【Standard Working Formats for Eel Statistics】 Members：China

Format 1：Data on Catch of Japanese Eel (Data is limited to taken from the wild)

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Catch of glass eel	tons	28.0	19.5	55.0	20.5	21.0	26.5	16.0	14.5	50.0	38.0	
Catch of eel fry (kuroko)	tons											
Catch of wild adult eel	tons											

【Notes】:

①The catch data of Japanese eel are entered by glass eel, eel fry and wild adult eel, respectively.

②Unit for catch of glass eel, eel fry and adult eel should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (catch of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）：

Format 2：Data on Fishing effort on Japanese eel

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Fishing effort on glass eel	number of licences											
Fishing effort on eel fry (kuroko)	number of licences											
Fishing effort on wild adult eel	number of licences											

【Notes】:

①The data of fishing effort on Japanese eel are entered by glass eel, eel fry and adult eel, respectively.

②Examples of unit for fishing effort may include the number of licenses, the number of fishermen or the number of fishing vessels.The unit can be chosen in accordance with each domestic legislations.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (fishing effort on glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）：

Format 3：Input of eel seeds (glass eels and eel fries (kuroko)) into aquaculture ponds

Species	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	tons	8.0	7.0	45.0	9.3	8.2	16.5	3.5	3.0	36.0	33.0	
domestically caught eel seeds	tons				9.3	8.2	16.5	3.5	3.0	36.0	33.0	
imported eel seeds	tons											
Other eel species	tons	14.5	20.0	32.0	35.5	39.5	36.0	33.0	33.5	35.0	29.0	
bicolar	tons	5.5	7.0	13.5	3.5	8.0	3.0	0.0	0.0	0.0	0.0	
anguilla	tons	0.0	0.0	0.0	0.0	4.5	5.0	4.0	2.5	2.0	0.0	
rostrata	tons	9.0	13.0	18.5	32.0	27.0	28.0	29.0	31.0	33.0	29.0	
marmorata	tons											
mossambica	tons											
Total	tons	22.5	27.0	77.0	44.8	47.7	52.5	36.5	36.5	71.0	62.0	

【Notes】:

①The data of input of eel seeds (glass eels and eel fries) into aquaculture ponds are entered by japonica and other eel species, respectively

②The data of japonica are entered by domestical catched seeds and imported seeds, respectively

③However, eel seeds which transferred by other countries and regions are not included in the data of input of eel seeds.

④Unit for input of eel seeds should be weight (kilograms or metrc tons) as far as possible.

⑤When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

⑥The statistic period of the data related to eel seeds (input of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

○footnote（enter the notes with regard to filling data）：

Format 4: Aquaculture production

Species	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	tons	8,000.0	12,000.0	11,000.0	14,000.0	16,000.0	16,000.0	18,000.0	14,000.0	14,000.0	28,000.0	
Other eel species	tons	32000.0	30000.0	35000.0	42000.0	50000.0	52000.0	57000.0	65000.0	68000.0	64000.0	
bicolar	tons	1,000.0	2,000.0	2,000.0	3,000.0	1,000.0	1,000.0					
anguilla	tons	22,000.0	15,000.0	16,000.0	15,000.0	13,000.0	12,000.0	12,000.0	8,000.0	5,000.0	3,000.0	
rostrata	tons	9,000.0	13,000.0	17,000.0	24,000.0	36,000.0	39,000.0	45,000.0	57,000.0	63,000.0	61,000.0	
marmorata	tons											
mossambica	tons											
Total	tons	40000.0	42000.0	46000.0	56000.0	66000.0	68000.0	75000.0	79000.0	82000.0	92000.0	

【Notes】:

①The data of aquaculture production are entered by japonica and other eel species, respectively

②Unit for aquaculture production should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Aquaculture production data should be the calendar year.

○footnote（enter the notes with regard to filling data）：

Format 5: Other data on aquaculture

Item	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Scale of aquaculture industry	number of aquaculture operators	465	558	687	696	772	797	830	868	918	925	

【Notes】:

①Unit for scale of aquaculture industry may include the number of aquaculture operator or the dimensions of aquaculture ponds.

②When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

○footnote（enter the notes with regard to filling data）：

Format 6: Import of eel seeds (glass eels and eel fries)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	glass eel	tons											
	eel fry (kuroko)	tons											
Total													
Other eel species	glass eel	tons	14.5	20.0	32.0	35.5	39.5	36.0	33.0	33.5	35.0	29.0	
	eel fry (kuroko)	tons											
Total		tons	14.5	20.0	32.0	35.5	39.5	36.0	33.0	33.5	35.0	29.0	

【Notes】:

①The data of import of eel seeds (glass eels and eel fries) are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (import of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）：

Format 7: Import of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	live eel	tons											
	broiled eel	tons											
Other eel species		tons											
		tons											
Total		tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

【Notes】:

①The data of import of eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of import of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）：

Format 8: Export of eel seeds (glass eels and eel fries)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	glass eel	tons	19.0	14.0	9.5	10.0	11.2	12.8	10.0	11.5	8.0	5.0	
	eel fry (kuroko)	tons											
Total		tons	19.0	14.0	9.5	10.0	11.2	12.8	10.0	11.5	8.0	5.0	
Other eel species	glass eel	tons											
	eel fry (kuroko)	tons											
Total		tons											

【Notes】:

①The data of export of eel seeds are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (export of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）：

Format 9: Export of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	live eel	tons											
	broiled eel	tons											
Other eel species		tons											
		tons											
Total		tons	36,398.0	33,917.0	35,001.0	40,295.0	41,426.0	42,357.0		46,732.0	52,432.0	69,917.0	
japonica/Other eel species	live eel	tons	3,846.0	5,295.0	5,818.0	5,562.0	6,219.0	6,781.0		7,508.0	9,630.0	10,107.0	
	broiled eel	tons	32,552.0	28,622.0	29,183.0	34,733.0	35,207.0	35,576.0		39,224.0	42,802.0	59,810.0	

【Notes】:

①The data of export of adult eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of export of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）：

Format 10. Mean value of wight and length of Japanese eel

	Unit	When catching	When inputing into aquaculture ponds	When importing	When exporting
glass eel	weight(g)				
	Total length(cm)				
eel fry	weight(g)				
	Total length(cm)				
adult eel	weight(g)				
	Total length(cm)				

【Notes】:

①The data of weight and length of Japanese eel into aquaculture ponds are entered by glass eel, eel fry and adult eel, respectively.

②The data entered can be either mean value or figures in certain ranges (e.g., XX – YYg or cm). If mean value is available, it should be clearly mentioned in the footnote that the mean value of weight and length figures put in ① above are based on biological or administrative standards or figures obtained from industry

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

○footnote（enter the notes with regard to filling data）：

●Data Sources and/or Methods to collect or estimate the data

(* Please fill in data sources and/or methoods to collect or estimate the data entried in from format 1 to format 14 respectively.)

1. Catch of glass eel	The data is estimated in every fishing period (from October to May of next year) by adding the amount of export of glass eels to the amount of input of glass eels into aquaculture ponds by some local eel farming association.
2. Catch of eel fry (kuroko)	-
3. Catch of wild adult eel	There is no catch of adult eel in China.
4. Fishing effort on glass eel	
5. Fishing effort on eel fry (kuroko)	-
6. Fishing effort on wild adult eel	There is no catch of adult eel in China.
7. Input of eel seeds into aquaculture ponds	The data is collected and estimated by local eel farming association of the major eel production provinces.
8. Aquaculture production	The data is collected and estimated by local eel farming association of the major eel production provinces.
9. Scale of aquaculture industry	The data is collected and estimated by local eel farming association of the major eel production provinces.
10. Import of eel seeds	The data is from "China Seafood Improts and Exports" edited and published by the China Society of Fisheries.

11. Import of eel and eel products	The data is from "China Seafood Improts and Exports" edited and published by the China Society of Fisheries.
12. Export of eel seeds	The data is from "China Seafood Improts and Exports" edited and published by the China Society of Fisheries.
13. Export of eel and eel products	The data is from "China Seafood Improts and Exports" edited and published by the China Society of Fisheries.
14. Mean value of wight and length of Japanese eel	

【Standard Working Formats for Eel Statistics】 Members：Japan

Format 1：Data on Catch of Japanese Eel (Data is limited to taken from the wild)

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Catch of glass eel	tons	9.0	5.2	17.4	15.3	13.6	15.5	8.9	3.7	17.1	11.3	8.3(*1)
Catch of eel fry (kuroko)(*2)	tons	-	-	-	-	-	-	-	-	-	-	-
Catch of wild adult eel (*3)	tons	165	135	112	70	71	71	69	66	66	-	-

【Notes】:

①The catch data of Japanese eel are entered by glass eel, eel fry and wild adult eel, respectively.

②Unit for catch of glass eel, eel fry and adult eel should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (catch of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*1 The 2021-2022 season data of catch of glass eel is from 1st November to 31st March temporarily.

*2 There are no relevant data of "Catch of eel fry (kuroko)".

*3 The latest data available for "Catch of wild adult eel" is 2019-2020 season.

Format 2：Data on Fishing effort on Japanese eel

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Fishing effort on glass eel	number of licences	6,669	6,781	6,617	4,698	4,398	4,790	5,874	5,898	5,762	5,723	4,467
Fishing effort on eel fry (kuroko)(*4)	number of licences	-	-	-	-	-	-	-	-	-	-	-
Fishing effort on wild adult eel(*5)	number of licences	-	-	-	-	-	-	-	-	-	-	-

【Notes】:

①The data of fishing effort on Japanese eel are entered by glass eel, eel fry and adult eel, respectively.

②Examples of unit for fishing effort may include the number of licenses, the number of fishermen or the number of fishing vessels.The unit can be chosen in accordance with each domestic legislations.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (fishing effort on glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*4 There are no relevant data of "Fishing effort on eel fry (kuroko)".

*5 There are no relevant data of "Fishing effort on wild adult eel".

Format 3：Input of eel seeds (glass eels and eel fries (kuroko)) into aquaculture ponds

Species	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22(*6)
japonica	tons	15.9	12.6	27.1	18.3	19.7	19.6	14.2	15.2	20.1	18.3	13.8
domestically caught eel seeds	tons	9.0	5.2	17.4	15.3	13.6	15.5	8.9	3.7	17.1	11.3	8.3
imported eel seeds	tons	6.9	7.4	9.7	3.0	6.1	4.1	5.2	11.5	3.0	7.0	5.5
Other eel species(*7)	tons											
bicolar	tons											
anguilla	tons	0.43	1.30	3.50	0.05	0.20	0.10	0.03	0.10	0.06	0.06	0.04
rostrata	tons											
marmorata	tons											
mossambica	tons											
Total	tons	16.3	13.9	30.6	18.3	19.9	19.7	14.2	15.3	20.2	18.4	13.8

【Notes】:

①The data of input of eel seeds (glass eels and eel fries) into aquaculture ponds are entered by japonica and other eel species, respectively

②The data of japonica are entered by domestical catched seeds and imported seeds, respectively

③However, eel seeds which transferred by other countries and regions are not included in the data of input of eel seeds.

④Unit for input of eel seeds should be weight (kilograms or metrc tons) as far as possible.

⑤When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

⑥The statistic period of the data related to eel seeds (input of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

○footnote（enter the notes with regard to filling data）:

*6 The 2021-2022 season data of input of eel seeds (glass eels and eel fries (kuroko)) into aquaculture ponds is from 1st November to 31st March temporarily.

*7 While it is not possible to provide species-specific data about "Other eel species" up to 2021-22 season, the data is expected to be available after the 2022-2023 season.

Format 4: Aquaculture production(*8,9)

Species	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	tons	17,377	14,204	17,627	20,119	18,907	20,979	15,111	17,071	16,806	-	-
Other eel species	tons											
bicolar	tons											
anguilla	tons											
rostrata	tons											
marmorata	tons											
mossambica	tons											
Total	tons	17,377	14,204	17,627	20,119	18,907	20,979	15,111	17,071	16,806	-	-

【Notes】:

①The data of aquaculture production are entered by japonica and other eel species, respectively

②Unit for aquaculture production should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Aquaculture production data should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*8 Total data of aquaculture production is entered, as it is not possible to provide species-specific data.

*9 The latest data of "Aquaculture production" is 2020 temporarily.

Format 5: Other data on aquaculture

Item	Unit	2012(*10)	2013	2014(*10)	2015	2016	2017	2018	2019	2020	2021	2022
Scale of aquaculture industry	number of aquaculture operators	-	384	-	439	441	463	460	456	442	436	433

【Notes】:

①Unit for scale of aquaculture industry may include the number of aquaculture operator or the dimensions of aquaculture ponds.

②When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

○footnote（enter the notes with regard to filling data）:

*10 The data source for 2013 is “Census of Fisheries”published by the Ministry of Agriculture, Forestry and Fisheries every five years. The data from 2015 to 2022 are the total number of japonica-farming operators who are granted licenses issued by the Ministry of Agriculture, Forestry and Fisheries under the licensing system inaccordance with the Inland Water Fishery Promotion Act, which entered into force in June 2015. There are no relevant data of 2012 and 2014.

Format 6: Import of eel seeds (glass eels and eel fries)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22(*12)
japonica	glass eel	tons											
	eel fry (kuroko)	tons											
Total		tons											
Other eel species	glass eel	tons											
	eel fry (kuroko)	tons											
Total		tons											
Grand Total(*11)		tons	9.2	10.7	12.5	3.6	7.6	4.8	5.3	12.6	3.9	10.2	5.7

【Notes】:

①The data of import of eel seeds (glass eels and eel fries) are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (import of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*11 It is not possible to provide type/size-specific and species-specific data. Therefore, a new row "Grand Total" was inserted for the total data of import of eel seeds (glass eels and eel fries) for all the species.

*12 The 2021-2022 season data of import of eel seeds (glass eels and eel fries) is from 1st November to 31st March temporarily.

Format 7: Import of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022(*14)
japonica	live eel	tons											
	broiled eel	tons											
Other eel species		tons											
		tons											
Total		tons	19,660.9	18,257.7	20,213.7	31,156.1	31,469.3	32,293.5	33,236.3	31,409.8	34,342.8	42,366.8	11,322.1
japonica/Other eel species (*13)	live eel	tons	4,677.6	4,789.2	4,781.1	7,066.7	7,276.1	6,815.7	8,812.7	6,733.2	5,441.1	7,034.5	1,656.8
	broiled eel	tons	14,983.3	13,468.5	15,432.7	24,089.4	24,193.2	25,477.8	24,423.6	24,676.6	28,901.7	35,332.3	9,665.3

【Notes】:

①The data of import of eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of import of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*13 It is not possible to provide species-specific data. Therefore, a new row "japonica/Other eel species" was inserted for the data of import of all the species in live and broiled types seprately.

*14 The 2022 data of import of eel and eel products is from 1st January to 31st March temporarily.

Format 8: Export of eel seeds (glass eels and eel fries)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	glass eel(*15)	tons	－	－	－	－	－	－	－	－	－	0.1	－
	eel fry (kuroko)(*16)	tons	5.7	1.6	6.7	1.3	0.4	0.9	2.6	10.1	23.6	9.1	－
Total		tons	5.7	1.6	6.7	1.3	0.4	0.9	2.6	10.1	23.6	9.2	－
Other eel species	glass eel(*15)	tons	－	－	－	－	－	－	－	－	－	0.0	－
	eel fry (kuroko)(*16)	tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	－
Total		tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	－

【Notes】:

①The data of export of eel seeds are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (export of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st December, 20XX to 30th November, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*15 The “glass eel” is the eels in 13g or less that have never been farmed in domestic aquaculture ponds. The latest data available is 2020-21. It is not possible to provide the data up to 2019-20, as the export of such “glass eel“ was prohibited.

*16 The “eel fry (kuroko)” is the eels in 13g or less that have been farmed in domestic aquaculture ponds. The latest data available is 2020-21..

Format 9: Export of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022(*18)
japonica	live eel	tons											
	broiled eel	tons											
Other eel species		tons											
		tons											
Total		tons	31.6	32.1	69.6	59.6	71.0	112.2	66.5	80.4	135.2	85.9	15.2
japonica/Other eel species (*17)	live eel	tons	10.4	2.2	38.8	20.7	25.8	45.6	7.4	17.8	44.8	17.0	1.4
	broiled eel	tons	21.2	30.0	30.9	38.9	45.2	66.6	59.1	62.6	90.4	68.9	13.8

【Notes】:

①The data of export of adult eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of export of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*17 It is not possible to provide species-specific data. Therefore, a new row "japonica/Other eel species" was inserted for the data of export of all the species in live and boiled types seprately.

*18 The 2022 data of export of eel and eel products is from 1st January to 31st March temporarily.

Format 10. Mean value of weight and length of Japanese eel

	Unit	When catching(*19)	When inputing into aquaculture ponds (*20)	When importing(*21)	When exporting(*22)
glass eel	weight(g)	0.2g	-	-	～13g
	Body length(cm) (*23)	6cm	-	-	-
eel fry	weight(g)	0.2g～13g	-	-	～13g
	Body length(cm) (*23)	6cm～20cm	-	-	-
adult eel	weight(g)	300g～	-	-	-
	Body length(cm) (*23)	50cm～	-	-	-

【Notes】:

①The data of weight and length of Japanese eel into aquaculture ponds are entered by glass eel, eel fry and adult eel, respectively.

②The data entered can be either mean value or figures in certain ranges (e.g., XX – YYg or cm). If mean value is available, it should be clearly mentioned in the footnote that the mean value of weight and length figures put in ① above are based on biological or administrative standards or figures obtained from industry associations, etc.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④"Body length" is the length of a fish measured from the tip of the snout to the posterior end of the last vertebra.

○footnote(enter the notes with regard to write data):

*19 The data of each "when catching" is estimated based on actual measurement values of weight and total length at each life stage of Japanese eel.

*20 There are no relevant data of "When inputing into aquaculture ponds".

*21 There are no relevant data of "When importing".

*22 There are no relevant data of total length because the glass eel and eel fry(kuroko) are administrated with "weight" in accordance with Export Trade Control Order when exporting.

*23 As "Body length", total length which includes the length of tail fin was used.

●Data Sources and/or Methods to collect or estimate the data

(* Please fill in data sources and/or methoods to collect or estimate the data entried in from format 1 to format 14 respectively.)

1. Catch of glass eel	The data is estimated in every fishing period (from December of previous year to April) by deducting the amount of import of glasseels (calculated from the Trade Statistics every fishing period) from the amount of input of glass eels into aquaculture ponds which reported by eel-farming operators.
2. Catch of eel fry (kuroko)	–
3. Catch of wild adult eel	The data is from "Annual Statistics on Fisheries and Aquaculture Production" compiled and published by the Ministry of Agriculture,Forestry and Fisheries. The data contained in this statistics are derived from questionnaires on catch and aquaculture production sentto fisheries cooperatives covering main rivers and lakes as well as aquaculture operators all around the country.
4. Fishing effort on glass eel	The index of fishing effort on glass eels is the total number of licenses submitted by each prefecture which has the mandate to issuelicenses.
5. Fishing effort on eel fry (kuroko)	–
6. Fishing effort on wild adult eel	–
7. Input of eel seeds into aquaculture ponds	The data is from the amount of input of glass eels into aquaculture ponds which reported by eel-farming operators.The data of eel seeds domestically captured is estimated by deducting the amount of input of glass eels into aquaculture ponds which reported by eel-farming operators from the amount of import of glasseels (calculated from the Trade Statistics). .The data of imported eel seeds is calculated from the Trade Statistics every fishing period.
8. Aquaculture production	The data is from "Annual Statistics on Fisheries and Aquaculture Production" compiled and published by the Ministry of Agriculture,Forestry and Fisheries.
9. Scale of aquaculture industry	The index of scale of aquaculture industry is the number of aquaculture operators. The data for 2013 is from “Census of Fisheries”published by the Ministry of Agriculture, Forestry and Fisheries every five years. The data from 2015 is the total number of eel-farming operators who are granted licenses issued by the Ministry of Agriculture, Forestry and Fisheries under the licensing system inaccordance with the Inland Water Fishery Promotion Act, which entered into force in June
10. Import of eel seeds	The data is from "Trade Statistics" compiled and published by the Ministry of Finance. The statistic code is 03.01.92.100 (live fish -eels (Anguilla spp.) - fry for fish culture).

11. Import of eel and eel products	The data is from "Trade Statistics" compiled and published by the Ministry of Finance. The statistic codes are 03.01.92.000 (live fish- eels (Anguilla spp.)) and 1604.17.000 (prepared or preserved fish, caviar and caviar substitutes prepared from fish eggs - eels).Theamount of broiled eel is calculated as whole body of fish, dividing the amount of products by 0.6.
12. Export of eel seeds	The data is from the custom records and the reports submitted by exporters on eel seeds actually exported.
13. Export of eel and eel products	The data is from "Trade Statistics" compiled and published by the Ministry of Finance. The statistic codes are 03.01.92.000 (live fish- eels (Anguilla spp.)) and 1604.17.000 (prepared or preserved fish, caviar and caviar substitutes prepared from fish eggs - eels).Theamount of broiled eel is calculated as whole body of fish, dividing the amount of products by 0.6.
14. Mean value of wight and length of Japanese eel	The value of weight of glass eel and eel fry(kuroko) when exporting are from Export Trade Control Order.The data of weight and total length of glass eel, eel fry(kuroko) and adult eel are estimated based on actual measurement values of wight and total length.

【Standard Working Formats for Eel Statistics】 Members：Korea

Format 1：Data on Catch of Japanese Eel (Data is limited to taken from the wild)

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Catch of glass eel	tons	1.5	1.0	5.5	4.7	1.8	2.7	1.0	0.6	4.5	3.2	2.2
Catch of eel fry (kuroko)	-	-	-	-	-	-	-	-	-	-	-	-
Catch of wild adult eel	tons	102	73	80	85	70	48	56	60	59	84	9

【Notes】:

①The catch data of Japanese eel are entered by glass eel, eel fry and wild adult eel, respectively.

②Unit for catch of glass eel, eel fry and adult eel should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (catch of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）:

Format 2：Data on Fishing effort on Japanese eel(*1)

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22(*2)
Fishing effort on glass eel	number of licences (or fishermans, fishing vessels)	-	-	-	-	-	-	-	-	-	-	-
Fishing effort on eel fry (kuroko)	number of licences (or fishermans, fishing vessels)	-	-	-	-	-	-	-	-	-	-	-
Fishing effort on wild adult eel	number of licences (or fishermans, fishing vessels)	-	-	-	-	-	-	-	-	-	-	-

【Notes】:

①The data of fishing effort on Japanese eel are entered by glass eel, eel fry and adult eel, respectively.

②Examples of unit for fishing effort may include the number of licenses, the number of fishermen or the number of fishing vessels.The unit can be chosen in accordance with each domestic legislations.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (fishing effort on glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*1 As number of licences is not managed by species in Korea, relevant data is not available.

*2 In 2021, number of licences regarding glass eel stow-net fishery and total eel fishery are manged as 555 and 732 each, to prohibit indiscriminate catch.

Format 3：Input of eel seeds (glass eels and eel fries (kuroko)) into aquaculture ponds

Species	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	tons	3.6	3.0	13.9	7.4	9.3	10.6	5.3	1.3	10.4	8.1	7.2
domestically caught eel seeds	tons	1.5	1.0	5.5	4.7	1.8	2.7	1.0	0.6	4.5	3.2	2.2
imported eel seeds	tons	2.1	2.0	8.4	2.7	7.5	7.9	4.3	0.7	5.9	4.9	5
Other eel species	tons	5.9	13.2	2.9	5.1	3.7	0.6	3.7	0.2	0.7	0.5	0
bicolar	tons	3.5	5.8	2.2	4.9	3	0.55	3.5	0.05	0.7	0.5	0
anguilla	tons	0.2	0	0.7	0	0	0	0	0	0	0	0
rostrata	tons	0.5	5.6	0	0.2	0.7	0.05	0.2	0.15	0	0	0
marmorata	tons	0	0	0	0	0	0	0	0	0	0	0
mossambica	tons	1.7	1.8	-	0	0	0	0	0	0	0	0
Total	tons	9.5	16.2	16.8	12.5	13.0	11.2	9.0	1.5	11.1	8.6	7.2

【Notes】:

①The data of input of eel seeds (glass eels and eel fries) into aquaculture ponds are entered by japonica and other eel species, respectively

②The data of japonica are entered by domestical catched seeds and imported seeds, respectively

③However, eel seeds which transferred by other countries and regions are not included in the data of input of eel seeds.

④Unit for input of eel seeds should be weight (kilograms or metrc tons) as far as possible.

⑤When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

⑥The statistic period of the data related to eel seeds (input of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

○footnote（enter the notes with regard to filling data）:

Format 4: Aquaculture production(*3)

Species	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	kg or tons	-	-	-	-	-	-	-	-	-	-	-
Other eel species	kg or tons	-	-	-	-	-	-	-	-	-	-	-
bicolar	kg or tons	-	-	-	-	-	-	-	-	-	-	-
anguilla	kg or tons	-	-	-	-	-	-	-	-	-	-	-
rostrata	kg or tons	-	-	-	-	-	-	-	-	-	-	-
marmorata	kg or tons	-	-	-	-	-	-	-	-	-	-	-
mossambica	kg or tons	-	-	-	-	-	-	-	-	-	-	-
Total	tons	4,259.0	5,149.0	5,631.0	9,009.0	9,836.0	11,095.0	10,530.0	10,885.0	9,724.0	15,678.0	2,807.0

【Notes】:

①The data of aquaculture production are entered by japonica and other eel species, respectively

②Unit for aquaculture production should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Aquaculture production data should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*3 The data is based on 'Survey of recent trends in fishery production' which is official statistics designated by national statistics law. Previous data was provided by Fresh Water Eel Culture Fisheries Cooperative, which has been subsituted by the data above.

Format 5: Other data on aquaculture

Item	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022(*4)
Scale of aquaculture industry	number of aquaculture operators	524	532	536	564	542	555	558	558	572	616	-

【Notes】:

①Unit for scale of aquaculture industry may include the number of aquaculture operator or the dimensions of aquaculture ponds.

②When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

○footnote（enter the notes with regard to filling data）:

*4 As the data has been collected based on December 2021, data for 2022 is not available as for now. The data will be soon updated once it becomes available.

Format 6: Import of eel seeds (glass eels and eel fries)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	glass eel	tons	2.1	2.0	8.4	2.0	7.6	7.9	4.3	1.9	7.0	4.9	5.0
	eel fry (kuroko)	tons	0	0.2	5.6	3.6	3.4	0	11.4	8.4	2.1	21.5	1.9
Total		tons	2.1	2.2	14.00	5.6	11.0	7.9	15.7	10.3	9.1	26.4	6.9
Other eel species	glass eel	tons	5.6	13.9	3.2	5.1	3.5	0.7	3.7	3.0	0.7	1.3	1.1
	eel fry (kuroko)	tons	1.2	37.7	1.3	8.3	18.1	6.2	14.2	13.6	5.3	4.3	0.3
Total		tons	6.8	51.6	4.5	13.4	21.6	6.9	17.9	16.6	6.0	5.6	1.4

【Notes】:

①The data of import of eel seeds (glass eels and eel fries) are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (import of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）: glass eel≤0.3g, 0.3g<eel fry≤30g, 0.3g<eel fry(japonica)≤15g

Format 7: Import of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	live eel	kg or tons											
	broiled eel	kg or tons											
Other eel species		kg or tons											
		kg or tons											
Total		kg or tons											
Anguilla sp(*5)	live eel	tons	137.7	837.0	1,358.8	799.2	615.9	740.6	1,011.9	574.7	2,539.2	1,337.4	1,120.6
	freeze	tons	26.9	43.2	38.3	26.1	63.7	42.1	71.8	55.5	25.3	25.3	24.0
	cold storage	tons	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
	broiled eel	tons	69.2	66.7	69.6	183.9	308.8	583.9	757.8	784.6	906.9	1,257.3	455.5
	Total	tons	233.9	946.9	1,466.8	1,009.2	988.4	1,366.6	1,841.8	1,414.8	3,471.4	2,620.0	1,600.1

【Notes】:

①The data of import of eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of import of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*5 Relevant data is not available by species.

Format 8: Export of eel seeds (glass eels and eel fries)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	glass eel	kg or tons											
	eel fry (kuroko)	kg or tons											
Total		kg or tons											
Other eel species	glass eel	kg or tons											
	eel fry (kuroko)	kg or tons											
Total		kg or tons											
Anguilla sp(*6)	glass eel(*7)	kg	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	1,920.0	5,712.0	0.0
	eel fry (kuroko)(*8)	kg	0.0	0.0	3,262.0	0.0	138.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total	kg	0.0	0.0	3,312.0	0.0	138.0	0.0	0.0	0.0	1,920.0	5,712.0	0.0

【Notes】:

①The data of export of eel seeds are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (export of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*6 Relevant data is not available by species.

*7 Glass eel: below 0.3g & for aquaculture.

*8 Eel fry : between 0.3g to 50g & for aquaculture

Format 9: Export of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
japonica	live eel	kg or tons											
	broiled eel	kg or tons											
Other eel species		kg or tons											
		kg or tons											
Total		kg or tons											
Anguilla sp(*9)	live eel	tons	79.9	2.3	0.1	0.4	0.0	19.4	0.2	0.0	0.6	0.0	0.0
	freeze	tons	11.1	1.1	0.0	0.1	2.1	23.8	25.2	0.3	1.0	1.0	0.1
	cold storage	tons	0.1	0.0	0.0	0.1	0.0	0.0	0.6	0.0	0.2	1.0	0.0
	broiled eel	tons	0.1	7.3	0.3	1.4	3.3	1.1	4.2	5.9	4.7	42.3	15.0
	Total	tons	91.2	10.7	0.4	2.0	5.4	44.3	30.2	6.2	6.5	44.3	15.1

【Notes】:

①The data of export of adult eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of export of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*9 Relevant data is not available by species.

Format 10. Mean value of wight and length of Japanese eel

	Unit	When catching(*10)	When inputing into aquaculture ponds(*10)	When importing	When exporting
glass eel	weight（g）	0.2g	0.2g	<= 0.3g	below 0.3g & for aquaculture
	body length（cm）	5~7cm	5~7cm		
eel fry	weight（g）	0.3g~199g		0.3g<eel fly<=30g 0.3g<eel fly(japonica)<=15g	between 0.3g to 50g & for aquaculture
	body length（cm）	8~59cm			
adult eel	weight（g）	above 200g			
	body length（cm）	above 60cm			

【Notes】:

①The data of weight and length of Japanese eel into aquaculture ponds are entered by glass eel, eel fry and adult eel, respectively.

②The data entered can be either mean value or figures in certain ranges (e.g., XX – YYg or cm). If mean value is available, it should be clearly mentioned in the footnote that the mean

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④"Body length" is the length of a fish measured from the tip of the snout to the posterior end of the last vertebra.

○footnote（enter the notes with regard to write data）:

*10 The data is calculated based on statistics submitted by Fresh Water Eel Culture Fisheries Cooperative, which is not stipulated in national laws.

●Data Sources and/or Methods to collect or estimate the data

(* Please fill in data sources and/or methoods to collect or estimate the data entried in from format 1 to format 14 respectively.)

1. Catch of glass eel	Fresh Water Eel Culture Fisheries Cooperative and Fisheries Monotoring Center of Korea Maritime Institute
2. Catch of eel fry (kuroko)	Not Applicable
3. Catch of wild adult eel	Survey of recent trends in fishery production' by Statistics Korea
4. Fishing effort on glass eel	Not Applicable
5. Fishing effort on eel fry (kuroko)	Not Applicable
6. Fishing effort on wild adult eel	Not Applicable
7. Input of eel seeds into aquaculture ponds	Fresh Water Eel Culture Fisheries Cooperative and Fisheries Monotoring Center of Korea Maritime Institute
8. Aquaculture production	Survey of recent trends in fishery production' by Statistics Korea (not managed by species)
9. Scale of aquaculture industry	Local government
10. Import of eel seeds	National Fishery Products Quality Management Service (NFQS)
11. Import of eel and eel products	Trade Statistics by 'Korea Agro-Fisheries & Food Trade Information (KATI)'

12. Export of eel seeds	Korea International Trade Association
13. Export of eel and eel products	Trade Statistics by 'Korea Agro-Fisheries & Food Trade Information (KATI)'
14. Mean value of wight and length of Japanese eel	Fresh Water Eel Culture Fisheries Cooperative and Fisheries Monotoring Center of Korea Maritime Institute

【Standard Working Formats for Eel Statistics】 Members：Chinese Taipei

Format 1：Data on Catch of Japanese Eel (Data is limited to taken from the wild)

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Catch of glass eel	tons	1.91	0.96	8.25	1.1	3.06	4.5	1.1	2.75	5.2	6.0	1.6(*1)
Catch of eel fry (kuroko)(*2)	kg or tons	-	-	-	-	-	-	-	-	-	-	-
Catch of wild adult eel(*2)	kg or tons	-	-	-	-	-	-	-	-	-	-	-

【Notes】:

①The catch data of Japanese eel are entered by glass eel, eel fry and wild adult eel, respectively.

②Unit for catch of glass eel, eel fry and adult eel should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (catch of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*1 The catch of glass eel 2021-2022 season is preliminary data from 1st November to 20th March.

*2 There are no available statistics for eel fry and wild adult eel fishing fisheries in Chinese Taipei.

Format 2：Data on Fishing effort on Japanese eel

Item	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Fishing effort on glass eel	number of fishing vessels	-	213	232	250	245	251	272	311	363	374	364
Fishing effort on eel fry (kuroko)(*3)	number of licences (or fishermans, fishing vessels)	-	-	-	-	-	-	-	-	-	-	-
Fishing effort on wild adult eel(*3)	number of licences (or fishermans, fishing vessels)	-	-	-	-	-	-	-	-	-	-	-

【Notes】:

①The data of fishing effort on Japanese eel are entered by glass eel, eel fry and adult eel, respectively.

②Examples of unit for fishing effort may include the number of licenses, the number of fishermen or the number of fishing vessels.The unit can be chosen in accordance with each domestic legislations.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④The statistic period of the data related to glass eel and eel fry (fishing effort on glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.), while that for "wild adult eel data" should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*3 There are no available statistics for eel fry and wild adult eel fishing fisheries in Chinese Taipei.

Format 3：Input of eel seeds (glass eels and eel fries (kuroko)) into aquaculture ponds(*4)

Species	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22(*5)
japonica	kg	2,210	1,510	12,500	2,800	3,600	7,300	1,030	834	8,144	4,558	606
domestically caught eel seeds	kg	-	-	-	-	-	-	-	-	-	-	-
imported eel seeds	kg	-	-	-	-	-	-	-	-	-	-	-
Other eel species	kg	5,500	10,000	1,450	200	80	100	50	141	124	114	25
bicolar	kg	-	-	-	-	-	-	-	-	-	-	-
anguilla	kg	-	-	-	-	-	-	-	-	-	-	-
rostrata	kg	-	-	-	-	-	-	-	-	-	-	-
marmorata	kg	-	-	-	-	-	-	-	-	-	-	-
mossambica	kg	-	-	-	-	-	-	-	-	-	-	-
Total	kg	7,710	11,510	13,950	3,000	3,680	7,400	1,080	975	8,267	4,672	631

【Notes】:

①The data of input of eel seeds (glass eels and eel fries) into aquaculture ponds are entered by japonica and other eel species, respectively

②The data of japonica are entered by domestical catched seeds and imported seeds, respectively

③However, eel seeds which transferred by other countries and regions are not included in the data of input of eel seeds.

④Unit for input of eel seeds should be weight (kilograms or metrc tons) as far as possible.

⑤When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

⑥The statistic period of the data related to eel seeds (input of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

○footnote（enter the notes with regard to filling data）:

*4 Because the eel culture industry in Chinese Taipei has some characteristics, such as several breeding stages and longer seed stocking time, the data would be expressed in total statistics.

Format 4: Aquaculture production(*6)

Species	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021(*7)	2022
japonica	tons	2,244	1,500	1,675	5,187	4,658	3,665	4,134	3,526	1,681	5,093	-
Other eel species	tons	-	404	228	394	154	81	142	142	167	151	-
bicolar	tons	-	-	-	-	-	-	-	-	-	-	-
anguilla	tons	-	-	-	-	-	-	-	-	-	-	-
rostrata	tons	-	-	-	-	-	-	-	-	-	-	-
marmorata	tons	-	-	-	-	-	-	-	-	-	-	-
mossambica	tons	-	-	-	-	-	-	-	-	-	-	-
Total	tons	2,244	1,904	1,903	5,581	4,812	3,746	4,276	3,668	1,848	5,244	-

【Notes】:

①The data of aquaculture production are entered by japonica and other eel species, respectively

②Unit for aquaculture production should be weight (kilograms or metrc tons) as far as possible.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Aquaculture production data should be the calendar year.

○footnote（enter the notes with regard to filling data）:

*6 The eel aquaculture production statistics in Chinese Taipei, which are divided into two categories 'Japanese eel' and 'other eel species', are reported by local governments. Thus, the data would be expressed in total statistics.

*7 The aquaculture production in 2021 is preliminary data.

Format 5: Other data on aquaculture

Item	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021(*8)	2022
Scale of aquaculture industry	hectares of aquaculture area	449	305	456	391	392	409	341	241	317	448	-

【Notes】:

①Unit for scale of aquaculture industry may include the number of aquaculture operator or the dimensions of aquaculture ponds.

②When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

○footnote（enter the notes with regard to filling data）:

*8 The hectares of aquaculture area in 2021 is preliminary data.

Format 6: Import of eel seeds (glass eels and eel fries)(*9)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22(*10)
japonica	glass eel	tons	1.32	0.66	2.00	0.60	0.40	0.70	0.88	0.13	2.23	0.52	0.05
	eel fry (kuroko)	tons	0.51	0.71	4.30	0.10	0.80	2.00	0.09	0.06	7.85	1.27	-
Total		tons	1.8	1.4	6.3	0.7	1.2	2.7	1.0	0.2	10.1	1.8	-
Other eel species(*11)	glass eel	tons	-	-	-	-	-	-	-	-	-	-	-
	eel fry (kuroko)	tons	-	-	-	-	-	-	-	-	-	-	-
Total		tons	-	-	-	-	-	-	-	-	-	-	-

【Notes】:

①The data of import of eel seeds (glass eels and eel fries) are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (import of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*9 The CCC(Import and Export Commodity Classification of Chinese Taipei) codes are 3019220109[Glass eel (over 5,000 pcs per Kg)], 3019220207[Eel fry (501-5,000 pcs per Kg)] and 3019220305[Young eel (11-500 pcs per Kg)].

*10 The data of import of eel seeds 2021-22 is from 1st January to 31st March.

*11 According to the statistic of Customs Administration, Ministry of Finance and the CCC(Import and Export Commodity Classification of Chinese Taipei) codes, there are no available statistics for other eel species.

Format 7: Import of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022(*12)
japonica	live eel	tons	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
	broiled eel	tons	0.0	0.0	0.0	0.0	0.1	6.5	0.0	0.0	188.6	37.7	0.04
Other eel species(*13)	live eel	tons	10.7	7.7	28.3	4.5	0.6	3.3	2.2	4.2	0.0	0.0	-
		tons	-	-	-	-	-	-	-	-	-	-	-
Total		tons	11.0	7.7	28.3	4.5	0.9	14.1	2.2	4.2	314.3	62.9	0.04

【Notes】:

①The data of import of eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of import of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for import of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*12 The data of import of eel and eel products 2022 is from 1st January to 31st March.

*13 According to the statistic of Customs Administration, Ministry of Finance and the CCC(Import and Export Commodity Classification of Chinese Taipei) codes, there are no available statistics for broiled eel of other eel species.

Format 8: Export of eel seeds (glass eels and eel fries)(*14)

Species	Type/Size	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
japonica	glass eel	tons	0.87	0.10	0.15	0.00	0.00	0.00	0.26	0.00	0.00	0.23	-
	eel fry (kuroko)	tons	0.40	0.02	0.01	0.00	0.10	0.00	2.89	0.07	1.06	5.39	-
Total		tons	1.27	0.12	0.16	0.00	0.10	0.00	3.15	0.07	1.06	5.62	-
Other eel species(*15)	glass eel	tons	-	-	-	-	-	-	-	-	-	-	-
	eel fry (kuroko)	tons	-	-	-	-	-	-	-	-	-	-	-
Total		tons	-	-	-	-	-	-	-	-	-	-	-

【Notes】:

①The data of export of eel seeds are entered by japonica and other eel species, respectively

②The statistic period of the data related to eel seeds (export of glass eel and eel fry) should be the fishing season of glass eel and eel fry ("20XX-XX+1"means the input season which starts from 1st Novemver, 20XX to 31st October, 20XX+1.).

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel seeds should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*14 The CCC(Import and Export Commodity Classification of Chinese Taipei) codes are 3019220109[Glass eel (over 5,000 pcs per Kg)], 3019220207[Eel fry (501-5,000 pcs per Kg)] and 3019220305[Young eel (11-500 pcs per Kg)].

*15 According to the statistic of Customs Administration, Ministry of Finance and the CCC(Import and Export Commodity Classification of Chinese Taipei) codes, there are no available statistics for other eel species.

Format 9: Export of eel and eel products

Species	Type/Size	Unit	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022(*16)
japonica	live eel	tons	1,362.7	866.8	891.6	2845.1	2544.4	2030.4	2396.4	1862.3	1009.1	1417.3	318.0
	broiled eel	tons	370.9	176.0	153.4	561.7	230.2	135.3	162.8	94.4	56.7	238.9	37.3
Other eel species	live eel	tons	95.0	18.6	19.8	13.6	0.0	18.1	48.0	12.9	0.0	0.0	-
	broiled eel(*17)	tons	-	-	-	-	-	-	-	-	-	-	-
Total		tons	1,828.6	1,061.4	1,064.8	3,420.4	2,774.6	2,183.8	2,607.2	1,969.7	1,065.9	1,656.2	355.4

【Notes】:

①The data of export of adult eel and eel products are entered by japonica and other eel species, respectively

②Examples of type/size of export of eel and eel product may include live eel, frozen eel, chilled eel or broiled eel.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④Unit for export of eel and eel products should be weight (kilograms or metrc tons) as far as possible.

○footnote（enter the notes with regard to filling data）:

*16 The data of Export of eel and eel products 2022 is from 1st January to 31st March.

*17 According to the statistic of Customs Administration, Ministry of Finance and the CCC(Import and Export Commodity Classification of Chinese Taipei) codes, there are no available statistics for broiled eel of other eel species.

Format 10. Mean value of weight and length of Japanese eel(*18,19)

	Unit	When catching	When inputing into aquaculture ponds	When importing	When exporting
glass eel	weight(g)	-	-	-	-
	body length(cm)	-	-	-	-
eel fry	weight(g)	-	-	-	-
	body length(cm)	-	-	-	-
adult eel	weight(g)	-	-	-	-
	body length(cm)	-	-	-	-

【Notes】:

①The data of weight and length of Japanese eel into aquaculture ponds are entered by glass eel, eel fry and adult eel, respectively.

②The data entered can be either mean value or figures in certain ranges (e.g., XX – YYg or cm). If mean value is available, it should be clearly mentioned in the footnote that the mean value of weight and length figures put in ① above are based on biological or administrative standards or figures obtained from industry associations, etc.

③When there are no relevant data or data is not available, "-" should be entered. When data is identified as zero, "0" should be entered.

④"Body length" is the length of a fish measured from the tip of the snout to the posterior end of the last vertebra.

○footnote（enter the notes with regard to filling data）:

*18 Because the eel culture industry in Chinese Taipei has some characteristics, such as several breeding stages and longer seeds stocking time, there are no available statistics for mean value of weight and length of Japanese eel.

*19 According to the statistic of Customs Administration, Ministry of Finance, the CCC(Import and Export Commodity Classification of Chinese Taipei) codes are 3019220109[Glass eel (over 5,000 pcs per Kg)], 3019220207[Eel fry (501-5,000 pcs per Kg)] and 3019220305[Young eel (11-500 pcs per Kg)].

●Data Sources and/or Methods to collect or estimate the data

(* Please fill in data sources and/or methoods to collect or estimate the data entried in from format 1 to format 14 respectively.)

1. Catch of glass eel	The data of catch of glass eel originates from the Taiwan Fisheries Statistical Yearbook. The local governments collect the data through regional fisherman's associations and report to Fisheries Agency seasonally. If there is any unreasonable point found, Fisheries Agency will request the local governments recheck and reconfirm. Besides, Japanese eel is the majority of species (Anguilla spp) but it may possibly cover a little of other eel species. The original unit for catch of glass eel is PCs and it has been conversed to weight by the rate of 5,000 PCs/ Kg. Besides, the fishing periods year has been adopted from 2011.Hence, it might be difficult to retrace the original condition, so only reasonable data are provided. The data of 2013 is estimated number, which could be adjusted after confirmed.
2. Catch of eel fry (kuroko)	There are no available statistics for eel fry fishing fisheries in Chinese Taipei.
3. Catch of wild adult eel	There are no available statistics for wild adult eel fishing fisheries in Chinese Taipei.
4. Fishing effort on glass eel	The number of fishing vessel, which is authorized to catch glass eel.
5. Fishing effort on eel fry (kuroko)	There are no available statistics for eel fry fishing fisheries in Chinese Taipei.
6. Fishing effort on wild adult eel	There are no available statistics for wild adult eel fishing fisheries in Chinese Taipei.
7. Input of eel seeds into aquaculture ponds	The data of Japanese eel and other eel are compiled by Taiwan eel farming industry development foundation based on the reports from its member on input.
8. Aquaculture production	
9. Scale of aquaculture industry	The scale of aquaculture is measured by aquaculture area (hectare). The data of aquaculture area originate from the Taiwan Fisheries Statistical Yearbook. The local governments collect the data through the oral questionnaire surveyed by the offices of village, town, or district, and report to Fisheries Agency seasonally. If there is any unreasonable point found, Fisheries Agency will request the local governments recheck and reconfirm. The data of 2013 is estimated number, which could be adjusted after confirmed.

10. Import of eel seeds	The data of importation is derived from the statistic of Customs Administration, Ministry of Finance. The CCC(Import and Export Commodity Classification of Chinese Taipei) code are 3019220109[Glass eel (over 5,000 pcs per Kg)], 3019220207[Eel fry (501-5,000 pcs per Kg)] and 3019220305[Young eel (11-500 pcs per Kg)].
11. Import of eel and eel products	The data of exportation is derived from the statistic of Customs Administration, Ministry of Finance. The CCC(Import and Export Commodity Classification of Chinese Taipei) code are 03019210101(Live Japanese eel), 16041700125(Prepared eel), 16041910130(Roasted eel), 03019210904(Anguilla spp.), 03019929307(Anguilla australis) and 03019210209(Anguilla marmorata). Besides, since 2013, the CCC code of Prepared eel has been changed as 16041700116 and Roasted eel as 16041700125.
12. Export of eel seeds	The data of exportation is derived from the statistic of Customs Administration, Ministry of Finance. The CCC(Import and Export Commodity Classification of Chinese Taipei) code are 3019220109[Glass eel (over 5,000 pcs per Kg)], 3019220207[Eel fry (501-5,000 pcs per Kg)] and 3019220305[Young eel (11-500 pcs per Kg)].
13. Export of eel and eel products	The data of exportation is derived from the statistic of Customs Administration, Ministry of Finance. The CCC(Import and Export Commodity Classification of Chinese Taipei) code are 03019210101(Live Japanese eel), 16041700125(Prepared eel), 16041910130(Roasted eel), 03019210904(Anguilla spp.), 03019929307(Anguilla australis) and 03019210209(Anguilla marmorata). Besides, since 2013, the CCC code of Prepared eel has been changed as 16041700116 and Roasted eel as 16041700125.
14. Mean value of wight and length of Japanese eel	The data of exportation is derived from the statistic of Customs Administration, Ministry of Finance. The CCC(Import and Export Commodity Classification of Chinese Taipei) codes are 3019220109[Glass eel (over 5,000 pcs per Kg)], 3019220207[Eel fry (501-5,000 pcs per Kg)] and 3019220305[Young eel (11-500 pcs per Kg)].