa Bay, Off No-jima
509				01526	2020/11/06	Shizugawa Bay, Off No-jima
510	137	<i>Nibea mitsukurii</i> (Jordan and Snyder, 1900)	Nibe	01826	2021/12/06	Shizugawa Bay, Off Biwazaki
511	138	<i>Pennahia argentata</i> (Houttuyn, 1782)	Shiroguchi	00501	2013/10/29	Shizugawa Bay, Sugane
512				01825	2021/12/06	Shizugawa Bay, Off Biwazaki
513	139	<i>Sillago japonica</i> Temminck and Schlegel, 1843	Shirogisu	01798	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
514				02166	2022/11/17	Shizugawa Bay, Sode Hama beach
515				02555	2023/10/05	Shizugawa Bay, Kappa-zawa
516				02505	2023/10/13	Shizugawa Bay, The Mouth of Miotoe river
517				02506	2023/10/13	Shizugawa Bay, The Mouth of Miotoe river
518	140	<i>Parupeneus chrysopleuron</i> (Temminck and Schlegel, 1843)	Umihigoi	01807	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
519	141	<i>Parupeneus indicus</i> (Shaw, 1803)	Kobanhimeji	02554	2023/10/05	Shizugawa Bay, Kappa-zawa
520				02575	2023/10/05	Shizugawa Bay, Kappa-zawa

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
521	Pempheidae	<i>Upeneus japonicus</i> (Houttuyn, 1782)	Himeji	01080	2019/08/27	Shizugawa Bay, Kappa-zawa
522				01783	2021/10/27	Shizugawa Bay, Off Tonari Hama
523				02089	2022/08/18	Shizugawa Bay, The Mouth of Mitobe river
524				02114	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
525	Chaetodontidae	<i>Pempheris schwenkii</i> Bleeker, 1855 <i>Chaetodon auriga</i> Forsskål, 1775	Minamihatampo Togetochouo	02538	2023/11/09	Shizugawa Bay, Shirane
526				02478	2023/09/21	Shizugawa Bay, Sode Hama beach
527				02479	2023/09/21	Shizugawa Bay, Sode Hama beach
528				02556	2023/10/05	Shizugawa Bay, Kappa-zawa
529		<i>Chaetodon auripes</i> Jordan and Snyder, 1901	Chochoo	02576	2023/10/05	Shizugawa Bay, Kappa-zawa
530				01803	2021/11/04	Shizugawa Bay, Off Tsubaki shima Islet.
531				02399	2023/07/02	Shizugawa Bay, Oriate
532				02477	2023/09/21	Shizugawa Bay, Sode Hama beach
533				02557	2023/10/05	Shizugawa Bay, Kappa-zawa
534				02558	2023/10/05	Shizugawa Bay, Kappa-zawa
535				02559	2023/10/05	Shizugawa Bay, Kappa-zawa
536				02577	2023/10/05	Shizugawa Bay, Kappa-zawa
537		<i>Chaetodon nippon</i> Steindachner and Döderlein, 1883 <i>Hemichius diphleutes</i> Jordan, 1903	Shirakodai Murehatatatedai	02578	2023/10/05	Shizugawa Bay, Kappa-zawa
538				01132	2019/11/13	Shizugawa Bay, Shirane
539				01436	2020/10/13	Shizugawa Bay, Off Tonari Hama
540				01491	2020/11/07	Shizugawa Bay, Off Mitobe Fishing Port
541	Pomacentridae	<i>Chaetodontoplus septentrionalis</i> (Temminck and Schlegel, 1844) <i>Evisitas acutirostris</i> (Temminck and Schlegel, 1844)	Kinchakudai Tengidai	01015	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
542				01096	2018/06/04	Shizugawa Bay, Off Tonari Hama
543				01236	2018/06/04	Shizugawa Bay, Off Tonari Hama
544				02361	2023/06/05	Shizugawa Bay, Off No-jima
545	Cirrhitidae	<i>Cirrhitichthys aprinus</i> (Cuvier, 1829)	Minamigombe	02523	2023/10/25	Shizugawa Bay, Off Tonari Hama
546				02524	2023/10/25	Shizugawa Bay, Off Tonari Hama
547				02516	2023/10/25	Shizugawa Bay, Off Tonari Hama
548				02517	2023/10/25	Shizugawa Bay, Off Tonari Hama
549		<i>Cirrhitichthys aureus</i> (Temminck and Schlegel, 1843)	Okigombe	02518	2023/10/25	Shizugawa Bay, Off Tonari Hama
550				02519	2023/10/25	Shizugawa Bay, Off Tonari Hama
551				02520	2023/10/25	Shizugawa Bay, Off Tonari Hama
552				02521	2023/10/25	Shizugawa Bay, Off Tonari Hama
553				02522	2023/10/25	Shizugawa Bay, Off Tonari Hama
554				02540	2023/11/09	Shizugawa Bay, Shirane
555				02541	2023/11/09	Shizugawa Bay, Shirane
556				02539	2023/11/09	Shizugawa Bay, Shirane
557		<i>Cyprinocirrhites polyactis</i> (Bleeker, 1874)	Uigombe	02525	2023/10/25	Shizugawa Bay, Off Tonari Hama
558				02526	2023/10/25	Shizugawa Bay, Off Tonari Hama
559				02207	2023/01/30	Shizugawa Bay, Off No-jima
560				02208	2023/01/30	Shizugawa Bay, Off Funagata-jima
561	Latridae	<i>Goniistius quadricornis</i> (Günther, 1860)	Yudachitakanoha	02605	2023/12/15	Shizugawa Bay
562				00473	2013/09/11	Shizugawa Bay, Sugane
563				01499	2020/11/26	Shizugawa Bay, Takihama Fishing Port
564				01500	2020/11/26	Shizugawa Bay, Takihama Fishing Port
565	Embiotocidae	<i>Ditrema temminckii</i> temminckii Bleeker, 1853	Umitanago	01501	2020/11/26	Shizugawa Bay, Takihama Fishing Port
566				01502	2020/11/26	Shizugawa Bay, Takihama Fishing Port
567				00494	2013/10/15	Shizugawa Bay, Sugane
568				00511	2013/11/05	Shizugawa Bay
569		<i>Neoditrema ransometti</i> Steindachner, 1883	Okitanago	02443	2023/07/26	Shizugawa Bay, Kamiwari-zaki
570				01011	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
571				02465	2023/08/20	Shizugawa Bay, Sakamoto
572				02466	2023/08/20	Shizugawa Bay, Sakamoto
573	Pomacentridae	<i>Chromis notata</i> (Temminck and Schlegel, 1843) <i>Abudefduf sordidus</i> (Forsskål, 1775)	Suzumedai Shimasuzumedai	02467	2023/08/20	Shizugawa Bay, Sakamoto
574				02495	2023/04/04	Shizugawa Bay, Sode Hama beach
575				01229	2019/10/30	Shizugawa Bay, Off Tonari Hama
575						

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
576				01708	2021/08/02	Shizugawa Bay, Off Tomari Hama
577				01738	2021/09/03	Shizugawa Bay, Off Tomari Hama
578				01785	2021/10/29	Shizugawa Bay, Off Tomari Hama
579		<i>Chrysiptera cyanea</i> (Quoy and Gaimard, 1825)	Rurisuzumedai	01049	2018/10/05	Shizugawa Bay, Kara-shima Islet.
580		<i>Pomacentrus coelestis</i> Jordan and Starks, 1901	Sorasuzumedai	00995	2018/08/20	Shizugawa Bay, Vicinity of No-jima Islet.
581				01128	2019/11/13	Shizugawa Bay, Shirane
582				01129	2019/11/13	Shizugawa Bay, Shirane
583				01147	2019/12/10	Shizugawa Bay, Funakata Jima Islet.
584				02474	2023/09/21	Shizugawa Bay, Sode Hama beach
585				02550	2023/10/04	Shizugawa Bay, Off No-jima
586	Terapontidae	<i>Terapon jarbua</i> (Fabricius, 1775)	Kotohiki	01223	2019/11/06	Shizugawa Bay, Off Tomari Hama
587	Oplegnathidae	<i>Oplegnathus fasciatus</i> (Temminck and Schlegel, 1844)	Ishidai	00046	2007/08/28	Shizugawa Bay, Off Tera-hama
588				00507	2013/11/05	Shizugawa Bay, Utsu
589				01349	2020/08/26	Shizugawa Bay, Funagatajima
590				01472	2020/11/06	Shizugawa Bay, Off No-jima
591				01784	2021/10/29	Shizugawa Bay, Off Tomari Hama
592				01234	2019/07/29	Shizugawa Bay, Off Tomari Hama
593	Kyphosidae	<i>Oplegnathus punctatus</i> (Temminck and Schlegel, 1844)	Ishigakidai	01680	2021/06/15	Shizugawa Bay, Off Tomari Hama
594		<i>Kyphosus vaigiensis</i> (Quoy and Gaimard, 1825)	Isuzumi	01230	2019/10/30	Shizugawa Bay, Off Tomari Hama
595	Microcanthidae	<i>Microcanthus strigatus</i> (Cuvier, 1831)	Kagokakidai	01222	2019/11/06	Shizugawa Bay, Off Tomari Hama
596	Girellidae	<i>Girella punctata</i> Gray, 1835	Mejina	01454	2020/11/06	Shizugawa Bay, Off Arato
597				02070	2022/07/26	Shizugawa Bay, The Mouth of Mitobe river
598				02588	2023/11/15	Shizugawa Bay, Tomarihama Fishing Port
599		<i>Ichthyos loekingtoni</i> Jordan and Gilbert, 1880	Kuromedai	02406	2023/07/06	Shizugawa Bay, Off No-jima
600	Centrolophidae	<i>Prenopsis anomala</i> (Temminck and Schlegel, 1844)	Ibodai	00491	2013/09/12	Shizugawa Bay
601				00504	2013/11/01	Shizugawa Bay, Sugane
602				00518	2013/11/14	Shizugawa Bay
603	Nomeidae	<i>Psenes pellucidus</i> Lütken, 1880	Hanabirauo	00999	2018/07/13	Shizugawa Bay, Off Tomari Hama
604		<i>Polydactylus plebeius</i> (Broussonet, 1782)	Tsubamekonoshiro	02470	2023/09/14	Shizugawa Bay, Sode Hama beach
605				02510	2023/10/13	Shizugawa Bay, Off No-jima
606				01013	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
607	Labridae	<i>Parajulis poecileptera</i> (Temminck and Schlegel, 1845)	Kyusen	01350	2020/08/26	Shizugawa Bay, Funagatajima
608				01482	2020/11/18	Shizugawa Bay, Tsubaki shima Islet.
609				01786	2021/10/29	Shizugawa Bay, Off Tomari Hama
610		<i>Semicossyphus reticulatus</i> (Valenciennes, 1839)	Kobudai	01012	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
611				01439	2020/10/30	Shizugawa Bay, Off Tomari Hama
612		<i>Halichoeres tenuispinis</i> (Günther, 1862)	Hombera	01010	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
613				01131	2019/11/13	Shizugawa Bay, Shirane
614				01858	2022/01/06	Shizugawa Bay, Sode Hama beach
615				02476	2023/09/21	Shizugawa Bay, Sode Hama beach
616		<i>Labroides dimidiatus</i> (Valenciennes, 1839)	Honsomewakebera	02536	2023/11/09	Shizugawa Bay, Shirane
617				02613	2023/12/21	Shizugawa Bay
618		<i>Stethojulis interrupta terina</i> Jordan and Snyder, 1902	Kaminaribera	01130	2019/11/13	Shizugawa Bay, Shirane
619		Labridae gen. sp.		02475	2023/09/21	Shizugawa Bay, Sode Hama beach
620				02614	2023/12/21	Shizugawa Bay, Sode Hama beach
621		<i>Alectrias alectrolophus</i> (Pallas, 1814)	Kitamushagimpo	00273	2013/05/26	Shizugawa Bay, Kappa-zawa
622				01919	2022/03/29	Shizugawa Bay, Kappa-zawa
623				01896	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
624				01891	2022/03/14	Shizugawa Bay, Kappa-zawa
625				01916	2022/03/29	Shizugawa Bay, Kappa-zawa
626				01917	2022/03/29	Shizugawa Bay, Kappa-zawa
627				01918	2022/03/29	Shizugawa Bay, Kappa-zawa
628				02371	2023/06/19	Shizugawa Bay, Terahama
629		<i>Alectrias benjamini</i> Jordan and Snyder, 1902	Mushagimpo	00096	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
630		<i>Alectrias cirratus</i> (Lindberg, 1938)	Higekitanotosaka	00122	2012/08/15	Shizugawa Bay, Take-shima Islet

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
631				00555	2014/01/21	Shizugawa Bay, Tsubaki-shima Islet
632				02141	2022/10/04	Shizugawa Bay, Kappa-zawa
633				02221	2023/03/30	Shizugawa Bay, Sode Hama beach
634				02241	2023/04/11	Shizugawa Bay, Kamiwari-zaki
635		<i>Alectrias markewichi</i> Sheiko, 2012		01420	2020/10/08	Shizugawa Bay, No-jima Islet.
636		<i>Alectrias</i> sp.	Hinamushagimpo	02083	2022/08/09	Shizugawa Bay, Sakamoto
637				02233	2023/04/06	Shizugawa Bay, Are-Shima Islet. (west)
638				00092	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
639		<i>Chirolophis japonicus</i> Herzenstein, 1890	Fusagimpo	00126	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
640				00872	2016/04/20	Shizugawa Bay, Southern west of No-jima Islet
641				01182	2020/05/08	Shizugawa Bay, Oritate
642				02175	2022/11/17	Shizugawa Bay, Sode Hama beach
643				02249	2023/04/06	Shizugawa Bay, Are-Shima Islet. (west)
644		<i>Chirolophis saitone</i> (Jordan and Snyder, 1902)	Akigimpo	00065	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
645				00376	2013/08/14	Shizugawa Bay, North of No-zima Islet
646		<i>Dictyosoma rubrimaculatum</i> Yatsu, Yasuda and Taki, 1978	Benitsukigimpo	01038	2019/01/10	Shizugawa Bay, Off U-Shima Islet.
647				02191	2023/01/19	Shizugawa Bay, Off Tomari Hama
648				02192	2023/01/19	Shizugawa Bay, Off Tomari Hama
649				02239	2023/04/11	Shizugawa Bay, Kamiwari-zaki
650		<i>Dictyosoma temminckii</i> Bleeker, 1853	Dainangimpo	01442	2020/11/01	Shizugawa Bay, Isatomae Fishing Port
651				01498	2020/11/26	Shizugawa Bay, Takihama Fishing Port
652				02369	2023/06/19	Shizugawa Bay, Terahama
653				02370	2023/06/19	Shizugawa Bay, Terahama
654				01899	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
655		<i>Ernogrammus hexagrammus</i> (Schlegel, 1845)	Musugigaji	00097	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
656				00130	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
657				01884	2022/02/08	Shizugawa Bay, Off No-jima
658				01885	2022/02/08	Shizugawa Bay, Off No-jima
659				01900	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
660				01928	2022/03/29	Shizugawa Bay, Kappa-zawa
661				02240	2023/04/11	Shizugawa Bay, Kamiwari-zaki
662		<i>Ernogrammus zirmunskii</i> Markevich and Khazin, 2011	Yarigaji	00896	2017/01/28	Shizugawa Bay, Off Tsubaki-shima
663				01714	2021/08/27	Shizugawa Bay, Shirane
664				00100	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
665				00060	2009/01/14	Shizugawa Bay, Tsubaki-shima Islet
666		<i>Opisthocentrus tenuis</i> Bean and Bean, 1897	Hanajirogaji	00086	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
667				02220	2023/03/30	Shizugawa Bay, Sode Hama beach
668		<i>Zoarchias glaber</i> Tanaka, 1908	Tobitogimpo	02222	2023/03/30	Shizugawa Bay, Sode Hama beach
669				02373	2023/06/20	Shizugawa Bay, Tatehama
670		<i>Stichaeidae</i> gen. sp.		00117	2012/08/15	Shizugawa Bay, Take-shima Islet
671	Pholidae	<i>Pholis crassispina</i> (Temminck and Schlegel, 1845)	Takegimpo	00079	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
672				00277	2013/05/26	Shizugawa Bay, Kappa-zawa
673				00646	2014/05/14	Shizugawa Bay, Hosoura
674		<i>Pholis nebulosa</i> (Temminck and Schlegel, 1845)	Gimpo	01280	2020/06/21	River Mouth of Hachiman River, Tideland of Matsubara
675				01456	2020/11/06	Shizugawa Bay, Off Arato
676				02174	2022/11/17	Shizugawa Bay, Sode Hama beach
677	Zaproridae	<i>Zaprora silenus</i> Jordan, 1896	Bozugimpo	01628	2019/06/05	Shizugawa Bay, Off Tomari Hama
678	Chaenopsidae	<i>Neoclinus bryope</i> (Jordan and Snyder, 1902)	Kokegimpo	00375	2013/08/14	Shizugawa Bay, North of No-zima Islet
679				00595	2014/01/22	Shizugawa Bay, Tsubaki-shima Islet
680				00807	2014/09/19	Shizugawa Bay, North of Funagata Islet
681				01901	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
682				02122	2022/09/22	Shizugawa Bay, Sode Hama beach
683				02242	2023/04/11	Shizugawa Bay, Kamiwari-zaki
684	Bleniidae	<i>Omobranchius elegans</i> (Steindachner, 1876)	Nabeka	01192	2020/05/08	Shizugawa Bay, Oritate
685		<i>Parablemnus yatabei</i> (Jordan and Snyder, 1900)	Isogimpo	01037	2019/01/10	Shizugawa Bay, Off U-Shima Islet.

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
686				01344	2020/08/26	Shizugawa Bay, Funagatajima
687				01345	2020/08/26	Shizugawa Bay, Funagatajima
688				01352	2020/08/28	Shizugawa Bay, Togura ST3
689				01607	2021/05/25	Shizugawa Bay
690				00373	2013/08/13	Shizugawa Bay, South of Shirane
691				00597	2014/01/24	Shizugawa Bay
692				01782	2021/10/27	Shizugawa Bay, Off Tomari Hama
693	Callionymidae	<i>Petrosciartes breviceps</i> (Valenciennes, 1836)	Nijigimpo	01753	2021/10/07	Shizugawa Bay, Tachama Fishing Port
694		<i>Repomucenus beniteguri</i> (Jordan and Snyder, 1900)	Tobinumeri	01854	2022/01/06	Shizugawa Bay, Sode Hama beach
695				02167	2022/11/17	Shizugawa Bay, Sode Hama beach
696				02368	2023/06/18	Shizugawa Bay
697			Setonumeri	01016	2018/09/13	Shizugawa Bay, Tsubaki-shima Islet
698				01759	2021/10/11	Shizugawa Bay, Oritate
699				00918	2018/06/05	Downstream of Hachiman River, Vicinity of Crisis Management Department
700	Gobiidae	<i>Acanthogobius flavimanus</i> (Temminck and Schlegel, 1845)	Mahaze	00480	2013/09/23	Vicinity of river mouth of Hatiman-gawa R.
701				01189	2020/05/08	Shizugawa Bay, Oritate
702				01197	2020/05/08	Shizugawa Bay, Oritate
703				01571	2021/04/28	Shizugawa Bay, Oritate
704				02597	2023/12/06	Shizugawa Bay
705		<i>Acanthogobius lactipes</i> (Hilgendorf, 1879)	Ashishirohaze	00919	2018/06/05	Downstream of Hachiman River, Vicinity of Crisis Management Department
706				01678	2021/07/17	Hachiman River, Sukezukur, Front of Matsubara Park
707				02071	2022/07/26	Shizugawa Bay, The Mouth of Miotoe river
708				02372	2023/06/20	Shizugawa Bay, The Mouth of Miotoe river
709				00797	2014/09/07	Shizugawa, river mouth of Hatiman-gawa R.
710	202	<i>Acentrogobius virgatus</i> (Jordan and Snyder, 1901)	Sujihaze	01517	2020/12/14	Shizugawa Bay, Oritate
711				01518	2020/12/14	Shizugawa Bay, Oritate
712				01594	2021/05/01	Shizugawa Bay, Oritate
713				01596	2021/05/15	Shizugawa Bay, Oritate
714				01763	2021/10/11	Shizugawa Bay, Oritate
715				01835	2021/12/15	Shizugawa Bay, Off Tsubaki shima Islet.
716				02072	2022/07/26	Shizugawa Bay, The Mouth of Miotoe river
717				02116	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
718				02133	2022/09/26	Shizugawa Bay, Sode Hama beach
719				02235	2023/04/06	Shizugawa Bay, Are-Shima Islet (west)
720				02277	2023/05/22	Shizugawa Bay, The Mouth of Miotoe river
721				02278	2023/05/22	Shizugawa Bay, The Mouth of Miotoe river
722	203	<i>Astrabe lactisella</i> Jordan and Snyder, 1901	Shirokurahaze	01904	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
723				02244	2023/04/11	Shizugawa Bay, Kamitani-zaki
724	204	<i>Chaenogobius annularis</i> Gill, 1859	Agohaze	00353	2013/06/26	Shizugawa Bay, Are-shima Islet
725				01184	2020/05/08	Shizugawa Bay, Oritate
726				01609	2021/05/27	Shizugawa Bay, Oritate
727				01907	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
728				02236	2023/04/06	Shizugawa Bay, Are-Shima Islet (west)
729				02252	2023/05/20	Shizugawa Bay, Tideland of Matsubara
730				02283	2023/05/22	Shizugawa Bay, The Mouth of Miotoe river
731	205	<i>Clariger papillosus</i> Ebina, 1935	Higesejrohaze	01906	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
732	206	<i>Clariger</i> sp.	Shirohigesejrohaze	01047	2019/02/15	Shizugawa Bay, Port of Tsunomiya, Raft of Culturing Wakame
733				02193	2023/01/19	Shizugawa Bay, Off Tomari Hama
734				01905	2022/03/18	Shizugawa Bay, Tsubaki-shima Islet
735	207	<i>Clariger</i> sp.	Himohaze	01092	2019/07/14	River Mouth of Hachiman River, Tideland of Matsubara
736		<i>Eutaenichthys gilli</i> Jordan and Snyder, 1901		01663	2021/06/27	Shizugawa Bay, Oritate
737				02279	2023/05/22	Shizugawa Bay, The Mouth of Miotoe river
738	208	<i>Favonigobius gymnauchen</i> (Bleeker, 1860)	Himehaze	01856	2022/01/06	Shizugawa Bay, Sode Hama beach
739				01857	2022/01/06	Shizugawa Bay, Sode Hama beach
740				02402	2023/07/03	Shizugawa Bay, Sode Hama beach

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
741	Gymnogobius	<i>Gymnogobius breunigii</i> (Steindachner, 1880)	Birngo	00663	2014/05/14	Shizugawa Bay, Mouth of mitobe-gawa R.
742				01679	2021/07/17	Hachiman River, Sukezukuri, Front of Matsubara Park
743				02280	2023/05/22	Shizugawa Bay, The Mouth of Mitobe river
744				02281	2023/05/22	Shizugawa Bay, The Mouth of Mitobe river
745				02282	2023/05/22	Shizugawa Bay, The Mouth of Mitobe river
746				00662	2014/05/14	Shizugawa Bay, Mouth of mitobe-gawa R.
747				02226	2023/03/30	Shizugawa Bay, Sode Hama beach
748				02343	2023/06/06	Shizugawa Bay, Sode Hama beach
749				00914	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
750				01333	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
751	Gymnogobius	<i>Gymnogobius opperiens</i> Stevenson, 2002	Shimaugigori	01334	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
752				00794	2014/09/07	Iriya, Taraba-gawa R.
753				00915	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
754				00381	2013/08/14	under the bridge of Tateshita
755				00672	2014/05/18	Isatomae-gawa R., downstream
756				01329	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
757				00906	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Elementary School
758				00059	2009/05/12	Shizugawa Bay, Isatomae-gawa R.
759				00640	2014/05/08	Isatomae-gawa R., downstream
760				00647	2014/05/14	Shizugawa Bay, Hosoura
761	Gymnogobius	<i>Gymnogobius urotaenia</i> (Hilgendorf, 1879) <i>Leucopsarion petersii</i> Hilgendorf, 1880	Ukigori Shirouo	01185	2020/05/08	Shizugawa Bay, Oritate
762				01186	2020/05/08	Shizugawa Bay, Oritate
763				01535	2021/01/13	Shizugawa Bay, Kappa-zawa
764				01578	2021/04/30	Oritate river
765				01582	2021/04/30	Shizugawa Bay, Oritate
766				01583	2021/04/30	Shizugawa Bay, Oritate
767				01755	2021/10/11	Shizugawa Bay, Oritate
768				02189	2023/01/05	Shizugawa Bay, The Mouth of Mitobe river
769				00236	2013/04/12	Shizugawa Bay, Sakamoto
770				00639	2014/05/08	Isatomae-gawa R., downstream
771	Luciogobius	<i>Luciogobius guttatus</i> Gill, 1859	Ominizuhaze Mimizuhaze	00641	2014/05/14	Shizugawa Bay, Hosoura
772				00657	2014/05/14	Shizugawa Bay, Kosuzumi
773				00260	2013/05/26	Shizugawa Bay, Kappa-zawa
774				00235	2013/04/12	Shizugawa Bay, Sakamoto
775				00322	2013/06/25	Shizugawa Bay, Sakamoto
776				00911	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
777				01580	2021/04/30	Shizugawa Bay, Oritate
778				01581	2021/04/30	Shizugawa Bay, Oritate
779				02017	2022/06/15	Shizugawa Bay, The Mouth of Mitobe river
780				02091	2022/08/20	Hachiman River
781	Pterogobius	<i>Pterogobius elapoides</i> (Günther, 1872)	Kinubari	02250	2023/05/09	Shizugawa Bay, The Mouth of Isatomae River
782				02251	2023/05/09	Shizugawa Bay, The Mouth of Isatomae River
783				00903	2018/06/07	Shizugawa Bay, Tsunomiya Off
784				01514	2020/12/14	Shizugawa Bay, Oritate
785				01515	2020/12/14	Shizugawa Bay, Oritate
786				01516	2020/12/14	Shizugawa Bay, Oritate
787				02108	2022/08/22	Shizugawa Bay, Sode Hama beach
788				00307	2013/08/11	Shizugawa Bay, Tomari harbor
789				00374	2013/08/14	Shizugawa Bay, North of No-zima Islet
790				00554	2014/01/21	Shizugawa Bay, Tsubaki-shima Islet
791	Rhino	<i>Rhinogobius mizunoi</i> Suzuki, Shibukawa and Aizawa, 2017 <i>Rhinogobius nagoyae</i> Jordan and Seale, 1906	Ruriyoshinobori Shimayoshinobori	00795	2014/09/07	Iriya, Taraba-gawa R.
792				00913	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
793				01322	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
794				01677	2021/07/17	Hachiman River, Sukezukuri, Front of Matsubara Park
795				00045	2007/11/23	Shizugawa Bay, Vicinity of river mouth of Oritate-gawa R.

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
796				00796	2014/09/07	Iriya, Taraba-gawa R.
797		<i>Sagamia geneionema</i> (Hilgendorf, 1879)	Sabihaze	00268	2013/05/26	Shizugawa Bay, Kappa-zawa
798				01481	2020/11/18	Shizugawa Bay, Tsubaki-shima Islet.
799				01855	2022/01/06	Shizugawa Bay, Are-Shima Islet. (west)
800		<i>Tridentiger brevispinis</i> Katsuyama, Arai and Nakamura, 1972	Numachichibu	00916	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Junior High School
801				01330	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
802				01331	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
803		<i>Tridentiger obscurus</i> (Temminck and Schlegel, 1845)	Chichibu	01332	2020/08/01	Hachiman River, Sukezukuri, Front of Matsubara Park
804				00917	2018/06/05	Downstream of Hachiman River, Vicinity of Shizugawa Elementary School
805				01579	2021/04/30	Oritate river
806		<i>Tridentiger trigonocephalus</i> (Gill, 1859)	Akaobishimahaze	00064	2012/08/14	Shizugawa Bay, Tsubaki-shima Islet
807				00107	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
808				00257	2013/08/06	Shizugawa Bay, Sakamoto
809				00596	2014/01/22	Shizugawa Bay, Tsubaki-shima Islet
810				00643	2014/05/14	Shizugawa Bay, Hosoura
811				01183	2020/05/08	Shizugawa Bay, Oritate
812				01195	2020/05/08	Shizugawa Bay, Oritate
813				02247	2023/04/14	Shizugawa Bay, Tsubaki-shima Islet
814		<i>Trimma grammistes</i> (Tomiyama, 1936)	Ichimonjihaze	01339	2020/08/26	Shizugawa Bay, Funagatajima
815		Gobiidae gen. sp.		01283	2020/06/22	Shizugawa Bay, Oritate, Togura
816				02059	2022/07/18	Shizugawa Bay, Oritate
817				02060	2022/07/18	Shizugawa Bay, Oritate
818				01617	2021/05/30	Shizugawa Bay, Oritate
819				02117	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
820				02118	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
821				02119	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
822				02180	2022/12/06	Shizugawa Bay, Sode Hama beach
823				02181	2022/12/06	Shizugawa Bay, Sode Hama beach
824		<i>Siganus fuscus</i> (Houttuyn, 1782)	Aigo	01026	2018/11/05	Shizugawa Bay, Off Tomari Hama
825	Siganidae			01707	2021/08/03	Shizugawa Bay, Off Tomari Hama
826				01758	2021/10/11	Shizugawa Bay, Oritate
827				02440	2023/07/26	Shizugawa Bay, Kamiwari-zaki
828				02560	2023/10/05	Shizugawa Bay, Kappa-zawa
829				02572	2023/10/05	Shizugawa Bay, Kappa-zawa
830				02500	2023/10/13	Shizugawa Bay, The Mouth of Mitobe river
831				02604	2023/12/09	Shizugawa Bay
832	Zanclidae	<i>Zanclus cornutus</i> (Linnaeus, 1758)	Tsumodashi	01789	2021/10/29	Shizugawa Bay, Off Tomari Hama
833	Acanthuridae	<i>Naso unicornis</i> (Forsk., 1775)	Tengihagi	02579	2023/10/05	Shizugawa Bay, Kappa-zawa
834		<i>Prionurus scalprum</i> Valenciennes, 1835	Nizadai	02448	2023/07/26	Shizugawa Bay, Kamiwari-zaki
835	Sphyrnidae	<i>Sphyrna pinguis</i> Günther, 1874	Akakamasu	00492	2013/10/02	Shizugawa Bay, Sugane
836				01799	2021/11/04	Shizugawa Bay, Off Biwazaki
837		<i>Sphyaena</i> sp.		02444	2023/07/26	Shizugawa Bay, Kamiwari-zaki
838				02445	2023/07/26	Shizugawa Bay, Kamiwari-zaki
839	Trichiuridae	<i>Trichiurus japonicus</i> Temminck and Schlegel, 1844	Tachiuo	00493	2013/10/15	Shizugawa Bay, Sugane
840		<i>Sarda orientalis</i> (Temminck and Schlegel, 1844)	Hagatsuo	01421	2020/10/07	Shizugawa Bay, Off Tomari Hama
841	Scombridae	<i>Scomber japonicus</i> Houttuyn, 1782	Masaba	00470	2013/09/09	Shizugawa Bay, Sugane
842				01445	2020/11/06	Shizugawa Bay, Off Arato
843				01446	2020/11/06	Shizugawa Bay, Off Arato
844				01447	2020/11/06	Shizugawa Bay, Off Arato
845				02492	2023/04/04	Shizugawa Bay, Shizugawa Fishing Port
846	Paralichthyidae	<i>Paralichthys olivaceus</i> (Temminck and Schlegel, 1846)	Hirame	01433	2020/10/14	Shizugawa Bay, Off Tomari Hama
847				01457	2020/11/06	Shizugawa Bay, Off Arato
848				02134	2022/09/26	Shizugawa Bay, Sode Hama beach
849				02184	2022/12/06	Shizugawa Bay, Sode Hama beach
850				02449	2023/07/26	Shizugawa Bay, Kamiwari-zaki

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
851	Pleuronectidae	<i>Pseudonotus pentophthalmus</i> Günther, 1862	Tamaganzobrame	01643	2021/06/17	Shizugawa Bay, Off Tomari Hama
852		<i>Cleisthenes pinetorum</i> Jordan and Starks, 1904	Sohachi	01644	2021/06/17	Shizugawa Bay, Off Tomari Hama
853				01645	2021/06/17	Shizugawa Bay, Off Tomari Hama
854			Samegarei	00049	2008/06/12	Shizugawa Bay, Tsubaki-shima Islet
855		<i>Cladodermis asperinum</i> (Temminck and Schlegel, 1846)		00063	2008/06/22	Shizugawa Bay, Tsubaki-shima Islet
856				00367	2013/08/13	Shizugawa Bay, South of Shirane
857				00558	2014/01/21	Shizugawa Bay, Tsubaki-shima Islet
858				01425	2020/10/15	Shizugawa Bay, Off Tomari Hama
859				01480	2020/11/18	Shizugawa Bay, Tsubaki shima Islet.
860				01627	2021/06/10	Shizugawa Bay, Off Tomari Hama
861		<i>Eopsetta grigorjewi</i> (Herzenstein, 1890)	Mushigarei	02224	2023/01/27	Shizugawa Bay
862				02209	2023/01/30	Shizugawa Bay, Off Funagata-jima
863				02210	2023/01/30	Shizugawa Bay, Off Funagata-jima
864		<i>Hippoglossoides dubius</i> Schmidt, 1904	Akagarei	02211	2023/01/30	Shizugawa Bay, Off No-jima
865		<i>Microstomus achni</i> (Jordan and Starks, 1904)	Babagarei	01545	2020/02/10	Shizugawa Bay, Off U-Shima Islet.
866		<i>Platichthys bicoloratus</i> (Basilevsky, 1855)	Ishigarei	02088	2022/08/18	Shizugawa Bay, The Mouth of Mitobe river
867				02185	2022/12/06	Shizugawa Bay, Sode Hama beach
868		<i>Platichthys stellatus</i> (Pallas, 1787)	Numagarei	01104	2019/07/20	Downstream of Hachiman River, Vicinity of Shizugawa Elementary School
869				01640	2021/06/17	Shizugawa Bay
870		<i>Pleuronichthys lighti</i> Wu, 1929	Meitagarei	02212	2023/01/30	Shizugawa Bay, Off Funagata-jima
871				02213	2023/01/30	Shizugawa Bay, Off Funagata-jima
872		<i>Pseudopleuronectes yokohamae</i> (Günther, 1877)	Makogarei	00129	2012/08/15	Shizugawa Bay, Tsubaki-shima Islet
873				00259	2013/05/26	Shizugawa Bay, Kappa-zawa
874				00483	2013/09/23	Vicinity of river mouth of Hatiman-gawa R.
875				00644	2014/05/14	Shizugawa Bay, Hosoura
876				01267	2020/06/18	Shizugawa Bay, Kamiwari-zaki
877				01346	2020/08/26	Shizugawa Bay, Funagatajima
878				01505	2020/11/26	Shizugawa Bay, Takhama Fishing Port
879				01512	2020/12/14	Shizugawa Bay, Oritate
880				01513	2020/12/14	Shizugawa Bay, Oritate
881				01766	2021/10/11	Shizugawa Bay, Oritate
882				02176	2022/11/17	Shizugawa Bay, Sode Hama beach
883		<i>Ierasper variegatus</i> (Temminck and Schlegel, 1846)	Hoshigarei	02073	2022/07/26	Shizugawa Bay, The Mouth of Mitobe river
884		<i>Paraplagusia japonica</i> (Temminck and Schlegel, 1846)	Kuroshinoshita	02024	2022/06/13	Shizugawa Bay, Oritate
885	Cynoglossidae			02172	2022/11/17	Shizugawa Bay, Sode Hama beach
886				02186	2022/12/06	Shizugawa Bay, Sode Hama beach
887	Balistidae	<i>Canthidermis maculata</i> (Bloch, 1786)	Aminongara	02469	2023/08/26	Shizugawa Bay, Sode Hama beach
888	Monacanthidae	<i>Aluterus scriptus</i> (Osbeck, 1765)	Soshihagi	01709	2021/08/02	Shizugawa Bay, Off Tomari Hama
889		<i>Rudartius ercodes</i> Jordan and Fowler, 1902	Aminehagi	00195	2013/01/17	Shizugawa Bay, Tsubaki-shima Islet
890				00556	2014/01/21	Shizugawa Bay, Tsubaki-shima Islet
891				01493	2020/11/01	Shizugawa Bay
892				01490	2020/11/07	Shizugawa Bay, Off Mitobe Fishing Port
893				01765	2021/10/11	Shizugawa Bay, Oritate
894				02473	2023/09/21	Shizugawa Bay, Sode Hama beach
895				02178	2022/11/17	Shizugawa Bay, Sode Hama beach
896		<i>Stephanolepis cirrhifer</i> (Temminck and Schlegel, 1850)	Kawahagi	01099	2018/10/10	Shizugawa Bay, Off Tomari Hama
897				01814	2021/11/04	Shizugawa Bay, Off Biwazaki
898				02446	2023/07/26	Shizugawa Bay, Kamiwari-zaki
899				02561	2023/10/05	Shizugawa Bay, Kappa-zawa
900		<i>Thamnaconus modestus</i> (Günther, 1877)	Umazurahagi	00514	2013/11/07	Shizugawa Bay
901				01347	2020/08/26	Shizugawa Bay, Funagatajima
902	Ostraciidae	<i>Lactoria cornuta</i> (Linnaeus, 1758)	Kongofugu	00827	2014/10/19	Shizugawa Bay
903		<i>Lactoria diaphana</i> (Bloch and Schneider, 1801)	Umisuzume	01739	2021/08/28	Shizugawa Bay, Off Tomari Hama
904				01761	2021/10/11	Shizugawa Bay, Oritate
905				02169	2022/11/17	Shizugawa Bay, Sode Hama beach

Table 1. Continued.

Species No.	Family	Scientific name	Japanese name	Voucher No. (MNC-CH)	Collected date (Year/Month/Day)	Locality
906				02170	2022/11/17	Shizugawa Bay, Sode Hama beach
907				02376	2023/06/22	Shizugawa Bay, Off No-jima
908				02442	2023/07/26	Shizugawa Bay, Kamiwari-zaki
909	257	<i>Ostracion cubicum</i> Linnaeus, 1758	Minamihakofugu	01231	2019/10/30	Shizugawa Bay, Off Tomari Hama
910				01435	2020/10/14	Shizugawa Bay, Off Tomari Hama
911				01492	2020/10/30	Shizugawa Bay, Off Tomari Hama
912				02162	2022/11/08	Shizugawa Bay, Sode Hama beach
913	258	<i>Ostracion immaculatum</i> Temminck and Schlegel, 1850	Hakofugu	02534	2023/11/09	Shizugawa Bay, Shirane
914				01221	2019/12/27	Shizugawa Bay, Off Tomari Hama
915				01817	2021/11/11	Shizugawa Bay, Off Tomari Hama
916				00988	2018/07/18	Shizugawa Bay, Off Tomari Hama
917	261	<i>Arothron firmamentum</i> (Temminck and Schlegel, 1850)	Hoshifugu	01756	2021/10/11	Shizugawa Bay, Off Tomari Hama
918				02610	2023/12/21	Shizugawa Bay, Oritate
919				02611	2023/12/21	Shizugawa Bay
920				00992	2016/11/24	Shizugawa Bay, Off Tsubaki-Shima
921	262	<i>Canthigaster rivulata</i> (Temminck and Schlegel, 1850)	Kitamakura	00829	2014/10/26	Shizugawa Bay
922				01146	2019/12/10	Shizugawa Bay, Funakata Jima Islet.
923				01781	2021/10/27	Shizugawa Bay, Off Tomari Hama
924				02447	2023/07/26	Shizugawa Bay, Kamiwari-zaki
925	263	<i>Lagocephalus spadiceus</i> (Richardson, 1845)	Shirosabafugu	02612	2023/12/21	Shizugawa Bay
926				01473	2020/11/06	Shizugawa Bay, Off No-jima
927				01474	2020/11/06	Shizugawa Bay, Off No-jima
928				00474	2013/09/23	Vicinity of river mouth of Hatiman-gawa R.
929	264	<i>Takifugu alboplumbus</i> (Richardson, 1845)	Kusafugu	00658	2014/05/14	Shizugawa Bay, Kosuzumi
930				01191	2020/05/08	Shizugawa Bay, Oritate
931				01194	2020/05/08	Shizugawa Bay, Oritate
932				01573	2021/04/28	Shizugawa Bay, Oritate
933	265	<i>Takifugu flavipetrus</i> Matsuura, 2017	Komonfugu	00908	2018/06/05	Downstream of Hachiman River, Vicinity of Crisis Management Department
934				00469	2013/09/09	Shizugawa Bay, Sugane
935				01475	2020/11/06	Shizugawa Bay, Off No-jima
936				01279	2020/06/21	River Mouth of Hachiman River, Tideland of Matsubara
937	266	<i>Takifugu pardalis</i> (Temminck and Schlegel, 1850)	Higanfugu	02128	2022/09/09	Shizugawa Bay, The Mouth of Mizushiri river
938				02090	2022/08/18	Shizugawa Bay, The Mouth of Mitobe river
939				02509	2023/10/12	Shizugawa Bay, Off No-jima
940				02362	2023/06/10	Shizugawa Bay, Off No-jima
941	267	<i>Chilomycterus reticulatus</i> (Linnaeus, 1758)	Harisembon	02363	2023/06/10	Shizugawa Bay, Off No-jima
942				01124	2019/10/03	Shizugawa Bay, Off Tomari Hama
943	268	<i>Diodon holocanthus</i> Linnaeus, 1758	Mambo			
944						
945						
946						
947	269	<i>Mola mola</i> (Linnaeus, 1758)	Mambo			
948						
949						
950						
951	Molidae					
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