

Basic Biological Data from Fish Caught during the Beaufort Sea Marine Fishes Project (BSMFP), August and September 2012

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ABSTRACT

Atchison, S., Majewski, A.R., Morrison, C., Ouellette, M., Woodard, K., and Reist., J.D. 2022. Basic Biological Data from Fish Caught during the Beaufort Sea Marine Fishes Project (BSMFP), August and September 2012. Can. Data Rep. Fish. Aquat. Sci. 1303: ix + 245 p.

From August 5th to September 3rd, 2012, Fisheries and Oceans Canada conducted a baseline survey of marine fishes and their habitats in the southern Canadian Beaufort Sea as part of the Beaufort Regional Environmental Assessment called the Beaufort Sea Marine Fishes Project (BSMFP). Sampling was conducted from the F/V *Frosti* at 28 stations along four transects. Standardized sampling was conducted at pre-determined depth stations (20-40, 75, 200, 350, 500, 750, and 1000 m) using benthic trawling nets. The BSMFP is the first research project to use large research trawls to assess the biodiversity and abundance of offshore marine fishes in this area. In total, 40 species of fish were caught, four of which were new occurrences to Canadian fish fauna and eight of which were new occurrences in the Canadian Beaufort Sea. This report contains information on fishing net deployments, catch per unit effort (CPUE), and basic biological data for all fishes caught.

RÉSUMÉ

Atchison, S., Majewski, A.R., Morrison, C., Ouellette, M., Woodard, K., and Reist., J.D. 2022. Basic Biological Data from Fish Caught during the Beaufort Sea Marine Fishes Project (BSMFP), August and September 2012. Can. Data Rep. Fish. Aquat. Sci. 1303: ix + 245 p.

Du 5 août au 3 septembre 2012, Pêches et Océans Canada a effectué un relevé de référence des poissons marins et de leurs habitats dans le sud de la mer de Beaufort du Canada dans le cadre de l'évaluation environnementale régionale de Beaufort appelée le Beaufort Sea Marine Fishes Project (BSMFP). L'échantillonnage a été effectué à partir du navire de pêche *Frosti* à 28 stations le long de quatre transects. L'échantillonnage normalisé a été effectué à des stations de profondeur prédéterminées (20-40, 75, 200, 350, 500, 750 et 1 000 mètres) à l'aide de chaluts benthiques. Le BSMFP est le premier projet de recherche à utiliser de grands chaluts de recherche pour évaluer la biodiversité et l'abondance des poissons marins en mer dans cette région. Au total, 40 espèces de poissons ont été capturées, dont quatre étaient de nouvelles occurrences pour la faune aquatique canadienne et huit étaient de nouvelles occurrences dans la partie canadienne de la mer de Beaufort. Ce rapport contient des renseignements sur le déploiement des filets de pêche, les captures par unité d'effort (CPUE) et les données biologiques de base pour tous les poissons capturés.

ACKNOWLEDGEMENTS

This project was funded in part by the Beaufort Regional Environmental Assessment program administered by Aboriginal Affairs and Northern Development Canada, the Environmental Studies Research Fund administered by Natural Resources Canada (NRCan), the Program for Energy Research and Development (NRCan), Fisheries and Oceans Canada's International Governance Strategy and National Conservation Plan as well as other DFO funds, the Joint Secretariat of the Inuvialuit Settlement Region and ArcticNet. Thanks to the late Charles Ruben (Paulatuk) and to Lorena Edenfield (University of Alaska Fairbanks) for their assistance with field work. We are grateful to the Inuvialuit Game Council and the Fisheries Joint Management Committee for supporting this project and for providing valuable input to the study design and logistics. Thank you to Noel Alfonzo and Stéphanie Tessier (Canadian Museum of Nature), Peter Rask Møller (University of Copenhagen), and Natalia Chernova (Russian Academy of Sciences) for providing expert taxonomic identifications.

INTRODUCTION

In August 2010, funding for the Beaufort Regional Environmental Assessment (BREA; www.beaufortrea.ca) was announced. The overarching aim of the BREA was to gather information on regional environmental and socio-economic topics to support regulatory and management issues surrounding potential oil and gas development in the Beaufort Sea. The BREA was administered by Aboriginal Affairs and Northern Development Canada, and was designed to address numerous components of the regulatory process, including: cumulative effects, climate change, social, cultural and economic indicators, oil spill preparedness and response, waste management, and information management. The BREA gathered baseline data on ecosystems (e.g., marine, terrestrial, sea ice), biota (e.g., marine mammals, fish, birds), processes (e.g., biogeochemistry, ocean circulation, geology), as well as human and socio-economic benchmarks from which changes and effects could be gauged.

Offshore marine fishes and habitats in the Beaufort Sea were identified as Tier 1 knowledge gaps by the BREA (Kavik-Axys Inc. et al. 2008). In response, Fisheries and Oceans Canada (DFO) conducted a baseline survey of marine fishes and associated habitat and food web parameters in the offshore Beaufort Sea, called the Beaufort Sea Marine Fishes Project (BSMFP).

The objectives of the BSMFP were to establish regional baselines for 1) occurrences, diversity, relative abundances and distributions of offshore marine fishes; 2) associations between fishes, physical/chemical habitat parameters, and prey availability; and, 3) ecosystem linkages and energy pathways within and amongst marine habitats (i.e., nearshore-shelf, offshore shelf, slope, deepwater slope, and pelagic). This information is intended to inform regulatory and decision-making processes and to provide a baseline dataset from which future monitoring and impacts (i.e., climate change and development) may be assessed.

Prior to the BSMFP, the diversity, distributions, and relative abundances of fishes in the offshore (>200 m depth) Canadian Beaufort Sea had not been studied comprehensively. Previous research programs such as the Northern Oil and Gas Action Plan (NOGAP, 1983 – 1991) and Northern Coastal Marine Studies program (NCMS, 2002 - 2010) focused on the Mackenzie estuary and near-shore Beaufort Sea to approximately 150 m depth (Walkusz and Williams 2013). The fishing component of the NOGAP program focused primarily on ichthyoplankton (Hopky et al. 1994a, 1994b, 1994c; Chiperzak et al. 2003a, 2003b, 2003c). The NCMS program used small-scale benthic and pelagic trawls (i.e., 3 m beam trawls), and multi-mesh gill nets to assess the diversity and relative abundances of small-bodied marine fishes on the Canadian Beaufort Shelf (Majewski et al. 2006, 2009a, 2009b, 2011; Lowdon et al. 2011).

To address baseline knowledge gaps pertaining to offshore lease areas, a benthic trawling survey was conducted in August and September 2012 at pre-determined depth stations (20 - 1000 m) along four transects. Concurrent sampling of biotic and abiotic habitat parameters was undertaken to gather information regarding ecosystem structure and food web dynamics (e.g.,

Eert et al. 2015; Giraldo et al. 2015; Majewski et al. 2016). This data report provides a summary of marine fishes data collected during the 2012 BSMFP.

MATERIALS AND METHODS

STUDY AREA

The BSMFP study took place in the southern Canadian Beaufort Sea (latitude: 69°N to 71°N; longitude: 130°W to 140°W) between August 5th and September 3rd 2012. The study area was bound by the Beaufort Sea Large Ocean Management Area (LOMA), which consists of the marine portion of the Inuvialuit Settlement Region (ISR), an area that encompasses approximately 1,107,694 km² (Figure 1). As described in Cobb et al. (2008), the area is characterized by the shallow, several-hundred-kilometer wide Beaufort Continental Shelf (to a depth of approximately 100 m), and a relatively steep shelf break to depths of 1000 m, beyond which the Beaufort Sea continues to drop to depths exceeding several thousand meters in the Canada Basin. Water masses in the Beaufort Sea are delineated into relatively stable layers: surface and mixed layers (0 - 50 m), Pacific water mass (50 – 200 m), Thermohalocline (200 – 300 m), Atlantic water mass (300 – 900 m), and Arctic water mass (>900 m) (McLaughlin et al. 1996; Majewski et al. 2015).

SAMPLING

Sampling was conducted from the F/V *Frosti*, a 39.9 m, ice-strengthened (class ‘C’) factory stern trawler chartered from Frosti Fishing Ltd., Nanoose Bay, BC, Canada.

Transect and Station Sampling

Sampling was conducted at pre-determined stations along four transects: Dalhousie (DAL), Kugmallit (KUG), Garry (GRY), and Transboundary (TBS) (Figure 1). DAL, KUG, and GRY, extended work from the NCMS into deeper waters, including coverage of deep-water oil and gas lease blocks. GRY and TBS were considered part of a Transboundary Collaboration undertaken with the University of Alaska Fairbanks and the United States Bureau of Ocean Energy Management (BOEM).

Stations along each transect occurred at pre-selected depths (20-40, 75, 200, 350, 500, 750, and 1000 m) for broad coverage of benthic habitats (i.e., shelf, upper-slope and lower-slope) spanning the continental shelf and slope and regional water mass structures, with specific emphasis on deep-water (>200m) habitats. In general, station sampling was conducted starting from the southernmost extent of a transect, moving northward (i.e., shallowest to deepest station). Stations were defined by a 1 nautical mile (nm) radius from a predetermined center point.

Sampling depths at the shallowest stations (20-40 m) were adjusted in the field to avoid areas where intensive ice-scouring would prevent trawling. Other station depths were adjusted as necessary to facilitate issues that arose with either net performance and/or bottom type. Due to

lack of suitable bottom for trawling, the 1000 m and 750 m stations along the GRY and TBS transects (respectively) were adjusted to 850 m.

Fish nets and deployments

Two fishing nets were deployed: a modified Atlantic Western Ila otter trawl (W2A) and a 3 m hi-lift benthic beam trawl (BBT). The W2A had a 22.86 m headline and a 21.23 m footrope. The codend was lined with 1.27 cm stretched mesh. The BBT had a 4.27 m headline and a 4.27 m footrope outfitted with 10.16 cm diameter rock hopper discs. The codend was lined with 0.63 cm stretched mesh.

The W2A was deployed at all depths while the BBT was deployed up to and including depths of 500 m. Each net deployment was assigned a unique deployment ID consisting of the net abbreviation and a sequential number (e.g., w2a_001, w2a_002). Target tow times were 20 min of continuous bottom contact per station. Due to sediment accumulation in the BBT, deployments were adjusted to two separate 10 min tows. Fish collected from these tows were pooled in the field and the tow deployment IDs were combined (e.g., bbt_007_008), except the first four trawls which were kept separate.

The station ID and coordinates, target depth, sampling dates, and net deployments associated with each of the 28 stations sampled, including start/end coordinates and sampling time, are listed in Table 1. Net deployment information for all tows, including set depth (m), cable out (m), tow duration (s), average ship speed (m/s), distance travelled (m), average door spread (m), average vertical height (m), area swept (m²), and standard/non-standard tow (see below) is given in Tables 2 (W2A) and 3 (BBT).

Standardized tows

Tows were considered “standard” when they fell within the target parameters of net performance and towing speed. For the W2A, a tow was considered standard if it met the following criteria: average towing speed was between 1.4 – 1.6 m/s, with a target speed of 1.5 m/s, had consistent trawl door performance (i.e., neither trawl door collapsed during towing), there was a minimum of three door spread measurements recorded, the trawl did not hang-up on the bottom (i.e., twisted net, net caught on the bottom), the bottom contact sensor was functioning, and the net did not collect excessive amounts of sediments that could not be easily flushed prior to bringing the codend on board. For the BBT, a tow was considered standard if the average towing speed was between 0.93 – 1.13 m/s, with a target speed of 1.03 m/s, the trawl did not hang-up on the bottom, the net did not collect excessive amounts of sediments that could not be easily flushed prior to bringing the codend on board, and the net maintained bottom contact during the tow. Fish were kept from both standard and non-standard tows. While fish from non-standard tows were unable to be used to calculate CPUE, these fish were still kept for biological processing and presence/absence analysis. Unless otherwise specified, results are presented for standard tows only.

FISH PROCESSING

Field Processing

Upon retrieval of the codend of the respective net, the catch was emptied into 100 L tubs and transferred to 69 cm x 49 cm stainless steel wash frames with 2360 μm (U.S. Std. #8) stainless steel mesh bottoms. Fish were rinsed of mud, separated from the invertebrate catch, and sorted to taxonomic family level. Each family grouping was weighed to the nearest gram using a marine compensated scale with either a 0 - 3 kg or 0 - 15 kg capacity. Typically, the first 100 fish of a given species were processed individually (see below). Numerically abundant hauls, with > 100 fish for a given species, were processed in bulk (see below) following individual processing of the initial 100 fish.

Individual processing

The first 100 fish of each species in a catch were identified to the lowest taxonomic level possible and assigned a species code (Table 4). Each fish was measured to the nearest mm (fork length or total length for protocercal or diphyercal families) using digital calipers or a standard fish measuring board. Individual fish were placed into Whirl-Pak bags and were assigned a unique identification number stamped into an aluminum tree tag. Fish were then flash frozen in a -50 °C freezer, and later transferred to a -30 °C freezer for the duration of the cruise. Following the return of the ship to port in Steveston, BC, fish samples were shipped frozen to the Freshwater Institute science laboratory in Winnipeg, MB for further laboratory processing (see below).

Bulk processing

In instances where there were more than 100 fish of a given species in a catch (typical for *Boreogadus saida*), the first 100 fish of a species were processed as per “*individual processing*” above, and the remainder were “*bulk processed*”. The next 100 fish were measured individually to the nearest mm (fork length or total length for protocercal or diphyercal families) using digital calipers or a standard fish measuring board, and bagged in groups of 20 (i.e., bulk bagged). These bags were assigned a single unique identification number. Any remaining fish were counted, without individual measurements being taken, and bagged in groups of 20 fish, with one unique identification number per bag. To avoid a size-related bias among bags, prior to individual processing, fish were put in a 19 L bucket with seawater and mixed. Using a scoop, fish were removed from the bucket until individual and bulk processing was complete. All bulk samples were frozen onboard as described above, and shipped frozen to Winnipeg, MB for further processing after the ship’s return to port.

Voucher Specimens

Up to 5 voucher specimens were taken for each species and preserved in 10 % formalin to capture intraspecific variation. Prior to specimen preservation, a fin clip for DNA was taken and preserved in 95 % ethanol. Upon return to Winnipeg, MB, voucher specimens were rinsed with water and placed into 70 % ethanol for long-term storage.

Special Request Processing

DNA and RNA samples were taken from 10 randomly selected *Boreogadus saida* from each net haul. DNA samples were preserved in 95 % ethanol while RNA was preserved using RNAlater. All tissue samples were handled with ethanol cleaned instruments while wearing nitrile gloves.

Laboratory Processing

Laboratory processing of fish was undertaken at the DFO's Freshwater Institute science laboratory in Winnipeg, MB.

Individual fish processing

Basic biological processing consisted of species identification using published (e.g., Scott and Scott 1988; Mecklenburg et al. 2002; Coad and Reist 2004) and unpublished resources, recording total or fork and standard lengths to nearest mm, recording round (0.1 g), gonad and liver weights (0.01 g), and otolith removal. Sex and maturity for teleost fishes were evaluated using criteria from McGowan (1987) (Appendix 1, Table A-1), while elasmobranch (i.e., skates) maturity was evaluated using Matta and Gunderson (2007) (Appendix 1, Table A-2).

Bulk lab processing

Bulk-packaged Gadidae specimens were subject to a reduced processing protocol that consisted of species identification, measuring fork and standard lengths (nearest mm), and recording round weight (0.1 g).

Specialized tissue sampling

Where requested by collaborators, tissues were removed from fish (from both individual or bulk processed fish) for follow-on analysis of DNA, stable isotopes, fatty acids, and contaminants. For DNA studies, a 0.5 cm x 0.5 cm piece of pectoral fin was preserved in 95 % ethanol. For stable isotopes, between 1-5 g of epaxial muscle was removed and desiccated (Stasko et al. 2016). To reduce degradation of fatty acids, fish were processed for biological information using an ice bath. They were then cut in half laterally (including the spine and internal organs but excluding the digestive tract) and homogenized (Giraldo et al. 2015). Tissues for contaminants were preserved once other tissue sampling had been performed by vacuum sealing either > 40 g of muscle of large fish or the remaining tissues of small fish.

Voucher Specimens

In addition to those preserved at sea, five voucher specimens from each species identified or confirmed in the lab were preserved. Prior to specimen preservation, a fin clip for DNA was taken and preserved in 95 % ethanol. Voucher specimens were preserved in 10 % formalin for a minimum of 7 days, then rinsed with water and placed in 70 % ethanol for long-term storage. Vouchers were sent for final taxonomic verification to either the Canadian Museum of Nature in Ottawa, Canada (adult fish, all families except Zoarcidae), the Natural History Museum of Denmark (adult Zoarcidae only), or Huntsman Marine Science Centers' Atlantic Reference

Centre (juvenile fish, all families). Voucher specimens are housed at the DFO offices in Winnipeg, MB, and Inuvik, NT, and the Canadian Museum of Nature, Ottawa, ON.

CALCULATIONS

The following calculations are used within this data report:

$$\text{Distance (m)} = \text{Tow duration (s)} \times \text{ship speed (m/s)}$$

$$\text{Area swept (m}^2\text{)} = \text{Distance (m)} \times \text{Door spread(m)}$$

$$\text{Area swept (km}^2\text{)} = \frac{\text{Distance (m)} \times \text{Door spread(m)}}{1000000}$$

$$\text{catch per unit effort (CPUE)} = \frac{\text{Number of fish}}{\text{Area swept (km}^2\text{)}}$$

RESULTS

CATCH SUMMARY

A total of 4830 fish were caught representing 41 species from 11 families; 157 fish were not identified to the species level, with 44 of those fish being unidentified *Liparis sp.* 4346 fish were caught during standard tows, representing 39 species from 11 families; 154 fish were not identified to the species level. For the W2A trawls, a total of 3913 fish were caught during standard tows representing 36 species from 11 families; 104 fish could not be identified to the species level. For the BBT trawls, a total of 433 fish were caught during standard tows representing 29 species from 9 families; 50 fish could not be identified to the species level.

Prior to the 2012 BSMFP expedition, 72 species of marine (52 species) and anadromous (20 species) fishes were known from the Canadian Beaufort Sea (Coad and Reist 2018). Of the 40 species caught in 2012, four were new occurrences to Canadian fish fauna and eight were new occurrences in the Canadian Beaufort Sea. Table 4 contains a full list of taxa caught during the 2012 field season from standard and non-standard tows and indicates which species are new records to Canada or the Canadian Beaufort Sea.

RESULTS BY TRANSECT

This section reports a summary of catch data for fish caught during standard tows only. A full table of basic biological data for all fish caught during the 2012 expedition is available in Appendix 2.

Dalhousie (DAL)

For the W2A, a total of 992 fish were caught along the DAL transect, representing 29 species from 11 families. Of these, 53 fish could not be identified to the species level due to

either their early life stages or poor condition. For the BBT, a total of 86 fish were caught, representing 9 species from 6 families. Of these, 9 fish could not be identified to the species level due to either their early life stages or poor condition.

Catch per unit effort (CPUE) by family and station is shown in Figures 2 (W2A) and 3 (BBT), while CPUE for each station, by the lowest taxonomic level possible, is shown in Tables 5 (W2A) and 6 (BBT). The min, max, and mean values of total/fork length (mm) and round weight (g) are summarised in Tables 7 (W2A) and 8 (BBT), while Tables 9 (W2A) and 10 (BBT) show sex and maturity stage data.

Kugmallit (KUG)

For the W2A, a total of 655 fish were caught along the KUG transect, representing 21 species from 8 families. Of these, 6 fish could not be identified to the species level due to either their early life stages or poor condition. For the BBT, a total of 118 fish were caught, representing 15 species from 7 families. Of these, 35 fish could not be identified to the species level due to either their early life stages or poor condition.

CPUE by family and station is shown in Figures 4 (W2A) and 5 (BBT), while CPUE for each station, by the lowest taxonomic level possible, is shown in Tables 11 (W2A) and 12 (BBT). The min, max, and mean values of total/fork length (mm) and round weight (g) are summarised in Tables 13 (W2A) and 14 (BBT), while Tables 15 (W2A) and 16 (BBT) show sex and maturity stage data.

Garry (GRY)

For the W2A, a total of 1034 fish were caught along the GRY transect, representing 20 species from 9 families. Of these, 38 fish could not be identified to the species level due to either their early life stages or poor condition. For the BBT, a total of 70 fish were caught, representing 13 species from 6 families. Of these, 3 fish could not be identified to the species level due to either their early life stages or poor condition.

CPUE by family and station is shown in Figures 6 (W2A) and 7 (BBT), while CPUE for each station, by the lowest taxonomic level possible, is shown in Tables 17 (W2A) and 18 (BBT). The min, max, and mean values of total/fork length (mm) and round weight (g) are summarised in Tables 19 (W2A) and 20 (BBT), while Tables 21 (W2A) and 22 (BBT) show sex ratio and maturity stage data.

Transboundary (TBS)

For the W2A, a total of 1232 fish were caught along the TBS transect, representing 16 species from 8 families. Of these, 7 fish could not be identified to the species level due to either their early life stages or poor condition. For the BBT, a total of 159 fish were caught, representing 23 species from 7 families. Of these, 3 fish could not be identified to the species level due to either their early life stages or poor condition.

CPUE by family and station is shown in Figures 8 (W2A) and 9 (BBT), while CPUE for each station, by the lowest taxonomic level possible, is shown in Tables 23 (W2A) and 24 (BBT). The min, max, and mean values of total/fork length (mm) and round weight (g) are summarised in Tables 25 (W2A) and 26 (BBT), while Tables 27 (W2A) and 28 (BBT) show sex ratio and maturity stage data.

REFERENCES

- Chiperzak, D.B., Hopky, G.E., Lawrence, M.J., Schmid, D.F., and Reist, J.D. 2003a. Larval and post-larval fish data from the Canadian Beaufort Sea shelf, July to September, 1985. *Can. Data. Rep. Fish. Aquat. Sci.* 1119: iv + 116 p.
- Chiperzak, D.B., Hopky, G.E., Lawrence, M.J., Schmid, D.F., and Reist, J.D. 2003b. Larval and post-larval fish data from the Canadian Beaufort Sea shelf, July to September, 1986. *Can. Data. Rep. Fish. Aquat. Sci.* 1120: iv + 153 p.
- Chiperzak, D.B., Hopky, G.E., Lawrence, M.J., Schmid, D.F., and Reist, J.D. 2003c. Larval and post-larval fish data from the Canadian Beaufort Sea shelf, July to September, 1987. *Can. Data. Rep. Fish. Aquat. Sci.* 1121: iv + 84 p.
- Coad, B.W., and Reist, J.D. 2004. Annotated list of the Arctic marine fishes of Canada. *Can. MS Rep. Fish. Aquat. Sci.* 2674: iv + 112 p.
- Coad, B.W., and Reist, J.D. 2018. *Fishes of Arctic Canada*. University of Toronto Press, Toronto, Ont.
- Cobb, D., Fast, H., Papst, M.H., Rosenberg, D., Rutherford, R., and Sareault, J.E. 2008. Beaufort Sea Large Ocean Management Area: Ecosystem overview and assessment report. *Can. Tech. Rep. Fish. Aquat. Sci.* 2780: ii-ix + 188 p.
- Eert, J., Meisterhans, G., Michel, C., Niemi, A., Reist, J.D., and Williams, W.J. 2015. Physical, chemical and biological oceanographic data from the Beaufort Regional Environmental Assessment: Marine Fishes Project, August-September 2012. *Can. Data. Rep. Hydrogr. Ocean. Sci.* 197: vii + 84 p.
- Giraldo, C., Stasko, A., Choy, E.S., Rosenberg, B., Majewski, A.R., Power, M., Swanson, H., Loseto, L., and Reist, J.D. 2015. Trophic variability of Arctic fishes in the Canadian Beaufort Sea: A fatty acids and stable isotopes approach. *Polar Biol.* **39**: 1267-1282. doi: 10.1007/s00300-015-1851-4
- Hopky, G.E., Lawrence, M.J., and Chiperzak, D.B. 1994a. NOGAP B2; Zooplankton data from the Canadian Beaufort Sea shelf, 1984 and 1985. *Can. Data. Rep. Fish. Aquat. Sci.* 922: iv + 164 p.
- Hopky, G.E., Lawrence, M.J., and Chiperzak, D.B. 1994b. NOGAP B2; Zooplankton data from the Canadian Beaufort Sea shelf, 1986. *Can. Data. Rep. Fish. Aquat. Sci.* 923: iv + 225 p.

Hopky, G.E., Lawrence, M.J., and Chiperzak, D.B. 1994c. NOGAP B2; Zooplankton data from the Canadian Beaufort Sea shelf, 1987 and 1988. *Can. Data. Rep. Fish. Aquat. Sci.* 912: v + 219 p.

Kavik Axys Inc., Inuvik NWT, and FMA Herigate Resources Consultants Inc. 2008. Biophysical research requirements for the Beaufort Sea hydrocarbon development. Environmental Studies Research Funds Report No. 163. 125 p.

Lowdon, M.K., Majewski, A.R., and Reist, J.D. 2011. Fish catch data from Herschel Island, Yukon Territory, and other offshore sites in the Canadian Beaufort Sea, July and August 2008, aboard the CCGS *Nahidik*. *Can. Data. Rep. Fish. Aquat. Sci.* 1237: vi + 99 p.

Majewski, A.R., Reist, J.D., and Sareault, J.E. 2006. Fish catch data from offshore sites in the Mackenzie River estuary and Beaufort Sea during the open water season, August 2004 aboard the CCGS *Nahidik*. *Can. Manuscr. Rep. Fish. Aquat. Sci.* 2771: vi +37 p.

Majewski, A.R., Reist, J.D., Park, B.J., Sareault, J.E., and Lowdon, M.K. 2009a. Fish catch data from offshore sites in the Mackenzie River Estuary and Beaufort Sea during the open water season, July and August 2005, aboard the CCGS *Nahidik*. *Can. Data. Rep. Fish. Aquat. Sci.* 1204: vi + 53 p.

Majewski, A.R., Reist, J.D., Park, B.J., and Lowdon, M.K. 2009b. Fish catch data from offshore sites in the Mackenzie River estuary and Beaufort Sea during the open water season, August 2006, aboard the CCGS *Nahidik*. *Can. Data. Rep. Fish. Aquat. Sci.* 1218: vi + 37 p.

Majewski, A.R., Lowdon, M.K., Reist, J.D., and Park, B.J. 2011. Fish catch data from Herschel Island, Yukon Territory, and other offshore sites in the Canadian Beaufort Sea, July and August 2007, aboard the CCGS *Nahidik*. *Can. Data. Rep. Fish. Aquat. Sci.* 1231: vi + 50 p.

Majewski, A.R., Walkusz, W., Lynn, B.R., Atchison, S., Eert, J., and Reist, J.D. 2015. Distribution and diet of demersal Arctic Cod, *Boreogadus saida*, in relation to habitat characteristics in the Canadian Beaufort Sea. *Polar Biol.* **39**: 1087-1098. doi: 10.1007/s00300-01501857-y.

Majewski A.R., Atchison, S.P., Suchy, K.D., Henry, J., MacPhee, S.A., Walkusz, W., Eert, J., Dempsey, M., Niemi, A., de Montety, L., Geoffroy, M., Giraldo, C., Michel, C., Archambault, P., Williams, W.J., Fortier, L. and Reist, J.D. 2016. Beaufort Sea Marine Fishes Project - Update for Stakeholders. Fisheries and Oceans Canada, Ottawa. viii+57pp.

Matta, M.E., and Gunderson, D.R. 2007. Age, growth, maturity, and mortality of the Alaska skate, *Bathyraja parmifera*, in the eastern Bering Sea. *Environ. Bio. Fish.* **80**: 309-323. doi: 10.1007/978-1-4020-9703-4_15.

- McGowan, D.K. 1987. Data on Arctic charr, *Salvelinus alpinus* (L.), from the Diana River, Northwest Territories, 1986. Can. Data. Rep. Fish. Aquat. Sci. 666: iv + 19 p.
- McLaughlin, F.A., Carmack, E.C., Macdonald, R.W., and Bishop, J.K.B. 1996. Physical and geochemical properties across the Atlantic/Pacific water mass front in the southern Canadian Basin. J. Geophys. Res. **101**: 1183-1197. doi: 10.1029/95JC02634.
- Mecklenburg, C.W., Mecklenburg, T.A., and Thorsteinson, L.K. 2002. Fishes of Alaska. American Fisheries Society, Bethesda, Md.
- Scott, W.B., and Scott, M.G. 1988. Atlantic fishes of Canada. Can. Bull. Fish. Aquat. Sci. 219: 731 p.
- Stasko, A.D., Swanson, H., Majewski, A.R., Atchison, S.P., Reist, J.D., and Power, M. 2016. Influences of depth and pelagic subsidies on the size-based trophic structure of Beaufort Sea fish communities. Mar. Ecol. Prog. Ser. **549**: 153-166. doi: 10.3354/meps11709.
- Walkusz, W., and Williams, W.J. (*Editors*) 2013. Northern coastal marine studies – the Nahidik program – environmental research of the coastal Canadian Beaufort Sea. J. Mar. Syst. **127**: 2-4. doi: 10.1016/j.jmarsys.2013.07.012
- Zeiner, S.J., and Wolf, P. 1993. Growth characteristics and estimates of age at maturity of two species of skates (*Raja binoculata* and *Raja rhina*) from Monterey Bay, California. In Conservation biology of elasmobranchs. *Edited by* S. Branstetter. NOAA Tech Rep NMFS 115: 87-99.

Table 1. Station IDs and coordinates (decimal degrees) by transect including associated net deployment IDs, target station depth, date sampled, and trawl start/end times with coordinates.

Transect	Station ID	Station center point		Station depth (m)	Deployment ID	Date of tow (UTC)	Tow start time (UTC)	Tow start point		Tow end time (UTC)	Tow end point		
		Latitude	Longitude					Latitude	Longitude		Latitude	Longitude	
Dalhousie	dal_01	70.5375	-130.8397	20	bbt_001	06-Aug	23:52	70.5392	-130.8237	00:12	70.5327	-130.8502	
					w2a_001	07-Aug	01:11	70.5400	-130.8237	01:32	70.5167	-130.8620	
	dal_02	71.2092	-131.1698	75	bbt_002	07-Aug	17:03	71.2052	-131.2375	17:27	71.2025	-131.2178	
					w2a_002	07-Aug	20:18	71.2142	-131.1520	00:00	71.2032	-131.1903	
	dal_03	71.3290	-131.2278	200	w2a_003	08-Aug	14:18	71.3297	-131.2023	14:38	71.3282	-131.2493	
	dal_04	71.3740	-131.2500	350	bbt_004	09-Aug	20:24	71.3807	-131.2207	20:44	71.3747	-131.2423	
					w2a_004	08-Aug	18:45	71.3782	-131.2312	19:05	71.3705	-131.2680	
	dal_05	71.4333	-131.2790	500	bbt_003	09-Aug	15:44	71.4412	-131.2505	16:04	71.4338	-131.2712	
					w2a_005	09-Aug	13:47	71.4335	-131.2827	14:07	71.4258	-131.3218	
	dal_06	71.5987	-131.3600	750	w2a_006	10-Aug	14:09	71.5998	-131.3418	14:29	71.5905	-131.3803	
	dal_07	71.8633	-131.4892	1000	w2a_07a	10-Aug	22:17	71.8525	-131.5070	22:40	71.8692	-131.4895	
					w2a_07b	11-Aug	01:57	71.8543	-131.4992	02:17	71.8562	-131.5005	
	Kugmallit	kug_01a	70.0115	-133.8437	20	bbt_005	13-Aug	15:55	70.0150	-133.8472	16:05	70.0173	-133.8617
						bbt_006	13-Aug	16:26	70.0180	-133.8792	16:36	70.0203	-133.8925
w2a_009						13-Aug	17:13	70.0203	-133.9132	17:18			
kug_01b		70.0115	-133.8437	40	w2a_010	13-Aug	20:47	70.2460	-134.0395	21:07	70.2430	-134.0768	
kug_02		70.8497	-134.6758	75	bbt_007	14-Aug	14:36	70.8488	-134.6605	14:46	70.8502	-134.6448	
					bbt_008	14-Aug	02:04	70.8517	-134.6508	15:14	70.8502	-134.6673	
					w2a_011	14-Aug	15:56	70.8520	-134.6437	16:16	70.8480	-134.6910	
kug_03		70.9300	-134.7543	200	bbt_009	14-Aug	21:00	70.9412	-134.6993	21:10	70.9382	-134.7127	
					bbt_010	14-Aug	21:36	70.9345	-134.7362	21:46	70.9315	-134.7490	
					w2a_012	14-Aug	22:38	70.9362	-134.7198	22:48	70.9295	-134.7660	

Table 1. Continued...

Transect	Station ID	Station center point		Station depth (m)	Deployment ID	Date of tow (UTC)	Tow start time (UTC)	Tow start point		Tow end time (UTC)	Tow end point	
		Latitude	Longitude					Latitude	Longitude		Latitude	Longitude
Kugmallit (cont'd)	kug_04	70.9812	-134.8050	350	bbt_011	15-Aug	15:16	70.9783	-134.8228	15:26	70.9808	-134.8065
					bbt_012	15-Aug	16:05	70.9893	-134.7740	16:26	70.9927	-134.7610
					w2a_013	15-Aug	17:01	70.9905	-134.7703	17:21	70.9807	-134.8075
	kug_05	71.0487	-134.8720	500	bbt_013	15-Aug	23:12	71.0430	-134.8840	23:22	71.0475	-134.8680
					w2a_014	16-Aug	00:32	71.0592	-134.8528			
					w2a_015	16-Aug	01:35	71.0427	-134.8825	01:55	71.0578	-134.8555
					kug_06	71.1573	-134.9798	750	w2a_016	16-Aug	18:49	71.1553
kug_07	71.2852	-135.1045	1000	w2a_017	16-Aug	00:07	71.2512	-135.0927	00:27	71.2508	-135.1392	
Garry	gry_01	69.8773	-137.2435	45	bbt_014	19-Aug	16:14	69.8745	-137.2630	16:24	69.8692	-137.2632
					bbt_015	19-Aug	16:38	69.8675	-137.2627	16:48	69.8622	-137.2643
					w2a_020	19-Aug	17:22	69.8592	-137.2655	00:00	69.8755	-137.2630
	gry_02	70.0170	-137.6747	75	bbt_016	19-Aug	22:00	70.0003	-137.6792	22:10	70.0067	-137.6772
					bbt_017	19-Aug	22:27	70.0110	-137.6812	22:37	70.0167	-137.6753
	gry_03	70.1305	-138.0247	200	w2a_021	19-Aug	23:20	70.0358	-137.6628	23:40	70.0195	-137.6738
					bbt_018	20-Aug	14:56	70.1323	-138.0182	02:06	70.1473	-138.0138
	gry_04	70.2538	-138.4022	350	bbt_019	20-Aug	16:35	70.1252	-138.0410	16:36	70.1293	-138.0262
					w2a_022	20-Aug	17:20	70.1365	-138.0160	17:40	70.1220	-138.0388
	gry_05	70.3013	-138.5502	500	bbt_020	20-Aug	23:20	70.2417	-138.4318	23:30	70.2463	-138.4197
					bbt_021	20-Aug	00:11	70.2568	-138.3932	00:21	70.2535	-138.3825
					w2a_023	20-Aug	20:22	70.2452	-138.3770	20:42	70.2563	-138.4115
	gry_06	70.4385	-138.9735	750	bbt_022	22-Aug	17:40	70.3043	-138.5323	17:50	70.3077	-138.5088
					bbt_023	22-Aug	18:27	70.3072	-138.4995	18:37	70.3040	-138.5110
gry_07	70.5238	-139.2348	1000	w2a_024	22-Aug	19:23	70.3057	-138.5115	19:43	70.2998	-138.5607	
				w2a_025	23-Aug	13:30	70.4480	-138.9455	13:50	70.4372	-138.9748	
				w2a_026	23-Aug	19:32	70.5248	-139.2897	19:52	70.5323	-139.3303	

Table 1. Continued...

Transect	Station ID	Station center point		Station depth (m)	Deployment ID	Date of tow (UTC)	Tow start time (UTC)	Tow start point		Tow end time (UTC)	Tow end point	
		Latitude	Longitude					Latitude	Longitude		Latitude	Longitude
Transboundary	tbs_01	69.9332	-140.3755	40	bbt_024	25-Aug	15:40	69.9362	-140.3355	15:50	69.9355	-140.3847
					bbt_025	25-Aug	16:02	69.9342	-140.3847	16:12	69.9328	-140.3847
					w2a_028	25-Aug	16:35	69.9325	-140.3847	16:55	69.9362	-140.3847
	tbs_02	70.2518	-140.3760	75	bbt_026	25-Aug	22:20	70.2558	-140.3847	22:30	70.2540	-140.3847
					bbt_027	25-Aug	22:48	70.2517	-140.3847	22:58	70.2505	-140.3847
					w2a_029	25-Aug	23:39	70.2367	-140.3847	23:59	70.2532	-140.3847
	tbs_03	70.2792	-140.3755	200	bbt_028	26-Aug	15:16	70.2823	-140.3947	15:26	70.2802	-140.3797
					bbt_029	26-Aug	15:54	70.2747	-140.3482	15:54	70.2738	-140.3260
					w2a_030	26-Aug	16:37	70.2733	-140.3265	16:57	70.2792	-140.3712
	tbs_04	70.3462	-140.3767	350	bbt_030	26-Aug	20:49	70.3497	-140.3992	20:59	70.3465	-140.3798
					bbt_031	26-Aug	00:00	70.3423	-140.3467	00:00	70.3397	-140.3308
					w2a_031	26-Aug	23:29	70.3382	-140.3765	23:49	70.3550	-140.3755
	tbs_05	70.4275	-140.3762	500	bbt_032	27-Aug	14:16	70.4238	-140.3370	14:27	70.4252	-140.3545
					bbt_033	27-Aug	15:09	70.4310	-140.3927	15:19	70.4338	-140.4072
					w2a_032	27-Aug	17:52	70.4263	-140.3562	18:13	70.4322	-140.4067
	tbs_06	70.5526	-140.3765	750	w2a_033	28-Aug	16:38	70.5997	-140.4536	NA	NA	NA

Table 2. Net mensuration and area swept for W2A trawl deployments associated with station sampling.

Transect	Station ID	Deployment ID	Set depth (m) ^a	Cable out (m)	Tow duration (s)	Average ship speed (m/s) ^b	Distance (m) ^c	Average door spread (m)	Average vertical height (m)	Area swept (m ²) ^d	Standard / non-standard
Dalhousie	dal_01	w2a_001	20	138	1172	1.46	1711.12	52.17	3.72	89269	standard
	dal_02	w2a_002	75	229	1225	1.48	1813.00	66.50	3.14	120564	standard
	dal_03	w2a_003	200	549	1184	1.45	1716.80	69.95	2.82	120090	standard
	dal_04	w2a_004	349	914	569	1.42	807.98	72.24	2.77	58368	standard
	dal_05	w2a_005	500	1280	1168	1.47	1716.96	70.05	2.87	120273	standard
	dal_06	w2a_006	751	1463	1216	1.44	1751.04	72.09	3.15	126232	standard
	dal_07	w2a_007a	998	1767	1380	1.41	1945.80	66.04	3.11	128501	non-standard
		w2a_007b	1001	1875	1190	1.41	1677.90	72.85	2.65	122235	standard
Kugmallit	kug_01a	w2a_009	19	137	300	1.54	462.00	39.32		18166	non-standard
	kug_01b	w2a_010	40	183	1200	1.51	1812.00	62.69	2.74	113594	standard
	kug_02	w2a_011	75	229	1200	1.49	1788.00	65.13	2.99	116452	standard
	kug_03	w2a_012	198	549	1200	1.49	1788.00	71.93	2.74	128611	standard
	kug_04	w2a_013	350	914	1200	1.54	1848.00	58.28	2.99	107701	standard
		w2a_014	499	1280	240	1.70	408.00				non-standard
	kug_05	w2a_015	500	1280	1200	1.65	1980.00	60.20	3.08	119196	non-standard
		w2a_016	751	1463	1200	1.53	1836.00	64.77	3.08	118918	standard
kug_07	w2a_017	989	1829	1200	1.48	1776.00	74.12	2.74	131637	standard	
Garry	gry_01	w2a_020	47	183	1200	1.57	1884.00	54.81	2.83	103262	standard
	gry_02	w2a_021	76	229	1200	1.53	1836.00	60.71	3.11	111464	standard
	gry_03	w2a_022	200	549	1200	1.57	1884.00	62.59	2.90	117920	standard
	gry_04	w2a_023	346	914	1200	1.47	1764.00	63.58	2.96	112155	standard
	gry_05	w2a_024	500	1280	1200	1.66	1992.00	60.05	3.07	119620	non-standard
	gry_06	w2a_025	742	1463	1200	1.47	1764.00	73.41	2.74	129495	standard
	gry_07	w2a_026	867	1692	1200	1.44	1728.00	64.52	3.29	111491	standard

^a Set depth is equivalent to bottom depth and reflects an average over the duration of the tow.

^b Avg. ship speed (m/s) = avg. ship speed (knots) x 0.515; ^c Distance (m) = tow duration (s) x avg. ships speed; ^d Area swept (m²) = [distance (m) x avg. door spread (m)]

Table 2. Continued...

Transect	Station ID	Deployment ID	Set depth (m) ^a	Cable out (m)	Tow duration (s)	Average ship speed (m/s) ^b	Distance (m) ^c	Average door spread (m)	Average vertical height (m)	Area swept (m ²) ^d	Standard / non-standard
Trans-boundary	tbs_01	w2a_028	42	183	1200	1.56	1872.00	61.01	2.90	114211	standard
	tbs_02	w2a_029	64	229	1200	1.57	1884.00	64.87	3.02	122215	standard
	tbs_03	w2a_030	200	549	1200	1.50	1800.00	71.98	2.80	129564	standard
	tbs_04	w2a_031	355	914	1200	1.53	1836.00	54.04	2.80	99217	standard
	tbs_05	w2a_032	500	1280	1200	1.59	1908.00	63.83	2.82	121788	standard
	tbs_06	w2a_033	850	1646	NA	NA	NA	NA	NA	NA	non-standard

^a Set depth is equivalent to bottom depth and reflects an average over the duration of the tow.

^b Avg. ship speed (m/s) = avg. ship speed (knots) x 0.515; ^c Distance (m) = tow duration (s) x avg. ships speed; ^d Area swept (m²) = [distance (m) x avg. door spread (m)]

Table 3. Net mensuration and area swept for BBT trawl deployments associated with on-station sampling.

Transect	Station ID	Deployment ID	Set depth (m)	Cable out (m)	Tow duration (s)	Average ship speed (m/s) ^a	Distance (m) ^b	Area swept (m ²) ^c	Standard / non-standard
Dalhousie	dal_01	bbt_001	21	75	1200	0.98	1176.0	3516	standard
	dal_02	bbt_002	75	225	1440	1.03	1483.2	4435	standard
	dal_04	bbt_004	352	850	1200	1.00	1200.0	3588	non-standard
	dal_05	bbt_003	500	1050	1200	1.00	1200.0	3588	non-standard
Kugmallit	kug_01a	bbt_005	20	75	600	1.01	606.0	1812	standard
		bbt_006	21	75	600	1.16	696.0	2081	standard
	kug_02	bbt_007	75	225	600	0.98	588.0	1758	standard
		bbt_008	76	225	600	0.98	588.0	1758	standard
	kug_03	bbt_009	205	575	600	1.10	660.0	1973	standard
		bbt_010	203	575	600	1.05	630.0	1884	standard
	kug_04	bbt_011	355	825	600	1.03	618.0	1848	standard
		bbt_012	351	825	600	1.15	690.0	2063	standard
	kug_05	bbt_013	505	1050	780	0.99	772.2	2309	standard
	Garry	gry_01	bbt_014	47	130	600	1.03	618.0	1848
bbt_015			46	150	600	1.05	630.0	1884	standard
gry_02		bbt_016	76	225	600	0.93	558.0	1668	standard
		bbt_017	76	225	600	1.03	618.0	1848	standard
gry_03		bbt_018	199	575	600	1.01	606.0	1812	standard
		bbt_019	200	575	660	1.05	693.0	2072	standard
gry_04		bbt_020	348	850	600	1.08	648.0	1938	non-standard
		bbt_021	349	850	600	1.15	690.0	2063	non-standard
gry_05		bbt_022	501	1075	600	1.13	678.0	2027	standard
		bbt_023	500	1075	600	1.13	678.0	2027	standard

^a Avg. ship speed (m/s) = ships speed (knots) x 0.515; ^b Distance (m) = tow duration (s) x ships speed; ^c Area swept (m²) = [distance (m) x net opening (m)]

Table 3. Continued...

Transect	Station ID	Deployment ID	Set depth (m)	Cable out (m)	Tow duration (s)	Ships speed (m/s) ^a	Distance (m) ^b	Area swept (m ²) ^c	Standard / non-standard
Transboundary	tbs_01	bbt_024	42	125	600	1.01	606.0	1812	standard
		bbt_025	40	125	600	1.11	666.0	1991	standard
	tbs_02	bbt_026	74	225	600	1.16	696.0	2081	standard
		bbt_027	75	225	600	1.08	648.0	1938	standard
	tbs_03	bbt_028	200	575	600	1.10	660.0	1973	standard
		bbt_029	193	575	600	1.21	726.0	2171	standard
	tbs_04	bbt_030	350	850	600	1.16	696.0	2081	standard
		bbt_031	350	850	600	1.10	660.0	1973	standard
	tbs_05	bbt_032	500	1100	660	0.98	646.8	1934	standard
		bbt_033	501	1100	600	1.11	666.0	1991	standard

^a Avg. ship speed (m/s) = ships speed (knots) x 0.515; ^b Distance (m) = tow duration (s) x ships speed; ^c Area swept (m²) = [distance (m) x door spread (m)]

Table 4. List of taxa caught during the 2012 field season. Taxa are listed by family, species, common name and their assigned letter species codes (used in Tables 5-28 and Appendix 2). The number of fish caught by lowest taxonomic level is given for all fish caught during both standard and non-standard tows.

Family	Species	Common name	Species code	Number caught (n)
Agonidae	Agonidae	unidentified Agonidae	UNAGON	2
	<i>Aspidophoroides olrikii</i>	Arctic Alligatorfish	ARAF	113
	<i>Leptagonus decagonus</i>	Atlantic Poacher	ALPR	9
Cottidae	Cottidae	unidentified Cottidae	UNCOTT	20
	<i>Arteidiellus gomojunovi</i>	Spinyhook Sculpin	SKSC	1
	<i>Arteidiellus scaber</i>	Hamecon	HAME	3
	<i>Gymnocanthus tricuspis</i>	Arctic Staghorn Sculpin	ARSS	58
	<i>Icelus</i> sp.	unidentified <i>Icelus</i> sp	UNICSP	43
	<i>Icelus bicornis</i>	Twohorn Sculpin	THSC	43
	<i>Icelus spatula</i>	Spatulate Sculpin	SPSC	195
	<i>Myoxocephalus quadricornis</i>	Fourhorn Sculpin	FHSC	1
Cyclopteridae	<i>Triglops pingelii</i>	Ribbed Sculpin	RBSC	125
	Cyclopteridae	unidentified Cyclopteridae	UNCYCL	3
Gadidae	<i>Eumicrotremus derjugini</i>	Leatherfin Lump sucker	LFLS	4
	<i>Arctogadus glacialis</i>	Polar Cod	PLCD	2
Liparidae	<i>Boreogadus saida</i>	Arctic Cod	ARCD	3324
	Liparidae	unidentified Liparidae	UNLIPA	44
	<i>Careproctus</i> sp.	unidentified <i>Careproctus</i> sp.	UNCASP	7
	<i>Careproctus reinhardti</i> ^c	Sea Tadpole	SETP	7
	<i>Liparis</i> sp.	unidentified <i>Liparis</i> sp.	UNLISP	22
	<i>Liparis fabricii</i>	Gelatinous Seasnail	GLSS	36
	<i>Liparis gibbus</i> ^c	Variiegated Snailfish	VGSF	92
	<i>Liparis tunicatus</i>	Kelp Snailfish	KPSF	108
Myctophidae	<i>Paraliparis bathybius</i> ^a	Black Seasnail	BKSS	1
	<i>Benthosema glaciale</i> ^a	Glacier Lanternfish	GLLF	5
Pleuronectidae	<i>Hippoglossoides robustus</i> ^c	Bering Flounder	BRFL	3
	<i>Reinhardtius hippoglossoides</i>	Greenland Halibut	GLHB	96
Psychrolutidae	<i>Cottunculus microps</i> ^{a,b}	Polar Sculpin	PLSC	14
	<i>Psychrolutes phrictus</i> ^{a,b}	Blob Sculpin	BLSC	4
Rajidae	<i>Amblyraja hyperborea</i>	Arctic Skate	ARSK	16
		Egg capsule	EGGC	5

Table 4. Continued...

Family	Species	Common name	Species code	Number caught (n)
	Stichaeidae	unidentified Stichaeidae	UNSTIC	7
	<i>Acantholumpenus</i> sp.	unidentified <i>Acantholumpenus</i> sp.	UNACSP	1
Stichaeidae	<i>Acantholumpenus mackayi</i> ^c	Blackline Prickleback	BLPB	1
	<i>Anisarchus medius</i>	Stout Eelblenny	STEB	142
	<i>Leptoclinus maculatus</i>	Daubed Shanny	DBSH	1
	<i>Lumpenus fabricii</i>	Slender Eelblenny	SLEB	2
	Zoarcidae	unidentified Zoarcidae	UNZOAR	5
	<i>Gymnelus</i> sp.	unidentified <i>Gymnelus</i> sp.	UNGYSP	2
	<i>Gymnelus bilabrus</i> ^d	Twolip Pout	GNBL	1
	<i>Gymnelus hemifasciatus</i>	Halfbarred Pout	HBPT	6
	<i>Gymnelus knipowitschi</i>	Knipowitschi Pout	KWPT	4
	<i>Lycodes</i> sp.	unidentified <i>Lycodes</i> sp.	UNLYSP	1
	<i>Lycodes adolfi</i> ^e	Adolf's Eelpout	ADEP	108
Zoarcidae	<i>Lycodes eudipleurostictus</i> ^{a,e}	Doubleline Eelpout	DLEP	4
	<i>Lycodes marisalbi</i> ^e	White Sea Eelpout	WSEP	1
	<i>Lycodes pallidus</i> ^e	Pale Eelpout	PAEP	9
	<i>Lycodes polaris</i> ^e	Canadian Eelpout	CAEP	31
	<i>Lycodes reticulatus</i> ^{c,e}	Arctic Eelpout	AREP	27
	<i>Lycodes sagittarius</i> ^{a,b,e}	Archer Eelpout	ACEP	13
	<i>Lycodes seminudus</i> ⁷	Longear Eelpout	LEEP	45
	<i>Lycodes squamiventer</i> ^{a,e}	Scalebelly Eelpout	SCEP	13
			Grand Total	4830

^a New record for the Canadian Beaufort Sea

^b New to Canadian fauna

^c Voucher specimen(s) of this species Identified by the Canadian Museum of Nature

^d Voucher specimen(s) of this species identified by N. Chernova, Zoological Institute, Russian Academy of Sciences.

^e Voucher specimen(s) of this species identified by P. Rask Møller, University of Copenhagen.

Table 5. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the DAL transect with the W2A net.

Family	Species code	Station	dal_01	dal_02	dal_03	dal_04	dal_05	dal_06	dal_07
		Deployment ID	w2a_001	w2a_002	w2a_003	w2a_004	w2a_005	w2a_006	w2a_007b
		CPUE (n/km ²)							
Agonidae	ALPR					68.53	8.31		
	ARAF		55.99	331.77	8.33				
Cottidae	ARSS		257.57						
	HAME					17.13			
	RBSC		974.28	8.29	16.65				
	SPSC		1590.21	74.65					
	THSC			8.29	8.33				
	UNCOTT					17.13			
	UNICSP		324.76	8.29					
Cyclopteridae	LFLS			8.33					
Gadidae	ARCD		459.14	182.48	366.39	2655.57	665.15	221.81	57.27
	PLCD					17.13			
Liparidae	GLSS						16.63	7.92	8.18
	KPSF		44.80			51.4			
	UNCASP				8.33				
	UNLISP		179.18						
	VGSF		1007.88						
Myctophidae	GLLF				17.13		7.92	8.18	
Pleuronectidae	BRFL			8.33	17.13				
	GLHB					24.94	31.69	81.81	
Psychrolutidae	BLSC								8.18
	PLSC								16.36
Rajidae	ARSK						7.92	24.54	

Table 5. Continued...

	Station	dal_01	dal_02	dal_03	dal_04	dal_05	dal_06	dal_07
	Deployment ID	w2a_001	w2a_002	w2a_003	w2a_004	w2a_005	w2a_006	w2a_007b
Family	Species code	CPUE (n/km ²)						
Stichaeidae	DBSH	11.20						
	STEB	347.16						
	UNACSP		8.29					
	UNSTIC	22.4	8.29					
Zoarcidae	ACEP				34.27			
	ADEP					91.46	87.14	147.26
	AREP	33.60		24.98	68.53			
	CAEP	179.18				8.31		
	HBPT		16.59					
	LEEP				51.4	16.63	7.92	
	PAEP			8.33	17.13			
	SCEP				17.13			
	UNGYSP		8.29					

Table 6. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the DAL transect with the BBT net.

Family	Species code	Station	dal_01	dal_02
		Deployment ID	bbt_001	bbt_002
		CPUE (n/km ²)		
Agonidae	ARAF		284.41	450.96
Cottidae	ARSS		1990.90	
	RBSC		2275.31	
	SPSC		5403.87	225.48
	UNICSP		1422.07	
Gadidae	ARCD		2559.73	
Liparidae	KPSF		853.24	
	UNCASP		284.41	
	UNLISP		853.24	
	VGSF		284.41	
Stichaeidae	STEB		7710.35	
Zoarcidae	HBPT		284.41	

Table 7. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in W2A standard tows during station sampling along the DAL transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	5	101.2	115.9	109.3	6.2	5	3.44	4.63	4.09	0.52
	ALPR	46	31.4	62.1	48.2	6.2	46	0.07	1.69	0.68	0.32
Cottidae	ARSS	22	31.0	90.8	51.9	16.9	23	0.24	10.29	2.20	2.26
	RBSC	87	34.4	100.0	44.8	9.1	90	0.23	5.74	0.63	0.73
	SPSC	11	40.5	79.5	61.5	10.9	12	0.48	18.03	4.11	4.66
	THSC	2	50.9	64.3	57.6	9.5	2	1.24	3.05	2.14	1.28
	UNICSP	29	31.1	42.7	35.6	2.4	29	0.28	0.64	0.42	0.08
Gadidae	ARCD ^a	355	31.8	208.9	107.7	31.9	375	0.14	86.54	9.70	9.09
	PLCD ^a	1	216.0	216.0			1	78.16	78.16		
Liparidae	GLSS	1	125.7	125.7			4	2.13	47.46	24.68	19.10
	KPSF	3	73.2	103.5	90.0	15.39	7	0.22	10.41	3.28	4.28
	UNCASP	1	92.7	92.7			1	8.31	8.31		
	UNLISP	2	37.5	80.3	58.9	30.3	15	0.22	5.95	0.68	1.46
	VGSF	0					2	1.91	15.63	8.77	9.70
Myctophidae	GLLF	0					1	31.43	31.43		
Pleuronectidae	BRFL	2	221.0	361.0	291.0	99.0	2	93.15	416.00	254.58	228.29
	GLHB	15	409.0	753.0	504.7	87.1	17	498.00	4597.00	1179.00	943.44
Psychrolutidae	BLSC	1	181.8	181.8			1	118.58	118.58		
	PLSC	2	0.9	1.0	0.9	0.1		0			
Rajidae	ARSK	4	416.0	687.0	534.3	123.6	4	588.00	2682.00	1339.00	938.98
	DBSH	0					1	4.79	4.79		
Stichaeidae	UNACSP	1	46.7	46.7			1	0.14	0.14		
	UNSTIC	1	79.3	79.3			1	0.83	0.83		
	ACEP	2	65.6	102.9	84.3	26.4	2	0.85	3.87	2.36	2.13
Zoarcidae	ADEP	39	50.5	193.6	113.5	49.8	40	0.31	22.69	7.89	7.97
	AREP	10	46.6	146.4	81.1	35.5	10	0.28	14.72	3.71	4.76
	CAEP	17	53.8	105.3	69.8	14.4	17	0.58	5.10	1.65	1.22
	HBPT	2	50.3	56.1	53.2	4.1	2	0.39	0.70	0.55	0.22
	LEEP	6	51.0	487.0	173.3	183.9	6	0.38	716.00	146.24	286.11
	PAEP	2	102.2	149.6	125.9	33.5	2	4.61	14.48	9.55	6.98
	SCEP	1	62.4	62.4			1	0.79	0.79		
	UNGYSP	1	80.8	80.8			1	2.02	2.02		

^a Refers to species where fork length is reported

Table 8. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in BBT standard tows during station sampling along the DAL transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	3	33.8	51.5	40.4	9.7	3	0.11	0.70	0.34	0.32
Cottidae	ARSS	7	28.2	63.1	47.1	16.0	6	0.25	3.16	1.92	1.30
	RBSC	8	40.8	48.3	44.2	2.2	8	0.38	0.73	0.54	0.11
	SPSC	1	54.2	54.2			2	1.83	2.55	2.19	0.51
	UNICSP	5	36.0	45.5	38.7	3.9	5	0.40	0.65	0.50	0.10
Gadidae	ARCD ^a	7	33.2	43.6	38.5	3.9	9	0.27	0.79	0.44	0.16
Liparidae	KPSF	1	31.7	31.7			3	0.12	0.35	0.27	0.13
	UNCASP	0					1	0.24	0.24		
	UNLISP	0					3	0.28	0.32	0.30	0.02
Stichaeidae	STEB	0					1	2.93	2.93		
Zoarcidae	HBPT	0					1	0.28	0.28		

^a Refers to species where fork length is reported

Table 9. Sex and generalized maturity stage data for fish caught in W2A standard tows during station sampling along the DAL transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ALPR				2	2	4	
	ARAF	13	4	17	8	4	12	14
Cottidae	ARSS	1		1	1	13	14	8
	RBSC	2		2	2	1	3	85
	SPSC		4	4	2	2	4	3
	THSC		1	1	1		1	
	UNCOTT							1
	UNICSP	3		3				26
Gadidae	ARCD	32	49	82 ^b	53	64	117	25
Liparidae	GLSS				1		1	1
	KPSF	1		1	1		1	5
	UNLISP					1	1	14
Pleuronectidae	GLHB	10	1	11	3	2	5	
Rajidae	ARSK	1		1	2	1	3	
Zoarcidae	ADEP	10	1	11	10		10	12
	AREP							4
	CAEP	1	1	2	6	2	8	6
	HBPT							2
	LEEP							2
	SCEP							1

^a Unknown refers to fish where sex and maturity could not be determined.

^b Includes fish where sex and maturity codes are conflicting.

Table 10. Sex and generalized maturity stage data for fish caught in BBT standard tows during station sampling along the DAL transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF	1		1				2
	ARSS	1		1		3	3	2
Cottidae	RBSC							8
	SPSC				1		1	
	UNICSP							5
Gadidae	ARCD							4
Liparidae	KPSF							3
	UNLISP							3
Zoarcidae	HBPT							1

^a Unknown refers to fish where sex and maturity could not be determined.

Table 11. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the KUG transect with the W2A net.

Family	Species code	Station	kug_01b	kug_02	kug_03	kug_04	kug_06	kug_07
		Deployment ID	w2a_010	w2a_011	w2a_012	w2a_013	w2a_016	w2a_017
		CPUE (n/km ²)						
Agonidae	ARAF		79.23	34.35				
	ARSS		114.44	34.35				
Cottidae	RBSC		35.21					
	SPSC		44.02	25.76				
	THSC				7.78			
	UNICSP		8.80	17.17				
Gadidae	ARCD		457.77	455.12	318.79	2906.19	33.64	
Liparidae	BKSS						8.41	
	GLSS					9.28	25.23	60.77
	KPSF		17.61		23.33		8.41	
	UNCASP				7.78			
	UNLISP		17.61					
Pleuronectidae	GLHB					9.28	58.86	45.58
Rajidae	ARSK							7.60
Stichaeidae	BLPB			8.59				
	STEB		625.03	8.59				
Zoarcidae	ADEP					9.28	75.68	45.58
	AREP		8.80		7.78		8.41	
	CAEP		17.61	8.59				
	DLEP					9.28		
	LEEP					37.14	8.41	
	PAEP		8.80	8.59				
	SCEP				7.78	27.85	8.41	
	WSEP			8.59				

Table 12. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the KUG transect with the BBT net.

	Station Deployment ID	kug_01a	kug_02	kug_03	kug_04	kug_05
		bbt_005_006	bbt_007_008	bbt_009_010	bbt_011_012	bbt_013
Family	Species code	CPUE (n/km ²)				
Agonidae	ARAF		568.83	259.27		
	FHSC	256.87				
Cottidae	HAME				255.69	
	RBSC		284.41	1037.08	767.07	
	THSC			259.27		
	UNCOTT	2825.58				
	UNICSP		284.41			
Gadidae	ARCD	5137.42	1137.66	3111.23	3579.65	
	KPSF				767.07	
Liparidae	UNCASP					433.09
	UNLIPA	3596.20				
Psychrolutidae	PLSC					433.09
Stichaeidae	UNSTIC	1027.49				
Zoarcidae	ACEP					433.09
	AREP		284.41	777.81		433.09
	CAEP		284.41			
	DLEP				511.38	
	LEEP				511.38	433.09
	PAEP				255.69	
	SCEP				255.69	433.09
	UNZOAR	1027.49				

Table 13. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in W2A standard tows during station sampling along the KUG transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	12	37.2	59.7	46.3	8.0	13	0.20	1.43	0.60	0.45
	ARSS	17	25.9	130.7	74.7	32.5	17	0.13	30.68	8.01	8.70
	RBSC	3	25.6	43.8	35.6	9.2	4	0.10	0.51	0.38	0.19
Cottidae	SPSC	8	34.2	70.9	55.6	11.6	8	0.30	3.53	1.90	1.03
	THSC	1	60.5	60.5			1	2.57	2.57		
	UNICSP	3	26.5	36.1	32.1	5.0	3	0.13	0.38	0.27	0.13
Gadidae	ARCD ^a	434	34.0	180.0	90.4	21.8	462	0.07	38.78	6.09	5.07
Liparidae	GLSS	4	145.1	191.6	167.0	21.3	12	2.87	111.06	54.10	28.56
	KPSF	2	36.3	46.1	41.2	7.0	6	0.27	55.88	10.09	22.45
	UNCASP	0					1	0.12	0.12		
	UNLISP	1	33.2	33.2			2	0.29	2.58	1.44	1.62
Pleuronectidae	GLHB	14	405.0	622.0	500.1	64.3	14	558.00	2701.00	1168.79	575.32
Rajidae	ARSK	1	625.0	625.0			1	2305.00	2305.00		
Stichaeidae	BLPB	1	70.6	70.6			1	0.98	0.98		
	STEB	71	49.0	113.9	75.5	12.5	72	0.31	3.58	1.31	0.61
Zoarcidae	ADEP	15	48.4	163.5	87.1	38.4	16	0.23	15.18	3.65	4.84
	AREP	3	62.3	97.9	74.8	20.1	3	0.76	4.98	2.22	2.39
	CAEP	3	42.7	59.6	52.9	9.0	3	0.19	0.99	0.63	0.40
	DLEP	1	74.2	74.2			1	1.48	1.48		
	LEEP	5	48.1	366.0	125.7	135.5	5	0.36	236.00	48.26	104.95
	PAEP	2	100.0	144.1	122.1	31.1	2	3.92	13.93	8.92	7.08
	SCEP	5	68.1	150.6	95.5	33.6	5	1.12	18.26	5.45	7.31
	WSEP	1	131.8	131.8			1	7.65	7.65		

^a Refers to species where fork length is reported

Table 14. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in BBT standard tows during station sampling along the KUG transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	3	52.4	59.9	55.9	3.8	3	0.97	1.15	1.04	0.10
	RBSC	7	30.6	124.3	80.7	30.8	8	0.30	16.96	5.12	5.63
Cottidae	THSC	1	63.3	63.3			1	2.51	2.51		
	UNICSP	1	33.9	33.9			1	0.29	0.29		
Gadidae	ARCD ^a	42	35.7	146.9	79.3	32.1	50	0.09	20.33	4.77	5.45
Liparidae	KPSF	0					3	0.36	3.91	2.66	1.99
	UNCASP	1	85.5	85.5			1	2.56	2.56		
Psychrolutidae	PLSC	1	216.0	216.0			1	152.02	152.02		
Zoarcidae	ACEP	1	174.7	174.7			1	20.78	20.78		
	AREP	5	53.5	103.1	79.5	20.5	5	0.54	5.65	2.69	2.30
	CAEP	1	44.9	44.9			1	0.25	0.25		
	DLEP	2	38.9	127.0	83.0	62.3	2	0.15	8.70	4.43	6.05
	LEEP	3	54.7	126.3	85.8	36.7	3	0.55	10.44	4.24	5.40
	PAEP	1	41.5	41.5			1	0.22	0.22		
	SCEP	2	54.2	76.8	65.5	16.0	2	0.51	1.42	0.96	0.64

^a Refers to species where fork length is reported

Table 15. Sex and generalized maturity stage data for fish caught in W2A standard tows during station sampling along the KUG transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF	2	1	3		2	2	8
Cottidae	ARSS		5	5		4	4	8
	RBSC							4
	SPSC	1		1	1	4	5	2
	THSC					1	1	
	UNICSP							3
Gadidae	ARCD	20	18	40 ^b	48	22	70	27
Liparidae	GLSS	4	1	5	3	2	5	
	KPSF					1	1	5
	UNCASP							1
	UNLISP	1		1				1
Pleuronectidae	GLHB	11	1	12	1	1	2	
Rajidae	ARSK	1		1				
Stichaeidae	STEB	6	5	11	31	4	35	24
Zoarcidae	ADEP	1		1	6		6	9
	AREP	1		1	1		1	1
	CAEP							3
	LEEP		1	1	1		1	3
	PAEP	1		1	1		1	
	SCEP				1		1	3

^a Unknown refers to fish where sex and maturity could not be determined.

^b Includes fish where sex and maturity codes are conflicting.

Table 16. Sex and generalized maturity stage data for fish caught in BBT standard tows during station sampling along the KUG transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF		2	2		1	1	
Cottidae	RBSC	2		2	1	2	3	3
	THSC		1	1				
	UNCOTT							1
	UNICSP							1
Gadidae	ARCD	1	1	2	4	7	11	7
Liparidae	KPSF				1		1	2
Zoarcidae	AREP	1	1	2	3		3	
	CAEP							1
	LEEP	3		3				
	PAEP							1
	SCEP							2

^a Unknown refers to fish where sex and maturity could not be determined.

Table 17. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the GRY transect with the W2A net.

Family	Species code	Station	gry_01	gry_02	gry_03	gry_04	gry_06	gry_07
		Deployment ID	w2a_020	w2a_021	w2a_022	w2a_023	w2a_025	w2a_026
		CPUE (n/km ²)						
Agonidae	ARAF			71.77				
	UNAGON		19.37					
Cottidae	ARSS		9.68					
	RBSC		29.05					
	SPSC		38.74					
	THSC				16.96			
	UNCOTT		67.79					
Cyclopteridae	LFLS			8.97				
Gadidae	ARCD		1530.09	717.72	491.86	5073.34	54.06	26.91
	GLSS					8.92	7.72	35.88
	KPSF			8.97		80.25	77.22	35.88
	SETP				8.48	8.92		
	UNCASP					8.92		
	UNLIPA		251.79	8.97				8.97
Pleuronectidae	GLHB					35.66	23.17	161.45
Rajidae	ARSK						7.72	53.82
Stichaeidae	SLEB		9.68	8.97				
	STEB		96.84					
Zoarcidae	ACEP					8.92		
	ADEP						77.22	62.79
	CAEP			17.94				
	DLEP						7.72	
	LEEP						35.66	8.97

Table 18. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the GRY transect with the BBT net.

Family	Species code	Station	gry_01	gry_02	gry_03	gry_05
		Deployment ID	bbt_014_015	bbt_016_017	bbt_018_019	bbt_022_023
		CPUE (n/km ²)				
Agonidae	ARAF			2275.31	514.93	
	ARSS				514.93	
Cottidae	SPSC			284.41	514.93	
	THSC			568.83		
	UNCOTT				257.47	
	ARCD	2411.58	137.66	2574.67	3453.38	
Gadidae	GLSS	267.95				
	KPSF	267.95				246.67
	SETP				257.47	246.67
	UNLIPA				257.47	
	UNLISP	267.95				
	STEB	535.91	284.41	257.47		
Stichaeidae	CAEP			257.47		
	LEEP					493.34
Zoarcidae	PAEP					246.67

Table 19. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in W2A standard tows during station sampling along the GRY transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	8	47.7	56.0	53.5	2.6	8	0.60	1.15	0.95	0.17
Cottidae	ARSS	1	119.3	119.3			1	28.64	28.64		
	RBSC	3	45.3	48.6	47.1	1.7	3	0.64	0.75	0.71	0.06
	SPSC	4	53.6	76.5	68.1	10.3	4	1.41	4.70	3.59	1.53
	THSC	2	56.1	57.4	56.8	0.9	2	1.69	1.77	1.73	0.06
Gadidae	ARCD ^a	661	22.9	206.6	89.8	24.0	690	0.08	60.65	6.20	5.77
Liparidae	GLSS	4	67.4	188.3	150.0	55.7	6	2.00	76.60	51.09	28.97
	KPSF	20	66.1	204.5	147.4	39.3	24	2.14	94.09	39.50	30.79
	SETP	2	61.4	63.5	62.5	1.5	2	1.27	1.98	1.62	0.50
	UNCASP	0					1	0.27	0.27		
	UNLIPA	2	63.9	186.9	125.4	87.0	2	2.84	43.60	23.22	28.82
Pleuronectidae	GLHB	22	393.0	577.0	477.5	54.6	22	485.00	1649.00	929.00	336.60
Rajidae	ARSK	7	355.0	620.0	427.9	92.2	7	332.00	1534.00	680.14	419.42
Stichaeidae	SLEB	2	50.1	72.3	61.2	15.7	2	0.19	0.84	0.52	0.46
	STEB	10	41.5	75.7	62.7	11.8	10	0.09	1.28	0.76	0.39
Zoarcidae	ACEP	1	160.1	160.1			1	15.73	15.73		
	ADEP	14	45.9	177.5	143.9	32.9	17	0.20	19.70	8.76	5.70
	CAEP	2	102.0	126.8	114.4	17.5	2	4.74	9.58	7.16	3.43
	DLEP	1	335.0	335.0			1	163.00	163.00		
	LEEP	5	48.3	416.0	208.5	186.6	5	0.30	524.00	186.46	255.34

^a Refers to species where fork length is reported

Table 20. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) round and weight (g) for fish caught in BBT standard tows during station sampling along the GRY transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	10	47.8	62.9	55.2	5.3	10	0.55	1.78	1.13	0.45
Cottidae	ARSS	2	32.6	36.5	34.6	2.8	2	0.26	0.38	0.32	0.08
	SPSC	3	45.9	80.1	61.4	17.3	3	0.67	8.24	3.56	4.09
	THSC	2	42.2	45.8	44.0	2.6	2	0.65	0.96	0.80	0.22
	UNCOTT	0					1	0.07	0.07		
Gadidae	ARCD ^a	29	34.16	141.2	79.5	34.0	37	0.20	20.8	4.61	5.20
Liparidae	GLSS	1	42.1	42.1			1	0.36	0.36		
	KPSF	1	152.1	152.1			2	0.53	47.40	23.97	33.14
	SETP	1	51.0	51.0			2	0.91	27.41	14.16	18.74
	UNLISP	0					1	0.74	0.74		
Stichaeidae	STEB	4	43.7	79.1	65.6	15.2	4	0.15	1.15	0.85	0.47
Zoarcidae	CAEP	1	39.5	39.5			1	0.20	0.20		
	LEEP	2	95.0	115.3	105.1	14.4	2	4.04	7.37	5.70	2.36
	PAEP	1	49.4	49.4			1	0.41	0.41		

^a Refers to species where fork length is reported

Table 21. Sex and generalized maturity stage data for fish caught in W2A standard tows during station sampling along the GRY transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF	2		2	1	3	4	1
Cottidae	ARSS		1	1				
	RBSC							3
	SPSC	1	2	3				1
	THSC	1		1	1		1	
Gadidae	ARCD	71	59	130	66	108	174	122
Liparidae	GLSS		1	1	2		2	
	KPSF	4	2	6	3	12	15	3
	UNCASP							1
Pleuronectidae	GLHB	19		19	3		3	
Rajidae	ARSK	5		5	2		2	
Stichaeidae	STEB				3		3	5
Zoarcidae	ACEP		1	1				
	ADEP	5	2	7	5	2	7	3
	CAEP		1	1				
	LEEP				1	1	3 ^b	2

^a Unknown refers to fish where sex and maturity could not be determined.

^b Includes fish where sex was determined but maturity status was unknown

Table 22. Sex and generalized maturity stage data for fish caught in BBT standard tows during station sampling along the GRY transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF	3	3	6		2	2	1
Cottidae	ARSS							2
	SPSC		1	1		1	1	1
	THSC	1		1	1		1	
	UNCOTT							1
Gadidae	ARCD	1		1	1	1	2	7
Liparidae	GLSS							1
	KPSF					1	1	1
	UNLISP							1
Stichaeidae	STEB				2		2	1
Zoarcidae	CAEP							1
	LEEP	1		1	1		1	

^a Unknown refers to fish where sex and maturity could not be determined.

Table 23. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the TBS transect with the W2A net.

Family	Species code	Station	tbs_01	tbs_02	tbs_03	tbs_04	tbs_05
		Deployment ID	w2a_028	w2a_029	w2a_030	w2a_031	w2a_032
		CPUE (n/km ²)					
Agonidae	ARAF		175.11	8.18			
	ARSS		8.76				
	RBSC		8.76				
Cottidae	SPSC		43.78				
	THSC		78.80	90.01	7.72		
	UNICSP		17.51	8.18			
Cyclopteridae	LFLS			8.18			
	UNCYCL		8.76	8.18			
Gadidae	ARCD		472.81	687.31	903.03	4202.91	1855.68
Liparidae	GLSS				7.72	20.16	8.21
	KPSF				7.72	90.71	131.38
Pleuronectidae	GLHB					70.55	49.27
Rajidae	ARSK						8.21
	ACEP					10.08	
	ADEP						24.63
	AREP				7.72		
Zoarcidae	LEEP					20.16	8.21
	SCEP				7.72		
	UNGYSP		8.76				
	UNZOAR						8.21

Table 24. Catch per unit effort (CPUE) for fish species caught at each station during standard tows along the TBS transect with the BBT net.

Family	Species code	Station				
		Deployment ID	tbs_01 bbt_024_025	tbs_02 bbt_026_027	tbs_03 bbt_028_029	tbs_04 bbt_030_031
		CPUE (n/km ²)				
Agonidae	ARAF	1051.80	1244.10			
	ARSS	262.95				
Cottidae	RBSC	262.95	248.82		1726.69	
	SPSC	262.95	248.82			
	THSC	525.90	2985.82			
	UNICSP	262.95				
Cyclopteridae	LFLS		248.82			
	UNCYCL	262.95				
Gadidae	ARCD	262.95	2737.00	2895.75	13320.18	2292.99
	GLSS			241.31		
	KPSF	262.95			493.34	1019.11
	SETP			241.31		254.78
	VGSF	262.95				
Rajidae	ARSK					254.77
	ACEP				246.67	
Zoarcidae	ADEP					509.55
	AREP					254.77
	CAEP	525.90		241.31		
	GNBL	262.95				
	HBPT		746.45			
	KWPT		995.27			
	LEEP					764.33
	PAEP				246.67	254.78
	SCEP					254.78
	UNLYSP					254.78

Table 25. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in W2A standard tows during station sampling along the TBS transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	20	43.4	60.4	53.0	4.9	21	0.38	1.72	1.09	0.37
	ARSS	1	60.9	60.9			1	2.80	2.80		
	RBSC	1	42.6	42.6			1	0.37	0.37		
Cottidae	SPSC	5	51.1	78.2	62.8	10.6	5	1.22	8.46	3.59	2.96
	THSC	21	42.3	73.3	56.0	7.6	21	0.64	4.63	1.97	1.07
	UNICSP	3	32.7	45.2	37.8	6.6	3	0.28	0.91	0.52	0.33
Cyclopteridae	LFLS	1	51.8	51.8			1	7.31	7.31		
	UNCYCL	1	16.5	16.5			1	0.14	0.14		
Gadidae	ARCD ^a	816	32.7	186.2	102.0	26.4	883	0.08	47.01	8.75	6.73
Liparidae	GLSS	3	72.9	184.6	140.4	59.4	4	3.06	67.12	34.80	30.61
	KPSF	20	65.4	171.4	115.0	37.0	26	0.42	70.33	24.30	21.68
Pleuronectidae	GLHB	13	337.0	552.0	450.7	53.6	13	301.00	1647.00	812.46	334.51
Rajidae	ARSK	1	334.0	334.0			1	268.00	268.00		
Zoarcidae	ACEP	1	88.9	88.9			1	2.06	2.06		
	ADEP	2	46.9	52.1	49.5	3.7	3	0.19	0.81	0.49	0.31
	AREP	1	72.7	72.7			1	1.65	1.65		
	LEEP	3	48.3	266.0	139.3	113.2	3	0.30	98.53	34.57	55.44
	SCEP	1	174.6	174.6			1	22.28	22.28		
	UNZOAR	1	288.0	288.0			1	79.52	79.52		

^a Refers to species where fork length is reported

Table 26. Minimum (min), maximum (max), mean, and standard deviation (SD) values for fork/total length (mm) and round weight (g) for fish caught in BBT standard tows during station sampling along the TBS transect.

Family	Species code	n	FL/TL (mm)				Round weight (g)				
			Min	Max	Mean	SD	n	Min	Max	Mean	SD
Agonidae	ARAF	9	53.3	64.9	58.1	4.1	9	1.05	2.27	1.50	0.40
Cottidae	ARSS	1	34.6	34.6			1	0.32	0.32		
	RBSC	8	41.2	121.8	98.4	24.6	9	0.44	16.84	8.74	4.33
	SPSC	2	58.7	61.0	59.9	1.61	2	2.13	2.70	2.42	0.40
	THSC	14	47.3	62.8	54.5	5.54	14	0.82	3.54	1.96	0.93
	UNICSP	1	27.8	27.8			1	0.18	0.18		
Cyclopteridae	LFLS	1	45.0	45.0			1	4.90	4.90		
Gadidae	ARCD ^a	83	36.7	153.2	104.4	24.2	86	0.26	28.55	9.73	5.71
Liparidae	GLSS	1	82.6	82.6			1	5.67	5.67		
	KPSF	5	71.7	121.0	101.6	22.6	7	0.07	20.53	9.86	8.9
	SETP	2	89.8	93.4	91.6	2.6	2	5.89	5.96	5.92	0.05
	VGSF	1	71.2	71.2			1	3.23	3.23		
Rajidae	ARSK	1	303.0	303.0			1	269.00	269.00		
Zoarcidae	ACEP	1	179.3	179.3			1	23.74	23.74		
	ADEP	1	56.4	56.4			2	0.50	0.58	0.54	0.05
	AREP	1	56.2	56.2			1	0.63	0.63		
	CAEP	3	40.7	49.4	44.3	4.5	3	0.23	0.54	0.33	0.18
	HBPT	3	38.6	93.4	63.8	27.7	3	0.11	2.58	1.11	1.30
	KWPT	4	31.3	68.6	51.9	17.8	4	0.08	1.16	0.60	0.50
	LEEP	1	80.7	80.7			3	0.67	2.30	1.72	0.92
	PAEP	2	76.2	92.2	84.2	11.3	2	1.87	3.88	2.88	1.42
	SCEP	1	123.5	123.5			1	6.93	6.93		
	UNLYSP	0					1	0.58	0.58		

^a Refers to species where fork length is reported

Table 27. Sex and generalized maturity stage data for fish caught in W2A standard tows during station sampling along the TBS transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF	2	5	7	1	11	12	2
	ARSS					1	1	
	RBSC							1
Cottidae	SPSC		1	1		3	3	1
	THSC	5	3	8	5	6	11	2
	UNICSP	1		1				2
Gadidae	ARCD	50	72	122	54	83	137	53
	GLSS	1		1				1
Liparidae	KPSF	7	3	10	5	4	9	6
Pleuronectidae	GLHB	7		7	6		6	
Rajidae	ARSK				1		1	
	ADEP							3
Zoarcidae	LEEP							1

^a Unknown refers to fish where sex and maturity could not be determined.

Table 28. Sex and generalized maturity stage data for fish caught in BBT standard tows during station sampling along the TBS transect.

Family	Species code	Female			Male			Unknown ^a
		Immature	Mature	Total	Immature	Mature	Total	
Agonidae	ARAF	2	3	5		2	2	
Cottidae	ARSS							1
	RBSC		4	4		3	3	2
	SPSC	1		1		1	1	
	THSC	2	1	4 ^b	4	3	7	3
	UNICSP							1
Gadidae	ARCD	4	3	7	2	9	11	
Liparidae	KPSF	2		2	3		3	2
Rajidae	ARSK				1		1	
Zoarcidae	ADEP							2
	AREP							1
	CAEP							3
	LEEP				1		1	2
	UNLYSP							1

^a Unknown refers to fish where sex and maturity could not be determined.

^b Includes fish where sex was determined but maturity status was unknown.

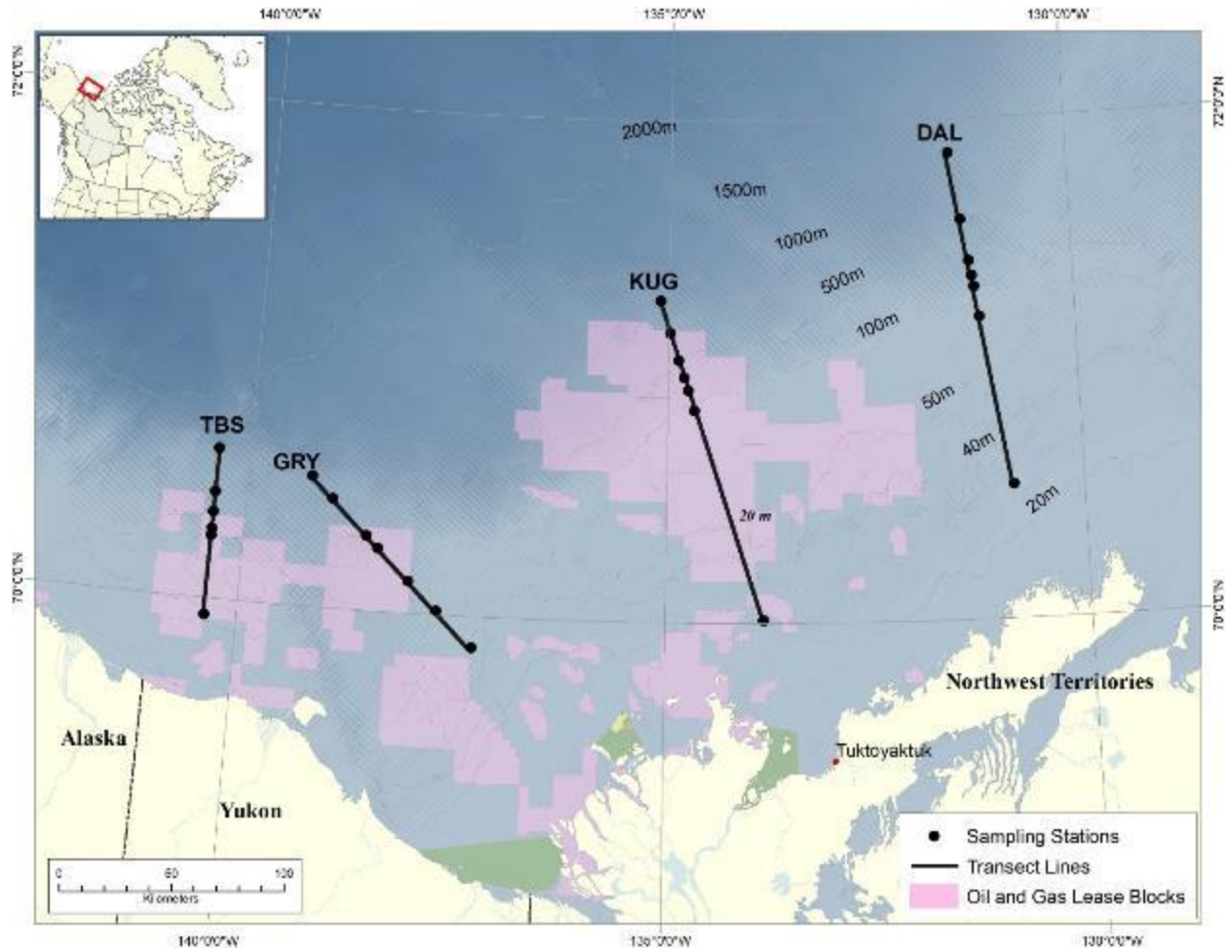


Figure 1. Map of study area showing the four transects (DAL, KUG, GRY, and TBS) along with the sampling stations.

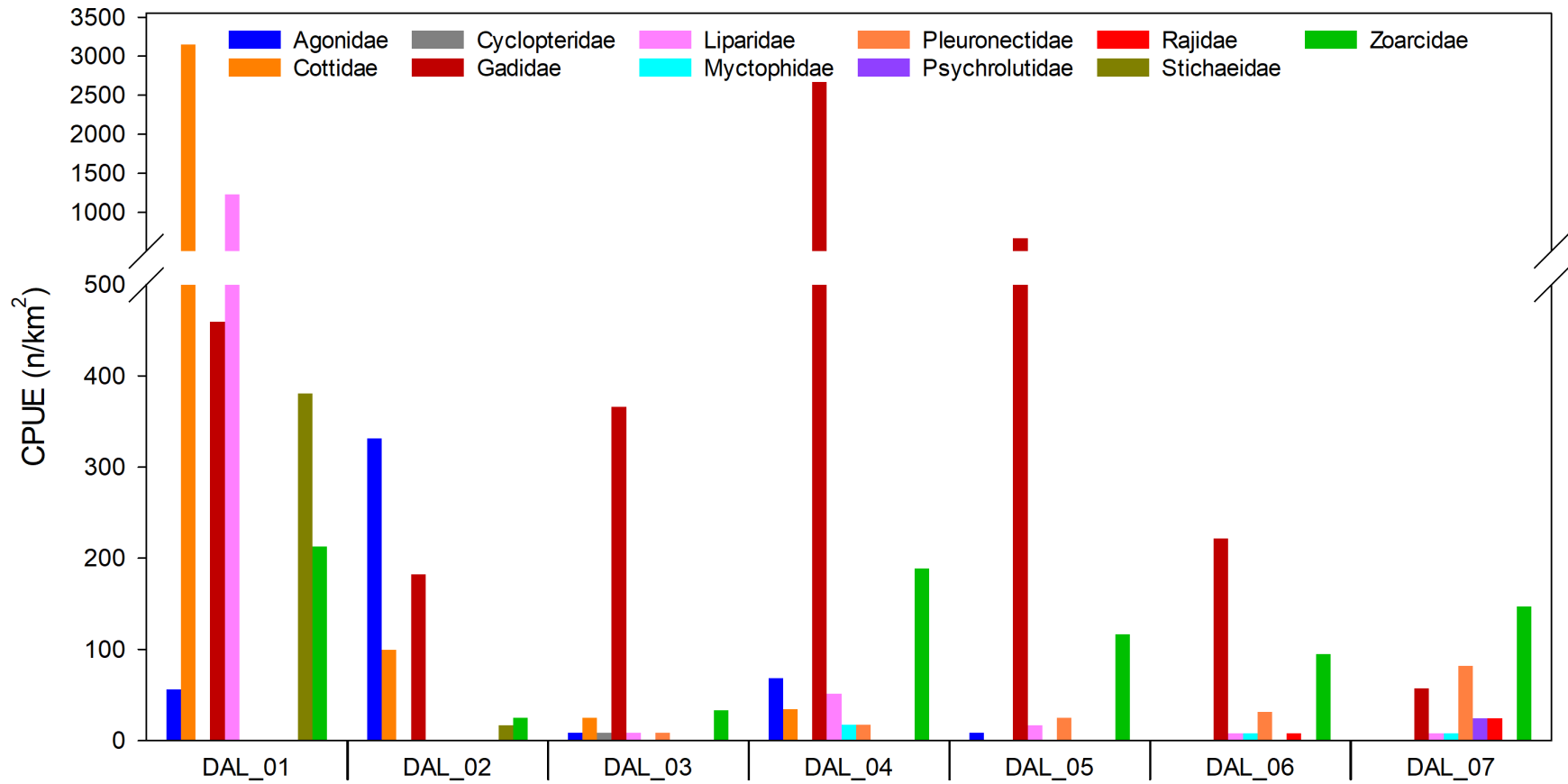


Figure 2. Catch per unit effort (CPUE) by family and station for fish caught in W2A standard tows during station sampling along the DAL transect.

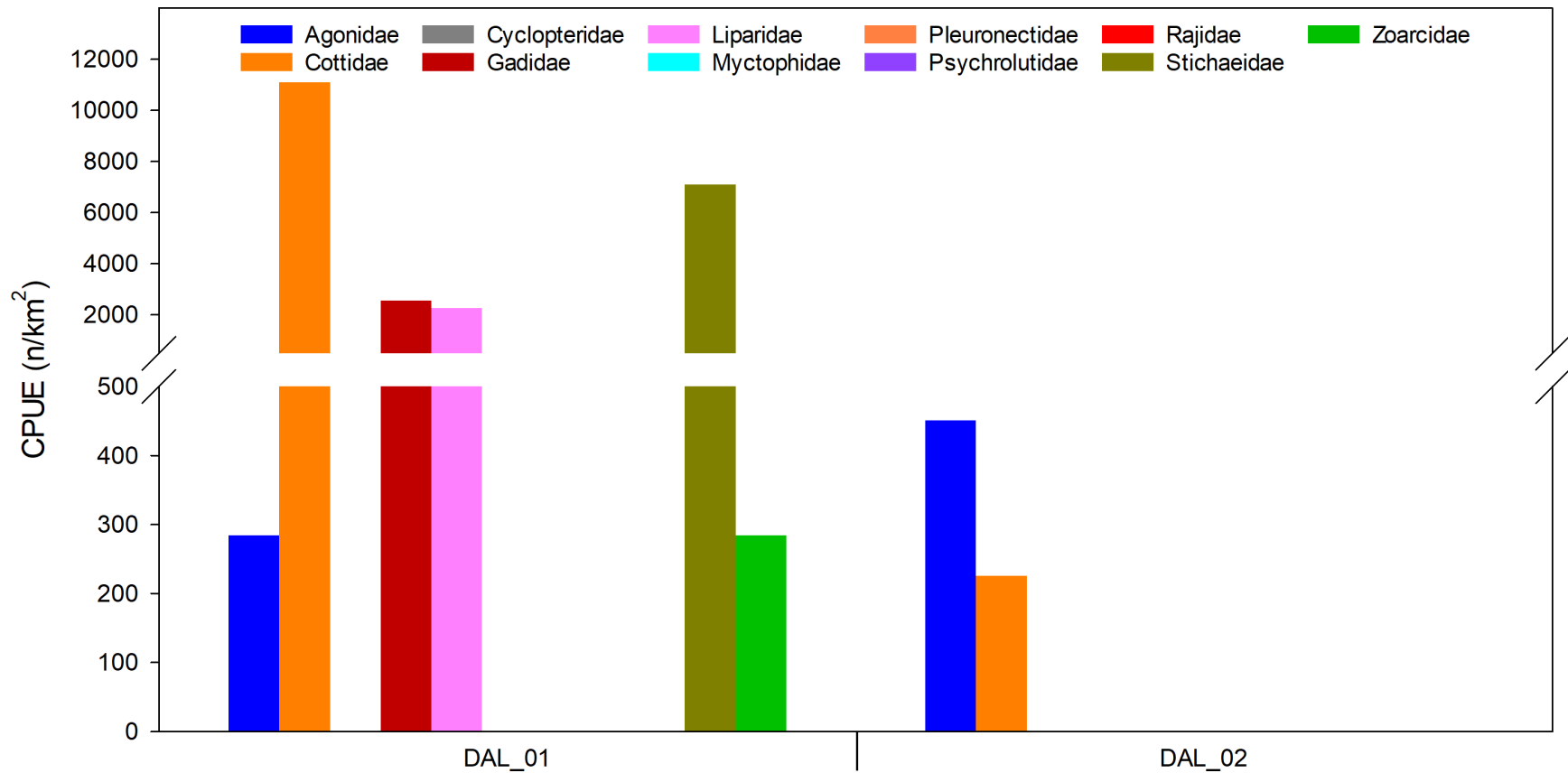


Figure 3. Catch per unit effort (CPUE) by family and station for fish caught in BBT standard tows during station sampling along the DAL transect.

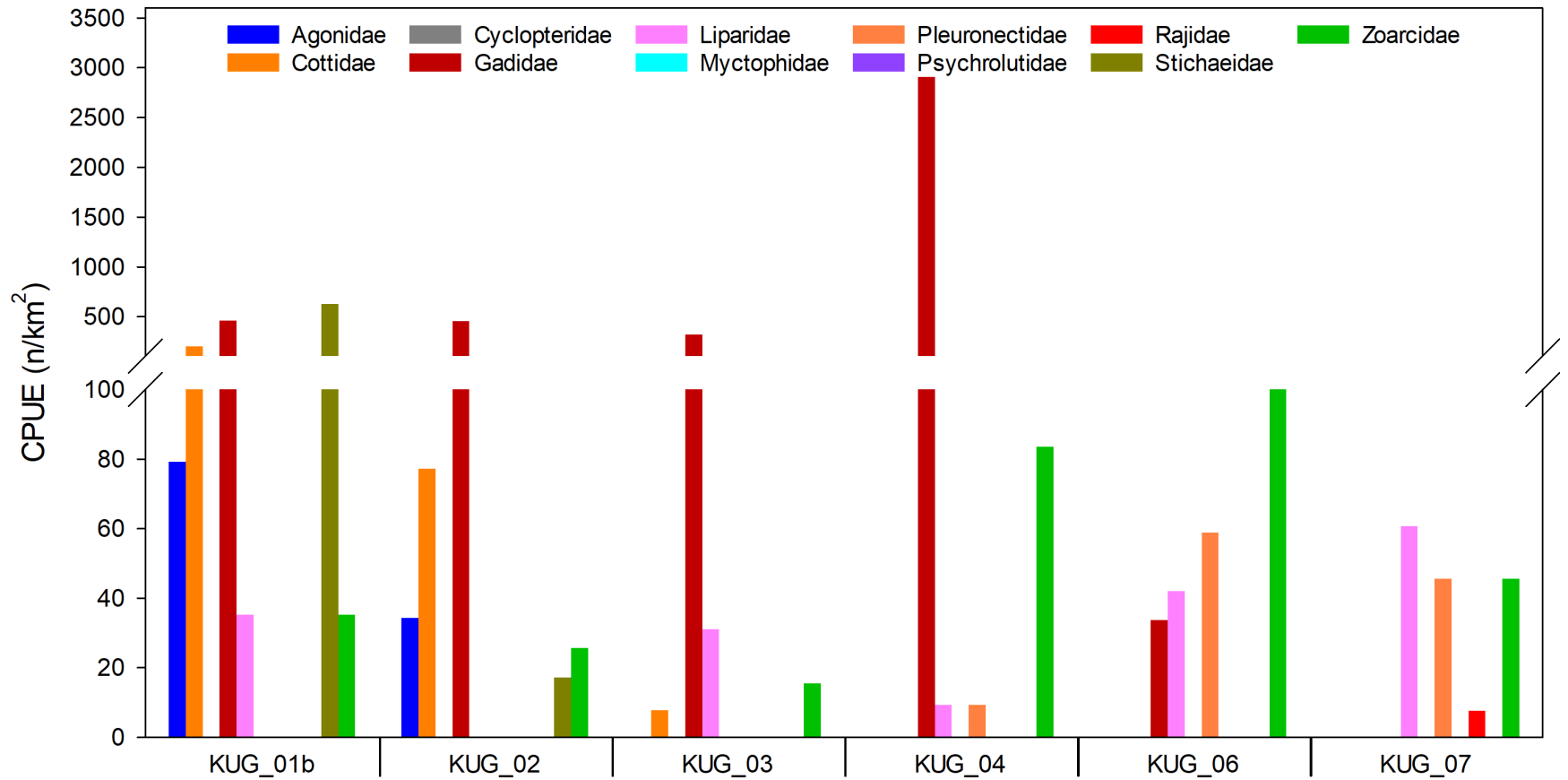


Figure 4. Catch per unit effort (CPUE) by family and station for fish caught in W2A standard tows during station sampling along the KUG transect.

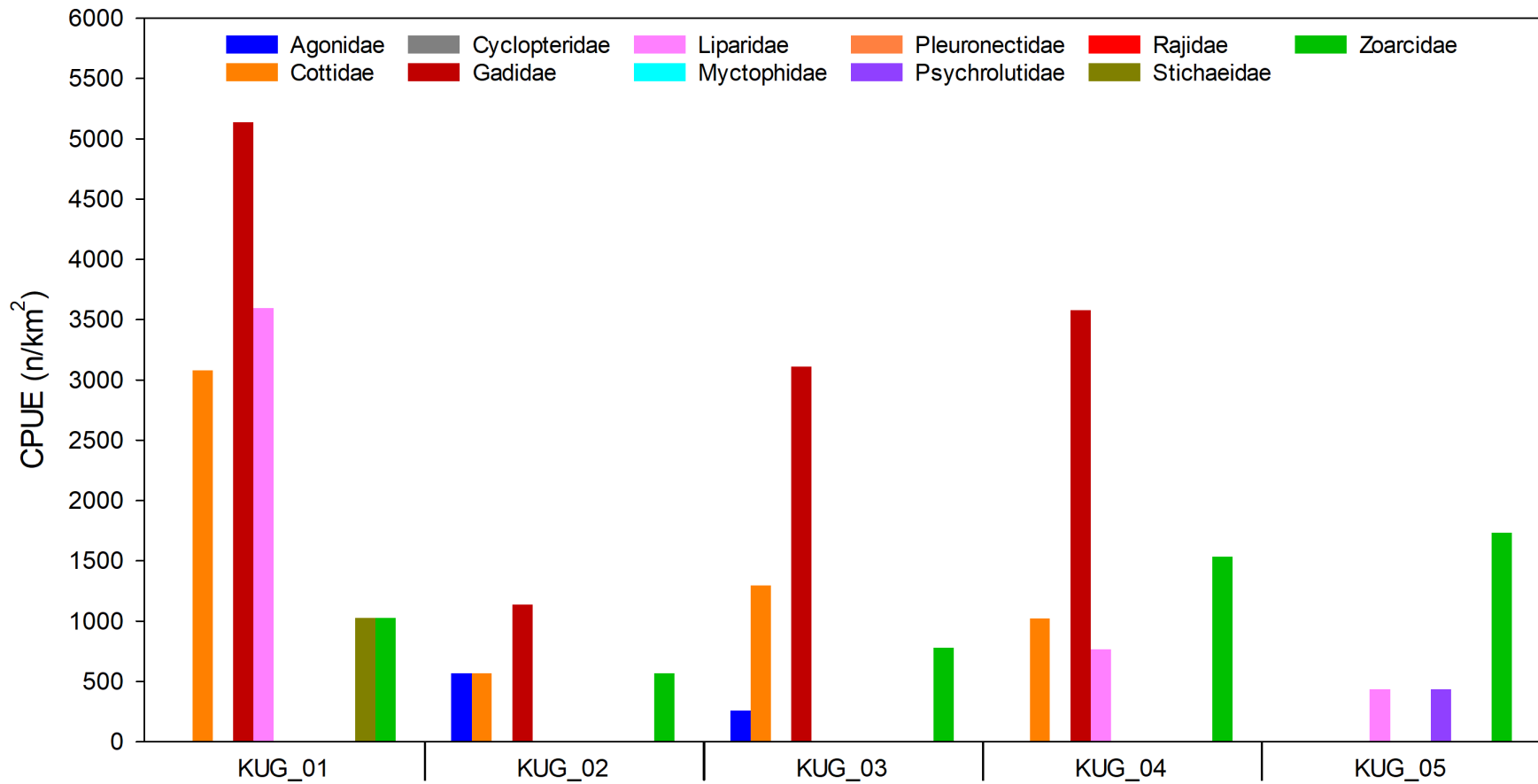


Figure 5. Catch per unit effort (CPUE) by family and station for fish caught in BBT standard tows during station sampling along the KUG transect.

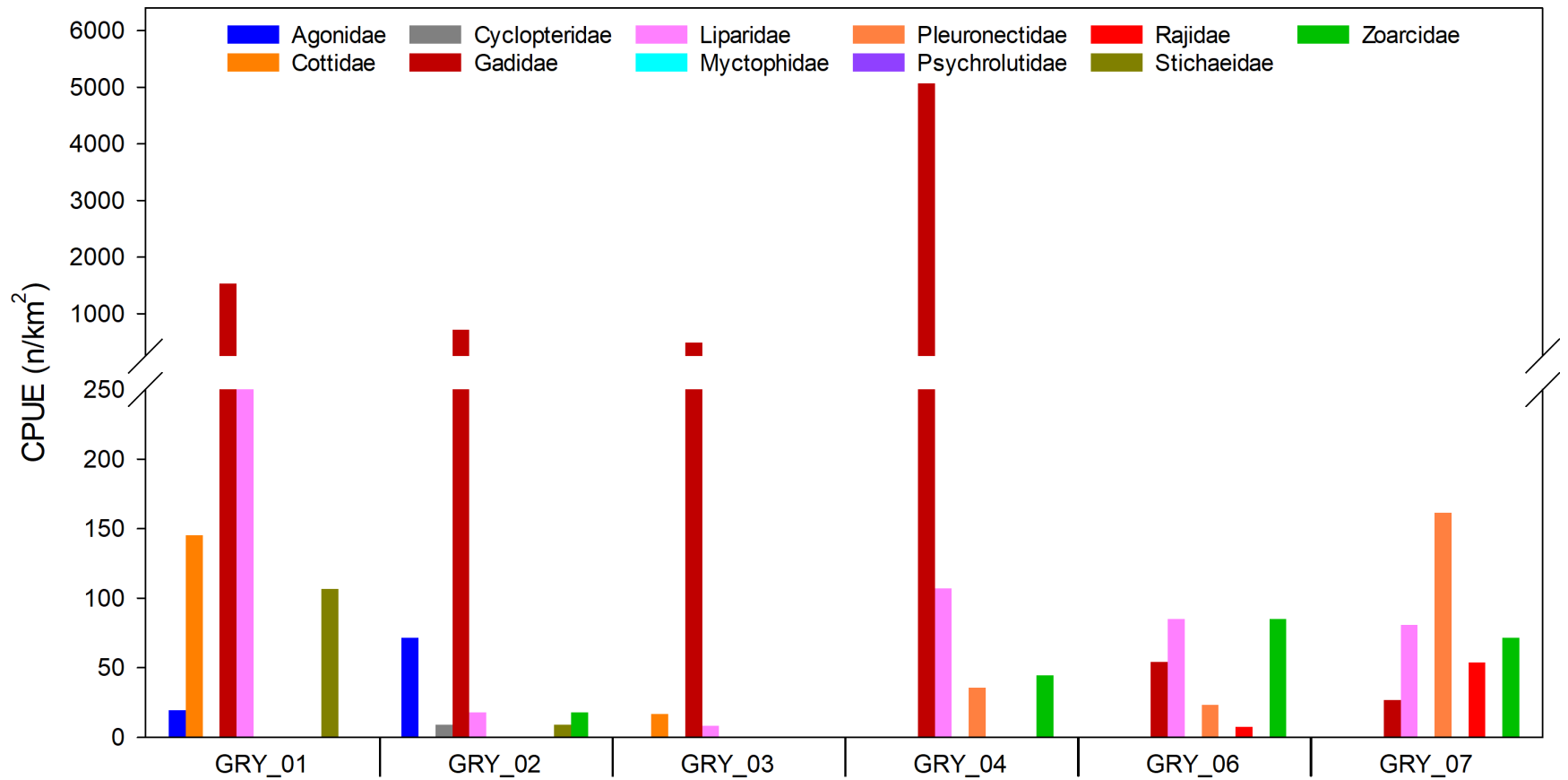


Figure 6. Catch per unit effort (CPUE) by family and station for fish caught in W2A standard tows during station sampling along the GRY transect.

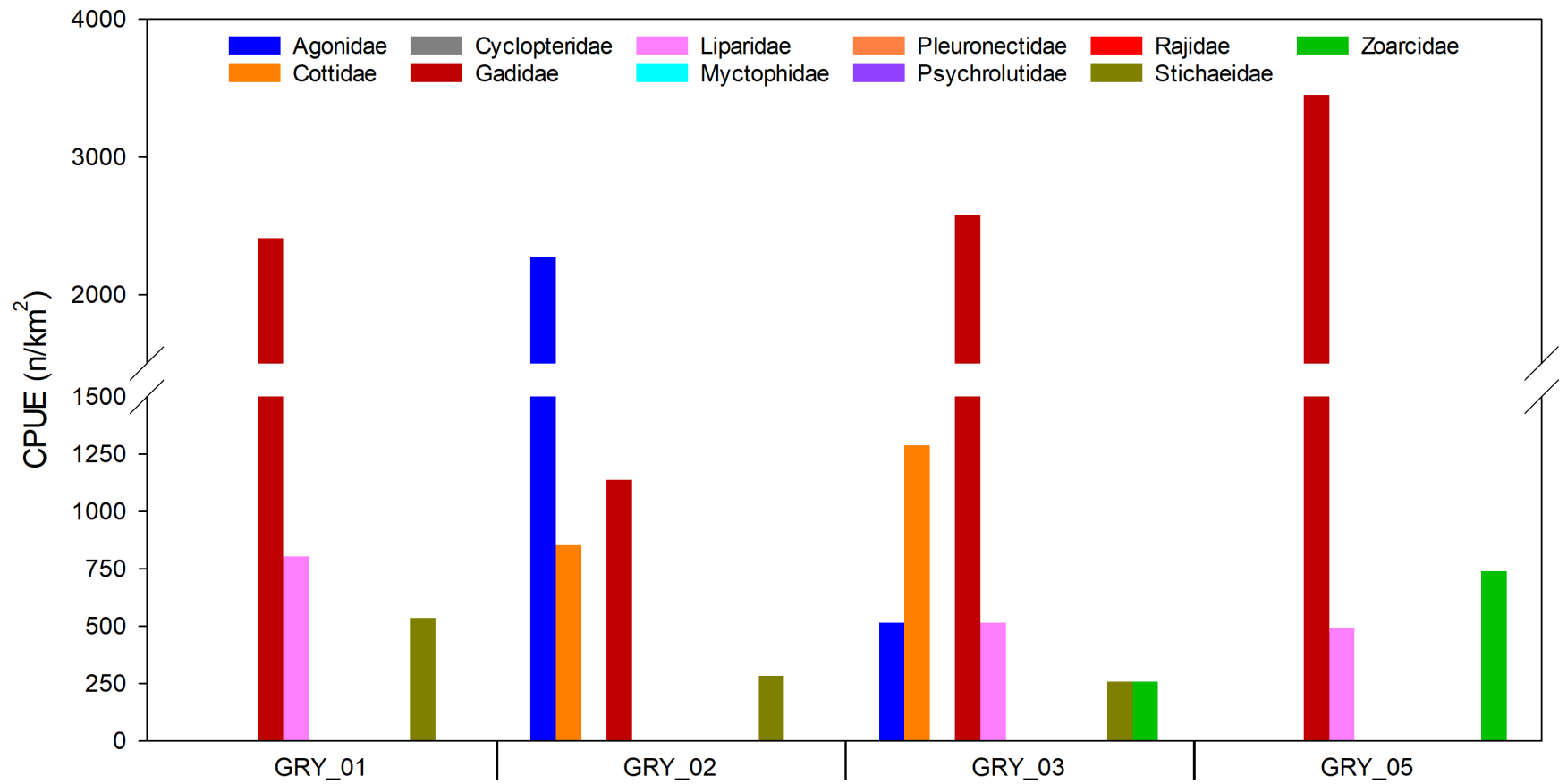


Figure 7. Catch per unit effort (CPUE) by family and station for fish caught in BBT standard tows during station sampling along the GRY transect.

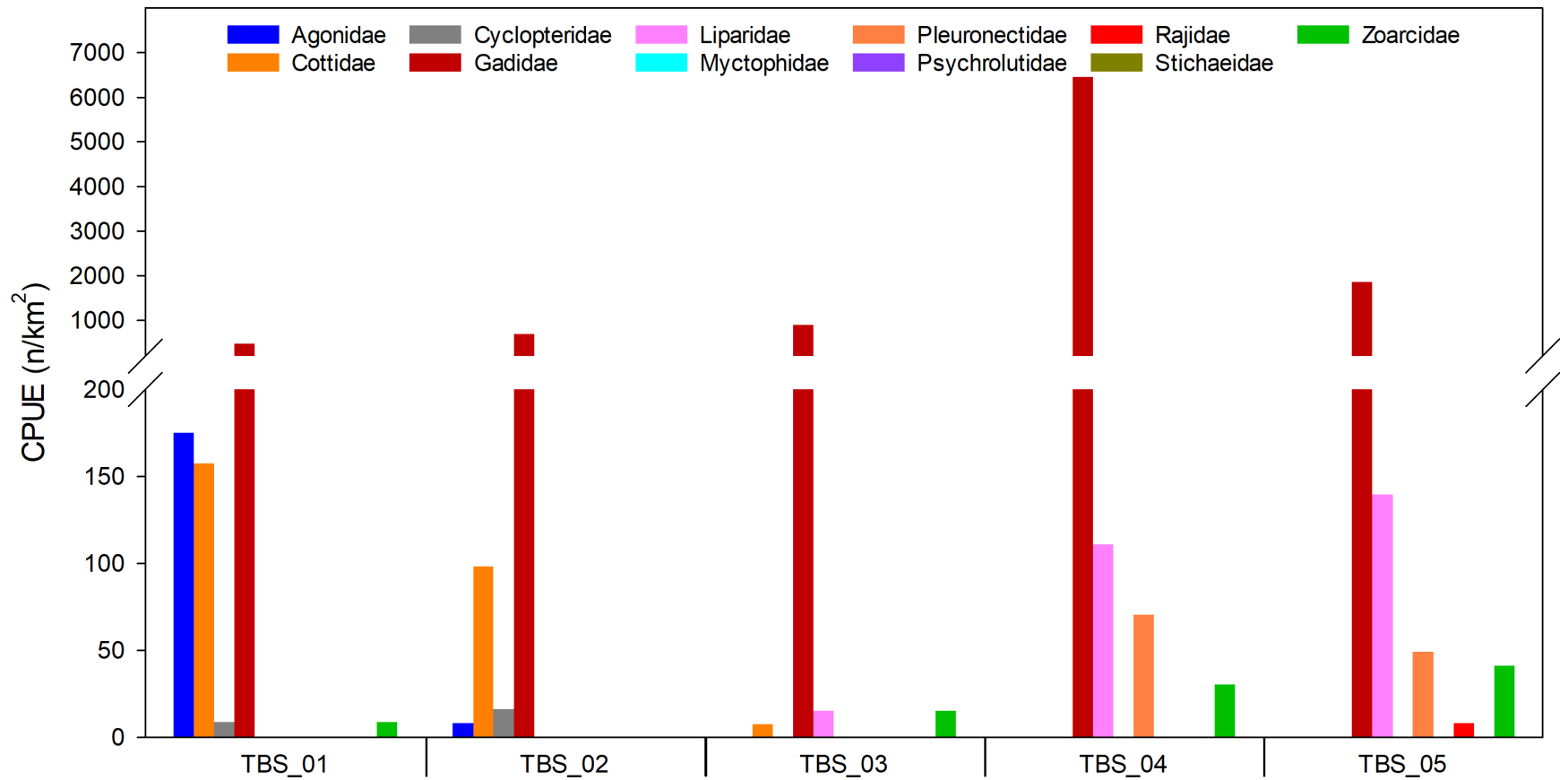


Figure 8. Catch per unit effort (CPUE) by family and station for fish caught in W2A standard tows during station sampling along the TBS transect.

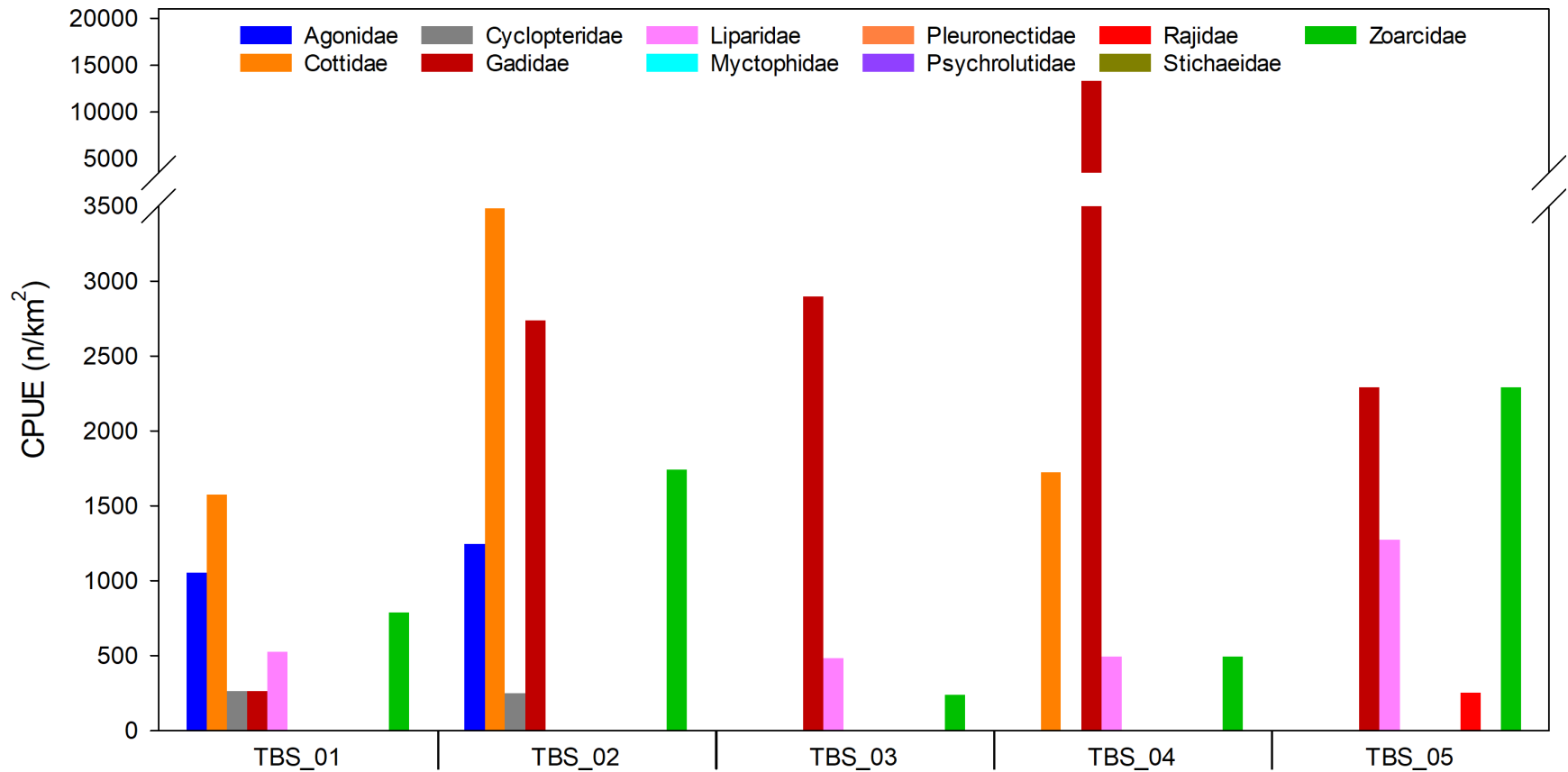


Figure 9. Catch per unit effort (CPUE) by family and station for fish caught in BBT standard tows during station sampling along the TBS transect.

APPENDIX 1. MATURITY QUALITY CODE INDICES USED DURING LABORATORY PROCESSING

Table A - 1. Maturity quality code index used during laboratory processing for all fish families excluding Rajidae. Source: McGowan (1987).

Maturity State	Female (2)		Male (1)	
	Code	Description	Code	Description
Immature	1	<ul style="list-style-type: none"> - Ovaries granular in texture - Hard and triangular in shape - Up to full length of body cavity - Membrane full - Eggs distinguishable 	6	<ul style="list-style-type: none"> - Testes long and thin - Tubular and scalloped shape - Up to full body length - Putty-like firmness
Mature	2	<ul style="list-style-type: none"> - Current year spawner - Ovary fills body cavity - Eggs near full size but not loose - Eggs not expelled by pressure 	7	<ul style="list-style-type: none"> - Current-year spawner - Testes large and lobate - White to purplish colour - Centers may be fluid - Milt not expelled by pressure
Ripe	3	<ul style="list-style-type: none"> - Ovaries fill body cavity - Eggs full size and transparent - Eggs expelled by slight pressure 	8	<ul style="list-style-type: none"> - Testes full size - White and lobate - Milt expelled by slight pressure
Spent	4	<ul style="list-style-type: none"> - Spawning complete - Ovaries ruptured and flaccid - Developing oocytes visible - Some retained eggs 	9	<ul style="list-style-type: none"> - Spawning complete - Testes flaccid with some milt - Blood vessels obvious - Testes violet pink in colour
Resting	5	<ul style="list-style-type: none"> - Ovary 40-50% of body cavity - Membrane thin, loose, and semi-transparent - Healed from spawning - Developing oocytes apparent with few atretic eggs - Some eggs may be retained in body cavity 	10	<ul style="list-style-type: none"> - Testes tubular, less lobate - Healed from spawning - No fluid in center - Usually full length - Mottled and purplish in colour
Female or Male				
Unknown	0	<ul style="list-style-type: none"> - Cannot be sexed - Gonads long or short and thin - Transparent and translucent 	11	<ul style="list-style-type: none"> - Resting fish - Spawning complete, gonads not regenerated - Sexing not possible

Table A - 2. Maturity quality code index used during laboratory processing for skates (Family: Rajidae). Source: Originally from Zeiner and Wolf (1993), modified by Matta and Gunderson (2007).

Stage	Female characteristics	Male characteristics
1 Juvenile (immature)	<ul style="list-style-type: none"> - Small undeveloped ovaries and shell glands - No differentiated ova present 	<ul style="list-style-type: none"> - No coiling of vas deferens - Testes small and undeveloped - Claspers do not extend past posterior edge of pelvic fin - No alar thorns present
2 Adolescent (maturing)	<ul style="list-style-type: none"> - Ovaries beginning to enlarge and differentiate - Ova white, distinguishable but small - Shell glands widening but still gelatinous in appearance 	<ul style="list-style-type: none"> - Some coiling of vas deferens - Testes enlarging - Claspers extend past pelvic fin edge but are only somewhat calcified - Alar thorns may be present
3 Adult (mature)	<ul style="list-style-type: none"> - Large yellow (yolked) ova, greater than 2cm in diameter - Large, solid, functional shell glands 	<ul style="list-style-type: none"> - Complete coiling of vas deferens - Large developed testes - Calcified claspers - Prominent alar thorns

Appendix 2. BASIC BIOLOGICAL DATA FOR INDIVIDUAL FISH CAUGHT FOR 2012 BSMFP EXPEDITION

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001		1	CAEP	1	5.095	105.27		103.01		0.006	1	6
dal_01	w2a_001		2	CAEP	1	4.156	99.9		97.03		0.015	1	7
dal_01	w2a_001		3	AREP	1	1.333	65.69		63.75			n/a	
dal_01	w2a_001		4	CAEP	1	1.016	61.53		59.98			0	Unknown
dal_01	w2a_001		5	CAEP	1	0.986	60.28		58.2		0.024	1	7
dal_01	w2a_001		6	CAEP	1	1.571	68.59		66.75		0.001	1	6
dal_01	w2a_001		7	CAEP	1	1.24	63.59		61.7			0	Unknown
dal_01	w2a_001		8	CAEP	1	1.113	61.44		59.66		0.008	2	1
dal_01	w2a_001		9	CAEP	1	1.787	75.65		72.62		0.002	1	6
dal_01	w2a_001		10	CAEP	1	1.078	67.33		64.93		0.001	1	6
dal_01	w2a_001		11	CAEP	1	1.2	63.08		61.71			0	Unknown
dal_01	w2a_001		12	AREP	1	1.133	62.5		60.27			n/a	
dal_01	w2a_001		13	AREP	1	0.995	63.89		62.04			n/a	
dal_01	w2a_001		14	CAEP	1	1.197	66.85		65.52		0.001	1	6
dal_01	w2a_001		15	CAEP	1	2.741	87.48		83.49			n/a	
dal_01	w2a_001		16	CAEP	1	1.257	66.35		63.95		0.001	1	6
dal_01	w2a_001		17	CAEP	1	0.871	60.77		59.34			0	Unknown
dal_01	w2a_001		18	CAEP	1	1.299	66.36		64.38			0	Unknown
dal_01	w2a_001		19	CAEP	1	0.921	58.61		57.06		0.015	2	2
dal_01	w2a_001		20	RBSC	1	0.629	44.57		39.44			0	Unknown
dal_01	w2a_001		21	RBSC	1	0.533	43.2		39.24			0	Unknown
dal_01	w2a_001		22	RBSC	1	0.627	45.36		39.74		0.001	2	1
dal_01	w2a_001		23	RBSC	1	0.341			31.45			0	Unknown
dal_01	w2a_001		24	RBSC	1	0.602	46.97		42.16		0.003	0	Unknown
dal_01	w2a_001		25	RBSC	1	0.66	45.27		38.92			0	Unknown
dal_01	w2a_001		26	RBSC	1	0.669	45.59		40.86			0	Unknown
dal_01	w2a_001		27	RBSC	1	0.712	47.12		40.84			0	Unknown
dal_01	w2a_001		28	RBSC	1	0.419	41.42		35.66			0	Unknown
dal_01	w2a_001		29	RBSC	1	0.577	42.63		37.62			0	Unknown
dal_01	w2a_001		30	RBSC	1	2.482	70.55		62.48			0	Unknown
dal_01	w2a_001		31	RBSC	1	0.595	47.34		41.23			0	Unknown
dal_01	w2a_001		32	RBSC	1	0.604	46.49		40.05			0	Unknown
dal_01	w2a_001		33	RBSC	1	0.643	46.75		40.51			0	Unknown
dal_01	w2a_001		34	RBSC	1	0.559	46.14		41.39			0	Unknown
dal_01	w2a_001		35	RBSC	1	0.396	40.97		36.16			0	Unknown
dal_01	w2a_001		36	RBSC	1	0.389	41.87		36.44			0	Unknown
dal_01	w2a_001		37	RBSC	1	0.46	44.4		38.67			0	Unknown
dal_01	w2a_001		38	RBSC	1	0.44	42.47		37.46			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001		39	RBSC	1	0.537	44.01		38.64			0	Unknown
dal_01	w2a_001		40	RBSC	1	0.652	47.37		41.07			0	Unknown
dal_01	w2a_001		41	RBSC	1	0.339	37.01		32.67			0	Unknown
dal_01	w2a_001		42	RBSC	1	0.613	46.85		41.17			0	Unknown
dal_01	w2a_001		43	RBSC	1	0.465	42.03		36.07			0	Unknown
dal_01	w2a_001		44	RBSC	1	0.527	45.96		39.44			0	Unknown
dal_01	w2a_001		45	RBSC	1	0.55	49.59		39.96			0	Unknown
dal_01	w2a_001		46	RBSC	1	0.657	47.25		41.47		0.001	0	Unknown
dal_01	w2a_001		47	RBSC	1	0.322	38.78		33.91			0	Unknown
dal_01	w2a_001		48	RBSC	1	0.386	41.81		35.83			0	Unknown
dal_01	w2a_001		49	RBSC	1	0.412	41.48		36.83			0	Unknown
dal_01	w2a_001		50	RBSC	1	0.436	42.27		37.27			0	Unknown
dal_01	w2a_001		51	ARSS	1	2.346	60.53		50.74		0.07	1	7
dal_01	w2a_001		52	ARSS	1	2.52	59.08		49.09		0.082	1	7
dal_01	w2a_001		53	ARSS	1	2.456	59.87		49.23		0.126	1	7
dal_01	w2a_001		54	ARSS	1	0.349	33.59		29.09			0	Unknown
dal_01	w2a_001		55	ARSS	1	0.32	34.24		29.45			0	Unknown
dal_01	w2a_001		56	UNICSP	1	0.449	36.61		30.86			0	Unknown
dal_01	w2a_001		57	UNICSP	1	0.436	35.77		30.59			0	Unknown
dal_01	w2a_001		58	UNICSP	1	0.467	35.11		30.26			0	Unknown
dal_01	w2a_001		59	UNICSP	1	0.381	34.28		28.92			0	Unknown
dal_01	w2a_001		60	UNICSP	1	0.412	34.98		29.08			0	Unknown
dal_01	w2a_001		61	UNICSP	1	0.525	37.71		30.81			0	Unknown
dal_01	w2a_001		62	UNICSP	1	0.397	34.32		28.83			0	Unknown
dal_01	w2a_001		63	UNICSP	1	0.403	35.11		29.49			0	Unknown
dal_01	w2a_001		64	UNICSP	1	0.471	38.32		32.32			0	Unknown
dal_01	w2a_001		65	UNICSP	1	0.432	35.36		29.62			0	Unknown
dal_01	w2a_001		66	UNICSP	1	0.4	33.4		30.13			0	Unknown
dal_01	w2a_001		67	UNICSP	1	0.312	33.72		27.51			0	Unknown
dal_01	w2a_001		68	ARSS	1	10.287	90.8		75.81		0.597	1	7
dal_01	w2a_001		69	ARSS	1	3.506	64.9		54.24		0.226	1	7
dal_01	w2a_001		70	ARSS	1	2.906	61.37		52.44		0.215	1	7
dal_01	w2a_001		71	ARSS	1	2.724			50.61		0.142	1	7
dal_01	w2a_001		72	ARSS	1	2.201	56.99		47.69		0.075	1	7
dal_01	w2a_001		73	ARSS	1	2.515	60.48		49.99		0.157	1	7
dal_01	w2a_001		74	ARSS	1	2.08	55.12		46.32		0.032	1	7
dal_01	w2a_001		75	ARSS	1	2.26	58.4		49		0.091	1	7
dal_01	w2a_001		76	ARSS	1	1.699	52.29		45.94		0.06	1	7
dal_01	w2a_001		77	ARSS	1	6.134	81.86		68		0.528	1	7
dal_01	w2a_001		78	ARSS	1	1.898	55.39		46.72		0.01	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001		79	ARSS	1	2.659	60.7		50.82		0.013	2	1
dal_01	w2a_001		80	SPSC	1	1.59	51.9		43.48		0.027	1	6
dal_01	w2a_001		81	UNICSP	1	0.466	36.08		30.56			0	Unknown
dal_01	w2a_001		82	UNICSP	1	0.525	41.32		34.81		0.001	2	1
dal_01	w2a_001		83	UNICSP	1	0.401	33.73		29.01			0	Unknown
dal_01	w2a_001		84	UNICSP	1	0.402	35.18		29.45			0	Unknown
dal_01	w2a_001		85	UNICSP	1	0.413	33.31		27.95		0.001	2	1
dal_01	w2a_001		86	RBSC	1	0.796	49.61		42.63		0.001	0	Unknown
dal_01	w2a_001		87	RBSC	1	2.188	67.73		59.31			0	Unknown
dal_01	w2a_001		88	RBSC	1	0.571	44.74		39.46			0	Unknown
dal_01	w2a_001		89	RBSC	1	0.756	49.27		43.6			0	Unknown
dal_01	w2a_001		90	RBSC	1	0.488	44.09		38.66			0	Unknown
dal_01	w2a_001		91	RBSC	1	0.452	41.37		35.48			0	Unknown
dal_01	w2a_001		92	RBSC	1	0.557	43.42		38.12			0	Unknown
dal_01	w2a_001		93	RBSC	1	0.597	46.05		39.17			0	Unknown
dal_01	w2a_001		94	RBSC	1	0.631	46.23		40.04			0	Unknown
dal_01	w2a_001		99	RBSC	1	0.45	40.18		35.05			0	Unknown
dal_01	w2a_001		100	RBSC	1	0.526	42.66		37.79		0	0	Unknown
dal_01	w2a_001		101	RBSC	1	0.414	41.08		35.67			0	Unknown
dal_01	w2a_001		102	RBSC	1	0.673	47.81		41.56		0.001	2	1
dal_01	w2a_001		103	RBSC	1	0.228	35.8		31.38			0	Unknown
dal_01	w2a_001		104	RBSC	1	0.466	40.95		35.87		0.001	1	6
dal_01	w2a_001		105	RBSC	1	0.636	46.08		39.77			0	Unknown
dal_01	w2a_001		106	RBSC	1	0.407	42.36		37.28			0	Unknown
dal_01	w2a_001		107	RBSC	1	0.281	37.86		33.07			0	Unknown
dal_01	w2a_001		108	RBSC	1	0.512	46.52		40.77		0.001	0	Unknown
dal_01	w2a_001		109	RBSC	1	0.466	42.98		36.76			0	Unknown
dal_01	w2a_001		110	RBSC	1	0.229	36.19		31.2			0	Unknown
dal_01	w2a_001		111	RBSC	1	0.598	44.75		41.45			0	Unknown
dal_01	w2a_001		112	RBSC	1	0.474	43.62		38.07			0	Unknown
dal_01	w2a_001		113	RBSC	1	0.461	46.21		39.28			0	Unknown
dal_01	w2a_001		114	RBSC	1	0.669	46.97		40.6			0	Unknown
dal_01	w2a_001		115	RBSC	1	0.419	40.54		34.79			0	Unknown
dal_01	w2a_001		116	RBSC	1	0.352	41.1		35.44			0	Unknown
dal_01	w2a_001		117	RBSC	1	0.576	46.53		40.72			0	Unknown
dal_01	w2a_001		118	RBSC	1	0.626	46.38		39.96			0	Unknown
dal_01	w2a_001		119	RBSC	1	0.435	42.47		38.19			0	Unknown
dal_01	w2a_001		120	SPSC	1	0.484	40.54		36.14			0	Unknown
dal_01	w2a_001		121	ARSS	1	0.301	34.87		30.22			0	Unknown
dal_01	w2a_001		122	RBSC	1	0.542	44.17		39.18			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001		123	RBSC	1	0.321	36.92		34.63			0	Unknown
dal_01	w2a_001		124	RBSC	1	0.589	46.29		40.22			0	Unknown
dal_01	w2a_001		125	RBSC	1	0.397	43.96		38.38			0	Unknown
dal_01	w2a_001		126	RBSC	1	0.376	41.01		36.02			0	Unknown
dal_01	w2a_001		127	RBSC	1	0.573	47.59		40.48			0	Unknown
dal_01	w2a_001		128	RBSC	1	0.323	38.95		33.62			0	Unknown
dal_01	w2a_001		129	RBSC	1	0.526	43.38		38.12			0	Unknown
dal_01	w2a_001		130	RBSC	1	0.245	36.18		30.26			0	Unknown
dal_01	w2a_001		131	RBSC	1	0.394	38.94		35.66			0	Unknown
dal_01	w2a_001		132	RBSC	1	0.629	46.93		41.5			0	Unknown
dal_01	w2a_001		133	RBSC	1	0.263						0	Unknown
dal_01	w2a_001		134	RBSC	1	0.637	47.63		41.28			0	Unknown
dal_01	w2a_001		135	RBSC	1	0.567	45.38		38.68			0	Unknown
dal_01	w2a_001		136	RBSC	1	0.476	43.32		37.99			0	Unknown
dal_01	w2a_001		137	RBSC	1	0.392	40.52		35.55			0	Unknown
dal_01	w2a_001		138	RBSC	1	0.468	40.95		35.79			0	Unknown
dal_01	w2a_001		139	RBSC	1	0.35	40.37		34.82			0	Unknown
dal_01	w2a_001		140	RBSC	1	0.428	40.73		35.08			0	Unknown
dal_01	w2a_001		141	RBSC	1	0.386	38.9		34.28			0	Unknown
dal_01	w2a_001		142	RBSC	1	0.293	36.37		31.36			0	Unknown
dal_01	w2a_001		143	ARSS	1	0.319	33.48		28.3			0	Unknown
dal_01	w2a_001		144	UNICSP	1	0.422	36.85		32.05			0	Unknown
dal_01	w2a_001		145	UNICSP	1	0.322	33.5		28.96			0	Unknown
dal_01	w2a_001		146	UNICSP	1	0.405	36.15		30.15			0	Unknown
dal_01	w2a_001		147	UNICSP	1	0.491	37.21		31.41			0	Unknown
dal_01	w2a_001		148	UNICSP	1	0.28	34.17		29.37			0	Unknown
dal_01	w2a_001		149	ARSS	1	0.251	31.28		26.33			0	Unknown
dal_01	w2a_001		150	ARSS	1	0.308	32.48		27.97			0	Unknown
dal_01	w2a_001		151	ARSS	1	0.383	33.15		27.94			0	Unknown
dal_01	w2a_001		152	ARSS	1	0.244	30.98		26.14			0	Unknown
dal_01	w2a_001		153	ARCD	1	13.772	133.94	128.19	120.73			n/a	
dal_01	w2a_001		154	ARCD	1	15.009	129.1	125.31	117.24		0.481	1	7
dal_01	w2a_001		155	ARCD	1	6.34	93.96	91.43	84.81			n/a	
dal_01	w2a_001		156	ARCD	1	2.57	70.65	68.86	64.37			n/a	
dal_01	w2a_001		157	ARCD	1	0.49						n/a	
dal_01	w2a_001		158	ARCD	1	5.54	93.43	91.42	84.81		0.07	2	1
dal_01	w2a_001		159	ARCD	1	2.237	68.78	66.12	62.3	0.091	0.021	2	1
dal_01	w2a_001		160	ARCD	1	3.54	81.03	79.22	75.04		0.039	1	6
dal_01	w2a_001		161	ARCD	1	3.18	80.96	77.05	72.79			n/a	
dal_01	w2a_001		162	ARCD	1	4.36	86.58	85.4	78.12		0.051	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001		163	ARCD	1	2.686	64.95	67.05	65.36	0.153		0	Unknown
dal_01	w2a_001		164	ARCD	1	0.76	52.37	51.77	49.39			n/a	
dal_01	w2a_001		165	ARCD	1	3.22	77.64	75.72	70.44			n/a	
dal_01	w2a_001		166	ARCD	1	0.4	43.23	42.34	39.59			n/a	
dal_01	w2a_001		167	ARCD	1	2.66	74.53	73.2	68.7			n/a	
dal_01	w2a_001		168	ARCD	1	2.97	79.61	75.72	71.39			n/a	
dal_01	w2a_001		169	ARCD	1	1.48						n/a	
dal_01	w2a_001		170	ARCD	1	2.6			67.6			n/a	
dal_01	w2a_001		171	ARCD	1	0.75	49.55	47.48	45.77			n/a	
dal_01	w2a_001		172	ARCD	1	5.162	91.36	88.83	82.71	0.399	0.089	1	6
dal_01	w2a_001		173	ARCD	1	2.87	75.72	74.58	70.16			n/a	
dal_01	w2a_001		174	ARCD	1	1.43	60.95	59.06	55.01		0.01	1	6
dal_01	w2a_001		175	ARCD	1	2.32	73.98	72.21	67.35			n/a	
dal_01	w2a_001		176	ARCD	1	0.48					0	0	Unknown
dal_01	w2a_001		177	ARCD	1	0.612	44.36	42.57	39.46			0	Unknown
dal_01	w2a_001		178	ARCD	1	0.799	50.29	48.66	46.5	0.01		0	Unknown
dal_01	w2a_001		179	ARCD	1	2.76	74.17	72.64	67.94			n/a	
dal_01	w2a_001		180	ARCD	1	3.88	82.18	79.15	75.52	0.211	0.071	1	6
dal_01	w2a_001		181	ARCD	1	0.61						n/a	
dal_01	w2a_001		182	ARCD	1	0.62	49.01		45.78			n/a	
dal_01	w2a_001		183	ARCD	1	0.46	45.25	43.9	42.07			0	Unknown
dal_01	w2a_001		184	ARCD	1	1.82	66.52	62.82	60.91		0.011	2	1
dal_01	w2a_001		185	ARCD	1	6.12	71.8	69.83	65.98			n/a	
dal_01	w2a_001		186	ARCD	1	0.79	49.71	48.13	46			n/a	
dal_01	w2a_001		187	ARCD	1	0.54	46.98	45.6	43.17			0	Unknown
dal_01	w2a_001		188	ARCD	1	0.49	43.78	42.22	40.49			0	Unknown
dal_01	w2a_001		189	ARCD	1	0.33						n/a	
dal_01	w2a_001		190	ARCD	1	0.68	48.74		44.93			n/a	
dal_01	w2a_001		191	ARCD	1	0.37						n/a	
dal_01	w2a_001		192	ARCD	1	0.82			48.71		0	0	Unknown
dal_01	w2a_001		193	ARCD	1	0.35						n/a	
dal_01	w2a_001		194	ARAF	1	0.521	42.59		38		0.001	2	1
dal_01	w2a_001		195	ARAF	1	0.422	43.3		37.19		0.004	1	6
dal_01	w2a_001		196	ARAF	1	0.198	37.68		31.9			0	Unknown
dal_01	w2a_001		197	ARAF	1	0.07	31.43		28.22			0	Unknown
dal_01	w2a_001		198	ARAF	1	0.473	45.02		39.04		0.001	0	Unknown
dal_02	bbt_002		199	SPSC	1	1.826	54.21		47.95		0.025	1	6
dal_02	bbt_002		200	ARAF	1	0.696	51.49		45.18		0.007	2	1
dal_01	bbt_001		201	HBPT	1	0.278			45.09			0	Unknown
dal_01	bbt_001		202	ARCD	1	0.51	42.32	40.72	39.07			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	bbt_001		203	ARCD	1	0.27	39.12	37.58	35.83			n/a	
dal_01	bbt_001		204	ARCD	1	0.33	35.33	33.19	31.85			0	Unknown
dal_01	bbt_001		205	ARCD	1	0.33						n/a	
dal_01	bbt_001		206	ARCD	1	0.55	44.98	43.62	41.26			n/a	
dal_01	bbt_001		207	ARCD	1	0.44	42.12	40.93	39.01			n/a	
dal_01	bbt_001		208	ARCD	1	0.32	35.48	33.52	32.61			0	Unknown
dal_01	bbt_001		209	ARCD	1	0.793	50.09		45.23			0	Unknown
dal_01	bbt_001		210	ARCD	1	0.45	41.08	39.78	37.87			0	Unknown
dal_01	bbt_001		211	UNLISP	1	0.317						0	Unknown
dal_01	bbt_001		212	UNLISP	1	0.281						0	Unknown
dal_01	bbt_001		213	KPSF	1	0.336						0	Unknown
dal_01	bbt_001		214	KPSF	1	0.124						0	Unknown
dal_01	bbt_001		215	UNCASP	1	0.242						n/a	
dal_01	bbt_001		216	KPSF	1	0.352	31.74		28.43			0	Unknown
dal_01	bbt_001		217	UNLISP	1	0.289						0	Unknown
dal_01	bbt_001		218	ARAF	1	0.113	33.76		29.47			0	Unknown
dal_02	bbt_002		219	ARAF	1	0.196	35.89		30.98			0	Unknown
dal_01	bbt_001		220	ARSS	1	0.249	31.61		26.73			0	Unknown
dal_01	bbt_001		221	ARSS	1	2.669	59.81		50.95		0.029	2	1
dal_01	bbt_001		222	ARSS	1	3.158	63.14		52.5		0.147	1	7
dal_01	bbt_001		223	ARSS	1	2.487	56.28		46.34		0.145	1	7
dal_01	bbt_001		224	ARSS	1	2.664	60.05		50.06		0.124	1	7
dal_01	bbt_001		225	UNICSP	1	0.539	38.08		31.86			0	Unknown
dal_01	bbt_001		226	UNICSP	1	0.4	36.39		30.63			0	Unknown
dal_01	bbt_001		227	UNICSP	1	0.44	37.4		32.05			0	Unknown
dal_01	bbt_001		228	UNICSP	1	0.455	36		30.74			0	Unknown
dal_01	bbt_001		229	RBSC	1	0.507	43.62		37.99			0	Unknown
dal_01	bbt_001		230	RBSC	1	0.727	48.28		42.03		0.001	0	Unknown
dal_01	bbt_001		231	RBSC	1	0.381	40.8		36.25			0	Unknown
dal_01	bbt_001		232	RBSC	1	0.636	45.51		39.51			0	Unknown
dal_01	bbt_001		233	RBSC	1	0.488	42.11		37.25		0.001	0	Unknown
dal_01	bbt_001		234	RBSC	1	0.512	44.46		37.89			0	Unknown
dal_01	bbt_001		235	RBSC	1	0.6	44.18		38.93			0	Unknown
dal_01	bbt_001		236	RBSC	1	0.485	44.56		38.18			0	Unknown
dal_01	bbt_001		237	UNICSP	1	0.645	45.5		38.88			0	Unknown
dal_01	bbt_001		238	ARSS	1	0.264	28.18		27.18			0	Unknown
dal_01	w2a_001		239	UNLISP	1	5.949	80.31		69.24		0.125	1	7
dal_01	w2a_001		240	VGSF	1	1.909			53.79			n/a	
dal_01	w2a_001		241	UNLISP	1	0.328						0	Unknown
dal_01	w2a_001		242	UNLISP	1	0.221						0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001		243	UNLISP	1	0.269						0	Unknown
dal_01	w2a_001		244	UNLISP	1	0.558	37.48		32.77			0	Unknown
dal_01	w2a_001		245	KPSF	1	0.303			29.27			0	Unknown
dal_01	w2a_001		246	UNLISP	1	0.277			29.95			0	Unknown
dal_01	w2a_001		247	UNLISP	1	0.272						0	Unknown
dal_01	w2a_001		248	UNLISP	1	0.321			32.65			0	Unknown
dal_01	w2a_001		249	UNLISP	1	0.269						0	Unknown
dal_01	w2a_001		250	UNLISP	1	0.314			31.92			0	Unknown
dal_01	w2a_001		251	UNLISP	1	0.266						0	Unknown
dal_01	w2a_001		252	KPSF	1	0.224						0	Unknown
dal_01	w2a_001		253	UNLISP	1	0.233						0	Unknown
dal_01	w2a_001		254	UNLISP	1	0.236						0	Unknown
dal_01	w2a_001		255	UNLISP	1	0.354			30.8			0	Unknown
dal_01	w2a_001		256	KPSF	1	0.265						0	Unknown
dal_01	w2a_001		257	KPSF	1	0.265						0	Unknown
dal_01	w2a_001		258	UNLISP	1	0.29						0	Unknown
dal_01	w2a_001		259	RBSC	1	0.321	39.36		34.55			0	Unknown
dal_01	w2a_001		260	RBSC	1	0.321	39.29		34.61			0	Unknown
dal_01	w2a_001		261	RBSC	1	0.317	39.55		34.99			0	Unknown
dal_01	w2a_001		262	RBSC	1	0.296	36.82		32.37			0	Unknown
dal_01	w2a_001		263	UNICSP	1	0.371	35.74		30.73			0	Unknown
dal_01	w2a_001		264	UNICSP	1	0.335	34.67		29.25			0	Unknown
dal_01	w2a_001		265	UNICSP	1	0.293	33.39		28.03			0	Unknown
dal_01	w2a_001		266	UNICSP	1	0.567	33.96		28.66			0	Unknown
dal_01	w2a_001		267	UNICSP	1	0.357	31.1		28.58			0	Unknown
dal_01	w2a_001		268	UNICSP	1	0.427	37.47		30.96			0	Unknown
dal_02	w2a_002		269	ARAF	1	1.082	57.61		50.46		0.027	2	2
dal_02	w2a_002		270	ARAF	1	0.69	57.43		45.51		0.001	2	1
dal_02	w2a_002		271	ARAF	1	0.631	48.05		40.97		0.006	1	6
dal_02	w2a_002		272	ARAF	1	1.027	53.07		45.85		0.008	2	2
dal_02	w2a_002		273	ARAF	1	0.863	53.3		46.3		0.012	1	6
dal_02	w2a_002		274	ARAF	1	0.464	44.81		38.73		0.002	2	1
dal_02	w2a_002		275	ARAF	1	0.549	44.62		39.08		0.003	1	7
dal_02	w2a_002		276	ARAF	1	0.477	44.34		37.36			0	Unknown
dal_02	w2a_002		277	ARAF	1	0.568	45.07		39.51			n/a	
dal_02	w2a_002		278	ARAF	1	1.153	55.52		48.04		0.011	1	6
dal_02	w2a_002		279	ARAF	1	0.513	43.08		38.05			0	Unknown
dal_02	w2a_002		280	ARAF	1	0.604	47.2		41.41			0	Unknown
dal_02	w2a_002		281	ARAF	1	0.616	47.32		41.61		0.007	1	6
dal_02	w2a_002		282	ARAF	1	0.515	46.79		40.96			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_02	w2a_002		283	ARAF	1	1.067	55.72		47.79		0.012	1	7
dal_02	w2a_002		284	ARAF	1	1.092	51.88		45.81		0.018	2	2
dal_02	w2a_002		285	ARAF	1	0.576	46.41		39.71		0.007	2	1
dal_02	w2a_002		286	ARAF	1	0.599	47.07		41.79		0.001	2	1
dal_02	w2a_002		287	ARAF	1	0.444	43.86		37.66			0	Unknown
dal_02	w2a_002		288	ARAF	1	0.825	52.41		46.07		0.005	2	1
dal_02	w2a_002		289	ARAF	1	0.455	45.96		38.92			0	Unknown
dal_02	w2a_002		291	ARAF	1	0.82	50.49		44.53		0.001	2	1
dal_02	w2a_002		292	ARAF	1	0.428	44.95		38.97		0.006	2	1
dal_02	w2a_002		293	ARAF	1	0.6	48.54		42.24		0.001	0	Unknown
dal_02	w2a_002		294	ARAF	1	0.131	36.19		31.2			0	Unknown
dal_02	w2a_002		295	ARAF	1	1.09	55.62		48.62		0.011	1	6
dal_02	w2a_002		296	ARAF	1	0.882	55.73		48.16		0.013	1	6
dal_02	w2a_002		297	ARAF	1	0.777	52.77		47.12			0	Unknown
dal_02	w2a_002		298	ARAF	1	0.612	46.64		40.07		0.007	1	7
dal_02	w2a_002		299	ARAF	1	0.458	45.37		39.95			0	Unknown
dal_02	w2a_002		300	ARAF	1	0.873	52.25		44.95		0.009	1	7
dal_02	w2a_002		301	ARAF	1	0.394	43		37.27			0	Unknown
dal_02	w2a_002		302	ARAF	1	1.052	53.3		45.47		0.01	2	1
dal_02	w2a_002		303	ARAF	1	0.511	42.77		38.51		0.001	2	1
dal_02	w2a_002		304	ARAF	1	0.569	49.73		43.02		0.001	2	1
dal_02	w2a_002		305	ARAF	1	1.506	59.4		52.58		0.06	2	2
dal_02	w2a_002		306	ARAF	1	1.69	62.08		53.71			n/a	
dal_02	w2a_002		307	ARAF	1	0.706	49.24		42.61		0.007	2	1
dal_02	w2a_002		308	ARAF	1	0.629	48.67		42.8		0.001	2	1
dal_02	w2a_002		309	ARAF	1	0.6	46.34		39.29			n/a	
dal_02	w2a_002		310	ARCD	1	0.47	43.74	42.84	40.55			0	Unknown
dal_02	w2a_002		311	ARCD	1	0.433	43.31	42.09	39.99	0.009		0	Unknown
dal_02	w2a_002		312	ARCD	1	0.34	39.61	38.4	36.89			0	Unknown
dal_02	w2a_002		313	ARCD	1	0.14	32.69	31.8	30.33			0	Unknown
dal_02	w2a_002		314	ARCD	1	0.257			33.28			0	Unknown
dal_02	w2a_002		315	ARCD	1	0.293	36.92		33.61			0	Unknown
dal_02	w2a_002		316	ARCD	1	0.27	37.88	36.18	33.5			n/a	
dal_02	w2a_002		317	ARCD	1	0.33	41.68	40.23	37.8			n/a	
dal_02	w2a_002		318	ARCD	1	0.275	39.05	37.49	35.35			0	Unknown
dal_02	w2a_002		319	ARCD	1	0.267	37.42		34.15			0	Unknown
dal_02	w2a_002		320	ARCD	1	0.261	36.89		32.95			0	Unknown
dal_02	w2a_002		321	ARCD	1	0.239	35.65		32.36			0	Unknown
dal_02	w2a_002		322	ARCD	1	0.23	36.08	35.13	32.91			n/a	
dal_02	w2a_002		323	ARCD	1	0.25	35.13	34.03	32.43			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_02	w2a_002		324	ARCD	1	0.27	38.66	36.98	35.02			n/a	
dal_02	w2a_002		325	ARCD	1	0.52	44.57	42.81	40.41		0.001	0	Unknown
dal_02	w2a_002		326	ARCD	1	2.705	72.88	70.4	66.45	0.234	0.053	1	6
dal_02	w2a_002		327	ARCD	1	2.796	73.21	71.67	66.91	0.174	0.068	1	6
dal_02	w2a_002		328	ARCD	1	2.76	74.27	72.45	69.44		0.043	2	1
dal_02	w2a_002		329	ARCD	1	3.21	76.59	75.04	70.58		0.036	1	6
dal_02	w2a_002		330	ARCD	1	3.814	84.52	82.04	78.09	0.247	0.016	1	6
dal_02	w2a_002		331	ARCD	1	5.12	90.25	88.08	83.75		0.123	1	7
dal_02	w2a_002		332	RBSC	1	3.99	84.48		73.26		0.071	1	6
dal_02	w2a_002		333	SPSC	1	4.519	69.65		58.68		0.41	2	2
dal_02	w2a_002		334	SPSC	1	6.374	79.54		66.56		0.747	2	2
dal_02	w2a_002		335	THSC	1	1.239	50.86		41.23		0.007	1	6
dal_02	w2a_002		336	SPSC	1	1.227	50.03		41.9		0.009	1	6
dal_02	w2a_002		337	SPSC	1	2.689	61.66		51.33			0	Unknown
dal_02	w2a_002		338	SPSC	1	2.847	64.17		53.48		0.169	2	2
dal_02	w2a_002		339	SPSC	1	2.403	61.36		51.55		0.053	1	7
dal_02	w2a_002		340	SPSC	1	3.547	70.26		59.59		0.253	2	2
dal_02	w2a_002		341	SPSC	1	2.02	59.17		49.72		0.046	1	7
dal_02	w2a_002		342	SPSC	1	3.629	68.1		57.58			0	Unknown
dal_02	w2a_002		343	UNICSP	1	0.639	42.72		35.84		0.001	2	1
dal_02	w2a_002		344	UNGYSP	1	2.018	80.82		78.28			n/a	
dal_02	w2a_002		345	HBPT	1	0.7	56.06		54.58			0	Unknown
dal_02	w2a_002		346	HBPT	1	0.391	50.29		49			0	Unknown
dal_02	w2a_002		347	UNSTIC	1	0.829	79.32		71.43			n/a	
dal_02	w2a_002		348	UNACSP	1	0.135	46.72		42.44			n/a	
dal_03	w2a_003		349	ARCD	1	0.42					0	0	Unknown
dal_03	w2a_003		350	ARCD	1	0.37						0	Unknown
dal_03	w2a_003		351	ARCD	1	3.57	75.85	72.36	68.84			n/a	
dal_03	w2a_003		352	ARCD	1	3.79	79.56	76.97	73.25		0.026	1	6
dal_03	w2a_003		353	ARCD	1	3.62	76.71	74.99	72.61		0.062	1	6
dal_03	w2a_003		354	ARCD	1	3.94	83.61	80.27	74.97		0.056	2	1
dal_03	w2a_003		355	ARCD	1	4.34	88.66	86.34	81.28		0.06	2	1
dal_03	w2a_003		356	ARCD	1	3.4	78.73	76.77	72.73		0.048	2	1
dal_03	w2a_003		357	ARCD	1	6.26	99.41	97.62	92.32		0.128	1	6
dal_03	w2a_003		358	ARCD	1	3.58	88.88	86.02	81.1		0.047	1	6
dal_03	w2a_003		359	ARCD	1	5.955			87.53	0.264	0.175	1	7
dal_03	w2a_003		360	ARCD	1	4.33	85.43	83.31	78.07		0.066	2	1
dal_03	w2a_003		361	ARCD	1	5.6	101.4	99.96	95.11			n/a	
dal_03	w2a_003		362	ARCD	1	9.107	111.41	109.19	102.91	0.278	0.154	1	6
dal_03	w2a_003		363	ARCD	1	7.16	93.67	91.97	86.6			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_03	w2a_003		364	ARCD	1	5.401	90.17	87.4	82.85	0.161	0.061	1	6
dal_03	w2a_003		365	ARCD	1	9.278	110.36	106.7	100.1	0.646	0.221	2	2
dal_03	w2a_003		366	ARCD	1	6.25	105.58	102.66	96.75			n/a	
dal_03	w2a_003		367	ARCD	1	3.41					0.073	1	6
dal_03	w2a_003		368	ARCD	1	3.58	88.85	85.56	80.59		0.05	2	1
dal_03	w2a_003		369	ARCD	1	10.025	116.35	113.16	106.4	0.43	0.257	1	7
dal_03	w2a_003		370	ARCD	1	11.287	119.13	116.2	109.52	0.698	0.3	1	7
dal_03	w2a_003		371	ARCD	1	20.44	153.1	149.39	140.19		0.56	2	2
dal_03	w2a_003		372	ARCD	1	35.33	183.88	174.08	156.63		1.14	1	7
dal_03	w2a_003		373	ARCD	1	7.7	102.78	99.6	94.72		0.423	1	7
dal_03	w2a_003		374	ARCD	1	11.92	119.39	115.46	108.22			n/a	
dal_03	w2a_003		375	ARCD	1	6.275	92.34	86.71	83.56	0.184	0.186	1	7
dal_03	w2a_003		376	ARCD	1	8.64	112.51	109.78	104.28		0.464	1	6.5
dal_03	w2a_003		377	ARCD	1	4.99	86.8	84.35	79.98		0.086	1	6
dal_03	w2a_003		378	ARCD	1	5.27	95.03	92.31	86.6			n/a	
dal_03	w2a_003		379	ARCD	1	13.65	133.22	129.66	121.05		0.246	1	7
dal_03	w2a_003		380	ARCD	1	15.24	130.94	125.42	118.09		0.2	2	1
dal_03	w2a_003		381	ARCD	1	13.73	129.49	125.47	116.56		0.506	1	7
dal_03	w2a_003		382	ARCD	1	3.26	86.15	83.88	79.1		0.047	1	6
dal_03	w2a_003		383	ARCD	1	7.439	95.31	92.67	88.35	0.463	0.284	1	7
dal_03	w2a_003		384	ARCD	1	3.07	81.07	77.84	73.14	0.045	0.051	2	1
dal_03	w2a_003		385	ARCD	1	4.01	86.23	84.56	79.48		0.08	1	6
dal_03	w2a_003		386	ARCD	1	3.267	79.48	76.01	72.51	0.09	0.076	1	6
dal_03	w2a_003		387	ARCD	1	10.83	118.53	115.38	109.44		0.265	2	2
dal_03	w2a_003		388	ARCD	1	15.13	122.51	118.85	111.7		0.631	1	7
dal_03	w2a_003		389	ARCD	1	4.68	88.33	85.72	80.26		0.153	1	7
dal_03	w2a_003		390	ARCD	1	8.2	112.41	109.32	103.03		0.112	1	7
dal_03	w2a_003		391	ARCD	1	4.49	87.52	84.69	80.38		0.139	1	6
dal_03	w2a_003		392	ARCD	1	3.14	77.6	76.09	71.41			n/a	
dal_03	w2a_003		393	RBSC	1	1.22			54.3		0.004	0	Unknown
dal_03	w2a_003		394	THSC	1	3.05	64.31		54.39		0.033	2	2
dal_03	w2a_003		395	UNCASP	1	8.311	92.73		76.95			n/a	
dal_03	w2a_003		396	RBSC	1	5.735	100.02		87.18		0.325	1	7
dal_03	w2a_003		397	ARAF	1	0.385	41.46		35.03		0.001	1	6
dal_03	w2a_003		398	AREP	1	14.717	146.41		143.67			n/a	
dal_03	w2a_003		399	AREP	1	7.303	111.22		108.23			n/a	
dal_03	w2a_003		400	AREP	1	7.715	126.42		123.78			n/a	
dal_03	w2a_003		401	PAEP	1	14.481	149.6		145.24			n/a	
dal_03	w2a_003		402	BRFL	1	93.153	221		186.56			n/a	
dal_04	w2a_004		403	BRFL	1	416	361		307			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_04	w2a_004		404	KPSF	1	10.411	103.45		90.34		0.284	2	1
dal_04	w2a_004		405	KPSF	1	8.033	93.34		78.24		0.047	1	6
dal_04	w2a_004		406	KPSF	1	3.454	73.22		64.93			0	Unknown
dal_04	w2a_004		407	PAEP	1	4.609	102.24		99.69			n/a	
dal_04	w2a_004		408	ACEP	1	3.865	102.94		99.92			n/a	
dal_04	w2a_004		409	LEEP	1	0.379	51.04		49.59			0	Unknown
dal_04	w2a_004		410	ACEP	1	0.848	65.58		64.59			n/a	
dal_04	w2a_004		411	SCEP	1	0.787	62.43		61.32			0	Unknown
dal_04	w2a_004		412	AREP	1	0.437	50.35		48.33			0	Unknown
dal_04	w2a_004		413	AREP	1	0.462	49.12		47.82			0	Unknown
dal_04	w2a_004		414	AREP	1	2.678	88.8		85.31			0	Unknown
dal_04	w2a_004		415	AREP	1	0.277	46.61		45.05			0	Unknown
dal_04	w2a_004		416	UNCOTT	1							0	Unknown
dal_04	w2a_004		417	LEEP	1	716	487		473			n/a	
dal_04	w2a_004		418	LEEP	1	158	312		304			n/a	
dal_04	w2a_004		419	ARCD	1	9.46	122.1	117.16	109.09			n/a	
dal_04	w2a_004		420	PLCD	1	78.162	227	216	204			n/a	
dal_04	w2a_004		421	ARCD	1	13.88	133.83	127.68	119.85			n/a	
dal_04	w2a_004		422	ARCD	1	6.52	105.06	102.63	96.8		0.1	2	1
dal_04	w2a_004		423	ARCD	1	13.95	131.34	127	120.08		0.522	1	7
dal_04	w2a_004		424	ARCD	1	12.66	130.77	126.4	118.79		0.305	1	7
dal_04	w2a_004		425	ARCD	1	7.81	109.34	105.68	99.04		0.094	2	1
dal_04	w2a_004		426	ARCD	1	4.54	85.64	82.12	77.67		0.088	1	6
dal_04	w2a_004		427	ARCD	1	29.47	174.52	166.47	155.39			n/a	
dal_04	w2a_004		428	ARCD	1	29.34	176.75	170.05	152.73		0.666	2	1.5
dal_04	w2a_004		429	ARCD	1	27.92	172.52	165.91	154.59		0.909	2	2
dal_04	w2a_004		430	ARCD	1	26.19	166.19	159.73	150.22			n/a	
dal_04	w2a_004		431	ARCD	1	30.01	178.93	169.07	160.56		0.48	1	7
dal_04	w2a_004		432	ARCD	1	21.77	162.91	156.91	147.92			n/a	
dal_04	w2a_004		433	ARCD	1	18.83	144.68	138.19	129.07			n/a	
dal_04	w2a_004		434	ARCD	1	24.14	166.82	158.48	149.59		0.633	2	2
dal_04	w2a_004		435	ARCD	1	19.65	152.48	145.16	136.57			n/a	
dal_04	w2a_004		436	ARCD	1	21.23	154.94	148.12	138.91		0.561	1	7
dal_04	w2a_004		437	ARCD	1	19.5	154.37	148.39	139.08		0.659	2	2
dal_04	w2a_004		438	ARCD	1	3.68	85.37	82.81	77.93			n/a	
dal_04	w2a_004		439	ARCD	1	8.4	116.1	110.86	103.74			n/a	
dal_04	w2a_004		440	ARCD	1	8.39	114.53	110.92	104.68			n/a	
dal_04	w2a_004		441	ARCD	1	12.38	126.04	122.07	115.25		0.274	1	7
dal_04	w2a_004		442	ARCD	1	12.67	126.93	122.99	114.41			n/a	
dal_04	w2a_004		443	ARCD	1	13.35	130.41	125.75	117.68		0.461	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_04	w2a_004		444	ARCD	1	15.44	131.52	126.82	119.17		0.351	2	2
dal_04	w2a_004		445	ARCD	1	9.37	118.33	113.51	106.56			n/a	
dal_04	w2a_004		446	ARCD	1	10.31	128.45	122.1	114.45			n/a	
dal_04	w2a_004		447	ARCD	1	11.8	121.1	116.95	109.07		0.296	1	7
dal_04	w2a_004		448	ARCD	1	25.155	157.63	151.39	143.58		1.022	1	7
dal_04	w2a_004		449	ARCD	1	11.73	129.63	125.32	118.4			n/a	
dal_04	w2a_004		450	ARCD	1	12.93	134.34	128.93	121.49		0.32	2	2
dal_04	w2a_004		451	ARCD	1	11.9	127.35	124.18	114.54			n/a	
dal_04	w2a_004		452	ARCD	1	6.02	99	96.9	90.39			n/a	
dal_04	w2a_004		453	ARCD	1	7.52	105.13	102.4	95.08		0.184	1	7
dal_04	w2a_004		454	ARCD	1	7.43	101.42	99.1	93.34			n/a	
dal_04	w2a_004		455	ARCD	1	18.32	144.31	138	129.6			n/a	
dal_04	w2a_004		456	ARCD	1	15.517	140.18	134.46	125.53		0.286	1	7
dal_04	w2a_004		457	ARCD	1	14.73	139.91	137.08	127.12			n/a	
dal_04	w2a_004		458	ARCD	1	13	127.47	123.56	117.51		0.316	1	6
dal_04	w2a_004		459	ARCD	1	4.306	86.38	83.51	79.35		0.033	2	1
dal_04	w2a_004		460	ARCD	1	12.75	127.57	123.15	115.84		0.214	1	7
dal_04	w2a_004		461	ARCD	1	11.74	125.89	122.53	113.45			n/a	
dal_04	w2a_004		462	ARCD	1	11.93	123.77	118.68	111.51		0.258	2	2
dal_04	w2a_004		463	ARCD	1	13.46	126.91	125.2	119.25			n/a	
dal_04	w2a_004		464	ARCD	1	11.15	124.39	119.91	112.93		0.059	2	2
dal_04	w2a_004		465	ARCD	1	10.79	121.41	117.54	109.36			n/a	
dal_04	w2a_004		466	ARCD	1	8.32	117.93	113.23	106.07		0.149	1	6
dal_04	w2a_004		467	ARCD	1	11.96	120.69	115.67	108.33			n/a	
dal_04	w2a_004		468	ARCD	1	11.93	129.74	123.81	117.35			n/a	
dal_04	w2a_004		469	ARCD	1	19.09	141.13	138.38	128.51		0.321	2	2
dal_04	w2a_004		470	ARCD	1	17.61	141.85	137.34	132.34			n/a	
dal_04	w2a_004		471	ARCD	1	17.79	136.62	133.41	125.32			n/a	
dal_04	w2a_004		472	ARCD	1	6.7	118.16	112.43	105.86			n/a	
dal_04	w2a_004		473	ARCD	1	10.3	114.2	111.43	104.45			n/a	
dal_04	w2a_004		474	ARCD	1	6.31	104.32	100.38	94.47			n/a	
dal_04	w2a_004		475	ARCD	1	5.65	100.36	96.47	91.04		0.037	1	6
dal_04	w2a_004		476	ARCD	1	5.04	97.59	94.17	87.93		0.073	1	6
dal_04	w2a_004		477	ARCD	1	3.91	83.01	78.98	75.57			n/a	
dal_04	w2a_004		478	ARCD	1	2.98	79.03	78.11	71.98			n/a	
dal_04	w2a_004		479	ARCD	1	3.2	79.08	76.59	71.75			n/a	
dal_04	w2a_004		480	ARCD	1	2.19	72.64	70.84	66.26		0.001	1	6
dal_04	w2a_004		481	ARCD	1	2.94	81.64	80.08	75.49			n/a	
dal_04	w2a_004		482	ARCD	1	11.46	121.94	117.15	109.3			n/a	
dal_04	w2a_004		483	ARCD	1	11.25	123.29	116.22	110.96			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_04	w2a_004		484	ARCD	1	15.25	134.61	131.27	123.58		0.405	1	7
dal_04	w2a_004		485	ARCD	1	11.46	124.02	120.46	113.83		0.223	1	6
dal_04	w2a_004		486	ARCD	1	11.72	125.37	121.22	112.94			n/a	
dal_04	w2a_004		487	ARCD	1	11.17	125.79	121.88	114.23			n/a	
dal_04	w2a_004		488	ARCD	1	15.31	135.79	131.61	122.4			n/a	
dal_04	w2a_004		489	ARCD	1	16.07	136.99	131.17	123.59			n/a	
dal_04	w2a_004		490	ARCD	1	28.386	154.25	148.79	139.33	2.958	0.602	2	2
dal_04	w2a_004		491	ARCD	1	10.52	115.35	111.01	104.15		0.362	1	7
dal_04	w2a_004		492	ARCD	1	15.39	132.04	126.88	119.21		0.707	1	7
dal_04	w2a_004		493	ARCD	1	13.37	128.81	125.66	118.77		0.376	1	7
dal_04	w2a_004		494	ARCD	1	17.87	132.7	127.46	119.66		0.417	2	2
dal_04	w2a_004		495	ARCD	1	12.9	127.17	122.72	114.24		0.351	2	2
dal_04	w2a_004		496	ARCD	1	9.33	117.08	112.81	106.16		0.27	2	2
dal_04	w2a_004		497	ARCD	1	7.95	107.51	105	98.85		0.279	1	7
dal_04	w2a_004		498	ARCD	1	7.55	103.33	99.89	93.51			n/a	
dal_04	w2a_004		499	ARCD	1	6.21	97.67	94.88	89.5			n/a	
dal_04	w2a_004		500	ARCD	1	4.01	81.74	78.8	73.25			n/a	
dal_04	w2a_004		501	ARCD	1	3.26	79.44	77.74	73.72			n/a	
dal_04	w2a_004		502	ARCD	1	2.63		73.61	68			n/a	
dal_04	w2a_004		503	ARCD	1	2.93	78.7	76.56	71.32			n/a	
dal_04	w2a_004		504	ARCD	1	2.5	75.14	73.67	69.44			n/a	
dal_04	w2a_004		505	ARCD	1	3.49	79.78	77	72.74			n/a	
dal_04	w2a_004		506	ARCD	1	3.55	81.63	79.36	74.83	0.187	0.028	1	6
dal_04	w2a_004		507	ARCD	1	10.57	116.08	112.51	105.33			n/a	
dal_04	w2a_004		508	ARCD	1	9.52	115.45	111.51	105.3			n/a	
dal_04	w2a_004		509	ARCD	1	9.81	117.06	113.13	107.26		0.321	2	2
dal_04	w2a_004		510	ARCD	1	12.78	125.59	121.95	114.57		0.342	1	7
dal_04	w2a_004		511	ARCD	1	13.74	128.14	123.63	118.05		0.372	2	2
dal_04	w2a_004		512	ARCD	1	13.76	134.48	131.08	123.44		0.517	1	7
dal_04	w2a_004		513	ARCD	1	17.79	140.91	136.06	128.63		0.452	2	2
dal_04	w2a_004		514	ARCD	1	18.67	148.41	142.58	133.82		0.463	2	2
dal_04	w2a_004		515	ARCD	1	8.7	112.42	108.9	102.11			n/a	
dal_04	w2a_004		516	ARCD	1	12.37	130.34	126.11	117.18		0.533	1	7
dal_04	w2a_004		517	ARCD	1	10.46	123.55	118.86	111.79			n/a	
dal_04	w2a_004		518	ARCD	1	5.228	93.6	91.06	85.31	0.231	0.078	1	6
dal_04	w2a_004		519	ARCD	1	6.58	99.93	96.56	90.56		0.107	2	1
dal_04	w2a_004		520	ARCD	1	12.42	128.07	123.86	116.04		0.559	1	7
dal_04	w2a_004		521	ARCD	1	11.31	125.89	120.36	113.47		0.323	2	2
dal_04	w2a_004		522	ARCD	1	12.37	124.32	119.94	112.29			n/a	
dal_04	w2a_004		523	ARCD	1	10.5	117.49	113.08	106.09		0.255	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_04	w2a_004		524	ARCD	1	13.44	122.71	119.33	112.65			n/a	
dal_04	w2a_004		525	ARCD	1	13.78	138.01	133.78	126.97			n/a	
dal_04	w2a_004		526	ARCD	1	11.79	123.93	119.1	112.76		0.256	1	7
dal_04	w2a_004		527	ARCD	1	7.28	102.41	99.75	92.91		0.197	1	7
dal_04	w2a_004		528	ARCD	1	8.6	106.2	102.9	95.5		0.565	1	7
dal_04	w2a_004		529	ARCD	1	7.27	105.59	101.34	95.42			n/a	
dal_04	w2a_004		530	ARCD	1	5.45	94.66	91.47	85.63	0.265	0.096	2	2
dal_04	w2a_004		531	ARCD	1	3.91	84.07	81.88	77.64			n/a	
dal_04	w2a_004		532	ARCD	1	4.36	85.16	81.83	77.01			n/a	
dal_04	w2a_004		533	ARCD	1	4.56	85.68	83	77.93			n/a	
dal_04	w2a_004		534	ARCD	1	4.93	94.13	91.14	86.06		0.053	2	1
dal_04	w2a_004		535	ARCD	1	4.12	87.2	85.15	79.79			n/a	
dal_04	w2a_004		536	ARCD	1	4.06	86.18	83.79	78.12			n/a	
dal_04	w2a_004		537	ARCD	1	4.77	87.84	85.82	81.02		0.1	1	6
dal_04	w2a_004		538	ARCD	1	3	81.6	79.65	74.02			n/a	
dal_04	w2a_004		539	ARCD	1	3.71	85.86	83.65	79.51			n/a	
dal_04	w2a_004		540	ARCD	1	3.28	77.87	76.27	72.39		0.077	1	6
dal_04	w2a_004		541	ARCD	1	2.83	75.63	74.05	70.14		0.026	2	1
dal_04	w2a_004		542	ARCD	1	3.62	85.77	82.84	77.71			n/a	
dal_04	w2a_004		543	ARCD	1	2.793	75.13	73.77	68.55	0.115	0.026	1	6
dal_04	w2a_004		544	ARCD	1	2.23	70.87	67.91	65.27		0.09	1	6
dal_04	w2a_004		545	ARCD	1	2.09	71.22		64.66		0.029	2	1
dal_04	w2a_004		546	ARCD	1	3.45	80.16	77.52	72.7		0.061	1	6.5
dal_04	w2a_004		547	ARCD	1	0.91	50.78	49.65	46.97		0.001	0	Unknown
dal_04	w2a_004		548	ARCD	1	35.105	182.96	172.26	159.82	3.243	0.954	2	7
dal_04	w2a_004		549	ARCD	1	32.66	178.07	173.97	161.41		0.927	2	2
dal_04	w2a_004		550	ARCD	1	27.15	161.97	158.11	147.74	1.154	0.761	2	2
dal_04	w2a_004		551	ARCD	1	31.54	176.23	169.16	160.69		0.722	2	2
dal_04	w2a_004		552	ARCD	1	26.61	170.6	162.3	152.13		1.397	1	7
dal_04	w2a_004		553	ARCD	1	24.56	159.39	153.6	145.51		0.724	1	6.5
dal_04	w2a_004		554	ARCD	1	25.27	170.18	162.31	152.01			n/a	
dal_04	w2a_004		555	ARCD	1	24.98	165.37	157.73	149.51			n/a	
dal_04	w2a_004		556	ARCD	1	31.21	168.1	161.78	151.01			n/a	
dal_04	w2a_004		557	ARCD	1	26.77	165.59	157.82	147.74		0.907	2	2
dal_04	w2a_004		558	ARCD	1	22.39	163.46	160.42	146.81			n/a	
dal_04	w2a_004		559	ARCD	1	28.87	161.24	154.52	143.17			n/a	
dal_04	w2a_004		560	ARCD	1	25.35	168.51	161.05	151.62		1.054	1	7
dal_04	w2a_004		561	ARCD	1	23.2	159.41	152.98	142.87			n/a	
dal_04	w2a_004		562	ARCD	1	17.67	140.61	134.97	126.99			n/a	
dal_04	w2a_004		563	ARCD	1	18.84	146.19	141.6	132.24			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_04	w2a_004		564	ARCD	1	21.76	156.78	149.51	141.2		0.653	2	2
dal_04	w2a_004		565	ARCD	1	17.83	144.21	137.33	128.11			n/a	
dal_04	w2a_004		566	ARCD	1	15.89	136.33	129.07	120.39			n/a	
dal_04	w2a_004		567	ARCD	1	9.47	119.61	115.94	109.18		0.269	2	2
dal_04	w2a_004		568	ARCD	1	22.74	155.07	150.15	140.67			n/a	
dal_04	w2a_004		569	ARCD	1	14.9	145.58	140.44	132.51		0.341	2	2
dal_04	w2a_004		570	ARCD	1	15.42	137.3	132.16	124.96		0.367	1	7
dal_04	w2a_004		571	ARCD	1	13.63	132.76	128.38	121.21		0.352	2	2
dal_04	w2a_004		572	ARCD	1	15.27	136.78	131.37	125.71		0.337	1	7
dal_04	w2a_004		573	ARCD	1	15.89	136.37	129.68	122.17		0.481	2	2
dal_04	w2a_004		574	ARCD	1	10.97	123.55	119.46	111.59		0.295	2	2
dal_04	w2a_004		575	ALPR	1	4.203	112.63		97.61		0.011	1	6
dal_04	w2a_004		576	ALPR	1	4.507	112.38		97.74		0.031	1	7
dal_04	w2a_004		577	ALPR	1	3.438	101.23		80.54		0.007	1	6
dal_04	w2a_004		579	ALPR	1	4.629	115.88		100.56			n/a	
dal_05	w2a_005		580	ALPR	1	3.662	104.52		90.63		0.037	1	7
dal_05	w2a_005		581	GLHB	1	775			385		3.266	2	1
dal_05	w2a_005		582	GLHB	1	939	486		427		2.292	1	6
dal_05	w2a_005		583	GLSS	1	18.795	125.73		109.35		0.114	1	6
dal_05	w2a_005		584	GLSS	1	2.125			61.85			n/a	
dal_05	w2a_005		585	LEEP	1	1.581	72.39		68.95			n/a	
dal_05	w2a_005		586	LEEP	1	0.681	56.83		55.8			n/a	
dal_05	w2a_005		587	CAEP	1	0.577	53.77		53.16			0	Unknown
dal_05	w2a_005		588	ADEP	1	0.558	59.62		57.01			0	Unknown
dal_05	w2a_005		589	ADEP	1	0.623	64.51		62.93			0	Unknown
dal_05	w2a_005		590	ADEP	1	0.62	60.55		58.18			0	Unknown
dal_05	w2a_005		591	ADEP	1	0.665	56.07		53.53		0.003	1	6
dal_05	w2a_005		592	ADEP	1	0.591	61.56		58.72			0	Unknown
dal_05	w2a_005		593	ADEP	1	5.312	117.07		114.74			n/a	
dal_05	w2a_005		594	ADEP	1	20.474	176.02		169.04		0.058	2	1
dal_05	w2a_005		595	ADEP	1	22.218	189.82		187.17			n/a	
dal_05	w2a_005		596	ADEP	1	12.188	154.17		147.8			n/a	
dal_05	w2a_005		597	ADEP	1	16.422	173.34		166.51		0.091	2	1
dal_05	w2a_005		598	ADEP	1	1.828	86.37		82.2			n/a	
dal_05	w2a_005		599	ARCD	1	10.75	116.99	113.73	106.42			n/a	
dal_05	w2a_005		600	ARCD	1	3.74	86.8	84.33	78.53		0.032	2	1
dal_05	w2a_005		601	ARCD	1	5.228	90.06	88.11	82.43	0.186	0.078	1	6
dal_05	w2a_005		602	ARCD	1	9.823	117.54	113.79	106.32	0.523	0.251	2	2
dal_05	w2a_005		603	ARCD	1	7.38	104.19	100.69	95.39			n/a	
dal_05	w2a_005		604	ARCD	1	7.91	104.6	100.87	95.11			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_05	w2a_005		605	ARCD	1	3.032	76.617	74.74	68.75		0.04	1	6
dal_05	w2a_005		606	ARCD	1	11.61	124.79	118.95	111.84	0.759	0.252	1	7
dal_05	w2a_005		607	ARCD	1	7.65	109.45	106.52	98.79			n/a	
dal_05	w2a_005		608	ARCD	1	9.582	113.7	110.79	102.88	0.347	0.256	1	7
dal_05	w2a_005		609	ARCD	1	36.2	193	182.72	170.91		1.034	2	2
dal_05	w2a_005		610	ARCD	1	19.66	145.69	138.37	129.44		0.457	2	2
dal_05	w2a_005		611	ARCD	1	9.74	120.58	117.14	109.96			n/a	
dal_05	w2a_005		612	ARCD	1	5.57	94.17	90.95	85.33			n/a	
dal_05	w2a_005		613	ARCD	1	15.96	135.66	132.01	122.01			n/a	
dal_05	w2a_005		614	ARCD	1	10.44	116.68	112.75	105.5			n/a	
dal_05	w2a_005		615	ARCD	1	6.77	105.82	102.69	95.1			n/a	
dal_05	w2a_005		616	ARCD	1	6.4	99.1	95.7	89.88			n/a	
dal_05	w2a_005		617	ARCD	1	4.83	90.86	88.53	83.33			n/a	
dal_05	w2a_005		618	ARCD	1	49.3	215	198.71	191.7		1.338	2	2
dal_05	w2a_005		619	ARCD	1	13.17	139.71	134.38	125.42			n/a	
dal_05	w2a_005		620	ARCD	1	16.07	140.95	135.18	127.05		0.462	1	7
dal_05	w2a_005		621	ARCD	1	17.847	135.69	132.66	124.5	0.932	0.684	1	7
dal_05	w2a_005		622	ARCD	1	11.21	123.06	119.19	112.7		0.276	2	2
dal_05	w2a_005		623	ARCD	1	7.192	103.88	99.96	93.3		0.21	1	7
dal_05	w2a_005		624	ARCD	1	5.28	95.1	92.45	85.15			n/a	
dal_05	w2a_005		625	ARCD	1	5.06	93.25	90.08	84.46			n/a	
dal_05	w2a_005		626	ARCD	1	5.55	112.84	110.51	103.93			n/a	
dal_05	w2a_005		627	ARCD	1	4.97	94.61	92.8	87.94			n/a	
dal_05	w2a_005		628	ARCD	1	5.6	95.61	92.36	87.32			n/a	
dal_05	w2a_005		629	ARCD	1	4.4	92.14	88.87	84.4			n/a	
dal_05	w2a_005		630	ARCD	1	3.96	87.33	84.68	79.85		0.102	1	6
dal_05	w2a_005		631	ARCD	1	4.92	93.57	90.19	85.02			n/a	
dal_05	w2a_005		632	ARCD	1	4.68	88.98	86.38	81.26		0.054	2	1
dal_05	w2a_005		633	ARCD	1	8.96	109.85	106.78	99.94			n/a	
dal_05	w2a_005		634	ARCD	1	6.97	101.61	97.91	93.52			n/a	
dal_05	w2a_005		635	ARCD	1	5.22	94.05	91.41	86.19			n/a	
dal_05	w2a_005		636	ARCD	1	6.6		94.77	89.33		0.208	1	6.5
dal_05	w2a_005		637	ARCD	1	3.08	79.28	77.75	73.85		0.041	1	6
dal_05	w2a_005		638	ARCD	1	2.66	69.93	67.89	65.29		0.03	1	6
dal_05	w2a_005		639	ARCD	1	2.58	73.87	71.37	66.31			n/a	
dal_05	w2a_005		640	ARCD	1	3.2	77.92	75.19	70.75			n/a	
dal_05	w2a_005		641	ARCD	1	3.69	84.36	81.51	77.37		0.036	1	6
dal_05	w2a_005		642	ARCD	1	6.06	93.51	91.36	85.55			n/a	
dal_05	w2a_005		643	ARCD	1	4.73	91.18	89.85	82.89			n/a	
dal_05	w2a_005		644	ARCD	1	13.47	133.5	128.98	120.67		0.323	2	2

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_05	w2a_005		645	ARCD	1	21.35	144.05	138.31	129.7		0.388	1	7
dal_05	w2a_005		646	ARCD	1	19.57	148.8	142.56	134.5		0.555	1	7
dal_05	w2a_005		647	ARCD	1	8.43	113.51	109.88	102.66			n/a	
dal_05	w2a_005		648	ARCD	1	10.44	120.38	117.12	110.24		0.243	2	2
dal_05	w2a_005		649	ARCD	1	11.04	115.03	112.04	105.05			n/a	
dal_05	w2a_005		650	ARCD	1	7.55	103.25	99.23	93.07			n/a	
dal_05	w2a_005		651	ARCD	1	6.59	102.03	98.73	91.81			n/a	
dal_05	w2a_005		652	ARCD	1	7.631	104.77	100.61	93.86	0.259	0.223	2	2
dal_05	w2a_005		653	ARCD	1	5.72	95.77	93.51	87.72			n/a	
dal_05	w2a_005		654	ARCD	1	5.99	96.85	93.97	88.78			n/a	
dal_05	w2a_005		655	ARCD	1	3.64	81.1	79.38	74.61		0.074	2	1
dal_05	w2a_005		656	ARCD	1							n/a	
dal_05	w2a_005		657	ARCD	1	4.72	91.76	87.93	83.92			n/a	
dal_05	w2a_005		658	ARCD	1	5.74	96.46	93.45	88.97		0.088	1	6
dal_05	w2a_005		659	ARCD	1	4.05	90.08	87.13	82.71			n/a	
dal_05	w2a_005		660	ARCD	1	4.408	88.15	84.51	82.12	0.181	0.073	1	7
dal_05	w2a_005		661	ARCD	1	7.63	108.63	103.97	98.74		0.234	1	6
dal_05	w2a_005		662	ARCD	1	3.42	85.52	84.16	78.47		0.02	1	7
dal_05	w2a_005		663	ARCD	1	4.01	89.19	87.08	81.35			n/a	
dal_05	w2a_005		664	ARCD	1	6.519	102.23	99.18	93.04	0.19	0.094	1	7
dal_05	w2a_005		665	ARCD	1	3.53	81.38	78.79	74.07		0.035	1	6
dal_05	w2a_005		666	ARCD	1	5.24	92.79	89.96	86.2		0.052	1	6
dal_05	w2a_005		667	ARCD	1	3.6	82.37	80.05	74.95	0.142	0.01	2	1
dal_05	w2a_005		668	ARCD	1	5.239	92.91	89.7	83.72		0.027	2	1
dal_05	w2a_005		669	ARCD	1	6.07	99.75	95.82	90.84			n/a	
dal_05	w2a_005		670	ARCD	1	3.13	81.26	77.54	73.92			n/a	
dal_05	w2a_005		671	ARCD	1	2.533	78.98	77.34	71.21			0	Unknown
dal_05	w2a_005		672	ARCD	1	2.52	72.99	71.22	66.34			n/a	
dal_05	w2a_005		673	ARCD	1	3	75.93	74.11	70.08			n/a	
dal_05	w2a_005		674	ARCD	1	3.74	80.38	78.18	73.01			n/a	
dal_05	w2a_005		675	ARCD	1	4.19	85.28	82.68	77.73		0.074	1	6
dal_05	w2a_005		676	ARCD	1	3.97	81.65	80.97	74.94			n/a	
dal_05	w2a_005		677	ARCD	1	3.21	80.28	77.42	72.79			n/a	
dal_05	w2a_005		678	ARCD	1	2.683	76.77	74.34	70.79	0.092	0.037	2	1
dal_05	bbt_003		679	SPSC	1	2.45	65.67		56.02		0.03	2	1
dal_04	bbt_004		680	BRFL	1	483	368		317		30.587	2	2
dal_04	bbt_004		681	KPSF	1	158.247	223.31		186.96		3.506	1	7
dal_04	bbt_004		682	LEEP	1	11.482	128.42		125.02		0.001	1	6
dal_04	bbt_004		683	ALPR	1	9.828	144.02		127.77			n/a	
dal_04	bbt_004		684	ALPR	1	4.543	109.09		96.35		0.019	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_04	bbt_004		685	ALPR	1	3.662	106.14		92.95		0.111	1	6
dal_04	bbt_004		686	SKSC	1	12.964	96.56		73.76			0	Unknown
dal_04	bbt_004		687	RBSC	1	10.423	109.04		96.13		0.461	2	2
dal_04	bbt_004		688	ARCD	1	18.175	139.14	131.74	124.97	0.814	0.499	2	2
dal_04	bbt_004		689	ARCD	1	12.13	128.03	123	115.26			n/a	
dal_04	bbt_004		690	ARCD	1	11.04	120.91	118.37	108.32			n/a	
dal_04	bbt_004		691	ARCD	1	11.46	120.43	115.73	111.18			n/a	
dal_04	bbt_004		692	ARCD	1	10.48	116.07	111.25	102.36			n/a	
dal_04	bbt_004		693	ARCD	1	2.14	154.46	150.03	140.72			n/a	
dal_04	bbt_004		694	ARCD	1	13.999	129.83	124.22	116.09	0.675	0.521	1	7
dal_04	bbt_004		695	ARCD	1	15.03	139.65	134.64	126			n/a	
dal_04	bbt_004		696	ARCD	1	62.162	203.85	195.38	183.43	4.666	1.477	2	2
dal_04	bbt_004		697	ARCD	1	23.31	160.77	153.16	142.58			n/a	
dal_04	bbt_004		698	ARCD	1	29.97	163.54	156.59	146.37			n/a	
dal_04	bbt_004		699	ARCD	1	20.38	148.79	143.63	135.53		0.333	2	1
dal_04	bbt_004		700	ARCD	1	17.31	136.6	132.01	122.03			n/a	
dal_04	bbt_004		701	ARCD	1	23.2	158.03	151.51	143.29		1.219	1	7
dal_04	bbt_004		702	ARCD	1	22.36	162.08	153.79	144		0.56	2	2
dal_04	bbt_004		703	ARCD	1	19.49	148.13	144.18	134.55		0.493	2	2
dal_04	bbt_004		704	ARCD	1	24.15	149.41	144.18	135.65			n/a	
dal_04	bbt_004		705	ARCD	1	14.57	130.76	129.2	120.55			n/a	
dal_04	bbt_004		706	ARCD	1	9.03	111.79	106.92	100.43		0.049	1	7
dal_04	bbt_004		707	ARCD	1	14.64	130.81	127.29	120		0.437	1	7
dal_04	bbt_004		708	ARCD	1	11.2	116.21	112.61	106.54		0.454	1	7
dal_04	bbt_004		709	ARCD	1	14.5	135.48	129.11	121.98			n/a	
dal_04	bbt_004		710	ARCD	1	32.83	172.23	167.5	155.34			n/a	
dal_04	bbt_004		711	ARCD	1	5.3	91.09	88.58	83.31		0.161	1	7
dal_04	bbt_004		712	ARCD	1	8.41	110.73	106.62	99.2			n/a	
dal_04	bbt_004		713	ARCD	1	14.12	132	127.9	121.09		0.387	2	2
dal_04	bbt_004		714	ARCD	1	10.97	123.61	120.25	111.72			n/a	
dal_04	bbt_004		715	ARCD	1	8.64	117.47	113.78	106.55		0.173	2	1
dal_04	bbt_004		716	ARCD	1	7.19	105.8	102.28	98.78			n/a	
dal_05	w2a_005		717	GLHB	1	724	444		397		2.406	2	1
dal_06	w2a_006		718	GLHB	1	684			394			n/a	
dal_06	w2a_006		719	GLHB	1	1241	534		468		21.187	1	7
dal_06	w2a_006		720	GLHB	1	561	424		378		0.985	1	6
dal_06	w2a_006		721	GLHB	1	872	465		404		3.029	1	6
dal_06	w2a_006		722	GLLF	1	31.426			136.62			n/a	
dal_06	w2a_006		723	GLSS	1	30.326			127.63			n/a	
dal_06	w2a_006		724	ADEP	1	14.474	193.63		185.96		0.021	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_06	w2a_006		725	ADEP	1	6.467	124.37		119.95		0.001	1	6
dal_06	w2a_006		726	ADEP	1	9.171	140.3		135.93		0.006	1	6
dal_06	w2a_006		727	ADEP	1	9.827	146.92		144.03		0.01	1	6
dal_06	w2a_006		728	ADEP	1	21.152	174.47		171.3		0.057	1	6
dal_06	w2a_006		729	ADEP	1	19.126	178.88		172.91		0.09	2	1
dal_06	w2a_006		730	ADEP	1	16.651	166.06		163.33		0.008	1	6
dal_06	w2a_006		731	ADEP	1	16.287	170.95		167.84		0.001	1	6
dal_06	w2a_006		732	ADEP	1	1.074	74.95		72.09		0.001	1	6
dal_06	w2a_006		733	LEEP	1	0.805	60.3		58.4			0	Unknown
dal_06	w2a_006		734	ADEP	1	0.375	53.12		51.13			0	Unknown
dal_06	w2a_006		735	ADEP	1	0.308	55.05		53.27			0	Unknown
dal_06	w2a_006		736	ARCD	1	29.42	161.55	155.54	146.72		0.536	1	7
dal_06	w2a_006		737	ARCD	1	33.333	171.44	162.39	155.41	2.647	1.2	1	7
dal_06	w2a_006		738	ARCD	1	30.718	172.77	163.73	152.52		1.097	1	7
dal_06	w2a_006		739	ARCD	1	26.426	157.97	150.17	140.97		1.168	1	7
dal_06	w2a_006		740	ARCD	1	15.755	142.57	136.58	126.4		0.36	2	1
dal_06	w2a_006		741	ARCD	1	17.808	143.36	137.93	127.6		0.555	1	7
dal_06	w2a_006		742	ARCD	1	32.479	167.72	159.88	150.55		0.869	2	2
dal_06	w2a_006		743	ARCD	1	23.714	156.48	150.17	140.49		0.772	2	2
dal_06	w2a_006		744	ARCD	1	18.823	144.17	138.65	128.16		0.9	1	7
dal_06	w2a_006		745	ARCD	1	21.576	156.26	149.54	139.26		0.456	2	1.5
dal_06	w2a_006		746	ARCD	1	12.101	126.29	121.47	114.03		0.38	1	7
dal_06	w2a_006		747	ARCD	1	12.903	114.84	110.29	103.81	0.721	0.215	1	7
dal_06	w2a_006		748	ARCD	1	16.942	138.77	131.61	126.2	0.728	0.655	1	7
dal_06	w2a_006		749	ARCD	1	25.582	150.17	146.4	139.04	2.256	0.621	2	2
dal_06	w2a_006		750	ARCD	1	15.008	128.42	122.81	117.47	1.511	0.551	1	7
dal_06	w2a_006		751	ARCD	1	13.292	123.15	119.48	112.46		0.183	2	1
dal_06	w2a_006		752	ARCD	1	7.185	104.62	102.08	96.53		0.091	1	7
dal_06	w2a_006		753	ARCD	1	12.371	124.5	120.11	115.67	0.468	0.357	2	2
dal_06	w2a_006		754	ARCD	1	8.28	111.77	109.16	103.35		0.204	2	2
dal_06	w2a_006		755	ARCD	1	13.41	127.4	123.26	116.29		0.36	2	2
dal_06	w2a_006		756	ARCD	1	5.97	98.24	93.74	89.94		0.106	1	6.5
dal_06	w2a_006		757	ARCD	1	8.116	107.89	103.02	98.37	0.4	0.076	1	7
dal_06	w2a_006		758	ARCD	1	7.118	100.25	94.93	89.3	0.238	0.14	2	1
dal_06	w2a_006		759	ARCD	1	3.51	82.25	78.83	75.31		0.041	2	1
dal_06	w2a_006		760	ARCD	1			58.53				n/a	
dal_06	w2a_006		761	ARCD	1	3.319	81.43	79.73	74.82	0.149		0	Unknown
dal_06	w2a_006		762	ARCD	1	4.031	85.22	82.34	77.48	0.164	0.067	1	6
dal_06	w2a_006		763	ARCD	1	2.346	74.05	72.3	67.31		0.012	2	1
dal_07	w2a_007a		764	GLHB	1	671	436		388		2.833	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_07	w2a_007a		765	GLHB	1	1571	557		491		5.167	1	6
dal_07	w2a_007a		766	GLHB	1	1231	539		466		5.666	2	1
dal_07	w2a_007a		767	GLHB	1	1685	552		497		6.549	1	6
dal_07	w2a_007a		768	GLHB	1	969	491		426		3.967	2	1
dal_07	w2a_007a		769	GLHB	1	1437	534		461		4.385	1	6
dal_07	w2a_007a		770	GLHB	1	1325	521		452		4.884	2	1
dal_07	w2a_007a		771	GLHB	1	1344	534		476		5.396	2	1
dal_07	w2a_007a		772	GLHB	1	891	478		415		3.182	1	6
dal_07	w2a_007a		773	ARCD	1	22.12	144.26	139.09	131.24	2.306	0.348	1	6
dal_07	w2a_007a		774	ARCD	1	1.192	58		54.63	0.04		0	Unknown
dal_07	w2a_007a		775	ADEP	1	30.841	200.77		192.71		0.151	2	1
dal_07	w2a_007a		776	ADEP	1	15.469	172.74		169.33		0.014	1	6
dal_07	w2a_007a		777	ADEP	1	11.87	167.71		159.9		0.055	1	6
dal_07	w2a_007a		778	ADEP	1	12.679	154.7		150.47		0.042	2	1
dal_07	w2a_007a		779	ADEP	1	16.501	177.03		165.47		0.088	2	1
dal_07	w2a_007a		780	ADEP	1	13.061	157.07		151.83		0.001	1	6
dal_07	w2a_007a		781	ADEP	1	13.957	164.58		161.57		0.058	2	2
dal_07	w2a_007a		782	ADEP	1	8.048	139.33		134.29		0.009	1	6
dal_07	w2a_007a		783	ADEP	1	6.934	131.56		128.68		0.007	2	1
dal_07	w2a_007a		784	ADEP	1	5.209	118.5		114.53		0.005	1	6
dal_07	w2a_007a		785	ADEP	1	5.951					0.003	2	1
dal_07	w2a_007a		786	ADEP	1	2.989	109.45		105.84		0.001	0	Unknown
dal_07	w2a_007a		787	ADEP	1	3.141	108.77		103.98		0.001	2	1
dal_07	w2a_007a		788	ADEP	1	2.136	91.48		89		0.001	1	6
dal_07	w2a_007a		789	ADEP	1	2.676	100.51		96.74			0	Unknown
dal_07	w2a_007a		790	ADEP	1	1.423	87.14		84.9			0	Unknown
dal_07	w2a_007a		791	ADEP	1	1.833	88.43		84.9		0.001	2	1
dal_07	w2a_007a		792	ADEP	1	1.037	77.56		76.36		0.001	1	6
dal_07	w2a_007a		793	ADEP	1	0.731	70.93		67.78			0	Unknown
dal_07	w2a_007a		794	ADEP	1	0.941	76.88		74.9		0.001	2	1
dal_07	w2a_007a		795	ADEP	1	0.789	73.62		69.83		0.001	0	Unknown
dal_07	w2a_007a		796	ADEP	1	0.245	50.41		48.45			0	Unknown
dal_07	w2a_007a		797	ADEP	1	0.444	62.15		59.81			0	Unknown
dal_07	w2a_007a		798	BLSC	1	33.264	120.15		92.57			n/a	
dal_07	w2a_007a		799	PLSC	1	46.077	129.87		102.7			n/a	
dal_07	w2a_007a		800	KPSF	1	46.434	167.23		145.7		0.91	2	2
dal_07	w2a_007a		801	UNLIPA	1	25.396						n/a	
dal_07	w2a_007b		802	GLHB	1	1434	543		475		5.313	2	1
dal_07	w2a_007b		803	GLHB	1	657	430		374		2.152	2	1
dal_07	w2a_007b		804	GLHB	1	1369	533		465		4.783	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_07	w2a_007b		805	GLHB	1	1313	540		473		25.51	1	7
dal_07	w2a_007b		806	GLHB	1	1254	524		463		4.519	2	1
dal_07	w2a_007b		807	GLHB	1	1589	585		510		5.079	2	1
dal_07	w2a_007b		808	GLHB	1	907	469		406		3.953	2	1
dal_07	w2a_007b		809	GLHB	1	498	409		356		1.741	2	1
dal_07	w2a_007b		810	GLHB	1	629	432		370		2.178	2	1
dal_07	w2a_007b		811	GLHB	1	4597	753		653		473	2	2
dal_07	w2a_007b		812	ARSK	1	817	454			112	5.934	2	skate 1
dal_07	w2a_007b		813	ARSK	1	2682	687			347	49	1	skate 3
dal_07	w2a_007b		814	ARSK	1	588	416			44	3.712	1	skate 1
dal_07	w2a_007b		815	BLSC	1	118.584	181.75					n/a	
dal_07	w2a_007b		816	GLSS	1	47.458			140.01			0	Unknown
dal_07	w2a_007b		817	ARCD	1	86.541	224.83	208.92	202.83	10.743	2.193	2	2
dal_07	w2a_007b		818	ARCD	1	27.377	154	152.19	144.07	2.591	0.571	2	2
dal_07	w2a_007b		819	ARCD	1	20.383	140.22	138.21	130.83	1.76	0.609	2	2
dal_07	w2a_007b		820	ARCD	1	15.791	136.2	130.83	122.66	0.598	0.471	2	2
dal_07	w2a_007b		821	ARCD	1	5.627	93.71	90.76	86.23	0.248	0.058	1	6
dal_07	w2a_007b		822	ARCD	1	3.509	77.5	73.23	70.21	0.074	0.037	1	6
dal_07	w2a_007b		823	ARCD	1	3.771	81.35	78.44	73.7	0.13	0.073	1	6
dal_07	w2a_007b		824	ADEP	1	22.687	173.38		167.48		0.064	2	1
dal_07	w2a_007b		825	ADEP	1	13.119	167.16		161.52		0.105	2	2
dal_07	w2a_007b		826	ADEP	1	18.719	176.95		168.99		0.011	1	6
dal_07	w2a_007b		827	ADEP	1	20.939					0.048	2	1
dal_07	w2a_007b		828	ADEP	1	14.42	152.99		150		0.001	0	Unknown
dal_07	w2a_007b		829	ADEP	1	8.12	137.27		131.86		0.023	2	1
dal_07	w2a_007b		830	ADEP	1	3.685	112.94		109.68		0.001	0	Unknown
dal_07	w2a_007b		831	ADEP	1	4.192	111.52		107.26		0.001	2	1
dal_07	w2a_007b		832	ADEP	1	5.231	116.92		113.54		0.006	2	1
dal_07	w2a_007b		833	ADEP	1	1.346	77.07		74.07		0.001	2	1
dal_07	w2a_007b		834	ADEP	1	1.432	77.8		74.59		0.001	0	Unknown
dal_07	w2a_007b		835	ADEP	1	1.795	86.44		83.65		0.001	2	1
dal_07	w2a_007b		836	ADEP	1	0.943	67.22		64.47			n/a	
dal_07	w2a_007b		837	ADEP	1	0.524	59.89		56.99			n/a	
dal_07	w2a_007b		838	ADEP	1	0.588	61.64		59.13			0	Unknown
dal_07	w2a_007b		839	ADEP	1	0.744	62.29		58.91			n/a	
dal_07	w2a_007b		840	ADEP	1	0.323	50.45		48.75			0	Unknown
dal_07	w2a_007b		841	ADEP	1	0.424	56.98		54.83			0	Unknown
dal_hc1	mwt_001	842	842	ARCD	6							n/a	
dal_hc2	mwt_002	843	843	ARCD	4							n/a	
dal_hc2	mwt_002		844	ARCD	1	2.68	75.58	73.11	66.92			n/a	

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dal_hc2	mwt_002		845	ARCD	1	1.68	67.21	65.22	62.08		0.01	2	1
dal_hc2	mwt_002		846	ARCD	1	2.87	82.15	80.46	76.08			n/a	
dal_hc2	mwt_002		847	ARCD	1	3.63	85.07	83.08	78.14		0.028	2	1
dal_hc2	mwt_002		848	ARCD	1	3.41	78.68	77.44	72.55		0.017	2	1
dal_hc2	mwt_002		849	ARCD	1	3.2	82.71	81.27	76.26			n/a	
dal_hc2	mwt_002		850	ARCD	1	3.11	84.49	80.51	78.65			n/a	
dal_hc2	mwt_002		851	ARCD	1	2.81	74.57	73.45	68.86		0.037	2	2
dal_hc2	mwt_002		852	ARCD	1	1.82	71.18	69.26	65.48			n/a	
dal_hc2	mwt_002		853	ARCD	1	1.71	70.28	67.75	64.65			n/a	
dal_hc2	mwt_002		854	GLLF	1	2.771			62.49			n/a	
dal_hc3	mwt_003	855	855	ARCD	569							n/a	
dal_hc3	mwt_003	856	856	UNLIPA	10								
dal_hc4	w2a_008		857	ARSS	1	17.691	106.73		90.87		1.911	2	3
dal_hc4	w2a_008		858	ARSS	1	21.682	110.54		93.97		2.621	0	Unknown
dal_hc4	w2a_008		859	ARSS	1	14.967	102.08		88.01		1.663	2	2
dal_hc4	w2a_008		860	ARSS	1	12.802	99.59		82.41		1.515	2	2
dal_hc4	w2a_008		861	ARSS	1	2.003	59.41		49.93			0	Unknown
dal_hc4	w2a_008		862	ARSS	1	3.829	70.15		59.04		0.273	1	7
dal_hc4	w2a_008		863	ARSS	1	2.941	60.3		50.86		0.015	2	1
dal_hc4	w2a_008		864	ARSS	1	0.443	37.24		31.33			0	Unknown
dal_hc4	w2a_008		865	ARSS	1	0.441	37.77		31.39			0	Unknown
dal_hc4	w2a_008		866	ARSS	1	0.455	37.43		31.16			0	Unknown
dal_hc4	w2a_008		867	ARSS	1	0.364	33.91		28.71			0	Unknown
dal_hc4	w2a_008		868	ARSS	1	31.54	128.64		109.26			0	Unknown
dal_hc4	w2a_008		869	RBSC	1	2.279	70.05		63.45		0.009	0	Unknown
dal_hc4	w2a_008		870	ARSS	1	20.477	114.76		95.88		1.557	2	2
dal_hc4	w2a_008		871	CAEP	1	6.874	114.41		111.31		0.061	2	1
dal_hc4	w2a_008		872	CAEP	1	7.136	115.94		114.14		0.02	2	1
dal_hc4	w2a_008		873	AREP	1	3.114	87.09		84.25			n/a	
dal_hc4	w2a_008		874	CAEP	1	3.031	91.11		88.33		0.005	2	1
dal_hc4	w2a_008		875	CAEP	1	9.912	128.35		125.79		0.015	1	7
dal_hc4	w2a_008		876	CAEP	1	11.866	135.64		131.88		0.114	2	1
dal_hc4	w2a_008		877	CAEP	1	17.28	148.74		145.18		2.277	2	2
dal_hc4	w2a_008		878	PAEP	1	12.222	143.28		139.87		0.056	1	7
dal_hc4	w2a_008		879	CAEP	1	18.672	149.11		146.29		1.681	2	2
dal_hc4	w2a_008		880	CAEP	1	13.544	144.17		140.78		0.031	1	6
dal_hc4	w2a_008		881	CAEP	1	34.634	191.58		185.75			n/a	
dal_hc4	w2a_008		882	CAEP	1	34.582	186.4		182.72		0.491	1	7
dal_hc4	w2a_008		883	CAEP	1	19.002	157.41		153.36			n/a	
dal_hc4	w2a_008		884	PAEP	1	11.012	137.64		134.65		0.015	1	6

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dal_hc4	w2a_008		885	PAEP	1	8.82	130.12		126.15		0.069	2	2
dal_hc4	w2a_008		886	STEB	1	1.844	85.7		75.25			n/a	
dal_hc4	w2a_008		887	ARCD	1	2.95	74.14	72.33	68.53		0.048	2	1
dal_hc4	w2a_008		888	ARCD	1	3.41	82.23	79.88	74.34			n/a	
dal_hc4	w2a_008		889	ARCD	1	7.665	106.2	103.92	97.76		0.298	1	7
dal_hc4	w2a_008		890	ARCD	1	2.98	82.02	79.77	74.35			n/a	
dal_hc4	w2a_008		891	ARCD	1	3.82	85.42	83.26	79.94		0.071	1	6
dal_hc4	w2a_008		892	ARCD	1	3.37	82.39	80.28	76.84			0	Unknown
dal_hc4	w2a_008		893	ARCD	1	4.84	95.13	91.84	86.18			n/a	
dal_hc4	w2a_008		894	ARCD	1	5.17	87.52	85.45	80.73		0.057	2	1
dal_hc4	w2a_008		895	ARCD	1	6.31	96.61	94.21	89.33		0.051	1	6
dal_hc4	w2a_008		896	ARCD	1	4.89	86.33	83.3	78.45			n/a	
dal_hc4	w2a_008		897	ARCD	1	5.73	95.29	91.35	86.29		0.032	2	1
dal_hc4	w2a_008		898	ARCD	1	3.8	82.94	80.9	75.51			n/a	
dal_hc4	w2a_008		899	ARCD	1	3.55	80.52	77.99	74.87			n/a	
dal_hc4	w2a_008		900	ARCD	1	4.44	96.5	93.39	86.9			n/a	
dal_hc4	w2a_008		901	ARCD	1	3.88	89.78	87.65	81.43			n/a	
dal_hc4	w2a_008		902	ARCD	1	8.079	106.63	103.96	97.54		0.239	1	7
dal_hc4	w2a_008		903	ARCD	1	28.919	159.7	154.98	145.88		0.914	1	7
dal_hc4	w2a_008	904	904	ARCD	9							n/a	
kug_01	bbt_005_006	905	905	UNSTIC	4								
kug_01	bbt_005_006		906	UNCOTT	1							0	Unknown
kug_01	bbt_005_006	907	907	UNCOTT	5								
kug_01	bbt_005_006	908	908	UNCOTT	5								
kug_01	bbt_005_006	909	909	UNZOAR	4								
kug_01	bbt_005_006	910	910	UNLIPA	14								
kug_01	bbt_005_006		912	ARCD	1	2.53	73.48	70.87	67.33		0.017	1	6
kug_01	bbt_005_006		913	ARCD	1	1.81						n/a	
kug_01	bbt_005_006		914	ARCD	1	3.13	75.62	72.4	69.1		0.037	1	6
kug_01	bbt_005_006		915	ARCD	1	2.05						n/a	
kug_01	bbt_005_006		916	ARCD	1	2.054					0.01	1	6
kug_01	w2a_009		917	ARSS	1	17.495	125.41		108.84		0.732	2	2
kug_01	w2a_009		918	ARSS	1	35.061	132.3		111.94		5.4	2	2
kug_01	w2a_009		919	ARSS	1	13.627	98.92		84.12			0	Unknown
kug_01	w2a_009		920	ARSS	1	11.283	106.02		91.58		1.069	2	2
kug_01	w2a_009		921	ARSS	1	2.289	62.43		52.2		0.01	2	1
kug_01	w2a_009		922	ARSS	1	1.135	50.52		42.79		0.002	0	Unknown
kug_01	w2a_009		923	ARCD	1	4.93	87.17	84.36	79.86		0.013	1	6
kug_01	w2a_009		924	CAEP	1	4.862	108.12		105.57		0.001	1	6
kug_01	w2a_009		925	CAEP	1	4.857	111.23		108.56		0.009	1	6

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kug_01	w2a_009		926	CAEP	1	10.178	142.94		140.12		0.082	2	1
kug_01	w2a_009		927	CAEP	1	16.652	142.67		139.14		1.44	2	2
kug_01b	w2a_010		928	ARCD	1	15.423	132.03	128.5	121.28		0.721	1	7
kug_01b	w2a_010		929	ARCD	1	10.119	111.04	107.74	102.53		0.188	2	1
kug_01b	w2a_010		930	ARCD	1	9.506	108.17	105.66	98.94		0.473	1	7
kug_01b	w2a_010		931	ARCD	1	7.773	106.16	103	97.17		0.312	1	7
kug_01b	w2a_010		932	ARCD	1	8.147	108.12	104.54	99.07		0.357	1	7
kug_01b	w2a_010		933	ARCD	1	4.38	85.1	83.1	77.11			n/a	
kug_01b	w2a_010		934	ARCD	1	4.267	83.83		77.59	0.248	0.05	2	1
kug_01b	w2a_010		935	ARCD	1	3.3	76.38	74.07	70.19			n/a	
kug_01b	w2a_010		936	ARCD	1	2.28	70.65	68.7	64.91		0.046	1	7
kug_01b	w2a_010		937	ARCD	1	2.68	74.1	71.88	68.16			n/a	
kug_01b	w2a_010		938	ARCD	1	2.7	73.46	71.31	67.74			n/a	
kug_01b	w2a_010		939	ARCD	1	5.32	92.1	87.89	82.42			n/a	
kug_01b	w2a_010		940	ARCD	1	2.69	74.88	72.66	68.17			n/a	
kug_01b	w2a_010		941	ARCD	1	2.207	70.99	68.35	65.61	0.104	0.024	1	6
kug_01b	w2a_010		942	ARCD	1	2.784	72.67	70.54	67.53		0.026	1	6
kug_01b	w2a_010		943	ARCD	1	3.14	79.57	77.95	72.71			n/a	
kug_01b	w2a_010		944	ARCD	1	3.91	82.23	80.41	75.32		0.151	1	7
kug_01b	w2a_010		945	ARCD	1	2.56	74.41	72.64	68.04			n/a	
kug_01b	w2a_010		946	ARCD	1	2.62	72.96	70.45	66.39			n/a	
kug_01b	w2a_010		947	ARCD	1	5.21	92.72	89.83	84.36		0.067	2	1
kug_01b	w2a_010		948	ARCD	1	5.49	89.37	88.2	83.36			n/a	
kug_01b	w2a_010		949	ARCD	1	6.04	94.23	91.17	85.69			n/a	
kug_01b	w2a_010		950	ARCD	1	0.263	39.4	37.64	36.59			0	Unknown
kug_01b	w2a_010		951	ARCD	1	0.62	47.45	45.99	43.69			n/a	
kug_01b	w2a_010		952	ARCD	1	0.56	47	46.26	44.03			n/a	
kug_01b	w2a_010		953	ARCD	1	0.36	40.37	38.62	36.34			0	Unknown
kug_01b	w2a_010		954	ARCD	1	0.46	45.7	43.92	41.45			0	0
kug_01b	w2a_010		955	ARCD	1	0.14						0	Unknown
kug_01b	w2a_010		956	ARCD	1	0.7	49.81	48.8	45.85			n/a	
kug_01b	w2a_010		957	ARCD	1	1.06	60.85	58.87	55.23			0	Unknown
kug_01b	w2a_010		958	ARCD	1	0.51	46.52	45.3	42.38			n/a	
kug_01b	w2a_010		959	ARCD	1	1.105	51.11	48.29	45.45			0	Unknown
kug_01b	w2a_010		960	ARCD	1	0.63	46.9	45.66	43.66			n/a	
kug_01b	w2a_010		961	ARCD	1	0.27			37.65			n/a	
kug_01b	w2a_010		962	ARCD	1	0.81	49.46	48.13	46.58		0.009	1	6
kug_01b	w2a_010		963	ARCD	1	0.56	46.88	45.42	42.87			n/a	
kug_01b	w2a_010		964	ARCD	1	0.23						0	Unknown
kug_01b	w2a_010		965	ARCD	1	0.44			40.07			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_01b	w2a_010		966	ARCD	1	0.201	37.68		33.52			0	Unknown
kug_01b	w2a_010		967	ARCD	1	0.547	45.98	43.46	41.22			0	Unknown
kug_01b	w2a_010		968	ARCD	1	0.763	49.84	46.23	44.13	0.031		0	Unknown
kug_01b	w2a_010		969	ARCD	1	2.13	71.54	69.53	64.69			n/a	
kug_01b	w2a_010		970	ARCD	1	2.51	75.13	72.63	68.34			n/a	
kug_01b	w2a_010		971	ARCD	1	3.48	79.02	75.55	71.65			n/a	
kug_01b	w2a_010		972	ARCD	1	2.886	74.15	70.94	67.77	0.193	0.033	1	6
kug_01b	w2a_010		973	ARCD	1	3.31	80.72	78.27	73.45			n/a	
kug_01b	w2a_010		974	ARCD	1	4.81	91.36	88.09	82.69			n/a	
kug_01b	w2a_010		975	ARCD	1	5.417	89.9	88.43	82.65	0.246	0.152	1	7
kug_01b	w2a_010		976	ARCD	1	5.842	89.2	85.51	82.15	0.328	0.055	1	6
kug_01b	w2a_010		977	ARCD	1	4.65	90.12	88.01	82.36			n/a	
kug_01b	w2a_010		978	ARCD	1	5.37	84.22	81.84	76.9		0.02	1	6
kug_01b	w2a_010		979	PAEP	1	13.929	144.08		140.87		0.098	2	1
kug_01b	w2a_010		980	CAEP	1	0.99	59.61		56.96			0	Unknown
kug_01b	w2a_010		981	UNLISP	1	0.294	33.24		30.24			0	Unknown
kug_01b	w2a_010		982	ARAF	1	0.216						0	Unknown
kug_01b	w2a_010		983	ARAF	1	0.389	41.6		37.55			0	Unknown
kug_01b	w2a_010		984	ARAF	1	0.302	40.3		34.12			0	Unknown
kug_01b	w2a_010		985	ARAF	1	0.202	37.83		32.72			0	Unknown
kug_01b	w2a_010		986	ARAF	1	0.71	49.94		44.13		0.015	1	7
kug_01b	w2a_010		987	ARAF	1	0.475	45.2		39.22		0.001	0	Unknown
kug_01b	w2a_010		988	ARAF	1	0.322	42.73		36.68			0	Unknown
kug_01b	w2a_010		989	ARAF	1	0.209	37.33		32.39			0	Unknown
kug_01b	w2a_010		990	SPSC	1	2.065	54.79		46.29		0.036	1	7
kug_01b	w2a_010		991	SPSC	1	1.654	56.38		47.44			0	Unknown
kug_01b	w2a_010		992	SPSC	1	1.327	51.37		42.62		0.018	2	1
kug_01b	w2a_010		993	SPSC	1	1.043	47.4		39.47		0.016	1	6
kug_01b	w2a_010		994	RBSC	1	0.488			41.05		0.001	0	Unknown
kug_01b	w2a_010		995	SPSC	1	2.682	64.05		53.41		0.039	1	7
kug_01b	w2a_010		996	RBSC	1	0.51	43.79		37.68			0	Unknown
kug_01b	w2a_010		997	RBSC	1	0.438	37.44		31.35			0	Unknown
kug_01b	w2a_010		998	ARSS	1	0.238	32.33		26.9			0	Unknown
kug_01b	w2a_010		999	ARSS	1	0.316	32.41		28.62			0	Unknown
kug_01b	w2a_010		1000	ARSS	1	0.125	25.93		21.64			0	Unknown
kug_01b	w2a_010		1001	ARSS	1	4.585	74.9		63.71		0.352	1	7
kug_01b	w2a_010		1002	ARSS	1	5.035	76.49		63.93		0.281	1	7
kug_01b	w2a_010		1003	ARSS	1	5.293	77.07		65.15		0.307	1	7
kug_01b	w2a_010		1004	ARSS	1	6.44	85.2		70.69		0.295	1	7
kug_01b	w2a_010		1005	ARSS	1	6.448	81.83		67.93		0.237	2	2

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_01b	w2a_010		1006	ARSS	1	2.56	64.48		54.16			0	Unknown
kug_01b	w2a_010		1007	ARSS	1	9.47	95.1		80.21		0.394	2	2
kug_01b	w2a_010		1008	ARSS	1	17.558	111.01		94.17		1.224	0	Unknown
kug_01b	w2a_010		1009	ARSS	1	22.061	114.96		98.57		1.758	2	3
kug_01b	w2a_010		1010	UNLISP	1	2.578			56.5		0.066	2	1
kug_01b	w2a_010		1011	AREP	1	0.913	62.32		60.73			0	Unknown
kug_01b	w2a_010		1012	STEB	1	1.106	71.08		63.43		0.001	1	6
kug_01b	w2a_010		1013	STEB	1	0.786	64.68		56.91		0.001	1	6
kug_01b	w2a_010		1014	STEB	1	1.253	78.36		68.7		0.001	1	6
kug_01b	w2a_010		1015	STEB	1	0.953	71.69		63.18		0.001	0	Unknown
kug_01b	w2a_010		1016	STEB	1	0.935	71.9		63.72		0.002	1	6
kug_01b	w2a_010		1017	STEB	1	1.154	74.38		65.55		0.001	0	Unknown
kug_01b	w2a_010		1018	STEB	1	1.254	75.55		66.38		0.001	1	6
kug_01b	w2a_010		1019	STEB	1	1.151	73.38		64.35		0.001	0	Unknown
kug_01b	w2a_010		1020	STEB	1	2.809	99.77		88.2		0.28	2	2
kug_01b	w2a_010		1021	STEB	1	1.16	72.83		65.45		0.001	1	6
kug_01b	w2a_010		1022	STEB	1	1.352	77.37		67.71			0	Unknown
kug_01b	w2a_010		1023	STEB	1	2.011	88.93		78.66		0.022	2	2
kug_01b	w2a_010		1024	STEB	1	1.714	86.66		76.06		0.015	1	7
kug_01b	w2a_010		1025	STEB	1	2.372	95.96		84.85		0.042	2	2
kug_01b	w2a_010		1026	STEB	1	0.929	64.77		61.2			1	6
kug_01b	w2a_010		1027	STEB	1	1.455	79.24		69.7		0.006	2	1
kug_01b	w2a_010		1028	STEB	1	0.479	56.8		50			0	Unknown
kug_01b	w2a_010		1029	STEB	1	0.94	67.91		60.27			0	Unknown
kug_01b	w2a_010		1030	STEB	1	0.751	60.91		55.58			0	Unknown
kug_01b	w2a_010		1031	STEB	1	0.309	49.02		44.52			0	Unknown
kug_01b	w2a_010		1032	STEB	1	1.41	82.43		72.54		0.002	0	Unknown
kug_01b	w2a_010		1033	STEB	1	1.036	67.44		61.38		0.004	1	6
kug_01b	w2a_010		1034	STEB	1	1.405	79.84		70.3		0.005	2	1
kug_01b	w2a_010		1035	STEB	1	2.335			74.43		0.014	1	6
kug_01b	w2a_010		1036	STEB	1	0.641	59.86		51.73			0	Unknown
kug_01b	w2a_010		1037	STEB	1	1.295	76.48		67.1		0.002	1	6
kug_01b	w2a_010		1038	STEB	1	2.495	99.79		87.53		0.005	1	6
kug_01b	w2a_010		1039	STEB	1	3.576	113.92		99.37		0.081	1	7
kug_01b	w2a_010		1040	STEB	1	1.15	71.89		63.26		0.006	1	6
kug_01b	w2a_010		1041	STEB	1	1.367	78.76		69.59		0.003	2	1
kug_01b	w2a_010		1042	STEB	1	1.396	78.38		69.06		0.007	2	1
kug_01b	w2a_010		1043	STEB	1	1.404	79.53		70.35		0.005	1	6
kug_01b	w2a_010		1044	STEB	1	1.237	75.85		65.6		0.001	0	Unknown
kug_01b	w2a_010		1045	STEB	1	0.85	64.82		56.77		0.001	1	6

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kug_01b	w2a_010		1046	STEB	1	0.99	69.68		60.21		0.002	1	6
kug_01b	w2a_010		1047	STEB	1	1.032	73.97		64.41			0	Unknown
kug_01b	w2a_010		1048	STEB	1	1.011	70.08		61.72			0	Unknown
kug_01b	w2a_010		1049	STEB	1	1.182	75.68		67.62		0.001	0	Unknown
kug_01b	w2a_010		1050	STEB	1	2.024	90.11		80.04		0.019	1	7
kug_01b	w2a_010		1051	STEB	1	1.031	67.18		60.28			0	Unknown
kug_01b	w2a_010		1052	STEB	1	1.554	83.63		74.01		0.001	1	6
kug_01b	w2a_010		1053	STEB	1	1.898	93.4		82.1		0.007	1	6
kug_01b	w2a_010		1054	STEB	1	1.105	74.04		64.32		0.001	0	Unknown
kug_01b	w2a_010		1055	STEB	1	0.853	69.98		61.52		0.003	1	6
kug_01b	w2a_010		1056	STEB	1	0.773	61.8		55.36			0	Unknown
kug_01b	w2a_010		1057	STEB	1	1.524	81.94		72.72		0.001	1	6
kug_01b	w2a_010		1058	STEB	1	0.827	65.4		57.75		0.004	1	6
kug_01b	w2a_010		1059	STEB	1	1.21	73.86		64.25			0	Unknown
kug_01b	w2a_010		1060	STEB	1	0.728	62		54.57			0	Unknown
kug_01b	w2a_010		1061	STEB	1	0.874	64.16		58.1		0.006	1	6
kug_01b	w2a_010		1062	STEB	1	1.239	75.11		65.5		0.003	1	6
kug_01b	w2a_010		1063	STEB	1	1.756	84.62		75.04		0.009	2	1
kug_01b	w2a_010		1064	STEB	1	0.978	70.98		62.25		0.003	1	6
kug_01b	w2a_010		1065	STEB	1	1.585	86.07		75.07		0.006	1	6
kug_01b	w2a_010		1066	STEB	1	0.779	59.13		54.05			0	Unknown
kug_01b	w2a_010		1067	STEB	1	2.014	90.13		77.2		0.005	1	6
kug_01b	w2a_010		1068	STEB	1	1.098	70.73		61.68			0	Unknown
kug_01b	w2a_010		1069	STEB	1	1.307	76		67.14		0.005	1	6
kug_01b	w2a_010		1070	STEB	1	0.652	58.08		51.66		0.001	1	6
kug_01b	w2a_010		1071	STEB	1	1.302	76.5		67.95			n/a	
kug_01b	w2a_010		1072	STEB	1	0.91	69.3		60.56			1	6
kug_01b	w2a_010		1073	STEB	1	0.337	50.09		44.04			0	Unknown
kug_01b	w2a_010		1074	STEB	1	0.565	60.93		54.45			0	Unknown
kug_01b	w2a_010		1075	STEB	1	1.45	80.47		71.42		0.004	1	6
kug_01b	w2a_010		1076	STEB	1	1.288	74.35		65.37		0.001	0	Unknown
kug_01b	w2a_010		1077	STEB	1	1.653	84.98		75.82		0.001	1	6
kug_01b	w2a_010		1078	STEB	1	1.791	87.04		76.64		0.026	2	2
kug_01b	w2a_010		1079	STEB	1	1.767	85.02		74.71		0.021	2	2
kug_01b	w2a_010		1080	STEB	1	3.377	112.74		98.81		0.047	1	7
kug_01b	w2a_010		1081	STEB	1	1.656	86.45		75.3		0.004	1	6
kug_01b	w2a_010		1082	STEB	1	0.6	59.03		52.29		0.003	2	1
kug_01b	w2a_010		1083	CAEP	1	0.706	56.41		54.35			0	Unknown
kug_01b	w2a_010		1084	KPSF	1	0.422	36.29		31.95			0	Unknown
kug_01b	w2a_010		1085	ARSS	1	0.364	34.27		28.58			0	Unknown

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kug_01b	w2a_010		1086	RBSC	1	0.101	25.62		21.97			0	Unknown
kug_01b	w2a_010		1087	KPSF	1	2.839			55.57			0	Unknown
kug_01b	w2a_010		1088	UNICSP	1	0.13	26.45		22.67			0	Unknown
kug_01b	w2a_010		1089	ARAF	1	0.214	37.21		32.44			0	Unknown
kug_01b	w2a_010		1090	ARCD	1	0.46	40.76		36.73			0	Unknown
kug_02	bbt_007_008		1091	CAEP	1	0.249	44.9		43.79			0	Unknown
kug_02	bbt_007_008		1092	AREP	1	1.057	70.08		68.91		0.001	2	1
kug_02	bbt_007_008		1093	ARAF	1	0.994	55.39		48.49		0.025	1	7
kug_02	bbt_007_008		1094	ARAF	1	0.973	52.35		45.26		0.027	2	2
kug_02	bbt_007_008		1095	RBSC	1	0.298	30.6		27.1			0	Unknown
kug_02	bbt_007_008		1096	UNICSP	1	0.292	33.94		27.94			0	Unknown
kug_02	bbt_007_008		1097	ARCD	1	4.47	86.63	82.89	79.85		0.193	1	7
kug_02	bbt_007_008		1098	ARCD	1	2.22	70.38	68.16	64.8			n/a	
kug_02	bbt_007_008		1099	ARCD	1	0.22	36.73	35.72	34.55			n/a	
kug_02	bbt_007_008		1100	ARCD	1	0.15						n/a	
kug_02	w2a_011		1101	ARCD	1	8.951	101.35	99.1	92.45		0.312	1	7
kug_02	w2a_011		1102	ARCD	1	4.01	82.1	79.76	74.6			n/a	
kug_02	w2a_011		1103	ARCD	1	3.799	79.7	77.58	73.32	0.131	0.082	1	6
kug_02	w2a_011		1104	ARCD	1	4.3	85.86	83.95	78.66			n/a	
kug_02	w2a_011		1105	ARCD	1	5.96	96.47	92.73	88.09		0.93	1	6.5
kug_02	w2a_011		1106	ARCD	1	14.941	131.54	127.16	120.05		0.354	2	2
kug_02	w2a_011		1107	ARCD	1	3.28	81.37	76.54	73.7			n/a	
kug_02	w2a_011		1108	ARCD	1	2.63	72.62	71.04	66.45			n/a	
kug_02	w2a_011		1109	ARCD	1	4.47	88.24	85.85	80.56			n/a	
kug_02	w2a_011		1110	ARCD	1	6.708	96.06	94.24	90.21	0.529	0.166	1	7
kug_02	w2a_011		1111	ARCD	1	1.96	69.33	67.77	63.62			n/a	
kug_02	w2a_011		1112	ARCD	1	2.32	70.48	69.47	65.22			n/a	
kug_02	w2a_011		1113	ARCD	1	13.337	125.33	122.92	113.98		0.52	1	7
kug_02	w2a_011		1114	ARCD	1	0.92	54.32	52.54	49.6		0	2	1
kug_02	w2a_011		1115	ARCD	1	1.43	62.43	60.42	56.62	0.049	0.003	1	6
kug_02	w2a_011		1116	ARCD	1	0.14			31.26			n/a	
kug_02	w2a_011		1117	ARCD	1	0.1			29.13			n/a	
kug_02	w2a_011		1118	ARCD	1	0.24			34.65			n/a	
kug_02	w2a_011		1119	ARCD	1	0.07			27.4			0	Unknown
kug_02	w2a_011		1120	ARCD	1	0.13	34.73	33.99	32.55			0	Unknown
kug_02	w2a_011		1121	ARCD	1	0.447	42	40.41	37.71	0.003		0	Unknown
kug_02	w2a_011		1122	ARCD	1	0.35	43.09		39.76			n/a	
kug_02	w2a_011		1123	ARCD	1	0.19						n/a	
kug_02	w2a_011		1124	ARCD	1	0.39	42.59		39.04			n/a	
kug_02	w2a_011		1125	ARCD	1	0.2	38.6	36.9	34.67			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_02	w2a_011		1126	ARCD	1	0.13						0	Unknown
kug_02	w2a_011		1127	ARCD	1	0.214	36.55					0	Unknown
kug_02	w2a_011		1128	ARCD	1	0.65	48.34	46.61	44.29			0	Unknown
kug_02	w2a_011		1129	ARCD	1	2.136	69.67	66.92	62.17	0.104	0.042	1	6
kug_02	w2a_011		1130	ARCD	1	2.41	73.66	72.12	67.4			n/a	
kug_02	w2a_011		1131	ARCD	1	1.66	63.01	60.91	57.91		0.001	0	Unknown
kug_02	w2a_011		1132	ARCD	1	2.25	69.06	66.84	62.58		0.026	2	1
kug_02	w2a_011		1133	ARCD	1	2.21	68.77	66.37	62.94		0.003	1	6
kug_02	w2a_011		1134	ARCD	1	2.53	76.72	75.06	69.85			n/a	
kug_02	w2a_011		1135	ARCD	1	2.61	73.14	70.63	66.95			n/a	
kug_02	w2a_011		1136	ARCD	1	3.199	79.32	77.03	72.89	0.102	0.058	2	7
kug_02	w2a_011		1137	ARCD	1	3.72	83.62	81.94	76.9			n/a	
kug_02	w2a_011		1138	ARCD	1	6.49	98.72	96.83	90.59			n/a	
kug_02	w2a_011		1139	ARCD	1	5.24	91.28	87.49	82.92		0.13	1	6
kug_02	w2a_011		1140	ARCD	1	3.28	79.95	78.8	74.3			n/a	
kug_02	w2a_011		1141	ARCD	1	7.057	95.58	93.13	87.92	0.55	0.071	2	1
kug_02	w2a_011		1142	ARCD	1	3.35	79.04	77.35	73.93		0.037	1	6
kug_02	w2a_011		1143	ARCD	1	7.279	101.57	99.01	92.86		0.269	1	7
kug_02	w2a_011		1144	ARCD	1	3.43	82.49	79.69	76.03			n/a	
kug_02	w2a_011		1145	ARCD	1	4.94	93.6	90.55	84.67			n/a	
kug_02	w2a_011		1146	ARCD	1	4.26	84.46	82.54	78.77		0.069	1	6.5
kug_02	w2a_011		1147	ARCD	1	3.68	82.61	80.39	76.79	0.258	0.086	1	6
kug_02	w2a_011		1148	ARCD	1	2.7	77.74	75.42	69.82			n/a	
kug_02	w2a_011		1149	ARCD	1	3.46	79.54	78.69	73.49			n/a	
kug_02	w2a_011		1150	ARCD	1	2.999	75.13	69.75	67.28	0.133	0.056	2	1
kug_02	w2a_011		1151	ARCD	1	2.23	71.28	69.77	65.67			n/a	
kug_02	w2a_011		1152	ARCD	1	2.07	69.95	67.82	62.78			n/a	
kug_02	w2a_011		1153	UNICSP	1	0.375	36.12		30.93			0	Unknown
kug_02	w2a_011		1154	SPSC	1	0.304	34.2		28.31			0	Unknown
kug_02	w2a_011		1155	ARSS	1	0.373	36.89		30.71			0	Unknown
kug_02	w2a_011		1156	SPSC	1	3.529	70.88		60.56		0.077	1	7
kug_02	w2a_011		1157	SPSC	1	2.609	65.32		55.14		0.047	1	7
kug_02	w2a_011		1158	ARSS	1	10.322	92.56		78.47		0.305	2	2
kug_02	w2a_011		1159	ARSS	1	14.359	103.16		89.07		0.904	2	2
kug_02	w2a_011		1160	ARSS	1	30.682	130.7		112.4			0	Unknown
kug_02	w2a_011		1161	WSEP	1	7.645	131.82		129.15			n/a	
kug_02	w2a_011		1162	PAEP	1	3.917	100.04		97.76		0.005	1	6
kug_02	w2a_011		1163	CAEP	1	0.193	42.73		42.03			0	Unknown
kug_02	w2a_011		1164	STEB	1	1.154	74.77		67.2			n/a	
kug_02	w2a_011		1165	BLPB	1	0.984	70.6		62.1			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_02	w2a_011		1166	ARAF	1	1.303	56.61		49.34		0.025	2	1
kug_02	w2a_011		1167	ARAF	1	0.966	52.52		44.97		0.02	1	7
kug_02	w2a_011		1168	ARAF	1	1.072	54.06		47.35		0.015	2	1
kug_02	w2a_011		1169	ARAF	1	1.429	59.69		51.88		0.061	2	2
kug_02	w2a_011		1170	UNICSP	1	0.319	33.64		28.25			0	Unknown
kug_02	w2a_011		1171	ARCD	1	0.227			36.59			0	Unknown
kug_03	bbt_009_010		1172	RBSC	1	2.984	80.88		69.98		0.035	2	1
kug_03	bbt_009_010		1173	RBSC	1	1.433	62.01		54.12			0	Unknown
kug_03	bbt_009_010		1174	RBSC	1	1.151			48.14		0.001	2	1
kug_03	bbt_009_010		1175	RBSC	1	8.152	101.81		89.24		0.21	1	7
kug_03	bbt_009_010		1176	THSC	1	2.51	63.33		54.36		0.047	2	2
kug_03	bbt_009_010		1177	AREP	1	5.646	103.14		101.05		0.017	2	2
kug_03	bbt_009_010		1178	AREP	1	4.674	97.26		94.24		0.012	1	6
kug_03	bbt_009_010		1179	AREP	1	1.553	73.49		71.48		0.001	1	6
kug_03	bbt_009_010		1180	ARAF	1	1.153	59.91		52.77		0.025	2	2
kug_03	bbt_009_010		1181	ARCD	1	0.334	40.04	38.94	37.24			0	Unknown
kug_03	bbt_009_010		1182	ARCD	1	0.09						0	Unknown
kug_03	bbt_009_010		1183	ARCD	1	1.53	65.08	63.15	59.46		0.016	2	1
kug_03	bbt_009_010		1184	ARCD	1	2.88	78.34	75.99	71.43		0.052	1	6
kug_03	bbt_009_010		1185	ARCD	1	5.885	100.83	97.16	92.13		0.125	1	7
kug_03	bbt_009_010		1186	ARCD	1	4.944	88.65	87.2	82.89			n/a	
kug_03	bbt_009_010		1187	ARCD	1	9.41	118.05	114.16	107.54		0.315	1	7
kug_03	bbt_009_010		1188	ARCD	1	8.577	106.59	103.42	96.81	0.549	0.159	1	7
kug_03	bbt_009_010		1189	ARCD	1	8.31	104.21	101.74	94.34		0.127	1	7
kug_03	bbt_009_010		1190	ARCD	1	15.48	134.08	128.11	119.65			n/a	
kug_03	bbt_009_010		1191	ARCD	1	12.509	127.4	123.22	114.91	0.314	0.246	2	2
kug_03	bbt_009_010		1192	ARCD	1	12.97	128.79	123.59	116.64		0.404	1	7
kug_03	w2a_012		1193	ARCD	1	38.78	185.97	179.33	168.89		1.209	2	2
kug_03	w2a_012		1194	ARCD	1	19.91	144.48	138.48	128.64		0.895	1	7
kug_03	w2a_012		1195	ARCD	1	13.38	131.74	126.7	118.63			n/a	
kug_03	w2a_012		1196	ARCD	1	19.44	142.43	138.72	130.05			n/a	
kug_03	w2a_012		1197	ARCD	1	19.29	146.15	141.65	133	2.122	0.264	2	2
kug_03	w2a_012		1198	ARCD	1	11.85	128.34	123.67	116.64		0.207	2	2
kug_03	w2a_012		1199	ARCD	1	11.98	121.42	117.08	110.6		0.0638	1	7
kug_03	w2a_012		1200	ARCD	1	20.31	144.18	140.39	134.3		0.527	2	2
kug_03	w2a_012		1201	ARCD	1	12.18	128.98	123.32	113.22			n/a	
kug_03	w2a_012		1202	ARCD	1	13.34	129.68	124.75	115.86			n/a	
kug_03	w2a_012		1203	ARCD	1	6.79	101.94	100.31	92.09			n/a	
kug_03	w2a_012		1204	ARCD	1	6.38	100.53	96.98	91.19			n/a	
kug_03	w2a_012		1205	ARCD	1	3.63	81.34	79.87	75.14			n/a	

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kug_03	w2a_012		1206	ARCD	1	5.2	91.81	90.03	85.17			n/a	
kug_03	w2a_012		1207	ARCD	1	5.99	100.09	96.67	89.99			n/a	
kug_03	w2a_012		1208	ARCD	1	4.23	88.44	85.1	79.52		0.047	2	1
kug_03	w2a_012		1209	ARCD	1	4.09	89.18	86.79	80.7		0.03	1	6
kug_03	w2a_012		1210	ARCD	1	4	83.77	81.73	76.63			n/a	
kug_03	w2a_012		1211	ARCD	1	4.704	89.64	86.91	81.59	0.098	0.066	1	6
kug_03	w2a_012		1212	ARCD	1	3.77	86.89	85.18	79.08		0.046	2	1
kug_03	w2a_012		1213	ARCD	1	5.28	93.72	91.25	85.52			n/a	
kug_03	w2a_012		1214	ARCD	1	4.83	89.87	87.08	82.16		0.08	1	7
kug_03	w2a_012		1215	ARCD	1	4.394	93.18	90.47	84.98		0.05	1	6
kug_03	w2a_012		1216	ARCD	1	5.51	95.72	92.98	87.48		0.144	1	6
kug_03	w2a_012		1217	ARCD	1	6.89	101.63	99.27	92.79		0.197	1	7
kug_03	w2a_012		1218	ARCD	1	4.05	85.39	82.78	78.32		0.006	1	6
kug_03	w2a_012		1219	ARCD	1	3.196	77.41	74.51	70.63	0.148	0.03	1	6
kug_03	w2a_012		1220	ARCD	1	3.21	83.96	81.98	76.82			n/a	
kug_03	w2a_012		1221	ARCD	1	3.69	81.85	79.7	75.47		0.033	1	6
kug_03	w2a_012		1222	ARCD	1	4.308	83.6	81.84	76.66	0.062	0.034	1	6
kug_03	w2a_012		1223	ARCD	1	2.13	72.86	70.84	67.54		0.011	2	1
kug_03	w2a_012		1224	ARCD	1	2.63	77.44	75.74	70.54			n/a	
kug_03	w2a_012		1225	ARCD	1	2.39	74.59	72.79	67.77			n/a	
kug_03	w2a_012		1226	ARCD	1	2.522	75.28	73.11	68.26	0.069	0.022	1	6
kug_03	w2a_012		1227	ARCD	1	0.44	43.44	42.22	40.27			0	Unknown
kug_03	w2a_012		1228	ARCD	1	0.371	41	40.74	38.25			0	Unknown
kug_03	w2a_012		1229	ARCD	1	0.43	42.47		38.12			n/a	
kug_03	w2a_012		1230	ARCD	1	0.22	34.03		30.57			0	Unknown
kug_03	w2a_012		1231	ARCD	1		39.12		35.91			n/a	
kug_03	w2a_012		1232	ARCD	1	0.431	42.34	41.22	39.12			0	Unknown
kug_03	w2a_012		1233	ARCD	1	0.25						0	Unknown
kug_03	w2a_012		1234	SCEP	1	18.262	150.62		146.86			n/a	
kug_03	w2a_012		1235	AREP	1	4.981	97.92		95.13		0.01	2	1
kug_03	w2a_012		1236	THSC	1	2.57	60.45		51		0.057	1	7
kug_03	w2a_012		1237	KPSF	1	0.778	46.13		39.98			0	Unknown
kug_03	w2a_012		1238	KPSF	1	0.265			34.66			0	Unknown
kug_03	w2a_012		1239	KPSF	1	0.364						0	Unknown
kug_03	w2a_012		1240	UNCASP	1	0.121			24.6			0	Unknown
kug_04	bbt_011_012		1241	ARCD	1	13.07	126.84	122.25	113.86			n/a	
kug_04	bbt_011_012		1242	ARCD	1	11.35	121.75	116.53	109.25			n/a	
kug_04	bbt_011_012		1243	ARCD	1	17.31	135.04	129.53	121.32			n/a	
kug_04	bbt_011_012		1244	ARCD	1	20.33	152.96	146.85	138.06			n/a	
kug_04	bbt_011_012		1245	ARCD	1	20.19	140.58	137.45	129.3		0.635	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	bbt_011_012		1246	ARCD	1	5.14	91.36	88.94	83.61			n/a	
kug_04	bbt_011_012		1247	ARCD	1	4.63	87.05	85.1	78.85			n/a	
kug_04	bbt_011_012		1248	ARCD	1	2.9	75.8	73.71	69.27			n/a	
kug_04	bbt_011_012		1249	ARCD	1	7.03	96.66	94.73	87.77			n/a	
kug_04	bbt_011_012		1250	ARCD	1	4.14	86.37	82.86	78.4			n/a	
kug_04	bbt_011_012		1251	ARCD	1	7.03	99.07	94.2	89.33			n/a	
kug_04	bbt_011_012		1252	ARCD	1	6.57	96.33	93.26	86.27			n/a	
kug_04	bbt_011_012		1253	ARCD	1	4.03						n/a	
kug_04	bbt_011_012		1254	ARCD	1	3.79	82.58	79.01	76.28			n/a	
kug_04	bbt_011_012		1255	KPSF	1	3.906					0.014	1	6
kug_04	bbt_011_012		1256	KPSF	1	3.702			72.23			0	Unknown
kug_04	bbt_011_012		1257	KPSF	1	0.364						0	Unknown
kug_04	bbt_011_012		1258	RBSC	1	16.963	124.31		108.19			0	Unknown
kug_04	bbt_011_012		1259	RBSC	1	7.786	98.18		88.56		0.314	1	7
kug_04	bbt_011_012		1260	RBSC	1	2.219	66.99		57.3		0.009	1	6
kug_04	bbt_011_012		1261	DLEP	1	8.703	127.04		125.35			n/a	
kug_04	bbt_011_012		1262	LEEP	1	10.438	126.3		122.99		0.013	2	1
kug_04	bbt_011_012		1263	LEEP	1	1.729	76.32		72.8		0.002	2	1
kug_04	bbt_011_012		1264	SCEP	1	1.416	76.84		75.39			0	Unknown
kug_04	bbt_011_012		1265	DLEP	1	0.151	38.94		38.01			n/a	
kug_04	bbt_011_012		1266	PAEP	1	0.22	41.46		41.39			0	Unknown
kug_04	w2a_013		1267	GLHB	1	656	424		369		2.015	2	1
kug_04	w2a_013		1268	LEEP	1	236	366		362		2.705	2	2
kug_04	w2a_013		1269	LEEP	1	0.358	48.06		46			0	Unknown
kug_04	w2a_013		1270	ARCD	1	7.2	106.82	103.08	97.26			n/a	
kug_04	w2a_013		1271	ARCD	1	4.38	92.65	90.31	83.61			n/a	
kug_04	w2a_013		1272	ARCD	1	12.58	119	114.31	105.72		0.421	1	7
kug_04	w2a_013		1273	ARCD	1	17.57	135.64	129.6	119.58		0.211	1	6
kug_04	w2a_013		1274	ARCD	1	18.003	126.6	123.22	113.95	1.359	0.358	1	6
kug_04	w2a_013		1275	ARCD	1	8.45	111.43	108.8	100.73		0.181	1	6
kug_04	w2a_013		1276	ARCD	1	8.97	107.34	103.85	98.83		0.263	1	6.5
kug_04	w2a_013		1277	ARCD	1	34.53	180.73	172.54	162.44		1.005	2	2
kug_04	w2a_013		1278	ARCD	1	15.46	127.1	123.25	114.41		0.398	2	2
kug_04	w2a_013		1279	ARCD	1	33.85	157.19	152.12	144.17		1.578	1	7
kug_04	w2a_013		1280	ARCD	1	5.74	97.11	94.87	88.11			n/a	
kug_04	w2a_013		1281	ARCD	1	3.99	85.59	83.8	79.72			n/a	
kug_04	w2a_013		1282	ARCD	1	4.1	86.5	84.91	79.54			n/a	
kug_04	w2a_013		1283	ARCD	1	3.74	85.1	82.74	77.09			n/a	
kug_04	w2a_013		1284	ARCD	1	3.5	79.23		72.96			n/a	
kug_04	w2a_013		1285	ARCD	1	2.86	80.68	79.17	74.1			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1286	ARCD	1	3.82	82.32	80.01	75.22			n/a	
kug_04	w2a_013		1287	ARCD	1	4.61	93.34	89.42	84.55			n/a	
kug_04	w2a_013		1288	ARCD	1	2.35	70.66	68.06	64.34		0.019	2	1
kug_04	w2a_013		1289	ARCD	1	11.601	116.89	112.99	105.78	0.637	0.504	1	7
kug_04	w2a_013		1290	ARCD	1	7.42	105.53	102.24	96.58			n/a	
kug_04	w2a_013		1291	ARCD	1	3.37	82.1	80.03	77.33			n/a	
kug_04	w2a_013		1292	ARCD	1	5.01	92.68	90.77	84.57			n/a	
kug_04	w2a_013		1293	ARCD	1	7.05	98.64	95.11	89.41		0.113	1	6
kug_04	w2a_013		1294	ARCD	1	3.19	79.32	75.72	71.16			n/a	
kug_04	w2a_013		1295	ARCD	1	4.21	87.09	84.72	80.21			n/a	
kug_04	w2a_013		1296	ARCD	1	5.23	90.76	89.15	83.65			n/a	
kug_04	w2a_013		1297	ARCD	1	11.02	123.17	120.69	113.53			n/a	
kug_04	w2a_013		1298	ARCD	1	4.36	87.9	86.24	80.12			n/a	
kug_04	w2a_013		1299	ARCD	1	6.37	96.29	94.49	88.31			n/a	
kug_04	w2a_013		1300	ARCD	1	7.86	100.86	97.69	92.64			n/a	
kug_04	w2a_013		1301	ARCD	1	5.88	93.46	91.51	86.59			n/a	
kug_04	w2a_013		1302	ARCD	1	15.32	123.45	121.55	111.49			n/a	
kug_04	w2a_013		1303	ARCD	1	14.01	129.14	124.86	114.85			n/a	
kug_04	w2a_013		1304	ARCD	1	5.26	95.23	93.17	87.4			n/a	
kug_04	w2a_013		1305	ARCD	1	4.22		91.16	85.05			n/a	
kug_04	w2a_013		1306	ARCD	1	3.07	81.61		74.62			n/a	
kug_04	w2a_013		1307	ARCD	1	4.31	96.52	94.41	87.91			n/a	
kug_04	w2a_013		1308	ARCD	1	2.15	66.16	64.34	61.47		0.022	1	6
kug_04	w2a_013		1309	ARCD	1	0.78						n/a	
kug_04	w2a_013		1310	ARCD	1	8.79	113.12	109.04	102.24			n/a	
kug_04	w2a_013		1311	ARCD	1	10.87	116.83	111.93	104.15			n/a	
kug_04	w2a_013		1312	ARCD	1	7.98	109.31	106.33	101.39			n/a	
kug_04	w2a_013		1313	ARCD	1	5.67	93.56	90.49	84.47			n/a	
kug_04	w2a_013		1314	ARCD	1	3.04	80.82	78.27	73.93			n/a	
kug_04	w2a_013		1315	ARCD	1	2.75	76.16	72.98	68.46			n/a	
kug_04	w2a_013		1316	ARCD	1	6.26	100	97.75	91.33			n/a	
kug_04	w2a_013		1317	ARCD	1	11.64	124.01	120.78	112.7			n/a	
kug_04	w2a_013		1318	ARCD	1	11.8	118.01	113.82	107.82			n/a	
kug_04	w2a_013		1319	ARCD	1	6.82	102.53	99.8	93.45			n/a	
kug_04	w2a_013		1320	ARCD	1	5.82	96.33	92.38	87.23			n/a	
kug_04	w2a_013		1321	ARCD	1	6.34	102.18	99.93	94.11			n/a	
kug_04	w2a_013		1322	ARCD	1	2.51	81.99	80.47	75.06			n/a	
kug_04	w2a_013		1323	ARCD	1	1.1	61.87	60.22	57.54			n/a	
kug_04	w2a_013		1324	ARCD	1	15.92	136.27	130.61	120.92			n/a	
kug_04	w2a_013		1325	ARCD	1	11.26	113.77	110.59	102.74			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1326	ARCD	1	4.77	90.42	87.65	82.15		0.048	2	1
kug_04	w2a_013		1327	ARCD	1	7	98.1	96.12	89.22			n/a	
kug_04	w2a_013		1328	ARCD	1	5.46	96.73	94.35	88.01			n/a	
kug_04	w2a_013		1329	ARCD	1	5.1			83.22			n/a	
kug_04	w2a_013		1330	ARCD	1	3.36	83.53	81.51	76.09			n/a	
kug_04	w2a_013		1331	ARCD	1	22.27	147.21	143.3	135.93		0.646	2	2
kug_04	w2a_013		1332	ARCD	1	17.05	141.11	136.93	127.33			n/a	
kug_04	w2a_013		1333	ARCD	1	13.76	123.09	118.73	111.44			n/a	
kug_04	w2a_013		1334	ARCD	1	5.03	86.29	84.83	78.29			n/a	
kug_04	w2a_013		1335	ARCD	1	5.07	89.81	87.05	82.59			n/a	
kug_04	w2a_013		1336	ARCD	1	7.34	104.37	101.44	95.64			n/a	
kug_04	w2a_013		1337	ARCD	1	4.76	88.35	85.73	79.13			n/a	
kug_04	w2a_013		1338	ARCD	1	4.33	87.55	85	80.36			n/a	
kug_04	w2a_013		1339	ARCD	1	2.63	70.59	69.93	65.93			n/a	
kug_04	w2a_013		1340	ARCD	1	5.82	97.18	95.16	87.63			n/a	
kug_04	w2a_013		1341	ARCD	1	5.13	92.41	89.42	83.77			n/a	
kug_04	w2a_013		1342	ARCD	1	5.11	95.67	93.13	87.93			n/a	
kug_04	w2a_013		1343	ARCD	1	5.16	88.29	86.49	80.13			n/a	
kug_04	w2a_013		1344	ARCD	1	9.76	113.23	109.81	103.29			n/a	
kug_04	w2a_013		1345	ARCD	1	3.54	83.6	81.23	75.79			n/a	
kug_04	w2a_013		1346	ARCD	1	14.713	123.05	119.04	111.92		0.701	1	7
kug_04	w2a_013		1347	ARCD	1	14.32	129.63	125.84	118.46			n/a	
kug_04	w2a_013		1348	ARCD	1	15.17	131.22	125.33	117.01			n/a	
kug_04	w2a_013		1349	ARCD	1	12.99	126.87	123.85	115.29			n/a	
kug_04	w2a_013		1350	ARCD	1	5.17	87.6	85.51	79.72			n/a	
kug_04	w2a_013		1351	ARCD	1	4.18	82.56	80.25	76.14			n/a	
kug_04	w2a_013		1352	ARCD	1	3.28	77.67	76.31	72.8			n/a	
kug_04	w2a_013		1353	ARCD	1	4.54	86.75	84.79	79.98			n/a	
kug_04	w2a_013		1354	ARCD	1	5.42			86.06			n/a	
kug_04	w2a_013		1355	ARCD	1	4.95	85.98	83.42	77.9		0.068	1	6
kug_04	w2a_013		1356	ARCD	1	3.81	85.17	83.77	78.96			n/a	
kug_04	w2a_013		1357	ARCD	1	2.75	75.53	72.72	68.72			n/a	
kug_04	w2a_013		1358	ARCD	1	3.94	81.81	80.79	72.85			n/a	
kug_04	w2a_013		1359	ARCD	1	5.12	96.47	94.19	88.36			n/a	
kug_04	w2a_013		1360	ARCD	1	24.814	150.61	146.78	136.4	1.5	0.757	2	2
kug_04	w2a_013		1361	ARCD	1	14.94	122.23	117.82	109.58		0.339	2	2
kug_04	w2a_013		1362	ARCD	1	12.78	122.49	113.28	112.51			n/a	
kug_04	w2a_013		1363	ARCD	1	10.52	120.95	118.98	111.4			n/a	
kug_04	w2a_013		1364	ARCD	1	8.48	110.54	107.17	100			n/a	
kug_04	w2a_013		1365	ARCD	1	10.27	119.59	115.34	107.57			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1366	ARCD	1	11	122.87	120.58	113.43			n/a	
kug_04	w2a_013		1367	ARCD	1	7.88	104.14	101.76	96.27			n/a	
kug_04	w2a_013		1368	ARCD	1	5.02	95.1	93.05	87.02			n/a	
kug_04	w2a_013		1369	ARCD	1	5.23	91.75	89.98	84.27			n/a	
kug_04	w2a_013		1370	ARCD	1	4.31	90.13	87.5	81.42			n/a	
kug_04	w2a_013		1371	ARCD	1	3.91	83.71	81.77	75.91			n/a	
kug_04	w2a_013		1372	ARCD	1	3.97	83.24	82.16	78.38			0	0
kug_04	w2a_013		1373	ARCD	1	3.89	79.99	77.05	73.34			n/a	
kug_04	w2a_013		1374	ARCD	1	2.722	79.36	77.78	71.89		0.008	2	1
kug_04	w2a_013		1375	ARCD	1	7.1	99.58	95.9	89.97			n/a	
kug_04	w2a_013		1376	ARCD	1	14.78	139.12	134.07	126.32			n/a	
kug_04	w2a_013		1377	ARCD	1	13.74	127.54	122.53	115.15			n/a	
kug_04	w2a_013		1378	ARCD	1	15.47	133.63	128.14	120.39		0.375	2	2
kug_04	w2a_013		1379	ARCD	1	10.3	110.58	106.9	102.3			n/a	
kug_04	w2a_013		1380	ARCD	1	2.9	78.95	75.36	71.11			n/a	
kug_04	w2a_013		1381	ARCD	1	5.1	89.63	87.51	82.09			n/a	
kug_04	w2a_013		1382	ARCD	1	3.67	85.7	83.11	78.3			n/a	
kug_04	w2a_013		1383	ARCD	1	6.05	98.37	96.21	89.42			n/a	
kug_04	w2a_013		1384	ARCD	1	9.81	115.24	112	106.19		0.137	1	6
kug_04	w2a_013		1385	ARCD	1	7.11	100.75	97.08	90.67			n/a	
kug_04	w2a_013		1386	ARCD	1	4.85	92.3	88.99	83.56		0.02	1	6
kug_04	w2a_013		1387	ARCD	1	15.21	129.51	123.27	116.67		0.335	2	2
kug_04	w2a_013		1388	ARCD	1	7.38	105.3	102.7	96.69			n/a	
kug_04	w2a_013		1389	ARCD	1	6.13	96.14	92.8	86.52			n/a	
kug_04	w2a_013		1390	ARCD	1	3.13	73.3	69.58	67.05		0.018	2	1
kug_04	w2a_013		1391	ARCD	1	5.14	87.95	84.86	79.07			n/a	
kug_04	w2a_013		1392	ARCD	1	3.93	82	79.77	74.45			n/a	
kug_04	w2a_013		1393	ARCD	1	2.95	76.5	73.48	70.42	0.066	0.03	1	6
kug_04	w2a_013		1394	ARCD	1	3.26	78.51	77.24	72.91			n/a	
kug_04	w2a_013		1395	ARCD	1	14.107	124.73	117.8	110.85	0.445	0.292	2	2
kug_04	w2a_013		1396	ARCD	1	5.959	93.74	90.41	85.03	0.125	0.056	1	6
kug_04	w2a_013		1397	ARCD	1	6.68	93.78	89.39	83.13			n/a	
kug_04	w2a_013		1398	ARCD	1	6.58	96.56	92.82	86.76			n/a	
kug_04	w2a_013		1399	ARCD	1	6.02	96.01	92.75	86.42			n/a	
kug_04	w2a_013		1400	ARCD	1	4.65	88.53	85.32	79.65		0.026	1	6
kug_04	w2a_013		1401	ARCD	1	4.87	87.54	85.56	80.12		0.05	1	6
kug_04	w2a_013		1402	ARCD	1	3.57	83.68	81.59	76.82			n/a	
kug_04	w2a_013		1403	ARCD	1	3.63	79.15	77.48	71.98			n/a	
kug_04	w2a_013		1404	ARCD	1	5.35	92.9	89.8	83.36			n/a	
kug_04	w2a_013		1405	ARCD	1	6.69	93.89	90.15	84.26			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1406	ARCD	1	8.78	105.26	102.31	96.34			n/a	
kug_04	w2a_013		1407	ARCD	1	4.82	90.35	87.43	81.82			n/a	
kug_04	w2a_013		1408	ARCD	1	6.33	102.06	98.9	94.01			n/a	
kug_04	w2a_013		1409	ARCD	1	5.4	92.07	88.72	82.58			n/a	
kug_04	w2a_013		1410	ARCD	1	4.96	97.24	93.12	86.9			n/a	
kug_04	w2a_013		1411	ARCD	1	0.877	58.32	56.8	52.93			n/a	
kug_04	w2a_013		1412	ARCD	1	4.09	88.04	84.68	78.8			n/a	
kug_04	w2a_013		1413	ARCD	1	4.91	91.72	89.29	83.61			n/a	
kug_04	w2a_013		1414	ARCD	1	12.15	123.18	119.12	112.7			n/a	
kug_04	w2a_013		1415	ARCD	1	16.44	138.18	134.06	126			n/a	
kug_04	w2a_013		1416	ARCD	1	18.431	147.97	140.62	134.09	1.397	0.466	2	2
kug_04	w2a_013		1417	ARCD	1	6.86	105.35	102.17	95.41			n/a	
kug_04	w2a_013		1418	ARCD	1	5.54	92.11	88.97	84.72			n/a	
kug_04	w2a_013		1419	ARCD	1	5.83	95.24	92.84	86.56			n/a	
kug_04	w2a_013		1420	ARCD	1	6.72	105.71	101.96	94			n/a	
kug_04	w2a_013		1421	ARCD	1	5.4	90.99	87.84	81.79			n/a	
kug_04	w2a_013		1422	ARCD	1	4.47	86.65	84.28	78.03			n/a	
kug_04	w2a_013		1423	ARCD	1	3.93	86.83	84.38	79.17			n/a	
kug_04	w2a_013		1424	ARCD	1	6.24	91.08	88.57	82.51			n/a	
kug_04	w2a_013		1425	ARCD	1	4.95	88.06	85.92	80.05			n/a	
kug_04	w2a_013		1426	ARCD	1	21.2	152.9	145.99	136.77		0.83	1	6
kug_04	w2a_013		1427	ARCD	1	22.99	156.78	149.67	140.28			n/a	
kug_04	w2a_013		1428	ARCD	1	4.24	87.57	85.07	80			n/a	
kug_04	w2a_013		1429	ARCD	1	3.31	81.83	78.94	74.92			n/a	
kug_04	w2a_013		1430	ARCD	1	4.25	86.7	83.65	79.05			n/a	
kug_04	w2a_013		1431	ARCD	1	3.56	81.05	78.56	72.98			n/a	
kug_04	w2a_013		1432	ARCD	1	11.2	118.4	115.11	107.33			n/a	
kug_04	w2a_013		1433	ARCD	1	12.741	117.67	114.05	106.57	0.56	0.335	1	7
kug_04	w2a_013		1434	ARCD	1	15.09	136.2	132.6	124.82			n/a	
kug_04	w2a_013		1435	ARCD	1	8.14	104.36	100.72	93.87			n/a	
kug_04	w2a_013		1436	ARCD	1	10.131	103.95	101.19	91.9		0.148	1	6
kug_04	w2a_013		1437	ARCD	1	5.27	94.15	91.28	86.17			n/a	
kug_04	w2a_013		1438	ARCD	1	8.01	103.36	100.35	94.33			n/a	
kug_04	w2a_013		1439	ARCD	1	7.77	105.73	102.29	95.67			n/a	
kug_04	w2a_013		1440	ARCD	1	8.9	109.94	106.88	100.72			n/a	
kug_04	w2a_013		1441	ARCD	1	5.43	93.81	90.74	86.7			n/a	
kug_04	w2a_013		1442	ARCD	1	4.12	85.85	82.82	78.91			n/a	
kug_04	w2a_013		1443	ARCD	1	4.87	86.9	85.52	80.31			n/a	
kug_04	w2a_013		1444	ARCD	1	4.54	88.93	86.64	81.4		0.064	1	6
kug_04	w2a_013		1445	ARCD	1	4.41	86.89	85.53	79.96			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1446	ARCD	1	5.09	90.84	88.66	83.07			n/a	
kug_04	w2a_013		1447	ARCD	1	3.29	85.85	83.67	78.5			n/a	
kug_04	w2a_013		1448	ARCD	1	4.1	84.4	83.04	77.94			n/a	
kug_04	w2a_013		1449	ARCD	1	7.41	103.02	99.17	92.63			n/a	
kug_04	w2a_013		1450	ARCD	1	10.53	113.71	110.52	106.22		0.245	1	7
kug_04	w2a_013		1451	ARCD	1	17.69	127.16	121.51	113.44			n/a	
kug_04	w2a_013		1452	ARCD	1	17.99	148.42	142.63	134.71		0.405	2	2
kug_04	w2a_013		1453	ARCD	1	15.8	132.51	126.46	118.15			n/a	
kug_04	w2a_013		1454	ARCD	1	11.27	126.74	122.36	114.32			n/a	
kug_04	w2a_013		1455	ARCD	1	9.41	114.06	110.68	103.88			n/a	
kug_04	w2a_013		1456	ARCD	1	12.64	129.08	125.16	117.21			n/a	
kug_04	w2a_013		1457	ARCD	1	7.34	99.36	96.38	90.04			n/a	
kug_04	w2a_013		1458	ARCD	1	4.07	87.68	84.84	79.46			n/a	
kug_04	w2a_013		1459	ARCD	1	3.83	84.52	82.95	77.5			n/a	
kug_04	w2a_013		1460	ARCD	1	4.81	88.71	86.43	81.91		0.027	2	1
kug_04	w2a_013		1461	ARCD	1	4.603	84.6	81.32	76.18	0.185	0.066	1	6
kug_04	w2a_013		1462	ARCD	1	3.4	82.73	79.92	73.94			n/a	
kug_04	w2a_013		1463	ARCD	1	4.65	85.42	83.13	78.92			n/a	
kug_04	w2a_013		1464	ARCD	1	3.82	86.52	84.17	78.37			n/a	
kug_04	w2a_013		1465	ARCD	1	5.03	94.01	90.7	85.14			n/a	
kug_04	w2a_013		1466	ARCD	1	3.69	86.05	83.51	78.46			n/a	
kug_04	w2a_013		1467	ARCD	1	4.75	90.65	88.65	82.45			n/a	
kug_04	w2a_013		1468	ARCD	1	3.09	77.13	75.21	71.29			n/a	
kug_04	w2a_013		1469	ARCD	1	15.3	136.32	130.94	123.14			n/a	
kug_04	w2a_013		1470	ARCD	1	22.09	148.06	142.42	135.25			n/a	
kug_04	w2a_013		1471	ARCD	1	13.44	119.63	115.68	108.42			n/a	
kug_04	w2a_013		1472	ARCD	1	15.2	130.46	127.29	116.49			n/a	
kug_04	w2a_013		1473	ARCD	1	8.31			98.59			n/a	
kug_04	w2a_013		1474	ARCD	1	4.43	89.62	87.89	82.27			n/a	
kug_04	w2a_013		1475	ARCD	1	5.96	91.21	88.52	83.04			n/a	
kug_04	w2a_013		1476	ARCD	1	5.02	89.05	86.2	81.1			n/a	
kug_04	w2a_013		1477	ARCD	1	4.6	88.51	85.69	79.94			n/a	
kug_04	w2a_013		1478	ARCD	1	4.7	90.3	87.9	82.05			n/a	
kug_04	w2a_013		1479	ARCD	1	5.8	97.11	95.36	88.01			n/a	
kug_04	w2a_013		1480	ARCD	1	5.49	93.32	90.52	84.06			n/a	
kug_04	w2a_013		1481	ARCD	1	4.28	83.5	80.86	76.44			n/a	
kug_04	w2a_013		1482	ARCD	1	5.08	89.14	86.68	81.13			n/a	
kug_04	w2a_013		1483	ARCD	1	3.93	80.42	78.2	72.97			n/a	
kug_04	w2a_013		1484	ARCD	1	4.07	88.07	85.4	80.09			n/a	
kug_04	w2a_013		1485	ARCD	1	4.63	86.26	83.64	78.25			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1486	ARCD	1	2.98	77.69	75.61	71.54			n/a	
kug_04	w2a_013		1487	ARCD	1	8.06	105.51	101.62	96.31		0.196	1	6
kug_04	w2a_013		1488	ARCD	1	6.16	95.92	93.57	88.79			n/a	
kug_04	w2a_013		1489	ARCD	1	11.57	122.87	117.2	109.97		0.259	2	1
kug_04	w2a_013		1490	ARCD	1	4.2	82.59	79.91	74.5			n/a	
kug_04	w2a_013		1491	ARCD	1	4.46	90.98	87.6	82.47			n/a	
kug_04	w2a_013		1492	ARCD	1	5.53	95.62	91.26	87.45			n/a	
kug_04	w2a_013		1493	ARCD	1	4.79	92.48	90.3	83.34			n/a	
kug_04	w2a_013		1494	ARCD	1	12.02	121.59	119.55	111.1			n/a	
kug_04	w2a_013		1495	ARCD	1	14.14	128.48	124.71	117.2		0.429	2	2
kug_04	w2a_013		1496	ARCD	1	5.8	95.77	89.96	86.4			n/a	
kug_04	w2a_013		1497	ARCD	1	8.47	106.91	103.37	96.88			n/a	
kug_04	w2a_013		1498	ARCD	1	7.07	104.32	100.64	94.01			n/a	
kug_04	w2a_013		1499	ARCD	1	7.591	100.26	97.99	90.73	0.12	0.102	1	6
kug_04	w2a_013		1500	ARCD	1	7.62	114.65	110.39	102.71			n/a	
kug_04	w2a_013		1501	ARCD	1	6.12	91.5	89.2	84.54			n/a	
kug_04	w2a_013		1502	ARCD	1	8.55	106.84	103.14	96.36			n/a	
kug_04	w2a_013		1503	ARCD	1	7.46	100.06	96.5	91.32			n/a	
kug_04	w2a_013		1504	ARCD	1	5.57	90.58	87.3	81.79			n/a	
kug_04	w2a_013		1505	ARCD	1	5.9	99.12	96.33	90.28			n/a	
kug_04	w2a_013		1506	ARCD	1	4.26	87.26	84.99	79.42			n/a	
kug_04	w2a_013		1507	ARCD	1	4.92	87.04	84.54	78.63			n/a	
kug_04	w2a_013		1508	ARCD	1	4.62	87.21	83.76	80.49			n/a	
kug_04	w2a_013		1509	ARCD	1	4.05	84.8	81.98	76.14			n/a	
kug_04	w2a_013		1510	ARCD	1	3.04	76.97	74.48	69.76			n/a	
kug_04	w2a_013		1511	ARCD	1	3.37	81.71	79.72	75.25			n/a	
kug_04	w2a_013		1512	ARCD	1	5.23	93.33	90.32	85.03			n/a	
kug_04	w2a_013		1513	ARCD	1	13.639	130.13	123.36	117.06		0.309	2	2
kug_04	w2a_013		1514	ARCD	1	14.58	132.58	127.53	119.01		0.553	1	7
kug_04	w2a_013		1515	ARCD	1	7.04	95.91	93.44	87.13			n/a	
kug_04	w2a_013		1516	ARCD	1	6.21	99.52	96.44	89.85			n/a	
kug_04	w2a_013		1517	ARCD	1	7.33	106.88	103.09	96.65			n/a	
kug_04	w2a_013		1518	ARCD	1	4.8	92.73	90.44	85.03		0.058	2	1
kug_04	w2a_013		1519	ARCD	1	2.48	71.52	69.39	65.67			n/a	
kug_04	w2a_013		1520	ARCD	1	3.05	74.63	73.15	68.76			n/a	
kug_04	w2a_013		1521	ARCD	1	3.47	80.08	77.3	72.39			n/a	
kug_04	w2a_013		1522	ARCD	1	2.72	76.26	74.75	69.87			n/a	
kug_04	w2a_013		1523	ARCD	1	4.42	86.05	85.14	79.29			n/a	
kug_04	w2a_013		1524	ARCD	1	5.99	95.84	92.9	86.29			n/a	
kug_04	w2a_013		1525	ARCD	1	4.65	85.87	84.21	78.67			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1526	ARCD	1	4.46	88.01	85.3	81.6			n/a	
kug_04	w2a_013		1527	ARCD	1	4.44	85.99	83.18	77.43			n/a	
kug_04	w2a_013		1528	ARCD	1	4.12	85.08	82.01	77.08			n/a	
kug_04	w2a_013		1529	ARCD	1	4.1	85.3	83.12	77.22			n/a	
kug_04	w2a_013		1530	ARCD	1	4.32	84.05	82.59	77.29			n/a	
kug_04	w2a_013		1531	ARCD	1	4.45	87.62	85.31	79.91			n/a	
kug_04	w2a_013		1532	ARCD	1	4.17	85.07	81.35	75.48			n/a	
kug_04	w2a_013		1533	ARCD	1	4.52	88.06	86.13	80.56			n/a	
kug_04	w2a_013		1534	ARCD	1	4.5	92.88	86.69	84.08			n/a	
kug_04	w2a_013		1535	ARCD	1	3.93	84.45	81.48	77.99			n/a	
kug_04	w2a_013		1536	ARCD	1	5.06	89.29	87	81.46			n/a	
kug_04	w2a_013		1537	ARCD	1	4.88	89.69	87.26	82.16			n/a	
kug_04	w2a_013		1538	ARCD	1	5.63	90.23	87.65	82.22			n/a	
kug_04	w2a_013		1539	ARCD	1	3.82	82.93	81.17	76.04			n/a	
kug_04	w2a_013		1540	ARCD	1	5.27	91.23	89.24	84.08			n/a	
kug_04	w2a_013		1541	ARCD	1	5.06	92.16	89.23	84.49			n/a	
kug_04	w2a_013		1542	ARCD	1	5.94	97.09	94.25	88.12			n/a	
kug_04	w2a_013		1543	ARCD	1	6.16	98.73	95.04	89.06			n/a	
kug_04	w2a_013		1544	ARCD	1	12.34	121.77	117.65	110.08			n/a	
kug_04	w2a_013		1545	ARCD	1	6.79	96.59	93.21	88.26			n/a	
kug_04	w2a_013		1546	ARCD	1	9.42	103.58	102.14	95			n/a	
kug_04	w2a_013		1547	ARCD	1	7.66	107.79	104.29	97.2			n/a	
kug_04	w2a_013		1548	ARCD	1	5.74	95.88	93.48	88.13			n/a	
kug_04	w2a_013		1549	ARCD	1	4.64	86.5	85.12	79.23			n/a	
kug_04	w2a_013		1550	ARCD	1	5.45	93.65		86.86			n/a	
kug_04	w2a_013		1551	ARCD	1	7.45	100.41	96.3	89.45			n/a	
kug_04	w2a_013		1552	ARCD	1	5.9	94.94	92.83	88.04			n/a	
kug_04	w2a_013		1553	ARCD	1	6.95	100.04	97.56	91.67			n/a	
kug_04	w2a_013		1554	ARCD	1	5.35	85.61	83.28	78.24		0.108	1	6
kug_04	w2a_013		1555	ARCD	1	5.06	87.02	85.15	79.04			n/a	
kug_04	w2a_013		1556	ARCD	1	4.924	89.04	84.21	81.11			n/a	
kug_04	w2a_013		1557	ARCD	1	4.728	89.22	86.4	80.82		0.092	1	6
kug_04	w2a_013		1558	ARCD	1	4.5	84.89	83.38	77.82			n/a	
kug_04	w2a_013		1559	ARCD	1	4.67	88.1	86.07	80.29			n/a	
kug_04	w2a_013		1560	ARCD	1	3.45	82.73	80.35	74.88			n/a	
kug_04	w2a_013		1561	ARCD	1	3.39	76.02	73.78	68.85			n/a	
kug_04	w2a_013		1562	ARCD	1	4.18	82.86	80.83	76.53			n/a	
kug_04	w2a_013		1563	ARCD	1	3.51	75.27	74.61	71.71		0.054	2	1
kug_04	w2a_013		1564	ARCD	1	3.37	78.82	76.3	71.56			n/a	
kug_04	w2a_013		1565	ARCD	1	2.84	80.96	79.33	73.61			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_04	w2a_013		1566	ARCD	1	3.11	80.45	77.36	73.61			n/a	
kug_04	w2a_013		1567	ARCD	1	3.82	81.5	78.87	73.42			n/a	
kug_04	w2a_013		1568	ARCD	1	3.72	78.76	74.59	69.88			n/a	
kug_04	w2a_013		1569	ARCD	1	4.01	82.99	80.26	75.08			n/a	
kug_04	w2a_013		1570	ARCD	1	3.12	77.49	75.15	70.77			n/a	
kug_04	w2a_013		1571	ARCD	1	0.213	39.79	38.18	34.67			n/a	
kug_04	w2a_013		1572	ARCD	1	4.27	86.87	83.89	79.37			n/a	
kug_04	w2a_013		1573	ARCD	1	14.73	114.94	110.23	105.32		0.328	1	6
kug_04	w2a_013		1574	ARCD	1	4.41	86.53	84.1	78.77			n/a	
kug_04	w2a_013		1575	ARCD	1	3.3	78.07	75.44	70.6			n/a	
kug_04	w2a_013		1576	ARCD	1	3.43	79.59	77.43	73.38		0.059	1	6
kug_04	w2a_013		1577	ARCD	1	4.46	80.96	78.74	72.97			n/a	
kug_04	w2a_013		1578	ARCD	1	5.7	93.77	89.32	85.22			n/a	
kug_04	w2a_013		1579	ARCD	1	3.2	79.86	78.3	73.55			n/a	
kug_04	w2a_013		1580	ARCD	1	0.393	42.89	41.36	38.44			0	Unknown
kug_04	w2a_013		1581	ARCD	1	0.42	42.32	41.11	38.18		0	2	1
kug_04	w2a_013		1582	ARCD	1	0.128						0	Unknown
kug_04	w2a_013		1583	SCEP	1	4.719	103		100.47			0	Unknown
kug_04	w2a_013		1584	SCEP	1	1.332	73.14		71.84			0	Unknown
kug_04	w2a_013		1585	DLEP	1	1.484	74.21		72.95			n/a	
kug_04	w2a_013		1586	SCEP	1	1.792	82.66		81.16			0	Unknown
kug_04	w2a_013		1587	LEEP	1	1.805	74.09		72.27			0	Unknown
kug_04	w2a_013		1588	ADEP	1	0.253	48.46		47.09			0	Unknown
kug_04	w2a_013		1589	LEEP	1	0.463	50.26		48.42			0	Unknown
kug_04	w2a_013		1590	GLSS	1	2.867					0.012	2	1
kug_05	w2a_014_015		1591	ARCD	1	29.58	167.37	159.93	149.97			n/a	
kug_05	w2a_014_015		1592	ARCD	1	16.7	137.02	132.87	124.95			n/a	
kug_05	w2a_014_015		1593	ARCD	1	23.9	160.99	152.19	143.79		0.644	2	2
kug_05	w2a_014_015		1594	ARCD	1	23.46	155.16	149.47	139.86			n/a	
kug_05	w2a_014_015		1595	ARCD	1	13.26	125.85	122.46	115.63		0.341	2	2
kug_05	w2a_014_015		1596	ARCD	1	17.09	137.86	133.67	126.78			n/a	
kug_05	w2a_014_015		1597	ARCD	1	4.13	87.1	83.45	78.96			n/a	
kug_05	w2a_014_015		1598	ARCD	1	34.373	170.6	163.03	152.53	1.409	0.983	2	2
kug_05	w2a_014_015		1599	ARCD	1	21.5	148.23	143.89	134.91			n/a	
kug_05	w2a_014_015		1600	ARCD	1	14.756	138.48	135.63	126.16	0.721	0.471	2	2
kug_05	w2a_014_015		1601	ARCD	1	3.13	78.22	75.55	71.46		0.036	2	1
kug_05	w2a_014_015		1602	ARCD	1	19.58	138.22	132.9	125.4			n/a	
kug_05	w2a_014_015		1603	ARCD	1	17.56	145.78	141.07	133.36		0.336	2	1
kug_05	w2a_014_015		1604	ARCD	1	32.71	167.46	164.44	155.64		1.461	1	6.5
kug_05	w2a_014_015		1605	ARCD	1	13.43	132.38	128.82	120.73			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_05	w2a_014_015		1606	ARCD	1	25.757	155.22	148.35	140.82	1.403	0.696	2	2
kug_05	w2a_014_015		1607	ARCD	1	17.53	150.69	148.33	137.39			n/a	
kug_05	w2a_014_015		1608	ARCD	1	17.14	139.01	133.5	125.9		0.471	2	2
kug_05	w2a_014_015		1609	ARCD	1	7.319	99.11	96.87	94.09	0.337	0.172	1	7
kug_05	w2a_014_015		1610	ARCD	1	26.17	162.62	155.42	148.36		0.803	2	2
kug_05	w2a_014_015		1611	ARCD	1	5.35	90.02	87.52	83.1		0.077	1	6
kug_05	w2a_014_015		1612	ARCD	1	17.45	143.24	137.73	129.24			n/a	
kug_05	w2a_014_015		1613	ARCD	1	21.55	149.66	142.85	135.65		0.766	1	7
kug_05	w2a_014_015		1614	ARCD	1	6.04	91.56	89.06	83.4		0.01	1	6
kug_05	w2a_014_015		1615	ARCD	1	10.24	115.55	110.42	103.73			n/a	
kug_05	w2a_014_015		1616	ARCD	1	3.775	84.29	82.29	77.25	0.12	0.064	1	6
kug_05	w2a_014_015		1617	ARCD	1	9.92	114.36	110.68	104.28			n/a	
kug_05	w2a_014_015		1618	ARCD	1	2.29	72.62	69.11	66.56		0.02	2	2
kug_05	w2a_014_015		1619	ARCD	1	3.97						n/a	
kug_05	w2a_014_015		1620	ARCD	1	10.31	114.6	111.24	103.26			n/a	
kug_05	w2a_014_015		1621	ARCD	1	19.51	143.38	138.16	129.01			n/a	
kug_05	w2a_014_015		1622	ARCD	1	19.29	143.79	138.56	131.2		0.785	1	7
kug_05	w2a_014_015		1623	ARCD	1	21.37	145.36	139.9	131.93			n/a	
kug_05	w2a_014_015		1624	ARCD	1	8.88	114.18	110.14	102.56		0.247	2	2
kug_05	w2a_014_015		1625	ARCD	1	13.81	133.45	129.04	121.19			n/a	
kug_05	w2a_014_015		1626	ARCD	1	13.35	129.99	125.48	118.4			n/a	
kug_05	w2a_014_015		1627	ARCD	1	35.4	172.53	166.56	157.63		1.413	1	7
kug_05	w2a_014_015		1628	ARCD	1	4.75	94.54	92.18	85.71			n/a	
kug_05	w2a_014_015		1629	ARCD	1	6	99.3	96.03	89.76			n/a	
kug_05	w2a_014_015		1630	ARCD	1	13.52	126.89	123.67	115.77		0.535	1	7
kug_05	w2a_014_015		1631	ARCD	1	15.62	132.22	127.27	119.25			n/a	
kug_05	w2a_014_015		1632	ARCD	1	3.99	86.58	84.48	79.88		0.055	1	6
kug_05	w2a_014_015		1633	ARCD	1	15.82	137.42	133.13	125.38			n/a	
kug_05	w2a_014_015		1634	ARCD	1	18.53	144.38	139.04	129.85			n/a	
kug_05	w2a_014_015		1635	ARCD	1	31.5	168.18		153.11			n/a	
kug_05	w2a_014_015		1636	ARCD	1	20.59	155.17	149.41	142.6		0.502	1	7
kug_05	w2a_014_015		1637	ARCD	1	17.6	140.84	135.27	126.92			n/a	
kug_05	w2a_014_015		1638	ARCD	1	20.278	148.34	141.36	132.72	1.036	0.63	2	2
kug_05	w2a_014_015		1639	ARCD	1	15.71	143.21	134.78	127.79			n/a	
kug_05	w2a_014_015		1640	ARCD	1	15.077	127.37	123.87	116.88	0.422	0.548	1	7
kug_05	w2a_014_015		1641	ARCD	1	11.19	114.93	111.91	105.27		0.277	2	2
kug_05	w2a_014_015		1642	ARCD	1	14.97	131.11	128.53	119.99			n/a	
kug_05	w2a_014_015		1643	ARCD	1	10.797	117.02	113.69	107.52	0.49	0.104	1	6
kug_05	w2a_014_015		1644	ARCD	1	7.02	105.28	102.17	95.47			n/a	
kug_05	w2a_014_015		1645	ARCD	1	4.22	87.1	84.68	79.2			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_05	w2a_014_015		1646	ARCD	1	15.5	139.71	136.18	129.43			n/a	
kug_05	w2a_014_015		1647	ARCD	1	7.23	104.03	100.3	95.85			n/a	
kug_05	w2a_014_015		1648	ARCD	1	5.11	93.75	90.15	84.14			n/a	
kug_05	w2a_014_015		1649	ARCD	1	6.11	101.48		93.2			n/a	
kug_05	w2a_014_015		1650	ARCD	1	6.36	104.07	100.67	94.42		0.091	2	1
kug_05	w2a_014_015		1651	ARCD	1	8.307	108.44	104.88	99.27		0.076	2	2
kug_05	w2a_014_015		1652	ARCD	1	3.43	81.84	79.54	75.8		0.038	1	6
kug_05	w2a_014_015		1653	ARCD	1	12.65	126.84	122.12	113.89		0.294	2	1
kug_05	w2a_014_015		1654	ARCD	1	5.32	93.92	91.45	85.65			n/a	
kug_05	w2a_014_015		1655	ARCD	1	3.208	78.39	76.61	72.47	0.077	0.047	1	7
kug_05	w2a_014_015		1656	ARCD	1	3.15	78.08	75.94	70.64			n/a	
kug_05	w2a_014_015		1657	ARCD	1	6.17	92.02	89.23	84.07	0.018	0.048	1	6
kug_05	w2a_014_015		1658	ARCD	1	4.33	88.85	86.87	80.68			n/a	
kug_05	w2a_014_015		1659	ARCD	1	3.33	83.23		76.22			n/a	
kug_05	w2a_014_015		1660	GLSS	1	25.448			114.35		0.276	2	2
kug_05	w2a_014_015		1661	GLSS	1	45.47			143.62		0.14	1	6.5
kug_05	w2a_014_015		1662	GLSS	1	32.739	148.06		126.58		0.26	1	6.5
kug_05	w2a_014_015		1663	GLSS	1	17.888			100.57		0.347	2	2
kug_05	w2a_014_015		1664	KPSF	1	39.844	161.91		141.41		0.663	2	1
kug_05	w2a_014_015		1665	GLSS	1	37.104	147.51		134.41			n/a	
kug_05	w2a_014_015		1666	KPSF	1	21.655	131.36		113.11		0.545	2	1
kug_05	w2a_014_015		1667	KPSF	1	43.25	156.21		137.4		0.527	2	2
kug_05	w2a_014_015		1668	KPSF	1	61.765	164.08		140.25		0.213	1	7
kug_05	w2a_014_015		1669	KPSF	1	5.313	86.49		72.83			0	Unknown
kug_05	w2a_014_015		1670	GLSS	1	9.358			89.5			n/a	
kug_05	w2a_014_015		1671	KPSF	1	1.621	62.72		53.98		0.005	2	1
kug_05	w2a_014_015		1672	GLLF	1	4.362		73.51	70.8		0.119	1	7
kug_05	w2a_014_015		1673	GLLF	1	3.417		65.49	62.99			0	Unknown
kug_05	w2a_014_015		1674	SPSC	1	14.678	106.57		85.57		0.069	1	6
kug_05	w2a_014_015		1675	LEEP	1	504	438		422		0.392	1	6 or 9
kug_05	w2a_014_015		1676	ACEP	1	80.949	268		263			n/a	
kug_05	w2a_014_015		1677	LEEP	1	49.247	201.11		194.44		0.118	2	1
kug_05	w2a_014_015		1678	ACEP	1	18.696	163.65		160.3			n/a	
kug_05	w2a_014_015		1679	ADEP	1	16.031	170.76		163.54		0.04	1	6
kug_05	w2a_014_015		1680	ADEP	1	9.946	150.54		145.18		0.002	1	6
kug_05	w2a_014_015		1681	ADEP	1	6.344	134.93		131.32		0.019	2	1
kug_05	w2a_014_015		1682	ADEP	1	10.891	147.15		141.38		0.018	1	6
kug_05	w2a_014_015		1683	LEEP	1	1.661	77.15		74.8		0.001	2	1
kug_05	w2a_014_015		1684	LEEP	1	1.149	71.63		68.82		0.001	2	1
kug_05	w2a_014_015		1685	ADEP	1	0.377	51.7		49.44			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_05	w2a_014_015		1686	AREP	1	0.414	51.46		50.3			0	Unknown
kug_05	w2a_014_015		1687	PAEP	1	0.566	62.63		61.05			0	Unknown
kug_05	w2a_014_015		1688	LEEP	1	0.621	57.97		55.14		0.001	1	6
kug_05	w2a_014_015		1689	LEEP	1	0.416	51.9		49.7			0	Unknown
kug_05	w2a_014_015		1690	AREP	1	0.428	53.21		50.53			0	Unknown
kug_05	w2a_014_015		1691	LEEP	1	0.367	50.36		48.7			0	Unknown
kug_05	w2a_014_015		1692	LEEP	1	0.524	53.38		51.87			0	Unknown
kug_05	w2a_014_015		1693	LEEP	1	0.394	49.56		47.77		0.001	2	1
kug_05	w2a_014_015		1694	SCEP	1	0.319	51.76		50.41			0	Unknown
kug_05	w2a_014_015		1695	AREP	1	0.462	51.11		49.62			0	Unknown
kug_05	w2a_014_015		1696	AREP	1	0.396	50.14		48.43			0	Unknown
kug_05	w2a_014_015		1697	PLSC	1	6.393	80.62					n/a	
kug_05	w2a_014_015		1698	PLSC	1	2.405	57.92					n/a	
kug_05	w2a_014_015		1699	EGGC	1								
kug_05	w2a_014_015		1700	EGGC	1								
kug_05	w2a_014_015		1701	GLHB	1	892	585		524		2.854	2	1
kug_05	w2a_014_015		1702	GLHB	1	507	400		348			n/a	
kug_05	w2a_014_015		1703	GLHB	1	660	441		389		1.138	1	6
kug_05	w2a_014_015		1704	GLHB	1	1168	497		433		20.857	1	7
kug_05	w2a_014_015		1705	GLHB	1	704	437		383			n/a	
kug_05	w2a_014_015		1706	GLHB	1	764	458		399		1.849	2	1
kug_05	w2a_014_015		1707	GLHB	1	677	447		393		1.931	2	1
kug_05	w2a_014_015		1708	GLHB	1	1105	518		449		4.385	2	1
kug_05	w2a_014_015		1709	GLHB	1	4262	779		672		332	2	2
kug_05	w2a_014_015		1710	ARSK	1	52	191.77					1	skate 1
kug_05	w2a_014_015		1711	ARSK	1	5183	814			532	344	2	skate 3
kug_05	bbt_013		1712	PLSC	1	152.015	216					n/a	
kug_05	bbt_013		1713	ACEP	1	20.78	174.72		172.09			n/a	
kug_05	bbt_013		1714	LEEP	1	0.549	54.68		52.18		0.001	2	1
kug_05	bbt_013		1715	AREP	1	0.544	53.49		51.3		0.001	1	6
kug_05	bbt_013		1716	SCEP	1	0.505	54.19		51.93			0	Unknown
kug_05	bbt_013		1717	UNCASP	1	2.556	85.45		79.36			n/a	
kug_06	w2a_016		1718	GLHB	1	1083	495		428		3.239	2	1
kug_06	w2a_016		1719	GLHB	1	558	405		352		1.971	2	1
kug_06	w2a_016		1720	GLHB	1	987	482		423		2.889	2	1
kug_06	w2a_016		1721	GLHB	1	1059	496		428		1.893	1	6
kug_06	w2a_016		1722	GLHB	1	797	452		394		2.415	2	1
kug_06	w2a_016		1723	GLHB	1	629	431		375		2.027	2	1
kug_06	w2a_016		1724	GLHB	1	2701	622		548		13.522	2	2
kug_06	w2a_016		1725	ADEP	1	0.826	71.36		68.19		0.003	0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_06	w2a_016		1726	ADEP	1	0.369	58.09		56.1			0	Unknown
kug_06	w2a_016		1727	ADEP	1	1.721	84.51		81.87		0.001	1	6
kug_06	w2a_016		1728	ADEP	1	10.038	140.42		134.86		0.001	1	6
kug_06	w2a_016		1729	ADEP	1	11.671	155.76		150.35		0.013	1	6
kug_06	w2a_016		1730	ADEP	1	7.915					0.003	1	6
kug_06	w2a_016		1731	ADEP	1	15.179	163.54		155.61		0.013	1	6
kug_06	w2a_016		1732	ADEP	1	0.233	48.35		46			0	Unknown
kug_06	w2a_016		1733	SCEP	1	1.124	68.07		65.27		0.001	1	6
kug_06	w2a_016		1734	ADEP	1	3.377	101.39		97.43		0.005	1	6
kug_06	w2a_016		1735	AREP	1	0.761	64.06		61.66		0.001	1	6
kug_06	w2a_016		1736	LEEP	1	2.673	90.05		87.68		0.001	1	6
kug_06	w2a_016		1737	GLSS	1	27.815			139.19		0.33	1	6
kug_06	w2a_016		1738	GLSS	1	36.691	145.07		122.05		0.5	2	1.5
kug_06	w2a_016		1739	KPSF	1	55.878					0.435	1	7
kug_06	w2a_016		1740	GLSS	1	58.02			158.15			n/a	
kug_06	w2a_016		1741	ARCD	1	1.796	67.62	64.67	61.64	0.029	0.011	2	1
kug_06	w2a_016		1742	ARCD	1	3.944	83	80.6	77.75	0.15	0.083	1	6
kug_06	w2a_016		1743	ARCD	1	5.357	90.06	87.77	83.52	0.134	0.036	2	6
kug_06	w2a_016		1744	ARCD	1	19.863	140.11	135.54	128.33	1.301	0.525	2	2
kug_07	w2a_017		1745	GLSS	1	26.556	154.05		146		0.526	1	7
kug_07	w2a_017		1746	GLSS	1	60.858					2.969	2	1
kug_07	w2a_017		1747	GLSS	1	62.838			182.57		4.653	2	2
kug_07	w2a_017		1748	GLSS	1	69.201					1.555	2	1
kug_07	w2a_017		1749	GLSS	1	65.313	177.04		160.6			n/a	
kug_07	w2a_017		1750	GLSS	1	82.203	191.62		166.88		0.519	1	7
kug_07	w2a_017		1751	GLSS	1	45.782					0.187	1	6
kug_07	w2a_017		1752	GLSS	1	111.058					0.411	1	6
kug_07	w2a_017		1753	ADEP	1	4.263	107.08		104.18		0.001	2	1
kug_07	w2a_017		1754	ADEP	1	0.5	64.66		62.36			0	Unknown
kug_07	w2a_017		1755	ADEP	1	0.733	77.14		73.96			0	Unknown
kug_07	w2a_017		1756	ADEP	1	0.503	63.49		60.92			0	Unknown
kug_07	w2a_017		1757	ADEP	1	0.383	61.42		59.72			0	Unknown
kug_07	w2a_017		1758	ADEP	1	0.427	61.2		59.28			0	Unknown
kug_07	w2a_017		1759	ARSK	1	2305	625			290	91	2	skate 2
kug_07	w2a_017		1760	GLHB	1	1780	596		522		6.375	2	1
kug_07	w2a_017		1761	GLHB	1	1694	573		496		10.738	2	1
kug_07	w2a_017		1762	GLHB	1	1313	531		458		4.919	2	1
kug_07	w2a_017		1763	GLHB	1	1279	524		453		17.129	1	7
kug_07	w2a_017		1764	GLHB	1	1024	492		426		3.475	2	1
kug_07	w2a_017		1765	GLHB	1	803	478		416		2.614	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc1	mwt_004	1766	1766	ARCD	20							n/a	
kug_hc1	mwt_004		1767	ARCD	1	7.58	109.48	105.65	99.28		0.176	1	7
kug_hc1	mwt_004		1768	ARCD	1	3.73	85.89	82.57	77.69		0.047	2	1
kug_hc1	mwt_004		1769	ARCD	1	4.61	95.43	93.15	87.73			n/a	
kug_hc1	mwt_004		1770	ARCD	1	1.98	72.07	68.91	65.32			n/a	
kug_hc1	mwt_004		1771	ARCD	1	3.19	79.44	77.15	72.45			n/a	
kug_hc1	mwt_004		1772	ARCD	1	2.38	71.4	68.89	65.52			n/a	
kug_hc1	mwt_004		1773	ARCD	1	2.55	75.11	72.94	69.04			n/a	
kug_hc1	mwt_004		1774	ARCD	1	4.15	86.59	84.52	79.17		0.041	2	1
kug_hc1	mwt_004		1775	ARCD	1	4.38	87.55	84.24	79.71			n/a	
kug_hc1	mwt_004		1776	ARCD	1	2.26	72.78	70.65	67.62		0.014	1	6
kug_hc1	mwt_004		1777	ARCD	1	2.82	81.35	79.36	74.2			n/a	
kug_hc1	mwt_004		1778	ARCD	1	3.31	81.61	79.62	75.07			n/a	
kug_hc1	mwt_004		1779	ARCD	1	3.74	79.55	77.35	72.36			n/a	
kug_hc1	mwt_004		1780	ARCD	1	2.19	73.4	71.8	67.21			n/a	
kug_hc1	mwt_004		1781	ARCD	1	4.57	88.17	85.31	80.9		0.073	2	1
kug_hc1	mwt_004		1782	ARCD	1	4.64	89.4	86.55	81.2		0.134	1	7
kug_hc1	mwt_004		1783	ARCD	1	2.94	79.31	77.36	72.75			n/a	
kug_hc1	mwt_004		1784	ARCD	1	2.95	77.66	75.04	69.72			n/a	
kug_hc1	mwt_004		1785	ARCD	1	2.67	79.28	77.43	72.66			n/a	
kug_hc1	mwt_004		1786	ARCD	1	2.74	78.44	76.49	71.86			n/a	
kug_hc1	mwt_004		1787	ARCD	1	2.16	71.15	68.79	63.92			n/a	
kug_hc1	mwt_004		1788	ARCD	1	1.11	61.3	59.04	56.53		0.001	1	6
kug_hc1	mwt_004		1789	ARCD	1	2.48	72.28	69.86	66.76		0.031	1	6
kug_hc1	mwt_004		1790	ARCD	1	2.53	74.17	73.33	67.76			n/a	
kug_hc1	mwt_004		1791	ARCD	1	4.01	84.91	82.55	76.77		0.08	2	1
kug_hc1	mwt_004		1792	ARCD	1	4.89	88.89	86.41	82.1		0.018	1	6
kug_hc1	mwt_004		1793	ARCD	1	2.09	72.4	70.43	65.16			n/a	
kug_hc1	mwt_004		1794	ARCD	1	2.65	79.68	76.5	70.05			n/a	
kug_hc1	mwt_004		1795	ARCD	1	2.23	74.17	72.72	67.94			n/a	
kug_hc1	mwt_004		1796	ARCD	1	2.26	74.63	72.62	67.85			n/a	
kug_hc1	mwt_004		1797	ARCD	1	3.95	87.7	84.99	79.66		0.063	1	7
kug_hc1	mwt_004		1798	ARCD	1	1.3			58.68			n/a	
kug_hc1	mwt_004		1799	ARCD	1	3.99	82.94	81.19	76.29			n/a	
kug_hc1	mwt_004		1800	ARCD	1	3.64	79.18	77.37	73.8			n/a	
kug_hc1	mwt_004		1801	ARCD	1	3.63	83.76	80.83	76.82			n/a	
kug_hc1	mwt_004		1802	ARCD	1	5.04	93.15	89.74	84.07			n/a	
kug_hc1	mwt_004		1803	ARCD	1	3.44	82.69	79.82	74.84			n/a	
kug_hc1	mwt_004		1804	ARCD	1	3.56	84.21	80.54	75.77			n/a	
kug_hc1	mwt_004		1805	ARCD	1	2.51	78.39	75.7	71.15			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc1	mwt_004		1806	ARCD	1	1.9	71.61	69.44	65.06			n/a	
kug_hc1	mwt_004		1807	ARCD	1	5.41	96.8	94.61	88.69			n/a	
kug_hc1	mwt_004		1808	ARCD	1	1.22	66.96	64.11	60.92			n/a	
kug_hc1	mwt_004		1809	ARCD	1	0.93	60.75	59.7	55.89		0	0	Unknown
kug_hc1	mwt_004		1810	ARCD	1	1.99	70.46	67.4	65.38		0.01	1	6
kug_hc1	mwt_004		1811	ARCD	1	5.24	92.68	90.13	85.26			n/a	
kug_hc1	mwt_004		1812	ARCD	1	5.01	89.81	86.95	82.56		0.073	1	6
kug_hc1	mwt_004		1813	ARCD	1	1.63	63.77	61.71	58.95		0.009	1	6
kug_hc1	mwt_004		1814	ARCD	1	2.8	79.6	76.9	72.09			n/a	
kug_hc1	mwt_004		1815	ARCD	1	3.43	84.05	81.57	77.16			n/a	
kug_hc1	mwt_004		1816	ARCD	1	1.56	63.83	61.9	58.65			n/a	
kug_hc1	mwt_004		1817	ARCD	1	0.15	35.62	35.1	32.63			n/a	
kug_hc1	mwt_004		1818	ARCD	1	0.09	29.64	27.99	27.02			0	Unknown
kug_hc1	mwt_004		1819	ARCD	1	0.31	37.88	36.39	34.77			n/a	
kug_hc1	mwt_004		1820	ARCD	1	0.69	47.12	45.26	43.32			0	Unknown
kug_hc1	mwt_004		1821	ARCD	1	0.34	41.71	40.34	38.38			0	Unknown
kug_hc1	mwt_004		1822	ARCD	1	0.19	34.98	33.87	32.25			0	Unknown
kug_hc1	mwt_004		1823	ARCD	1	0.17	33.61	32.31	31			n/a	
kug_hc1	mwt_004		1824	ARCD	1	0.14	34.34					n/a	
kug_hc1	mwt_004		1825	GLSS	1	0.158				28.83		0	Unknown
kug_hc1	mwt_005	1826	1826	ARCD	178							n/a	
kug_hc2	mwt_006		1828	ARCD	1	2.03	72.27	70.6	65.87			n/a	
kug_hc2	mwt_006		1829	ARCD	1	2.37	73.32	71.76	67.67			n/a	
kug_hc2	mwt_006		1830	ARCD	1	1.99	70.93	68.35	64.84			n/a	
kug_hc2	mwt_006		1831	ARCD	1	3.13	83.22	80.81	75.76			n/a	
kug_hc2	mwt_006		1832	ARCD	1	2.55	76.5	73.8	70.53			n/a	
kug_hc2	mwt_006		1833	ARCD	1	2.48	77.43	75.03	70.87			n/a	
kug_hc2	mwt_006		1834	ARCD	1	3.821	86.7	84.18	79.5		0.075	2	1
kug_hc2	mwt_006		1835	ARCD	1	8.11	108.65	105.47	98.82			n/a	
kug_hc2	mwt_006		1836	ARCD	1	1.04						0	Unknown
kug_hc2	mwt_006		1837	ARCD	1	2.21	71.1	68.88	64.77			n/a	
kug_hc2	mwt_006		1838	ARCD	1	1.76	66.21	64.7	61.24			n/a	
kug_hc2	mwt_006		1839	ARCD	1	4.14	86.26	83.7	79.36		0.003	1	6
kug_hc2	mwt_006		1840	ARCD	1	5.32	90.97	88.33	82.88			n/a	
kug_hc2	mwt_006		1841	ARCD	1	3.07	84.2	81.94	77.27			n/a	
kug_hc2	mwt_006		1842	ARCD	1	3.71	82.74	80.27	76.02			n/a	
kug_hc2	mwt_006		1843	ARCD	1	2.99	74.89	73.63	68.95			n/a	
kug_hc2	mwt_006		1844	ARCD	1	3.58	86.42	84.1	79.17		0.068	1	6
kug_hc2	mwt_006		1845	ARCD	1	2.65	76.35	74.66	69.73			n/a	
kug_hc2	mwt_006		1846	ARCD	1	2.87	76.81	74.87	70.01			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc2	mwt_006		1847	ARCD	1	3.35	79.25	76.9	72.56			n/a	
kug_hc2	mwt_006		1848	ARCD	1	3.96	88.36	86.27	79.98			n/a	
kug_hc2	mwt_006		1849	ARCD	1	2.03	70.18	68.24	64.67		0.001	2	1
kug_hc2	mwt_006		1850	ARCD	1	4.4	85.2	82.82	77.64		0.046	1	6
kug_hc2	mwt_006		1851	ARCD	1	2.6	73.83	71.5	66.58			n/a	
kug_hc2	mwt_006		1852	ARCD	1	4.14	87.98	84.27	80.76		0.033	1	6
kug_hc2	mwt_006		1853	ARCD	1	9.33	112.02	107.88	102.55			n/a	
kug_hc2	mwt_006		1854	ARCD	1	2.21	74.06	71.66	66.87			n/a	
kug_hc2	mwt_006		1855	ARCD	1	2.5	73.84	72.84	68.09			n/a	
kug_hc2	mwt_006		1856	ARCD	1	3.36	85.27	82.01	77.18			n/a	
kug_hc2	mwt_006		1857	ARCD	1	3.51	80.31	77.95	72.57			n/a	
kug_hc2	mwt_006		1858	ARCD	1	3.16	81.8	79.24	73.75			n/a	
kug_hc2	mwt_006		1859	ARCD	1	3.87	85.36	81.71	78.82			n/a	
kug_hc2	mwt_006		1860	ARCD	1	2.27	72.05	70.16	64.66			n/a	
kug_hc2	mwt_006		1861	ARCD	1	2.83	79.07	77.55	72.05			n/a	
kug_hc2	mwt_006		1862	ARCD	1	3.37	81.76	79.31	74.61			n/a	
kug_hc2	mwt_006		1863	ARCD	1	3.01	84.32	80.92	76.39			n/a	
kug_hc2	mwt_006		1864	ARCD	1	3.5	82.69	79.59	75.66			n/a	
kug_hc2	mwt_006		1865	ARCD	1	4.1	87.82	86.05	81.28		0.041	2	1
kug_hc2	mwt_006		1866	ARCD	1	4.876	92.45	89.09	83.85		0.014	1	6
kug_hc2	mwt_006		1867	ARCD	1	35.49	180.19	173.56	162.81			n/a	
kug_hc2	mwt_006		1868	KPSF	1	0.275	38.15		31.05			0	Unknown
kug_hc2	mwt_006		1869	KPSF	1	3.613	75.78		66.3			0	Unknown
kug_hc2	mwt_006		1870	KPSF	1	2.144	67.36		57.95			0	Unknown
kug_hc2	mwt_006		1871	KPSF	1	2.078	62.81		55.76		0.006	2	1
kug_hc3	w2a_018		1872	ARCD	1	10.85	118.45	113.97	106.76			n/a	
kug_hc3	w2a_018		1873	ARCD	1	8.5	108.3	104.76	97.39			n/a	
kug_hc3	w2a_018		1874	ARCD	1	6.03	94.27	91.93	85.64			n/a	
kug_hc3	w2a_018		1875	ARCD	1	16.68	135.2	127.68	119.57			n/a	
kug_hc3	w2a_018		1876	ARCD	1	5.74	100.93	97.87	91.66			n/a	
kug_hc3	w2a_018		1877	ARCD	1	5.54	92.28	86.69	85.48			n/a	
kug_hc3	w2a_018		1878	ARCD	1	8.13	107.6	104.39	97.12			n/a	
kug_hc3	w2a_018		1879	ARCD	1	6.62	94.29	91.96	86.24			n/a	
kug_hc3	w2a_018		1880	ARCD	1	16.09	139.11	133.81	124.84		0.908	1	7
kug_hc3	w2a_018		1881	ARCD	1	6.27	95.64	91.94	87.43			n/a	
kug_hc3	w2a_018		1882	ARCD	1	8.34	107.93	103.46	98.02			n/a	
kug_hc3	w2a_018		1883	ARCD	1	6.01	93.88	90.19	84.17			n/a	
kug_hc3	w2a_018		1884	ARCD	1	5.91	93.04	90.33	84.51			n/a	
kug_hc3	w2a_018		1885	ARCD	1	4.25	84.94	82.69	77.85			n/a	
kug_hc3	w2a_018		1886	ARCD	1	12.65	124.6	119.67	111.39			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018		1887	ARCD	1	8.4	108.28	103.75	97.36			n/a	
kug_hc3	w2a_018		1888	ARCD	1	24.44	146.52	140.49	132.23			n/a	
kug_hc3	w2a_018		1889	ARCD	1	52.83	201.47	193.01	182.04		1.557	2	2
kug_hc3	w2a_018		1890	ARCD	1	14.9	129.12	125.22	119.44		0.479	1	7
kug_hc3	w2a_018		1891	ARCD	1	3.79	83.34	81.69	77.78		0.068	2	1
kug_hc3	w2a_018		1892	ARCD	1	17.9	146.91	142.41	134.84			n/a	
kug_hc3	w2a_018		1893	ARCD	1	14.98	134.13	129.06	121			n/a	
kug_hc3	w2a_018		1894	ARCD	1	12.1	117.18	113.38	105.36			n/a	
kug_hc3	w2a_018		1895	ARCD	1	9.26	115.43	110.42	103.63			n/a	
kug_hc3	w2a_018		1896	ARCD	1	13.87	134.66	129.2	121.29		0.547	1	7
kug_hc3	w2a_018		1897	ARCD	1	7.04	104.22	101.19	94.33			n/a	
kug_hc3	w2a_018		1898	ARCD	1	4.9	87.39	84.19	79.13			n/a	
kug_hc3	w2a_018		1899	ARCD	1	5.89	93.72	90.69	86.34			n/a	
kug_hc3	w2a_018		1900	ARCD	1	6.61	97.44	94.07	87.96			n/a	
kug_hc3	w2a_018		1901	ARCD	1	6.63	94.85	92.55	86.95			n/a	
kug_hc3	w2a_018		1902	ARCD	1	4.54	86.14	82.78	78.1			n/a	
kug_hc3	w2a_018		1903	ARCD	1	2.8	74.21	72.42	69.21		0.038	1	6
kug_hc3	w2a_018		1904	ARCD	1	5.89	95.12	90.28	86.33			n/a	
kug_hc3	w2a_018		1905	ARCD	1	4.41	89.62	85.59	81.12			n/a	
kug_hc3	w2a_018		1906	ARCD	1	4.79	88.81	86.01	81.66			n/a	
kug_hc3	w2a_018		1907	ARCD	1	6.71	100.9	98	92.87			n/a	
kug_hc3	w2a_018		1908	ARCD	1	4.44	86.16	83.02	80.21		0.065	2	1
kug_hc3	w2a_018		1909	ARCD	1	7.01	102.06	99.29	93.64			n/a	
kug_hc3	w2a_018		1910	ARCD	1	12	118.71	113.97	106.55			n/a	
kug_hc3	w2a_018		1911	ARCD	1	13.03	118.2	114.28	106.45			n/a	
kug_hc3	w2a_018		1912	ARCD	1	4.95	93.6	90.58	85.06			n/a	
kug_hc3	w2a_018		1913	ARCD	1	6.62	97.84	94.84	89.62			n/a	
kug_hc3	w2a_018		1914	ARCD	1	6.86	102.21	97.95	92.69			n/a	
kug_hc3	w2a_018		1915	ARCD	1	11.96	129.66	124.54	119.4		0.414	1	7
kug_hc3	w2a_018		1916	ARCD	1	12.12	114.57	110.57	104.52			n/a	
kug_hc3	w2a_018		1917	ARCD	1	10.4	114.65	111.73	104.1			n/a	
kug_hc3	w2a_018		1918	ARCD	1	4.62	89.91	86.12	81.69			n/a	
kug_hc3	w2a_018		1919	ARCD	1	9.93	120.07	116.51	108.71			n/a	
kug_hc3	w2a_018		1920	ARCD	1	5.62	98.47	94.86	90.06			n/a	
kug_hc3	w2a_018		1921	ARCD	1	10.36	112.04	107.97	100.88			n/a	
kug_hc3	w2a_018		1922	ARCD	1	13.6	123.89	119.66	110.84			n/a	
kug_hc3	w2a_018		1923	ARCD	1	4.63	87.26	84.42	80.17			n/a	
kug_hc3	w2a_018		1924	ARCD	1	2.81	77.8	75.21	71.06			n/a	
kug_hc3	w2a_018		1925	ARCD	1	8.97	103.07	100.51	94.52			n/a	
kug_hc3	w2a_018		1926	ARCD	1	7.82	103.63	100.84	94.71		0.157	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018		1927	ARCD	1	12.65	122.04	118.13	111.74			n/a	
kug_hc3	w2a_018		1928	ARCD	1	4.54	88.14	85.25	80.16		0.04	1	6
kug_hc3	w2a_018		1929	ARCD	1	21.61	157.22	150.98	144.1		1.201	1	7
kug_hc3	w2a_018		1930	ARCD	1	64.17	225	209	198		1.888	2	1
kug_hc3	w2a_018		1931	ARCD	1	6.72	104.51	100.9	95.12			n/a	
kug_hc3	w2a_018		1932	ARCD	1	32.95	174.18	160.05	149.03			n/a	
kug_hc3	w2a_018		1933	ARCD	1	7.16	99.64	96.71	90.96			n/a	
kug_hc3	w2a_018		1934	ARCD	1	4.21	90.62	87.89	82.38			n/a	
kug_hc3	w2a_018		1935	ARCD	1	17.85	138.08	133.56	125.39			n/a	
kug_hc3	w2a_018		1936	ARCD	1	5.94	98.82	96.36	90.42		0.019	1	6
kug_hc3	w2a_018		1937	ARCD	1	9.42	118.99	112.65	104.36		0.205	2	1
kug_hc3	w2a_018		1938	ARCD	1	11.22	120.55	117.57	109.18			n/a	
kug_hc3	w2a_018		1939	ARCD	1	5.04	93.43	91.54	85.48			n/a	
kug_hc3	w2a_018		1940	ARCD	1	4.28	87.15	84.02	78.55		0.038	2	1
kug_hc3	w2a_018		1941	ARCD	1	10.77	121.38	117.68	109.45			n/a	
kug_hc3	w2a_018		1942	ARCD	1	12.66	128.48	122.56	113.81			n/a	
kug_hc3	w2a_018		1943	ARCD	1	16.03	137.23	131.65	122.14		0.425	2	2
kug_hc3	w2a_018		1944	ARCD	1	18.78	144.15	139.4	130.74			n/a	
kug_hc3	w2a_018		1945	ARCD	1	4.98	90.03	86.47	80.31		0.031	1	6
kug_hc3	w2a_018		1946	ARCD	1	7.13	107.52	103.6	96.73			n/a	
kug_hc3	w2a_018		1947	ARCD	1	17.35	145.43	139.78	130.63			n/a	
kug_hc3	w2a_018		1948	ARCD	1	11.48	120.12	115.43	108.17			n/a	
kug_hc3	w2a_018		1949	ARCD	1	4.22	89.47	86.16	80.86		0.05	1	6
kug_hc3	w2a_018		1950	ARCD	1	13.76	129.51	124.95	117.42			n/a	
kug_hc3	w2a_018		1951	ARCD	1	8.43	101.37	97.96	92.22			n/a	
kug_hc3	w2a_018		1952	ARCD	1	16	131.58	128.31	121.06		0.378	2	2
kug_hc3	w2a_018		1953	ARCD	1	11.33	122.76	118.63	111.58			n/a	
kug_hc3	w2a_018		1954	ARCD	1	17.8	152.19	146.53	138.36		0.732	1	7
kug_hc3	w2a_018		1955	ARCD	1	13.57	130.56	126.59	118.44			n/a	
kug_hc3	w2a_018		1956	ARCD	1	4.99	93.77	90.59	85.58			n/a	
kug_hc3	w2a_018		1957	ARCD	1	2.82	76.42	73.63	69.54			n/a	
kug_hc3	w2a_018		1958	ARCD	1	9.68	116.18	114.36	107.19			n/a	
kug_hc3	w2a_018		1959	ARCD	1	5.16	91.14	88.76	83.28			n/a	
kug_hc3	w2a_018		1960	ARCD	1	9.29	114.02	110.23	103.4			n/a	
kug_hc3	w2a_018		1961	ARCD	1	15.55	142.02	135.99	127.95			n/a	
kug_hc3	w2a_018		1962	ARCD	1	9.7	114.92	111.91	102.29			n/a	
kug_hc3	w2a_018		1963	ARCD	1	12.3	125.02	120.52	112.95			n/a	
kug_hc3	w2a_018		1964	ARCD	1	35.22	174.46	166.76	155.37		1.088	2	1
kug_hc3	w2a_018		1965	ARCD	1	9.15	112.05	108.06	101.17			n/a	
kug_hc3	w2a_018		1966	ARCD	1	7.87	101.08	98	92.99		0.243	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018		1967	ARCD	1	16.16	133.76	129.68	122.77		0.883	1	7
kug_hc3	w2a_018		1968	ARCD	1	10.22	114.15	110.37	103.8			n/a	
kug_hc3	w2a_018		1969	ARCD	1	4.33	88.47	85.97	81.73			n/a	
kug_hc3	w2a_018		1970	ARCD	1	5.42	92.86	90.25	83.82			n/a	
kug_hc3	w2a_018		1971	ARCD	1	7.56	97.29	94.76	88.04			n/a	
kug_hc3	w2a_018		1972	ARCD	1	4.07	85.53	83.1	78.44			n/a	
kug_hc3	w2a_018		1973	ARCD	1	5.06	92.47	89.03	83.74			n/a	
kug_hc3	w2a_018		1974	ARCD	1	7.93	104.4	99.87	93.45			n/a	
kug_hc3	w2a_018		1975	ARCD	1	7.9	101.16	98.22	91.83			n/a	
kug_hc3	w2a_018		1976	ARCD	1	8.45	104.59	101.54	95.88			n/a	
kug_hc3	w2a_018		1977	ARCD	1	8.27	106.57	102.04	95.58			n/a	
kug_hc3	w2a_018		1978	ARCD	1	9.3	110.18	107.07	99.84			n/a	
kug_hc3	w2a_018		1979	ARCD	1	9.64	113.56	108.53	102.79		0.268	1	6
kug_hc3	w2a_018		1980	ARCD	1	9.56	112.54	108.07	101.19			n/a	
kug_hc3	w2a_018		1981	ARCD	1	12.24	122.03	117.38	109.73			n/a	
kug_hc3	w2a_018		1982	ARCD	1	15.67	134.24	129.11	120.6			n/a	
kug_hc3	w2a_018		1983	ARCD	1	10.02	114.37	109.49	103.32			n/a	
kug_hc3	w2a_018		1984	ARCD	1	11.52	112.48	108.42	103.03			n/a	
kug_hc3	w2a_018		1985	ARCD	1	7.95	108.98	106.5	100.71			n/a	
kug_hc3	w2a_018		1986	ARCD	1	9.88	99.4	96.1	89.88			n/a	
kug_hc3	w2a_018		1987	ARCD	1	8.18	107.17	103.23	96.67			n/a	
kug_hc3	w2a_018		1988	ARCD	1	5.01	91.9	89.34	84.24			n/a	
kug_hc3	w2a_018		1989	ARCD	1	5.82	96.27	92.52	86.67			n/a	
kug_hc3	w2a_018		1990	ARCD	1	10.94	126.58	123.5	115.29			n/a	
kug_hc3	w2a_018		1991	ARCD	1	9.56	114.91	111.54	105.24			n/a	
kug_hc3	w2a_018		1992	ARCD	1	17.54	133.29	129	121.66		0.634	1	7
kug_hc3	w2a_018		1993	ARCD	1	14.42	137.85	132.41	123.3			n/a	
kug_hc3	w2a_018		1994	ARCD	1	11.24	121.62	117.61	109.89			n/a	
kug_hc3	w2a_018		1995	ARCD	1	3.27	80.63	77.88	73.13			n/a	
kug_hc3	w2a_018		1996	ARCD	1	4.7	90.74	88.63	83.73			n/a	
kug_hc3	w2a_018		1997	ARCD	1	4.16	96.91	84.08	78.02			n/a	
kug_hc3	w2a_018		1998	ARCD	1	18.91	138.85	133.13	125.53			n/a	
kug_hc3	w2a_018		1999	ARCD	1	5.97	92.49	89.56	84.73			n/a	
kug_hc3	w2a_018		2000	ARCD	1	4.94	93.42	90.49	83.81			n/a	
kug_hc3	w2a_018		2001	ARCD	1	14.65	126	121.14	114.4			n/a	
kug_hc3	w2a_018		2002	ARCD	1	12.69	124.33	119.69	112.9		0.418	1	6.5
kug_hc3	w2a_018		2003	ARCD	1	16.33	131.55	127.02	119.02		0.403	2	2
kug_hc3	w2a_018		2004	ARCD	1	17.8	141.57	136.37	128.05			n/a	
kug_hc3	w2a_018		2005	ARCD	1	9.29	112.55	108.66	102.12			n/a	
kug_hc3	w2a_018		2006	ARCD	1	11.98	129.41	125.91	118.6			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018		2007	ARCD	1	4.86	99.27	95.6	90.03			n/a	
kug_hc3	w2a_018		2008	ARCD	1	8.69	104.47	101.99	96.38			n/a	
kug_hc3	w2a_018		2009	ARCD	1	10.68	120.61	116.48	108.44			n/a	
kug_hc3	w2a_018		2010	ARCD	1	11.65	123.64	118.98	112.11			n/a	
kug_hc3	w2a_018		2011	ARCD	1	13.7	132.66	128.12	118.96		0.378	2	2
kug_hc3	w2a_018		2012	ARCD	1	7.55	101.96	99.04	92.72			n/a	
kug_hc3	w2a_018		2013	ARCD	1	13.71	130.55	127.15	118.92			n/a	
kug_hc3	w2a_018		2014	ARCD	1	6.43	101.83	98.12	91.98			n/a	
kug_hc3	w2a_018		2015	ARCD	1	18.85	144.1	137.49	128.6			n/a	
kug_hc3	w2a_018		2016	ARCD	1	10.55	121.78	117.18	109.41			n/a	
kug_hc3	w2a_018		2017	ARCD	1	6.27	97.54	94.17	87.93			n/a	
kug_hc3	w2a_018		2018	ARCD	1	4.62	88.54	86.81	81.06		0.116	2	1
kug_hc3	w2a_018		2019	ARCD	1	9.94	115.15	112.07	104.76			n/a	
kug_hc3	w2a_018		2020	ARCD	1	3.76	84.25	81.82	76.35			n/a	
kug_hc3	w2a_018		2021	ARCD	1	8.97	114.93	111.78	104.76			n/a	
kug_hc3	w2a_018		2022	ARCD	1	4.42	84.58	81.5	76.25		0.02	1	6
kug_hc3	w2a_018		2023	ARCD	1	8.97	112.07	108.76	101.4			n/a	
kug_hc3	w2a_018		2024	ARCD	1	4.13	85.46	83.16	78.53			n/a	
kug_hc3	w2a_018		2025	ARCD	1	3.93	85.95	83.46	77.87			n/a	
kug_hc3	w2a_018		2026	ARCD	1	5.56	97.02	94.49	89.22			n/a	
kug_hc3	w2a_018		2027	ARCD	1	16.76	134.93	130.48	122.44		0.734	1	7
kug_hc3	w2a_018		2028	ARCD	1	5.97	95.09	92.13	86.32			n/a	
kug_hc3	w2a_018		2029	ARCD	1	4.68	87.46	84.2	79.83		0.077	2	1
kug_hc3	w2a_018		2030	ARCD	1	8.26	106.06	101.55	94.23			n/a	
kug_hc3	w2a_018		2031	ARCD	1	11.59	118.88	114.98	106.81			n/a	
kug_hc3	w2a_018		2032	ARCD	1	10.86	124.46	119.03	113.08			n/a	
kug_hc3	w2a_018		2033	ARCD	1	8.78	110.85	107.32	100.93		0.118	2	1
kug_hc3	w2a_018		2034	ARCD	1	12.85	130.6	126.04	117.07			n/a	
kug_hc3	w2a_018		2035	ARCD	1	3.5	84.66	82.72	76.78			n/a	
kug_hc3	w2a_018		2036	ARCD	1	10.52	119.87	114.77	107.16			n/a	
kug_hc3	w2a_018		2037	ARCD	1	3.38	79.79	77.34	72.88		0.029	1	6
kug_hc3	w2a_018		2038	ARCD	1	3.64	84.65	81.32	76.4			n/a	
kug_hc3	w2a_018		2039	ARCD	1	6.13	99.84	97.48	90.7			n/a	
kug_hc3	w2a_018		2040	ARCD	1	10.06	114.42	110.39	103.22			n/a	
kug_hc3	w2a_018		2041	ARCD	1	3.59	84.3	81.35	76.67			n/a	
kug_hc3	w2a_018		2042	ARCD	1	18.81	141.95	136.48	127			n/a	
kug_hc3	w2a_018		2043	ARCD	1	11.75	123.14	118.78	110.02			n/a	
kug_hc3	w2a_018		2044	ARCD	1	6.33	99.42	96.25	89.67			n/a	
kug_hc3	w2a_018		2045	ARCD	1	4.87	92.01	89.47	82.78			n/a	
kug_hc3	w2a_018		2046	ARCD	1	8.8	98.03	95.31	89.02			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018		2047	ARCD	1	4.68	90.56	87.76	82.27			n/a	
kug_hc3	w2a_018		2048	ARCD	1	8.77	103.48	100.25	95.02			n/a	
kug_hc3	w2a_018		2049	ARCD	1	10.99	122.31	118.82	111.25			n/a	
kug_hc3	w2a_018		2050	ARCD	1	4.44	88.06	85.28	80.4			n/a	
kug_hc3	w2a_018		2051	ARCD	1	7.86	107.41	104.03	97.47			n/a	
kug_hc3	w2a_018		2052	ARCD	1	5.04	93.4	90.65	84.78			n/a	
kug_hc3	w2a_018		2053	ARCD	1	4.4	94.36	91.32	85.28			n/a	
kug_hc3	w2a_018		2054	ARCD	1	4.43	90.39	88.07	82.22			n/a	
kug_hc3	w2a_018		2055	ARCD	1	5.37	90.43	88.06	82.9			n/a	
kug_hc3	w2a_018		2056	ARCD	1	8.47	105.96	102.88	96.33			n/a	
kug_hc3	w2a_018		2057	ARCD	1	3.35	100.74	97.93	92.26			n/a	
kug_hc3	w2a_018		2058	ARCD	1	14.48	134.25	129.41	121.26			n/a	
kug_hc3	w2a_018		2059	ARCD	1	4.63	86.33	84.53	79.47			n/a	
kug_hc3	w2a_018		2060	ARCD	1	7.16	105.87	102.78	96.64			n/a	
kug_hc3	w2a_018		2061	ARCD	1	13.28	129.09	124.47	116.04			n/a	
kug_hc3	w2a_018		2062	ARCD	1	13.35	119.69	116.02	108.79			n/a	
kug_hc3	w2a_018		2063	ARCD	1	10.59	121.32	117	109			n/a	
kug_hc3	w2a_018		2064	ARCD	1	10.58	116.03	112.84	106.5			n/a	
kug_hc3	w2a_018		2065	ARCD	1	15.01	128.72	124.18	116.81			n/a	
kug_hc3	w2a_018		2066	ARCD	1	10.6	119.34	114.48	107.35			n/a	
kug_hc3	w2a_018		2067	ARCD	1	5.19	94.55	91.56	85.24			n/a	
kug_hc3	w2a_018		2068	ARCD	1	7.74	106.15	102.25	96.41			n/a	
kug_hc3	w2a_018		2069	ARCD	1	5.41	94.57	91.08	85.72			n/a	
kug_hc3	w2a_018		2070	ARCD	1	6.39	101.05	97.27	91.73			n/a	
kug_hc3	w2a_018		2071	ARCD	1	5.41	95.18	92.13	86.99		0.038	1	6
kug_hc3	w2a_018		2072	ARCD	1	4.174	87.36	84.49	79.57		0.025	1	6
kug_hc3	w2a_019	2125	2075	ARCD	1	6.188	101.19	97.51	91.83		0.085	2	2
kug_hc3	w2a_018		2093	SKSC	1	9.646	91.14		69.96			0	Unknown
kug_hc3	w2a_018		2094	GLHB	1	877	543		494			n/a	
kug_hc3	w2a_018		2095	GLHB	1	486	394		338		1.463	2	1
kug_hc3	w2a_018		2096	PAEP	1	23.762	179.53		176.28			n/a	
kug_hc3	w2a_018		2097	DLEP	1	6.924	123.39		119.64			n/a	
kug_hc3	w2a_018		2098	SCEP	1	5.734	115.58		113.69		0.017	2	1
kug_hc3	w2a_018		2099	LEEP	1	0.518	54.07		51.97		0.001	1	6
kug_hc3	w2a_018		2100	GLSS	1	4.667	84.13		72.62			n/a	
kug_hc3	w2a_018		2101	KPSF	1	0.651	47.27		41.88			0	Unknown
kug_hc3	w2a_018		2102	KPSF	1	0.58	46.47		37.77			0	Unknown
kug_hc3	w2a_018		2103	KPSF	1	0.506						0	Unknown
kug_hc3	w2a_018		2104	KPSF	1	0.755	46.43		42.16			n/a	
kug_hc3	w2a_018		2105	BISC	1							0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019		2130	BRFL	1	300	321		274		17.62	2	1
kug_hc3	w2a_019		2131	GLHB	1	630	440		387		1.602	2	1
kug_hc3	w2a_019		2132	GLHB	1	654	425		369		2.328	2	1
kug_hc3	w2a_019		2133	GLHB	1	629	440		382		1.62	2	1
kug_hc3	w2a_019		2134	LEEP	1	267	374		361			n/a	
kug_hc3	w2a_019	2135	2135	ARCD	1	0.186			33.74			n/a	
kug_hc3	w2a_019		2136	DLEP	1	32.07	193.67		187.18		0.216	1	6
kug_hc3	w2a_019		2137	LEEP	1	3.21	92.59		90.12		0.003	2	1
kug_hc3	w2a_019		2138	SCEP	1	1.232	73.27		72.46		0.001	1	6
kug_hc3	w2a_019		2139	SCEP	1	1.241	73.62		71.44		0.001	1	6
kug_hc3	w2a_019		2140	ACEP	1	1.902	82.48		80.41			n/a	
kug_hc3	w2a_019		2141	SKSC	1	1.94	54.31		43.95			0	Unknown
kug_hc3	w2a_019		2142	ARSS	1	0.169	32.04		26.94			0	Unknown
kug_hc3	w2a_019		2143	ARSS	1	0.203	31.04		25.58			0	Unknown
kug_hc3	w2a_019		2144	SETP	1	3.743	68.9		56.95			n/a	
kug_hc3	w2a_019		2145	KPSF	1	2.862	72.37		61.53			0	Unknown
kug_hc3	w2a_019		2146	KPSF	1	0.368	38.89		34.94			0	Unknown
kug_hc3	w2a_019		2147	KPSF	1	17.434	117.83		102.09		0.542	2	2
kug_hc3	w2a_019		2148	KPSF	1	13.686			98.72		0.001	0	Unknown
kug_hc3	w2a_019		2149	KPSF	1	0.407			37.44			0	Unknown
kug_hc4	mwt_009	2150	2150	ARCD	78							n/a	
kug_hc4	mwt_009	2151	2151	ARCD	80							n/a	
kug_hc4	mwt_009	2152	2152	UNLIPA	8								
kug_hc4	mwt_009	2153	2153	ARCD	113							n/a	
kug_hc4	mwt_009	2154	2154	ARCD	100							n/a	
kug_hc4	mwt_009	2155	2155	ARCD	100							n/a	
gry_01	bbt_014_015		2156	ARCD	1	0.343	40.68	38.7	37.04			0	Unknown
gry_01	bbt_014_015		2157	ARCD	1	0.69	50.14		46.49			n/a	
gry_01	bbt_014_015		2158	ARCD	1	0.2						0	Unknown
gry_01	bbt_014_015		2159	ARCD	1	0.52	45.22	44	41.21			n/a	
gry_01	bbt_014_015		2160	ARCD	1	0.34	41.34	39.43	38.35			0	Unknown
gry_01	bbt_014_015		2161	ARCD	1	1.42	62.04	60.05	56.01			n/a	
gry_01	bbt_014_015		2162	ARCD	1	2.67	72.64	70.53	65.97			n/a	
gry_01	bbt_014_015		2163	ARCD	1	1.08	56.86	54.36	52.38			n/a	
gry_01	bbt_014_015		2164	ARCD	1	3.451	82.1	79.81	74.12	0.106	0.078	1	7
gry_01	bbt_014_015		2165	STEB	1	1.003	69.7		61.3		0.003	1	6
gry_01	bbt_014_015		2166	STEB	1	0.15	43.73		39.27			0	Unknown
gry_01	bbt_014_015		2167	GLSS	1	0.359	42.07		39.73			0	Unknown
gry_01	bbt_014_015		2168	KPSF	1	0.529						0	Unknown
gry_01	bbt_014_015		2169	UNLISP	1	0.738			40.76			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_01	w2a_020		2170	ARCD	1	7.46	99.26	96.4	90.31		0.223	1	7
gry_01	w2a_020		2171	ARCD	1	8.299	105.99	103.59	95.95		0.215	2	1
gry_01	w2a_020		2172	ARCD	1	4.443	85.45	82.17	77.25	0.142	0.031	1	7
gry_01	w2a_020		2173	ARCD	1	5.02	93.17	90.89	84.55			n/a	
gry_01	w2a_020		2174	ARCD	1	5.22	89.52	87.09	82.12		0.052	1	6
gry_01	w2a_020		2175	ARCD	1	4.59	86.95	84.96	79.77			n/a	
gry_01	w2a_020		2176	ARCD	1	6.511	99.29	96.64	90.78		0.173	1	7
gry_01	w2a_020		2177	ARCD	1	8.396	109.06	105.72	99.35		0.322	1	7
gry_01	w2a_020		2178	ARCD	1	10.549	116.14	113.1	106.37	0.534	0.454	1	7
gry_01	w2a_020		2179	ARCD	1	5.31	94.66	90.86	83.96			n/a	
gry_01	w2a_020		2180	ARCD	1	3.26	80.77	79.01	74.45			n/a	
gry_01	w2a_020		2181	ARCD	1	4.1	87.17	85.8	80.92		0.089	1	6
gry_01	w2a_020		2182	ARCD	1	1.43	61.27	58.76	55.03			n/a	
gry_01	w2a_020		2183	ARCD	1	1.53	62.66	60.51	57.02			n/a	
gry_01	w2a_020		2184	ARCD	1	2.87	79.99	76.12	70.5			n/a	
gry_01	w2a_020		2185	ARCD	1	1.25	59.8	57.85	53.86			n/a	
gry_01	w2a_020		2186	ARCD	1	2.98	77.03	74.33	68.06			n/a	
gry_01	w2a_020		2187	ARCD	1	0.775	52.61	50.25	48.43			n/a	
gry_01	w2a_020		2188	ARCD	1	0.7	50.85	48.61	46.11			n/a	
gry_01	w2a_020		2189	ARCD	1	0.99	55.65	53.6	50.11			n/a	
gry_01	w2a_020		2190	ARCD	1	0.7	50.2	48.49	45.43			n/a	
gry_01	w2a_020		2191	ARCD	1	1.19	58.74	56.64	53.77			n/a	
gry_01	w2a_020		2192	ARCD	1	0.78	54.82	52.76	49.75			n/a	
gry_01	w2a_020		2193	ARCD	1	0.83	56.36	54.08	50.46			n/a	
gry_01	w2a_020		2194	ARCD	1	0.94	52.55	50.95	48.16		0.003	2	1
gry_01	w2a_020		2195	ARCD	1	0.8	53.47	52.23	48.01			n/a	
gry_01	w2a_020		2196	ARCD	1	0.42	42.02	39.94	38.74			0	Unknown
gry_01	w2a_020		2197	ARCD	1	3.48	82.81	80.75	76.64		0.071	1	7
gry_01	w2a_020		2198	ARCD	1	1.359	61.1	59.34	55.89			0	Unknown
gry_01	w2a_020		2199	ARCD	1	1.017	55.01		50.12	0.019		0	Unknown
gry_01	w2a_020		2200	ARCD	1	1.1	56.61	54.86	50.47			n/a	
gry_01	w2a_020		2201	ARCD	1	2.013	67.01	65.02	61.2	0.089		0	Unknown
gry_01	w2a_020		2202	ARCD	1	1.58	65.84	63.97	59.4			n/a	
gry_01	w2a_020		2203	ARCD	1	2.59	86.43	84.51	77.92			n/a	
gry_01	w2a_020		2204	ARCD	1	3.52	83.52	81.43	76.81			n/a	
gry_01	w2a_020		2205	ARCD	1	2.92	78.9	77.88	72.68			n/a	
gry_01	w2a_020		2206	ARCD	1	2.801	74.73	72.5	67.62	0.078	0.035	1	6
gry_01	w2a_020		2207	ARCD	1	4.23	87.66	85.99	79.95			n/a	
gry_01	w2a_020		2208	ARCD	1	4.52	88.53	86.17	80.54			n/a	
gry_01	w2a_020		2209	ARCD	1	2.801	75.43	73.54	69.72			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_01	w2a_020		2210	ARCD	1	2.98	76.89	73.77	70.29		0.042	2	1
gry_01	w2a_020		2211	ARCD	1	2.53	75.75	73.36	69.95		0.051	1	7
gry_01	w2a_020		2212	ARCD	1	4.882	89.33	86.76	81.13	0.258	0.259	1	7
gry_01	w2a_020		2213	ARCD	1	2.686			69.13			n/a	
gry_01	w2a_020		2214	ARCD	1	7.231	103.19	100.06	94.35		0.18	1	7
gry_01	w2a_020		2215	ARCD	1	4.545	85.94	84.27	79.77			n/a	
gry_01	w2a_020		2216	ARCD	1	3.132	74.66	72.09	68.96	0.095	0.034	1	6
gry_01	w2a_020		2217	ARCD	1	0.96	59.65	57.6	54.02			n/a	
gry_01	w2a_020		2218	ARCD	1	0.42	44.62	43.96	41.79			n/a	
gry_01	w2a_020		2219	ARCD	1	1.122	57.69	56.62	52.95			n/a	
gry_01	w2a_020		2220	ARCD	1	0.6	48.54	46.68	44.03			n/a	
gry_01	w2a_020		2221	ARCD	1	0.932	52.53	50.2	47.47	0.028		0	Unknown
gry_01	w2a_020		2222	ARCD	1	0.78	52.28	50.7	47.28			n/a	
gry_01	w2a_020		2223	ARCD	1	0.66	50.01	48.29	45.39			n/a	
gry_01	w2a_020		2224	ARCD	1	0.73	50.94	49.22	46.54			n/a	
gry_01	w2a_020		2225	ARCD	1	2.324	72.81	70.96	66.44			n/a	
gry_01	w2a_020		2226	ARCD	1	3.26	82.52	78.46	74.11			n/a	
gry_01	w2a_020		2227	ARCD	1	4.9	90.45	87.29	84.2			n/a	
gry_01	w2a_020		2228	ARCD	1	0.512	46.09	44.84	42.18			0	Unknown
gry_01	w2a_020		2229	ARCD	1	7.222	99.62	97.7	91.56		0.143	1	7
gry_01	w2a_020		2230	ARCD	1	1	55.9	54.34	51.28			n/a	
gry_01	w2a_020		2231	ARCD	1	0.721	46.71	45.09	43.66			n/a	
gry_01	w2a_020		2232	ARCD	1	1.57	59.91	57.28	55.77			0	Unknown
gry_01	w2a_020		2233	ARCD	1							n/a	
gry_01	w2a_020		2234	ARCD	1	1.35	60.53	58.72	54.94			n/a	
gry_01	w2a_020		2235	ARCD	1	0.858	54.36	51.79	49.74			n/a	
gry_01	w2a_020		2236	ARCD	1	5.046	89.96	87.81	83.08			n/a	
gry_01	w2a_020		2237	ARCD	1	1.04	57.74	55.78	52.82			n/a	
gry_01	w2a_020		2238	ARCD	1	4.95	91.65	89.56	82.66			n/a	
gry_01	w2a_020		2239	ARCD	1	2.35	73.77	70.39	66.8			n/a	
gry_01	w2a_020		2240	ARCD	1	2.22	66.19	63.06	59.9		0.042	2	1
gry_01	w2a_020		2241	ARCD	1	3.94	89.13	86.49	81.32			n/a	
gry_01	w2a_020		2242	ARCD	1	1.805	58.83	55.94	53.3	0.027	0.023	1	6
gry_01	w2a_020		2243	ARCD	1	1.14	55.83	53.85	50.83			n/a	
gry_01	w2a_020		2244	ARCD	1	0.9	57.39	54.88	51.37			n/a	
gry_01	w2a_020		2245	ARCD	1	0.72	53.45	51.29	48.42			n/a	
gry_01	w2a_020		2246	ARCD	1	0.83	51.48	49.62	47.41			n/a	
gry_01	w2a_020		2247	STEB	1	0.578	58.87		51.93			0	Unknown
gry_01	w2a_020		2248	STEB	1	0.767	64.03		55.44		0.001	0	Unknown
gry_01	w2a_020		2249	STEB	1	0.913	67.88		59.58		0.004	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_01	w2a_020		2250	STEB	1	0.976	71.76		61.93		0.002	1	6
gry_01	w2a_020		2251	STEB	1	0.609	56.18		50.1			0	Unknown
gry_01	w2a_020		2252	STEB	1	0.952	71		62.67			0	Unknown
gry_01	w2a_020		2253	STEB	1	1.279	75.68		67.17		0.011	1	6
gry_01	w2a_020		2254	STEB	1	1.198	73.51		64.29			n/a	
gry_01	w2a_020		2255	SLEB	1	0.19	50.11		45.04			n/a	
gry_01	w2a_020		2256	STEB	1	0.091	41.45		36.69			n/a	
gry_01	w2a_020		2257	ARSS	1	28.64	119.26		100.16		1.928	2	2
gry_01	w2a_020		2258	RBSC	1	0.752	48.6		42.16			0	Unknown
gry_01	w2a_020		2259	RBSC	1	0.73	47.39		41.54			0	Unknown
gry_01	w2a_020		2260	RBSC	1	0.636	45.28		40.3			0	Unknown
gry_01	w2a_020		2261	SPSC	1	3.682	68.03		56.53			0	Unknown
gry_01	w2a_020		2262	SPSC	1	4.589	76.46		64.9		0.342	2	2
gry_01	w2a_020		2263	SPSC	1	1.406	53.6		44.17		0.003	2	1
gry_01	w2a_020		2264	SPSC	1	4.702	74.41		63.23		0.433	2	2
gry_01	w2a_020	2265	2265	ARCD	47							n/a	
gry_01	w2a_020	2266	2266	UNLIPA	26								
gry_01	w2a_020	2267	2267	UNAGON	2								
gry_01	w2a_020	2268	2268	UNCOTT	7								
gry_01	w2a_020		2270	STEB	1	0.227	46.22		42.11			0	Unknown
gry_02	w2a_021		2271	ARCD	1	5.37	91.44	87.77	82.56			n/a	
gry_02	w2a_021		2272	ARCD	1	1.599	65.55	64.41	60.55	0.079		0	Unknown
gry_02	w2a_021		2273	ARCD	1	4.251	89.69	85.88	80.79	0.251	0.019	1	6
gry_02	w2a_021		2274	ARCD	1	2.2	70.64	68.19	64.81		0.026	2	1
gry_02	w2a_021		2275	ARCD	1	7.87	102.69	99.33	93.74		0.202	1	7
gry_02	w2a_021		2276	ARCD	1	9.268	108.65	105.84	99.78		0.592	1	7
gry_02	w2a_021		2277	ARCD	1	2.48	74.86	73.36	69.05			n/a	
gry_02	w2a_021		2278	ARCD	1	2.41	75.82	73.93	69.14		0.032	1	7
gry_02	w2a_021		2279	ARCD	1	11.482	112.21	109.2	103.11		0.135	1	7
gry_02	w2a_021		2280	ARCD	1	3.19	84.7	81.24	76.89		0.062	2	1
gry_02	w2a_021		2281	ARCD	1	16.229	124.17	118.99	113.98		0.308	1	7
gry_02	w2a_021		2282	ARCD	1	3.841	82.3	80.16	75.56	0.137	0.132	1	6
gry_02	w2a_021		2283	ARCD	1	16.533	127.46	122.68	116.03		0.324	2	2
gry_02	w2a_021		2284	ARCD	1	11.961	117.88	113.62	106.72		0.266	1	7
gry_02	w2a_021		2285	ARCD	1	6.61	98.35	95.98	90.51		0.143	2	1
gry_02	w2a_021		2286	ARCD	1	16.454	125.88	122.39	113.5		1.04	1	7
gry_02	w2a_021		2287	ARCD	1	7.18	95.01	90.9	87.44	0.195	0.079	2	1
gry_02	w2a_021		2288	ARCD	1	4.52	88.85	86.54	80.81			n/a	
gry_02	w2a_021		2289	ARCD	1	18.255	126.66	123.84	113.18		0.436	2	2
gry_02	w2a_021		2290	ARCD	1	4.66	90.86	88.74	82.73		0.056	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_02	w2a_021		2291	ARCD	1	4.5	85.78	84.7	79.86		0.061	2	1
gry_02	w2a_021		2292	ARCD	1	4.09	87.06	85.23	79.55			n/a	
gry_02	w2a_021		2293	ARCD	1	1.92	67.59	65.56	63.6			n/a	
gry_02	w2a_021		2294	ARCD	1	2.861	77.33	73.64	70.67	0.157	0.037	1	6
gry_02	w2a_021		2295	ARCD	1	2.47	74.7	71.67	68.69			n/a	
gry_02	w2a_021		2296	ARCD	1	1.44	63.07	60.94	57.46		0.026	2	1
gry_02	w2a_021		2297	ARCD	1	0.8						n/a	
gry_02	w2a_021		2298	ARCD	1	0.62	48.44	47.48	45.15			n/a	
gry_02	w2a_021		2299	ARCD	1	1.4	60.73	59.29	55.85			n/a	
gry_02	w2a_021		2300	ARCD	1	0.99	55.35	53.89	50.13			n/a	
gry_02	w2a_021		2301	ARCD	1	1.27	61.92	59.94	56.1			n/a	
gry_02	w2a_021		2302	ARCD	1	2.15	69.39	67	64.55			n/a	
gry_02	w2a_021		2303	ARCD	1	1.07	53.25	51.75	49.01			n/a	
gry_02	w2a_021		2304	ARCD	1	1.05	56.29	54.6	52.17			n/a	
gry_02	w2a_021		2305	ARCD	1	0.559	47.56	44.69	42.81	0.033		0	Unknown
gry_02	w2a_021		2306	ARCD	1	1.02	55.94	53.87	49.9			n/a	
gry_02	w2a_021		2307	ARCD	1	1.101	56.7	53.71	51.13	0.021		0	Unknown
gry_02	w2a_021		2308	ARCD	1	2.76	75.73	72.94	69.69			n/a	
gry_02	w2a_021		2309	ARCD	1	1.53	60.43	58.86	55.15			n/a	
gry_02	w2a_021		2310	ARCD	1	1.06	58.43	56.55	52.49			n/a	
gry_02	w2a_021		2311	ARCD	1	0.93	52.41	51	48.9			n/a	
gry_02	w2a_021		2312	ARCD	1	2.381	68.05	65.81	62.52	0.02	0.123	1	6
gry_02	w2a_021		2313	ARCD	1	0.96	52.85	50.67	48.99			n/a	
gry_02	w2a_021		2314	ARCD	1	0.72					0.001	2	1
gry_02	w2a_021		2315	ARCD	1	0.98	52.47	50.68	48			n/a	
gry_02	w2a_021		2316	ARCD	1	1.61			57.38		0.001	0	Unknown
gry_02	w2a_021		2317	ARCD	1	1.071	53.71	52.55	49.88			0	Unknown
gry_02	w2a_021		2318	ARCD	1	0.93	53.36	51.24	48.39			n/a	
gry_02	w2a_021		2319	ARCD	1	1.78	67.38	65.36	61.41		0.026	1	6
gry_02	w2a_021		2320	ARCD	1	1.366	56.08	54.03	52.67	0.041		0	Unknown
gry_02	w2a_021		2321	ARCD	1	1.14	55.21	54.27	51.2			n/a	
gry_02	w2a_021		2322	ARCD	1	1.12	57.7	55.45	52.98			0	Unknown
gry_02	w2a_021	2323	2323	ARCD	27							n/a	
gry_02	w2a_021		2324	ARAF	1	1.074	54.67		47.44		0.028	1	7
gry_02	w2a_021		2325	ARAF	1	0.943	54.4		47.31		0.001	1	7
gry_02	w2a_021		2326	ARAF	1	1.034	56.04		48.32			n/a	
gry_02	w2a_021		2327	ARAF	1	0.604	47.67		40.97		0.001	0	Unknown
gry_02	w2a_021		2328	ARAF	1	0.827	52.53		45.38		0.009	1	6
gry_02	w2a_021		2329	ARAF	1	1.152	54.68		47.42		0.035	1	7
gry_02	w2a_021		2330	ARAF	1	0.94	54.52		47.08		0.004	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_02	w2a_021		2331	ARAF	1	1.034	53.33		46.06		0.001	2	1
gry_02	w2a_021		2332	CAEP	1	9.584	126.75		122.82			n/a	
gry_02	w2a_021		2333	CAEP	1	4.735	101.98		99		0.06	2	2
gry_02	w2a_021		2334	UNLIPA	1	2.837	63.94		58.59			n/a	
gry_02	w2a_021		2335	KPSF	1	2.144			48.27		0.028	2	1
gry_02	w2a_021		2336	SLEB	1	0.84	72.28		65.21			n/a	
gry_02	bbt_016_017		2337	ARAF	1	0.669	49.92		43.04		0.015	2	1
gry_02	bbt_016_017		2338	ARAF	1	1.543	59.23		51.94		0.034	1	7
gry_02	bbt_016_017		2339	ARAF	1	1.305	56.95		49.57		0.035	2	2
gry_02	bbt_016_017		2340	ARAF	1	1.776	62.85		56.6			n/a	
gry_02	bbt_016_017		2341	ARAF	1	1.138	57.25		50.53		0.037	2	2
gry_02	bbt_016_017		2342	ARAF	1	1.668	61.85		53.89		0.046	2	2
gry_02	bbt_016_017		2343	ARAF	1	1.201	54.73		47.59		0.005	2	1
gry_02	bbt_016_017		2344	ARAF	1	0.707	51.53		44.52		0.001	2	1
gry_02	bbt_016_017		2345	SPSC	1	8.24	80.11		72.37		0.688	2	2
gry_02	bbt_016_017		2346	THSC	1	0.956	45.78		40.33		0.001	2	1
gry_02	bbt_016_017		2347	THSC	1	0.65	42.15		36.08		0.001	1	6
gry_02	bbt_016_017		2348	ARCD	1	0.79	51.47	50.22	47.04			n/a	
gry_02	bbt_016_017		2349	ARCD	1	0.39						n/a	
gry_02	bbt_016_017		2350	ARCD	1	0.52	45.67	44.27	41.86			n/a	
gry_02	bbt_016_017		2351	ARCD	1	0.25	36.65	34.96	33.37			n/a	
gry_02	bbt_016_017		2352	STEB	1	1.084	69.97		62.29		0.001	1	6
gry_03	bbt_018_019		2353	ARCD	1	6.528	90.94	89.07	83.35			n/a	
gry_03	bbt_018_019		2354	ARCD	1	6.652	92.05	86.06	84.39			n/a	
gry_03	bbt_018_019		2355	ARCD	1	5.19	93.18		85.52		0.13	1	6
gry_03	bbt_018_019		2356	ARCD	1	2.81	77.72	74.88	70.98			n/a	
gry_03	bbt_018_019		2357	ARCD	1	2.662	72.68	70.69	66.12			n/a	
gry_03	bbt_018_019		2358	ARCD	1	3.94	88.9	85.36	81.87		0.034	2	1
gry_03	bbt_018_019		2359	ARCD	1	6.03	95.76	92.79	87.75			n/a	
gry_03	bbt_018_019		2360	ARCD	1	0.231	35.13	34.16	32.81			n/a	
gry_03	bbt_018_019		2361	ARCD	1	0.35	41.13	39.28	37.75			n/a	
gry_03	bbt_018_019		2362	ARCD	1	0.29						0	Unknown
gry_03	bbt_018_019		2363	SPSC	1	1.762	58.28		49.92		0.036	1	7
gry_03	bbt_018_019		2364	SPSC	1	0.672	45.89		38.83		0.001	0	Unknown
gry_03	bbt_018_019		2365	ARSS	1	0.262	32.59		27.78			0	Unknown
gry_03	bbt_018_019		2366	UNCOTT	1	0.073						0	Unknown
gry_03	bbt_018_019		2367	ARAF	1	0.545	47.8		40.35		0.001	1	7
gry_03	bbt_018_019		2368	ARAF	1	0.708	50.09		43.14			0	Unknown
gry_03	bbt_018_019		2369	STEB	1	1.154	79.06		70.08			n/a	
gry_03	bbt_018_019		2370	SETP	1	0.912	50.97		44.38			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_03	bbt_018_019		2371	CAEP	1	0.201	39.5		38.72			0	Unknown
gry_03	bbt_018_019		2372	ARSS	1	0.376	36.53		29.74			0	Unknown
gry_03	w2a_022		2373	ARCD	1	24.998	150.36	141.94	134.74	0.804	0.551	2	2
gry_03	w2a_022		2374	ARCD	1	60.65	217	206.56	192.47		1.681	2	2
gry_03	w2a_022		2375	ARCD	1	9.59	108.85	103.86	96.42			n/a	
gry_03	w2a_022		2376	ARCD	1	15.02	142.18	136.05	127.66			n/a	
gry_03	w2a_022		2377	ARCD	1	14.37	125.9	120.09	112.89		0.445	2	2
gry_03	w2a_022		2378	ARCD	1	24.09	155.55	148.99	140.88		0.654	2	2
gry_03	w2a_022		2379	ARCD	1	16.05	135.64	130.52	123.09		0.899	1	7
gry_03	w2a_022		2380	ARCD	1	10.55	118.28	113.49	107.67		0.267	2	2
gry_03	w2a_022		2381	ARCD	1	11.248	111.62	108.09	101.21	0.646	0.135	1	6
gry_03	w2a_022		2382	ARCD	1	10.27	113.36	107.53	101.85		0.252	2	2
gry_03	w2a_022		2383	ARCD	1	5.201	93.27	91.94	85.54			n/a	
gry_03	w2a_022		2384	ARCD	1	5.61	92.22	89.29	83.99			n/a	
gry_03	w2a_022		2385	ARCD	1	2.24	70.27	67.58	65.06		0.009	2	1
gry_03	w2a_022		2386	ARCD	1	4.982	89.83	88.05	82.4		0.069	1	6
gry_03	w2a_022		2387	ARCD	1	6.617	103.7	100.63	94.84			n/a	
gry_03	w2a_022		2388	ARCD	1	5.555	92.6	89.18	84.17		0.135	1	7
gry_03	w2a_022		2389	ARCD	1	4.007	84.07	82.18	76.82			n/a	
gry_03	w2a_022		2390	ARCD	1	6.784	97.78	94.52	87.42			n/a	
gry_03	w2a_022		2391	ARCD	1	6.62	102.87	100.15	94.43	0.277	0.147	1	7
gry_03	w2a_022		2392	ARCD	1	5.022	92.74	89.67	83.95			n/a	
gry_03	w2a_022		2393	ARCD	1	2.74	74.73	72.88	69.21		0.018	2	1
gry_03	w2a_022		2394	ARCD	1	3.483	85.58	83.18	78.16			n/a	
gry_03	w2a_022		2395	ARCD	1	2.47	73.8	70.8	67.92			n/a	
gry_03	w2a_022		2396	ARCD	1	5.64	92.17	89.77	84.13		0.07	1	6
gry_03	w2a_022		2397	ARCD	1	14.523	128.3	122.31	116.21	0.149	0.466	1	6
gry_03	w2a_022		2398	ARCD	1	1.26	63.35		57.78			n/a	
gry_03	w2a_022		2399	ARCD	1	2.85	76.43	74.03	70.15			n/a	
gry_03	w2a_022		2400	ARCD	1	1.46	64.52	62.26	59.2		0.001	0	Unknown
gry_03	w2a_022		2401	ARCD	1	0.198						n/a	
gry_03	w2a_022		2402	ARCD	1	0.54	49.38	47.09	44.79			0	Unknown
gry_03	w2a_022		2403	ARCD	1	0.217	35.97	34.32	33.04			0	Unknown
gry_03	w2a_022		2404	ARCD	1	0.41	43.76	41.68	39.9		0.001	0	Unknown
gry_03	w2a_022		2405	ARCD	1	4.08	86.79	84.17	78.7			n/a	
gry_03	w2a_022		2406	ARCD	1	5.83	91.19	87.81	82.96			n/a	
gry_03	w2a_022		2407	ARCD	1	3.55	79.95	77.64	72.31			n/a	
gry_03	w2a_022		2408	ARCD	1	4.96	89.33	85.94	81.16		0.051	2	1
gry_03	w2a_022		2409	ARCD	1	4.4	85.93	83.93	79		0.047	1	6
gry_03	w2a_022		2410	ARCD	1	5.823	94.21	90.72	85.29	0.281	0.15	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_03	w2a_022		2411	ARCD	1	2.59	71.73	69.16	64.26			n/a	
gry_03	w2a_022		2412	ARCD	1	13.11	134.13	129.42	120.11			n/a	
gry_03	w2a_022		2413	ARCD	1	15.715	128.09	123.24	115.63			n/a	
gry_03	w2a_022		2414	ARCD	1	11.49	116.33	112.29	105.25			n/a	
gry_03	w2a_022		2415	ARCD	1	7.933	99.41	96.11	90.41			n/a	
gry_03	w2a_022		2416	ARCD	1	5.987	95.5	94.34	88.47			n/a	
gry_03	w2a_022		2417	ARCD	1	5.602	92.43	88.7	84.47		0.104	1	7
gry_03	w2a_022		2418	ARCD	1	3.91	88.39	84.96	79.52			n/a	
gry_03	w2a_022		2419	ARCD	1	7.26	104.08	100	94.29		0.029	1	6
gry_03	w2a_022		2420	ARCD	1	8.21	105.55	102.66	96.71			n/a	
gry_03	w2a_022		2421	ARCD	1	2.75	77.02	74.75	69.97			n/a	
gry_03	w2a_022		2422	ARCD	1	5.21	88.86	86.52	80.78		0.055	1	6
gry_03	w2a_022		2423	ARCD	1	3.734	81.35	77.67	74.45	0.129	0.045	1	6
gry_03	w2a_022		2424	ARCD	1	4.737	86.2	82.13	79.27	0.126	0.064	1	6
gry_03	w2a_022		2425	ARCD	1	2.195	70.06	67.73	63.93	0.162	0.051	1	6
gry_03	w2a_022		2426	ARCD	1	5.973	95.63	93.55	88.83			n/a	
gry_03	w2a_022		2427	ARCD	1	11.82	114.99	110.91	103.14			n/a	
gry_03	w2a_022		2428	ARCD	1	9.12	106.93	103.84	97.08		0.495	1	7
gry_03	w2a_022		2429	ARCD	1	0.486	43.89		37.47			0	Unknown
gry_03	w2a_022		2430	EDSF	1	1.266	61.43		51.16			n/a	
gry_03	w2a_022		2431	THSC	1	1.768	57.39		47.79		0.049	1	6
gry_03	w2a_022		2432	THSC	1	1.69	56.12		47.9		0.006	2	1
gry_04	w2a_023		2433	ARCD	1	22.252	150.33	146.69	133.91			n/a	
gry_04	w2a_023		2434	ARCD	1	7.798	102.99	99.13	92.96	0.327	0.126	2	1
gry_04	w2a_023		2435	ARCD	1	3.681	80.66	78.25	73.9			n/a	
gry_04	w2a_023		2436	ARCD	1	4.942	88.42	85.15	79.87			n/a	
gry_04	w2a_023		2437	ARCD	1	5.857	95.26	92.39	86.69			n/a	
gry_04	w2a_023		2438	ARCD	1	3.91	86.46	84	78.08			n/a	
gry_04	w2a_023		2439	ARCD	1	6.37	97.93	94.94	87.99	0.135		n/a	
gry_04	w2a_023		2440	ARCD	1	5.004	88.35	86.62	81.35			n/a	
gry_04	w2a_023		2441	ARCD	1	3.292	81.24	79.11	72.87			n/a	
gry_04	w2a_023		2442	ARCD	1	2.668	78.79	76.08	71.78		0.016	1	6
gry_04	w2a_023		2443	ARCD	1	6.876	100.05	96.26	90.04			n/a	
gry_04	w2a_023		2444	ARCD	1	6.093	93.95	91	84.23			n/a	
gry_04	w2a_023		2445	ARCD	1	5.833	92.4	89.73	83.9			n/a	
gry_04	w2a_023		2446	ARCD	1	13.499	119.52	116.73	109.06			n/a	
gry_04	w2a_023		2447	ARCD	1	4.531	90.84	88.01	83.83	0.095		n/a	
gry_04	w2a_023		2448	ARCD	1	7.015	103.16	97.83	92.62	0.199	0.092	1	7
gry_04	w2a_023		2449	ARCD	1	6.972	99.39	95.69	88.98			n/a	
gry_04	w2a_023		2450	ARCD	1	3.774	85.05	82.54	77.34			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023		2451	ARCD	1	6.387	103.23	98.74	93.92			n/a	
gry_04	w2a_023		2452	ARCD	1	5.908	99.24	96.73	89.35			n/a	
gry_04	w2a_023		2453	ARCD	1	5.185	94.06	91.06	85.46			n/a	
gry_04	w2a_023		2454	ARCD	1	7.049	103.16	100.1	93.33			n/a	
gry_04	w2a_023		2455	ARCD	1	5.593	97.33	94.86	89.2			n/a	
gry_04	w2a_023		2456	ARCD	1							n/a	
gry_04	w2a_023		2457	ARCD	1	4.749	95.7	91.86	86.05			n/a	
gry_04	w2a_023		2458	ARCD	1	10.235	119.7	115.33	108.66		0.125	1	6
gry_04	w2a_023		2459	ARCD	1	4.545				0.081		n/a	
gry_04	w2a_023		2460	ARCD	1							n/a	
gry_04	w2a_023		2461	ARCD	1	4.529	89.75	86.84	81.35			n/a	
gry_04	w2a_023		2462	ARCD	1	2.967		80.73	73.4			n/a	
gry_04	w2a_023		2463	ARCD	1	4.14	83.01	80.57	76.28			n/a	
gry_04	w2a_023		2464	ARCD	1	3.546	83.12	80.42	75.84			n/a	
gry_04	w2a_023		2465	ARCD	1	4.237	86.31	81.81	77.9			n/a	
gry_04	w2a_023		2466	ARCD	1	4.486	85.83	82.43	78.46	0.124		n/a	
gry_04	w2a_023		2467	ARCD	1	13.557	130.15	126	113.7	0.219		n/a	
gry_04	w2a_023		2468	ARCD	1	6.592			96.52	0.185		n/a	
gry_04	w2a_023		2469	ARCD	1	14.443	134.46	131.19	122.36	0.168		n/a	
gry_04	w2a_023		2470	ARCD	1	12.703	128.76	125.1	114.23	0.394		n/a	
gry_04	w2a_023		2471	ARCD	1	5.767	96.69	92.63	86.99	0.174		n/a	
gry_04	w2a_023		2472	ARCD	1	5.283	92	89.6	85.16	0.07		n/a	
gry_04	w2a_023		2473	ARCD	1	4.786	89.61	86.9	80.87	0.194		n/a	
gry_04	w2a_023		2474	ARCD	1	6.78	108.28	102.85	97.98	0.14		n/a	
gry_04	w2a_023		2475	ARCD	1	13.69	130.66	126.1	117.35	0.43		n/a	
gry_04	w2a_023		2476	ARCD	1	7.075			95.98	0.117		n/a	
gry_04	w2a_023		2477	ARCD	1	5.39	95.42	93.16	87.08	0.212		n/a	
gry_04	w2a_023		2478	ARCD	1	7.2	105.83	102.27	93.55			n/a	
gry_04	w2a_023		2479	ARCD	1	5.26	87.96	84.41	78.7			n/a	
gry_04	w2a_023		2480	ARCD	1	5.746	97.71	95.15	89	0.179		n/a	
gry_04	w2a_023		2481	ARCD	1	5.576	97.98	95.69	89.11	0.191		n/a	
gry_04	w2a_023		2482	ARCD	1	5.888	98.03	95.35	88.44	0.206		n/a	
gry_04	w2a_023		2483	ARCD	1	6.197	98.19	94.5	89.58	0.044		n/a	
gry_04	w2a_023		2484	ARCD	1	4.145	84.56	82.82	77.86	0.104		n/a	
gry_04	w2a_023		2485	ARCD	1	4.617	92.94	90.15	84.79			n/a	
gry_04	w2a_023		2486	ARCD	1	2.677		76.71	72.3	0.057		n/a	
gry_04	w2a_023		2487	ARCD	1	4.748	94.75	92.88	88.12	0.163		n/a	
gry_04	w2a_023		2488	ARCD	1	6.867	109.12	105.49	99.32	0.22	0.145	2	1
gry_04	w2a_023		2489	ARCD	1	4.649	91.57	87.37	83.12	0.142		n/a	
gry_04	w2a_023		2490	ARCD	1	3.5	87.51	84.34	80.12	0.083		n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023		2491	ARCD	1	4.035	88.6	85.65	78.99	0.091		n/a	
gry_04	w2a_023		2492	ARCD	1	7.235	112.41	109.07	102.25	0.147		n/a	
gry_04	w2a_023		2493	ARCD	1	2.388	77.94	74.06	70.91	0.085	0.016	1	6
gry_04	w2a_023		2494	ARCD	1	4.576	91.01		83.45	0.151		n/a	
gry_04	w2a_023		2495	ARCD	1	11.591	120.44	117.67	111.16	0.36		n/a	
gry_04	w2a_023		2496	ARCD	1	6.266	94.3	91.13	85.63	0.228		n/a	
gry_04	w2a_023		2497	ARCD	1	3.989	88.58	85.81	80.27	0.125		n/a	
gry_04	w2a_023		2498	ARCD	1	4.541	90.9	87.57	82.28	0.095		n/a	
gry_04	w2a_023		2499	ARCD	1	8.143	115.4	111.67	104.62	0.214		n/a	
gry_04	w2a_023		2500	ARCD	1	6.79	103.7	100.31	93.67	0.173		n/a	
gry_04	w2a_023		2501	ARCD	1	5.116	87.51	85	82.28	0.147		n/a	
gry_04	w2a_023		2502	ARCD	1	4.987	93.88	90.11	87.39	0.119		n/a	
gry_04	w2a_023		2503	ARCD	1	4.477	89.27	86.49	81.57	0.078		n/a	
gry_04	w2a_023		2504	ARCD	1	34.555	179.15	171.99	160.96	0.596		n/a	
gry_04	w2a_023		2505	ARCD	1	3.287			74.64	0.078		n/a	
gry_04	w2a_023		2506	ARCD	1	2.319	77.57	73.41	69.64	0.075		0	Unknown
gry_04	w2a_023		2507	ARCD	1	3.675	84.42	79.43	76.16	0.131		n/a	
gry_04	w2a_023		2508	ARCD	1	5.904	92.7	90.02	83.73	0.219		n/a	
gry_04	w2a_023		2509	ARCD	1	4.224	82.46	80.23	74.28	0.184		n/a	
gry_04	w2a_023		2510	ARCD	1	4.015			81.33	0.102		n/a	
gry_04	w2a_023		2511	ARCD	1	3.781			79.3	0.087		n/a	
gry_04	w2a_023		2512	ARCD	1	5.796	97.34	94.39	87.42	0.089		n/a	
gry_04	w2a_023		2513	ARCD	1	4.2	97.88	84.03	80.06			n/a	
gry_04	w2a_023		2514	ARCD	1	3.235	81.02	79.24	74.88	0.091		n/a	
gry_04	w2a_023		2515	ARCD	1	1.969	75.04	71.74	68.01	0.044	0.013	1	6
gry_04	w2a_023		2516	ARCD	1	3.032	78.51	76.37	73.71	0.126		n/a	
gry_04	w2a_023		2517	ARCD	1	4.296	89.43	86.2	81.47	0.105		n/a	
gry_04	w2a_023		2518	ARCD	1	3.811	83.53	80.22	75.53	0.037		n/a	
gry_04	w2a_023		2519	ARCD	1	8.081	104.8	102.09	95.37	0.26		n/a	
gry_04	w2a_023		2520	ARCD	1	12.135	123.17	118.96	110.26	0.17		n/a	
gry_04	w2a_023		2521	ARCD	1	11.942	130.07	124.91	116.78	0.233		n/a	
gry_04	w2a_023		2522	ARCD	1	9.211		112.12	110.12	0.496	0.35	2	2
gry_04	w2a_023		2523	ARCD	1	6.662	98.85	95.97	88.88	0.173		n/a	
gry_04	w2a_023		2524	ARCD	1	4.038		88.64	82.5	0.066	0.06	1	6
gry_04	w2a_023		2525	ARCD	1							n/a	
gry_04	w2a_023		2526	ARCD	1							n/a	
gry_04	w2a_023		2527	ARCD	1							n/a	
gry_04	w2a_023		2528	ARCD	1							n/a	
gry_04	w2a_023		2529	ARCD	1							n/a	
gry_04	w2a_023		2530	ARCD	1							n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023		2531	ARCD	1							n/a	
gry_04	w2a_023		2532	ARCD	1							n/a	
gry_04	w2a_023		2533	ARCD	1							n/a	
gry_04	w2a_023		2534	ARCD	1							n/a	
gry_04	w2a_023		2535	ARCD	1							n/a	
gry_04	w2a_023		2536	ARCD	1							n/a	
gry_04	w2a_023		2537	ARCD	1							n/a	
gry_04	w2a_023		2538	ARCD	1							n/a	
gry_04	w2a_023		2539	ARCD	1							n/a	
gry_04	w2a_023		2540	ARCD	1							n/a	
gry_04	w2a_023		2541	ARCD	1							n/a	
gry_04	w2a_023		2542	ARCD	1							n/a	
gry_01	w2a_020		2543	ARCD	1			95.68				n/a	
gry_04	w2a_023		2544	ARCD	1							n/a	
gry_04	w2a_023		2545	ARCD	1							n/a	
gry_04	w2a_023		2546	ARCD	1							n/a	
gry_04	w2a_023		2547	ARCD	1							n/a	
gry_04	w2a_023		2548	ARCD	1							n/a	
gry_04	w2a_023		2549	ARCD	1							n/a	
gry_02	w2a_021		2550	ARCD	1			151.37				n/a	
gry_04	w2a_023		2551	ARCD	1							n/a	
gry_04	w2a_023		2552	ARCD	1							n/a	
gry_04	w2a_023		2553	ARCD	1							n/a	
gry_04	w2a_023		2554	ARCD	1							n/a	
gry_04	w2a_023		2555	ARCD	1							n/a	
gry_04	w2a_023		2556	ARCD	1							n/a	
gry_04	w2a_023		2557	ARCD	1							n/a	
gry_04	w2a_023		2558	ARCD	1							n/a	
gry_04	w2a_023		2559	ARCD	1							n/a	
gry_04	w2a_023		2560	ARCD	1							n/a	
gry_04	w2a_023		2561	ARCD	1							n/a	
gry_04	w2a_023		2562	ARCD	1							n/a	
gry_04	w2a_023		2563	ARCD	1							n/a	
gry_04	w2a_023		2564	ARCD	1							n/a	
gry_04	w2a_023		2565	ARCD	1							n/a	
gry_04	w2a_023		2566	ARCD	1							n/a	
gry_04	w2a_023		2567	ARCD	1							n/a	
gry_04	w2a_023		2568	ARCD	1							n/a	
gry_04	w2a_023		2569	ARCD	1							n/a	
gry_04	w2a_023		2570	ARCD	1							n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023		2571	ARCD	1							n/a	
gry_04	w2a_023		2572	ARCD	1							n/a	
gry_03	w2a_022		2573	ARCD	1			126.01				n/a	
gry_04	w2a_023		2574	ARCD	1							n/a	
gry_04	w2a_023		2575	ARCD	1							n/a	
gry_04	w2a_023		2576	ARCD	1							n/a	
gry_04	w2a_023		2577	ARCD	1							n/a	
gry_04	w2a_023		2578	ARCD	1							n/a	
gry_04	w2a_023		2579	ARCD	1							n/a	
gry_04	w2a_023		2580	ARCD	1							n/a	
gry_04	w2a_023		2581	ARCD	1							n/a	
gry_04	w2a_023		2582	ARCD	1							n/a	
gry_04	w2a_023		2583	ARCD	1							n/a	
gry_04	w2a_023		2584	ARCD	1							n/a	
gry_04	w2a_023		2585	ARCD	1							n/a	
gry_04	w2a_023		2586	ARCD	1							n/a	
gry_04	w2a_023		2587	ARCD	1							n/a	
gry_04	w2a_023		2588	ARCD	1							n/a	
gry_04	w2a_023		2589	ARCD	1							n/a	
gry_04	w2a_023		2590	ARCD	1							n/a	
gry_04	w2a_023		2591	ARCD	1							n/a	
gry_04	w2a_023		2592	ARCD	1							n/a	
gry_04	w2a_023		2593	ARCD	1							n/a	
gry_04	w2a_023		2594	ARCD	1							n/a	
gry_04	w2a_023		2595	ARCD	1							n/a	
gry_04	w2a_023		2596	ARCD	1							n/a	
gry_04	w2a_023		2597	ARCD	1							n/a	
gry_04	w2a_023		2598	ARCD	1							n/a	
gry_04	w2a_023		2599	ARCD	1							n/a	
gry_04	w2a_023		2600	ARCD	1							n/a	
gry_04	w2a_023		2601	ARCD	1							n/a	
gry_04	w2a_023		2602	ARCD	1							n/a	
gry_04	w2a_023		2603	ARCD	1							n/a	
gry_04	w2a_023		2604	ARCD	1							n/a	
gry_04	w2a_023		2605	ARCD	1							n/a	
gry_04	w2a_023		2606	ARCD	1							n/a	
gry_04	w2a_023		2607	ARCD	1							n/a	
gry_04	w2a_023		2608	ARCD	1							n/a	
gry_04	w2a_023		2609	ARCD	1							n/a	
gry_04	w2a_023		2610	ARCD	1							n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023		2611	ARCD	1							n/a	
gry_04	w2a_023		2612	ARCD	1							n/a	
gry_04	w2a_023		2613	ARCD	1							n/a	
gry_04	w2a_023		2614	ARCD	1							n/a	
gry_04	w2a_023		2615	ARCD	1							n/a	
gry_04	w2a_023		2616	ARCD	1							n/a	
gry_04	w2a_023		2617	ARCD	1							n/a	
gry_04	w2a_023		2618	ARCD	1							n/a	
gry_04	w2a_023		2619	ARCD	1							n/a	
gry_04	w2a_023		2620	ARCD	1							n/a	
gry_04	w2a_023		2621	ARCD	1							n/a	
gry_04	w2a_023		2622	ARCD	1							n/a	
gry_04	w2a_023		2623	ARCD	1							n/a	
gry_04	w2a_023		2624	ARCD	1							n/a	
gry_04	w2a_023		2625	ARCD	1							n/a	
gry_04	w2a_023		2626	ARCD	1							n/a	
gry_04	w2a_023		2627	ARCD	1							n/a	
gry_04	w2a_023		2628	ARCD	1							n/a	
gry_04	w2a_023		2629	ARCD	1							n/a	
gry_04	w2a_023		2630	ARCD	1							n/a	
gry_04	w2a_023		2631	ARCD	1							n/a	
gry_04	w2a_023		2632	ARCD	1							n/a	
gry_04	w2a_023		2633	GLHB	1	1312	511		439		5.548	2	1
gry_04	w2a_023		2634	GLHB	1	986	478		424		2.597	2	1
gry_04	w2a_023		2635	GLHB	1	641	428		369		2.193	2	1
gry_04	w2a_023		2636	GLHB	1	494	399		351		1.514	2	1
gry_04	w2a_023		2637	LEEP	1	524	416		398		0.509	1	7
gry_04	w2a_023		2638	LEEP	1	7.529	119.93		117.29		0.001	1	6
gry_04	w2a_023		2639	LEEP	1	0.455	53.02		51.18			0	Unknown
gry_04	w2a_023		2640	ACEP	1	15.729	160.05		155.85		0.074	2	2
gry_04	w2a_023		2641	KPSF	1	30.814	131.86		114.72		0.308	1	7
gry_04	w2a_023		2642	KPSF	1	27.236	140.32		120.37		0.483	2	1
gry_04	w2a_023		2643	KPSF	1	13.731					0.003	1	6
gry_04	w2a_023		2644	KPSF	1	15.571	114.11		99.39		0.302	2	1
gry_04	w2a_023		2645	KPSF	1	2.204	75.83					0	Unknown
gry_04	w2a_023		2646	KPSF	1	3.026					0.003	1	6
gry_04	w2a_023		2647	KPSF	1	3.481			68.67			0	Unknown
gry_04	w2a_023		2648	KPSF	1	3.305	77.13		67.08		0.015	2	1
gry_04	w2a_023		2649	GLSS	1	1.997	67.41		60.05		0.013	1	6
gry_04	w2a_023		2650	KPSF	1	2.605	66.12		55.1			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023		2651	SETP	1	1.975	63.5		58.22			n/a	
gry_04	w2a_023		2670	UNCASP	1	0.271			36.07			0	Unknown
gry_04	w2a_023		2671	LEEP	1	0.301	48.32		47.19			0	Unknown
gry_04	bbt_020_021		2672	ARCD	1	20.48	138.94	132.72	123.86			n/a	
gry_04	bbt_020_021		2673	ARCD	1	17.59	143.54	138.29	130.65		0.476	2	2
gry_04	bbt_020_021		2674	ARCD	1	9.3	106.16	103.06	96.88			n/a	
gry_04	bbt_020_021		2675	ARCD	1	11.52	118.28	113.09	106.02			n/a	
gry_04	bbt_020_021		2676	ARCD	1	4.5	92.72	90.16	84.9			n/a	
gry_04	bbt_020_021		2677	ARCD	1	4.723	86.32	83.53	80.35	0.183	0.084	1	6
gry_04	bbt_020_021		2678	ARCD	1	8.08	104.41	101.25	94.84		0.14	1	7
gry_04	bbt_020_021		2679	ARCD	1	6.16	95.36	92.6	86.11			n/a	
gry_04	bbt_020_021		2680	ARCD	1	3.33	83.51	80.71	75.97			n/a	
gry_04	bbt_020_021		2681	UNCASP	1	0.509			44.66			n/a	
gry_04	bbt_020_021		2682	KPSF	1	19.949			109.44		0.029	1	6
gry_04	bbt_020_021		2683	LEEP	1	10.139	129.06		124.63		0.008	2	1
gry_04	bbt_020_021		2684	GLHB	1	768	452		392		2.507	2	1
gry_04	bbt_020_021		2685	ARCD	1	19.84	146.65	142.36	133.77		0.577	2	2
gry_04	bbt_020_021		2686	ARCD	1	12.303	124.41	118.93	111.18		0.322	2	2
gry_04	bbt_020_021		2687	ARCD	1	13.415	127.2	123.71	117.47	0.68	0.628	1	7
gry_04	bbt_020_021		2688	ARCD	1	4.646	87.65	85.07	80.29			n/a	
gry_04	bbt_020_021		2689	ARCD	1	6.775	101.99	97.47	93.85			n/a	
gry_04	bbt_020_021		2690	ARCD	1	6.448	99.09	95.94	89.12			n/a	
gry_04	bbt_020_021		2691	ARCD	1	2.78	79.05	76.3	71.9			n/a	
gry_04	bbt_020_021		2692	ARCD	1	11.229	120.67	116.59	110.19		0.3	2	2
gry_04	bbt_020_021		2693	ARCD	1	8.576	107.4	102.92	97.05			n/a	
gry_04	bbt_020_021		2694	ARCD	1	5.981	96.39	93.2	87.23			n/a	
gry_04	bbt_020_021		2695	ARCD	1	7.966	110.07	105.12	99.96		0.199	2	2
gry_04	bbt_020_021		2696	ARCD	1	15.825	139.88	133.8	126.02		0.0375	2	2
gry_04	bbt_020_021		2697	ARCD	1	7.76	108.27	104.44	100.46		0.189	1	6
gry_04	bbt_020_021		2698	ARCD	1	4.02	84.14	80.33	77.29			n/a	
gry_04	bbt_020_021		2699	ARCD	1	9.59	115.13	112.18	105.01			n/a	
gry_04	bbt_020_021		2700	ARCD	1	7.992	106.33	102.81	95.74			n/a	
gry_04	bbt_020_021		2701	ARCD	1	4.745	90.41	88.15	83.13		0.097	1	7
gry_04	bbt_020_021		2702	ARCD	1	4.371	84.14	81.56	75.69			n/a	
gry_04	bbt_020_021		2703	ARCD	1	10.34	119.28	116.22	110.44		0.24	2	2
gry_04	bbt_020_021		2704	ARCD	1	10.23	120.95	116.95	108.58		0.241	2	2
gry_04	bbt_020_021		2705	ARCD	1	11.821	122.34	117.81	111.12			n/a	
gry_04	bbt_020_021		2706	ARCD	1	9.69	116.48	113.39	108.01		0.21	2	1
gry_04	bbt_020_021		2707	ARCD	1	11.719	120.59	117.14	109.73		0.349	1	7
gry_04	bbt_020_021		2708	ARCD	1	4.6	88.81	86.65	82.15			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	bbt_020_021		2709	ARCD	1	6.225	94.45	92.68	86.41			n/a	
gry_04	bbt_020_021		2710	ARCD	1	5.28	96.33	93.3	87.26			n/a	
gry_04	bbt_020_021		2711	ARCD	1	10.817			102.45		0.72	1	7
gry_04	bbt_020_021		2712	ARCD	1	4.64	89.65	86.14	80.72			n/a	
gry_04	bbt_020_021		2713	ARCD	1	3.787	83.52	79.71	74.99			n/a	
gry_04	bbt_020_021		2714	ARCD	1	6.104	97.83	93.97	88.81		0.14	2	2
gry_04	bbt_020_021		2715	ARCD	1	8.46	112.29	106.9	100.66			n/a	
gry_04	bbt_020_021		2716	ARCD	1	5.09			87.93			n/a	
gry_04	bbt_020_021		2717	ARCD	1	6.422	103.53	100.76	93.97			n/a	
gry_04	bbt_020_021		2718	ARCD	1	8.93	111.77	106.99	99.41			n/a	
gry_04	bbt_020_021		2719	RBSC	1	12.34	108.54		99.55		0.437	2	2
gry_04	bbt_020_021		2720	LEEP	1	440	394		379		3.693	2	2
gry_04	bbt_020_021		2721	LEEP	1	6.226	110.26		105.47		0.001	1	6
gry_04	bbt_020_021		2722	ACEP	1	9.488	133.48		130.57			n/a	
gry_04	bbt_020_021		2723	LEEP	1	4.44	95.23		92.72		0.001	2	1
gry_04	bbt_020_021		2724	LEEP	1	2.733	89.6		87.22		0.001	1	6
gry_04	bbt_020_021		2725	SCEP	1	0.964	62.48		60.37		0.001	2	1
gry_04	bbt_020_021		2726	ADEP	1	0.226	44.48		43.19			0	Unknown
gry_04	bbt_020_021		2727	ADEP	1	0.404	52.15		50.21			0	Unknown
gry_04	bbt_020_021		2728	LEEP	1	2.483	89.83		84.31		0.004	2	1
gry_04	bbt_020_021		2729	LEEP	1	1.428	76.41		74.43			0	Unknown
gry_04	bbt_020_021		2730	AREP	1	1.503	74.7		72.41		0.003	0	Unknown
gry_04	bbt_020_021		2731	AREP	1	0.288	47.5		46.08			0	Unknown
gry_04	bbt_020_021		2732	KPSF	1	3.927			69.49			0	Unknown
gry_04	bbt_020_021		2733	GLSS	1	4.237			71.2			n/a	
gry_04	bbt_020_021		2734	SETP	1	7.141						n/a	
gry_04	bbt_020_021		2735	LEEP	1	6.022	112.04		108.93		0.001	1	6
gry_04	bbt_020_021		2736	ACEP	1	30.111	188.23		185.26		0.2	2	1
gry_04	bbt_020_021		2737	ACEP	1	17.915	160.51		157.41		0.09	2	2
gry_04	bbt_020_021		2738	ACEP	1	51.331	222		220		0.429	2	2
gry_04	bbt_020_021		2739	PLSC	1	118.85	194.42					n/a	
gry_05	bbt_022_023		2740	ARCD	1	7.27	110.42	106.91	99.84			n/a	
gry_05	bbt_022_023		2741	ARCD	1	12.07	124.11	119.44	111.15			n/a	
gry_05	bbt_022_023		2742	ARCD	1	11.27	127.4	123.47	115.74			n/a	
gry_05	bbt_022_023		2743	ARCD	1	10.21	119.06	115.6	107.37			n/a	
gry_05	bbt_022_023		2744	ARCD	1	12.48	125.51	119.97	112.9			n/a	
gry_05	bbt_022_023		2745	ARCD	1	10.96	121.34	116.86	109.43			n/a	
gry_05	bbt_022_023		2746	ARCD	1	20.84	144.73	141.22	133.43			n/a	
gry_05	bbt_022_023		2747	ARCD	1	6.89	111.64	107.24	101.71			n/a	
gry_05	bbt_022_023		2748	ARCD	1	17.78	139.83	136.45	128.58			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_05	bbt_022_023		2749	ARCD	1	2.419	77.3		71.87			0	Unknown
gry_05	bbt_022_023		2750	ARCD	1	5.65	99.73	95.25	92.01			0	Unknown
gry_05	bbt_022_023		2751	ARCD	1	2.37						n/a	
gry_05	bbt_022_023		2752	ARCD	1	2.861	85.51		77.35			0	Unknown
gry_05	bbt_022_023		2753	ARCD	1	0.24	36.92	35.71	34.47			n/a	
gry_05	bbt_022_023		2754	KPSF	1	47.403	152.1		136.16		0.398	1	7
gry_05	bbt_022_023		2755	EDSF	1	27.409			118.86			n/a	
gry_05	bbt_022_023		2756	PAEP	1	0.411	49.39		47.72			n/a	
gry_05	bbt_022_023		2757	LEEP	1	7.371	115.26		111.99		0.006	2	1
gry_05	bbt_022_023		2758	LEEP	1	4.037	94.97		92.02		0.002	1	6
gry_05	w2a_024		2759	ARCD	1	18.66			121.04			n/a	
gry_05	w2a_024		2760	ARCD	1	34.05		167.95	156.58		1.577	1	7
gry_05	w2a_024		2761	ARCD	1	23.84			130.61			n/a	
gry_05	w2a_024		2762	ARCD	1	17.52		128.31	121.8			n/a	
gry_05	w2a_024		2763	ARCD	1	38.13			159.77		0.978	2	2
gry_05	w2a_024		2764	ARCD	1	14.53	135.14	129.97	122.08			n/a	
gry_05	w2a_024		2765	ARCD	1	20.25	151.86	147.49	136.84			n/a	
gry_05	w2a_024		2766	ARCD	1	15.94	136.91	129.79	121.28		0.44	2	2
gry_05	w2a_024		2767	ARCD	1	34.11	170.96	164.38	152.8			n/a	
gry_05	w2a_024		2768	ARCD	1	17.92	139.29	135.62	125.61			n/a	
gry_05	w2a_024		2769	ARCD	1	20.86	145.12	138.01	130.21			n/a	
gry_05	w2a_024		2770	ARCD	1	28.98	168.34	164.21	152.99			n/a	
gry_05	w2a_024		2771	ARCD	1	21.16	145.2	140.89	132.27			n/a	
gry_05	w2a_024		2772	ARCD	1	16	130.01	127.01	120.89			n/a	
gry_05	w2a_024		2773	ARCD	1	5.94	103.94	101.97	93.36			n/a	
gry_05	w2a_024		2774	ARCD	1	0.18						n/a	
gry_05	w2a_024		2775	ARCD	1	20.02	138.73	133.27	127.14		0.473	2	2
gry_05	w2a_024		2776	ARCD	1	19.6	142.8	139.08	130.9			n/a	
gry_05	w2a_024		2777	ARCD	1	21.04	148.81	142.52	131.79			n/a	
gry_05	w2a_024		2778	ARCD	1	21.9	147.81	143.27	134.11			n/a	
gry_05	w2a_024		2779	ARCD	1	5.08	90.15	89.66	83.23			n/a	
gry_05	w2a_024		2780	ARCD	1	18.53	139.3	133.22	124.89			n/a	
gry_05	w2a_024		2781	ARCD	1	6.542	101.26	98.77	91.78			n/a	
gry_05	w2a_024		2782	ARCD	1	12.24	120.68	117.01	108.65			n/a	
gry_05	w2a_024		2783	ARCD	1	17.27	137.5		124.66			n/a	
gry_05	w2a_024		2784	ARCD	1	30.07	172.71	163.66	151.32			n/a	
gry_05	w2a_024		2785	ARCD	1	28.02	157.07	151.52	142.3			n/a	
gry_05	w2a_024		2786	ARCD	1	13.92	126.89	122.48	115.35			n/a	
gry_05	w2a_024		2787	ARCD	1	17.23	133.41	130.52	122.77			n/a	
gry_05	w2a_024		2788	ARCD	1	10.97	125.64		111.74			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_05	w2a_024		2789	ARCD	1	25.58	160.98	157.94	149.88			n/a	
gry_05	w2a_024		2790	ARCD	1	27.77	162.05	149.14	143.68			n/a	
gry_05	w2a_024		2791	ARCD	1	10.4	119.68	113.93	107.22			n/a	
gry_05	w2a_024		2792	ARCD	1	13.11	116.61	114.78	106.14			n/a	
gry_05	w2a_024		2793	ARCD	1	11.81	119.69	115.23	107.93			n/a	
gry_05	w2a_024		2794	ARCD	1	13.84	134.82	130.63	122.48			n/a	
gry_05	w2a_024		2795	ARCD	1	18.19	140.38	135.06	125.16			n/a	
gry_05	w2a_024		2796	ARCD	1	9.83	110.65	107.65	101.15			n/a	
gry_05	w2a_024		2797	ARCD	1	13.81	133.5	128	120.65			n/a	
gry_05	w2a_024		2798	ARCD	1	4.54	87.22	84.86	79.09		0.058	1	6
gry_05	w2a_024		2799	ARCD	1	17.636	134.38	131.54	124.63			n/a	
gry_05	w2a_024		2800	ARCD	1	20.01	144.57	141.24	130.76			n/a	
gry_05	w2a_024		2801	ARCD	1	9.27	114.83	111.8	105.02			n/a	
gry_05	w2a_024		2802	ARCD	1	17.14	136.73	131.69	123.75			n/a	
gry_05	w2a_024		2803	ARCD	1	12.14	118.1	114.95	107.57			n/a	
gry_05	w2a_024		2804	ARCD	1	12.005	117.49	113.44	107			n/a	
gry_05	w2a_024		2805	ARCD	1	14.54	130.56	127.3	119.67		0.376	2	2
gry_05	w2a_024		2806	ARCD	1	9.66	114.94	111.62	105.07			n/a	
gry_05	w2a_024		2807	ARCD	1	16.45	129.77	125.41	119.14		0.324	2	2
gry_05	w2a_024		2808	ARCD	1	18.652	133.08	126.06	118.95		0.441	2	2
gry_05	w2a_024		2809	ARCD	1	23.476	148.2	141.83	132.68			n/a	
gry_05	w2a_024		2810	ARCD	1	29.27	147.22	140.35	129.66			n/a	
gry_05	w2a_024		2811	ARCD	1	4.661	87.32	85.02	80.29		0.112	1	6
gry_05	w2a_024		2812	ARCD	1	6.465	101.35	98.25	92.12			n/a	
gry_05	w2a_024		2813	ARCD	1	14.023	124.32	120.16	113.73		0.393	1	7
gry_05	w2a_024		2814	ARCD	1	14.484	128.87	124.41	117.28		0.361	2	2
gry_05	w2a_024		2815	ARCD	1	10.415	118.42	112.99	107.16			n/a	
gry_05	w2a_024		2816	ARCD	1	13.244	130.52	125.41	119.52			n/a	
gry_05	w2a_024		2817	ARCD	1	28.615	157.96	151.09	144.18	1.256	2.167	1	7
gry_05	w2a_024		2818	ARCD	1	13.471	126.26	121.19	114.25			n/a	
gry_05	w2a_024		2819	ARCD	1	9.419			101.95			n/a	
gry_05	w2a_024		2820	ARCD	1	11.98	117.58	113.77	108.53		0.385	1	7
gry_05	w2a_024		2821	ARCD	1	0.16	34.98	33.65	32.6			n/a	
gry_05	w2a_024		2822	ARCD	1	6.605	101.04	98.03	92.24			n/a	
gry_05	w2a_024		2823	ARCD	1	26.385	155.71	148.71	140.14			n/a	
gry_05	w2a_024		2824	ARCD	1	11.45	122.6	117.3	110.04			n/a	
gry_05	w2a_024		2825	ARCD	1	14.718	133.36	129.33	123.22		0.313	2	2
gry_05	w2a_024		2826	ARCD	1	9.2	112.42	107.95	102.14		0.297	1	7
gry_05	w2a_024		2827	ARCD	1	16.21	132.59	128.97	120.48			n/a	
gry_05	w2a_024		2828	ARCD	1	16.5	131.38	126.48	119.37		0.633	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_05	w2a_024		2829	ARCD	1	11.744	118.6	114.78	107.65			n/a	
gry_05	w2a_024		2830	ARCD	1	7.607	100.26	97.52	92.84			n/a	
gry_05	w2a_024		2831	ARCD	1	0.117						n/a	
gry_05	w2a_024		2832	ARCD	1	31.71	170.81	166.57	151.7			n/a	
gry_05	w2a_024		2833	ARCD	1	21.6	148.13	142.92	133.99			n/a	
gry_05	w2a_024		2834	ARCD	1	18.531	128.43	125.06	116.65			n/a	
gry_05	w2a_024		2835	ARCD	1	0.344	43.1	41.55	39.61			n/a	
gry_05	w2a_024		2836	ARCD	1	5.536	96.11	91.68	86.32		0.054	2	1
gry_05	w2a_024		2837	ARCD	1	13.526	124.14	119.96	112.78			n/a	
gry_05	w2a_024		2838	ARCD	1	18.94	144.52	140.47	131.29			n/a	
gry_05	w2a_024		2839	ARCD	1	11.87	122.81	117.44	111.47			n/a	
gry_05	w2a_024		2840	ARCD	1	0.3						n/a	
gry_05	w2a_024		2841	ARCD	1	5.27	80.73	77.91	73.32		0.082	1	6
gry_05	w2a_024		2842	ARCD	1	12.3	125.17	121.28	113.73			n/a	
gry_05	w2a_024		2843	ARCD	1	10.105	110.6	107.7	100.58	0.503	0.267	2	2
gry_05	w2a_024		2844	ARCD	1	0.32	41.25		37.3			n/a	
gry_05	w2a_024		2845	ARCD	1	11.759	121.27	118.29	111.25			n/a	
gry_05	w2a_024		2846	ARCD	1	17.96	143.57	137.66	130.16			n/a	
gry_05	w2a_024		2847	ARCD	1	13.83	131.02	128.26	121.37		0.435	1	6.5
gry_05	w2a_024		2848	ARCD	1	19.592	140.1	136.43	127.99			n/a	
gry_05	w2a_024		2849	ARCD	1	22.07	145.62	141.02	132.71			n/a	
gry_05	w2a_024		2850	ARCD	1	16.04	132.9	127.46	119.22		0.404	2	2
gry_05	w2a_024		2851	ARCD	1	14.231	124.62	119.64	111.57			n/a	
gry_05	w2a_024		2852	ARCD	1	16.824	134.87	129.32	121.01			n/a	
gry_05	w2a_024		2853	ARCD	1	19.22	142.28	136.14	128.64		0.433	2	2
gry_05	w2a_024		2854	ARCD	1	13.102	132.4	126.68	120.04			n/a	
gry_05	w2a_024		2855	ARCD	1	9.132	111.06	108.34	102.71			n/a	
gry_05	w2a_024		2856	ARCD	1	12.19	123.88	117.74	111.43		0.308	2	2
gry_05	w2a_024		2857	ARCD	1	19.32	145.89	139.37	130.83			n/a	
gry_05	w2a_024		2858	ARCD	1	18	145.28	138.67	130.6			n/a	
gry_05	w2a_024		2859	ARCD	1	8.55	105.87	101.75	94.12			n/a	
gry_05	w2a_024		2860	ARCD	1	16.516	136.2	131.9	123.95			n/a	
gry_05	w2a_024		2861	ARCD	1	8.44	112.81	109.14	102.06			n/a	
gry_05	w2a_024		2862	ARCD	1	12.52	124.88	121.87	112.04			n/a	
gry_05	w2a_024		2863	ARCD	1	17.873	132.07	128.36	121.15			n/a	
gry_05	w2a_024		2864	ARCD	1	12.77	119.76	115.82	107.84	0.647	0.73	1	7
gry_05	w2a_024		2865	ARCD	1	13.105	122.48	118.72	111.21			n/a	
gry_05	w2a_024		2866	ARCD	1	19.868	133.37	124.33	119.57			n/a	
gry_05	w2a_024		2867	ARCD	1	16.45	132.81	125.9	116.11			n/a	
gry_05	w2a_024		2868	ARCD	1	7.3	103.28	99.63	92.94			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_05	w2a_024		2869	ARCD	1	5.505	87.49	85.26	82.31	0.382	0.117	1	6
gry_05	w2a_024		2870	ARCD	1	13.5	136.66	130.39	122.73			n/a	
gry_05	w2a_024		2871	ARCD	1	26.61	165.36	156.1	147.19			n/a	
gry_05	w2a_024		2872	ARCD	1	10.78	122.14	119.31	109.77			n/a	
gry_05	w2a_024		2873	ARCD	1	23.01	149.46	144.05	137.4		1.053	1	7
gry_05	w2a_024		2874	ARCD	1	7.65	104.41	100.55	95.15			n/a	
gry_05	w2a_024		2875	ARCD	1	9.32	112.63	106.82	99.71			n/a	
gry_05	w2a_024		2876	ARCD	1	20.5	147.74	140.9	131.39			n/a	
gry_05	w2a_024		2877	ARCD	1	13	129.23	123.45	116.94		0.381	2	2
gry_05	w2a_024		2878	ARCD	1	25.79	161.98	156.05	146.2		0.793	2	2
gry_05	w2a_024		2879	ARCD	1	7.49	101.1	98.75	93.01			n/a	
gry_05	w2a_024		2880	ARCD	1	16.722	130.52	123.53	118.89	0.788	0.673	1	7
gry_05	w2a_024		2881	ARCD	1	7.69	103.42	100.99	96.12		0.066	2	1
gry_05	w2a_024		2882	ARCD	1	8.32	107.77	103.73	97.59			n/a	
gry_05	w2a_024		2883	ARCD	1	13.41	122.85	119.53	110.97			n/a	
gry_05	w2a_024		2884	ARCD	1	4.01	85.52	81.91	76.77		0.012	1	6
gry_05	w2a_024		2885	ARCD	1	15.566	128.07	122.58	117.01		0.444	2	2
gry_05	w2a_024		2886	ARCD	1	0.314						n/a	
gry_05	w2a_024		2887	ARCD	1	14.623	122.92	119.26	112.63			n/a	
gry_05	w2a_024		2888	ARCD	1	4.44	85.72	83.45	79.3		0.068	1	6
gry_05	w2a_024		2889	ARCD	1	15.022	132.4	127.2	119.94		0.442	1	7
gry_05	w2a_024		2890	ARCD	1	12.086	126.28	122.34	114.63			n/a	
gry_05	w2a_024		2891	ARCD	1	12.34	131.66	127.04	118.59			n/a	
gry_05	w2a_024		2892	ARCD	1	17.03	141.02	139.08	129.49			n/a	
gry_05	w2a_024		2893	ARCD	1	9.88	109.62	104.51	98.88			n/a	
gry_05	w2a_024		2894	ARCD	1	6.88	100.81	96.71	90.64			n/a	
gry_05	w2a_024		2895	ARCD	1	5.65	94.88	92.14	86.14			n/a	
gry_05	w2a_024		2896	ARCD	1	9.03	109.37	105.57	97.99		0.246	2	2
gry_05	w2a_024		2897	ARCD	1	5.63	92.89	89.69	84.46		0.135	1	7
gry_05	w2a_024		2898	ARCD	1	2.56	72.46	70.72	67.44		0.021	2	1
gry_05	w2a_024		2899	ARCD	1	0.47	43.57	42.05	40.32			0	Unknown
gry_05	w2a_024		2900	ARCD	1	0.74						0	Unknown
gry_05	w2a_024		2901	ARCD	1	3.61	84.08	81.47	76.34		0.045	1	6
gry_05	w2a_024		2902	ARCD	1	0.12	36.1	34.61	33.59			0	Unknown
gry_05	w2a_024		2903	ARCD	1	0.15						n/a	
gry_05	w2a_024		2904	ARCD	1	0.21						n/a	
gry_05	w2a_024		2905	ARCD	1	0.166	36.78	35.07	33.88			0	Unknown
gry_05	w2a_024		2906	ARCD	1	0.283	37.05		34.32			0	Unknown
gry_05	w2a_024		2907	ARCD	1	0.175						n/a	
gry_05	w2a_024		2908	ARCD	1	0.238	37.34	36.3	35.09			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_05	w2a_024		2909	ARCD	1	0.16	34.36	33.32	31.63			n/a	
gry_05	w2a_024		2910	ARCD	1	0.24						0	Unknown
gry_05	w2a_024		2911	ARCD	1	0.172	35.58	34.29	32.85			n/a	
gry_05	w2a_024		2912	PLCD	1	14.6	136.16	131.72	122.58		0.072	1	6
gry_05	w2a_024		2913	GLHB	1	2155	634		557		6.561	2	1
gry_05	w2a_024		2914	GLHB	1	1444	539		468		5.03	2	1
gry_05	w2a_024		2915	GLHB	1	1156	495		433		3.986	2	1
gry_05	w2a_024		2916	GLHB	1	593	413		360		1.662	2	1
gry_05	w2a_024		2917	GLHB	1	588	432		380		1.972	2	1
gry_05	w2a_024		2918	GLHB	1	690	442		387		2.508	2	1
gry_05	w2a_024		2919	GLHB	1	731	461		402		2.025	2	1
gry_05	w2a_024		2920	GLHB	1							n/a	
gry_05	w2a_024		2921	PLSC	1	107.99	174.12					n/a	
gry_05	w2a_024		2922	PLSC	1	92.987	170.52					n/a	
gry_05	w2a_024		2923	PLSC	1	0.604	38.01					n/a	
gry_05	w2a_024		2924	UNCASP	1	1.185						n/a	
gry_05	w2a_024		2925	KPSF	1	54.777	159.81		136.37		0.71	2	1
gry_05	w2a_024		2926	KPSF	1	59.498					0.346	1	7
gry_05	w2a_024		2927	KPSF	1	85.962					0.606	1	7
gry_05	w2a_024		2928	KPSF	1	80.624			144.39		0.605	1	7
gry_05	w2a_024		2929	KPSF	1	58.263			139.3		0.794	2	1
gry_05	w2a_024		2930	KPSF	1	42.985					0.302	1	7
gry_05	w2a_024		2931	KPSF	1	64.5					0.426	1	7
gry_05	w2a_024		2932	KPSF	1	44.219	144.5		126.48		0.5	2	1
gry_05	w2a_024		2933	KPSF	1	35.977					0.715	2	1
gry_05	w2a_024		2934	KPSF	1	47.793	154.2		133.35		0.296	1	7
gry_05	w2a_024		2935	KPSF	1	52.858	154.24		133.13		0.301	1	7
gry_05	w2a_024		2936	KPSF	1	25.228	134.49		116.33		0.37	2	2
gry_05	w2a_024		2937	KPSF	1	36.805	149.06		128.73		0.642	2	2
gry_05	w2a_024		2938	KPSF	1	27.947	132.78		115.43		0.598	2	2
gry_05	w2a_024		2939	KPSF	1	4.711	82.03		71.61		0.012	2	1
gry_05	w2a_024		2940	KPSF	1	4.079	80.29		71.82			0	Unknown
gry_05	w2a_024		2941	KPSF	1	1.145	53.27		49.79			0	Unknown
gry_05	w2a_024		2942	KPSF	1	0.318			34.41			0	Unknown
gry_05	w2a_024		2943	AREP	1	0.388	51.76		50.14			0	Unknown
gry_05	w2a_024		2944	SCEP	1	0.681	64.91		63.31		0.001	1	6
gry_05	w2a_024		2945	ACEP	1	0.745	65.69		63.86			n/a	
gry_05	w2a_024		2946	PLSC	1	0.145	25.97					n/a	
gry_05	w2a_024		2947	EGGC	1								
gry_06	w2a_025		2948	GLHB	1	1209	514		453		4.388	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_06	w2a_025		2949	GLHB	1	911	470		411		2.901	1	6
gry_06	w2a_025		2950	GLHB	1							n/a	
gry_06	w2a_025		2951	ARSK	1	440	379					2	skate 1
gry_06	w2a_025		2952	KPSF	1	34.558	142.62		122.34		0.248	1	7
gry_06	w2a_025		2953	GLSS	1	61.788	167.49		150.77			n/a	
gry_06	w2a_025		2954	KPSF	1	50.14	169.24		144.06		0.423	1	7
gry_06	w2a_025		2955	KPSF	1	94.089	186.24		164.76		0.533	1	7
gry_06	w2a_025		2956	KPSF	1	26.914	126.25		110.1		0.576	1	7
gry_06	w2a_025		2957	KPSF	1	90.04	197.36		174.41		0.26	1	7
gry_06	w2a_025		2958	KPSF	1	78.859	177.51		155.43		0.446	1	7
gry_06	w2a_025		2959	KPSF	1	68.09	170.09		146.9		0.523	1	7
gry_06	w2a_025		2960	KPSF	1	54.995	164.2		144.07		0.336	1	7
gry_06	w2a_025		2961	KPSF	1	59.913	175.98		154.2		0.448	1	7
gry_06	w2a_025		2962	KPSF	1	39.267	148.03		129.29		0.66	2	2
gry_06	w2a_025		2963	ARCD	1	59.011	207.83	197.38	185.28	5.106	2.987	1	7
gry_06	w2a_025		2964	ARCD	1	2.537	71.3	69.22	64.46	0.049	0.033	1	6
gry_06	w2a_025		2965	ARCD	1	26.487	155.26	149.25	143.5	1.52	0.832	1	7
gry_06	w2a_025		2966	ARCD	1	0.48	40.44		37.84			0	Unknown
gry_06	w2a_025		2967	ARCD	1	11.871	124.85	117.05	109.73	0.314	0.065	1	6
gry_06	w2a_025		2968	ARCD	1	0.593	42.07	40.19	37.74			0	Unknown
gry_06	w2a_025		2969	ARCD	1	55.995	203.86	197.75	183.89	4.216	1.479	2	2
gry_06	w2a_025		2970	DLEP	1	163	335		331			n/a	
gry_06	w2a_025		2971	ADEP	1	0.993					0.001	2	1
gry_06	w2a_025		2972	ADEP	1	12.099	152.94		147.35		0.062	2	1
gry_06	w2a_025		2973	ADEP	1	10.373	156.09		150.86		0.025	2	1
gry_06	w2a_025		2974	ADEP	1	7.862	133.29		131.45			0	Unknown
gry_06	w2a_025		2975	ADEP	1	14.341	177.5		174.4		0.092	1	7
gry_06	w2a_025		2976	ADEP	1	15.427	159.58		152.89		0.022	1	6
gry_06	w2a_025		2977	ADEP	1	12.899	154.56		148.3		0.026	2	1
gry_06	w2a_025		2978	ADEP	1	12.914	157.32		153.41		0.043	2	2
gry_06	w2a_025		2979	ADEP	1	9.579	147.92		144.71		0.003	1	6
gry_06	w2a_025		2980	ADEP	1	19.701	172.78		164.72		0.121	2	2
gry_07	w2a_026		2981	GLHB	1	491	401		352		1.669	2	1
gry_07	w2a_026		2982	GLHB	1	985	490		431		1.559	1	6
gry_07	w2a_026		2983	GLHB	1	910	486		425		2.315	2	1
gry_07	w2a_026		2984	GLHB	1	485	393		340		1.822	2	1
gry_07	w2a_026		2985	GLHB	1	1517	577		508		5.278	2	1
gry_07	w2a_026		2986	GLHB	1	1372	557		481		5.615	2	1
gry_07	w2a_026		2987	GLHB	1	1107	543		452		3.552	2	1
gry_07	w2a_026		2988	GLHB	1	653	432		374		2.018	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_07	w2a_026		2989	GLHB	1	1192	523		462		4.835	2	1
gry_07	w2a_026		2990	GLHB	1	812	474		408		2.452	2	1
gry_07	w2a_026		2991	GLHB	1	583	417		360		2.046	2	1
gry_07	w2a_026		2992	GLHB	1	895	479		413		3.157	2	1
gry_07	w2a_026		2993	GLHB	1	758	458		396		1.545	1	6
gry_07	w2a_026		2994	GLHB	1	815	463		405		2.393	2	1
gry_07	w2a_026		2995	GLHB	1	1649	568		491		8.425	2	1
gry_07	w2a_026		2996	GLHB	1	661	444		389		2.131	2	1
gry_07	w2a_026		2997	GLHB	1							n/a	
gry_07	w2a_026		2998	GLHB	1							n/a	
gry_07	w2a_026		2999	ARSK	1	511	422			44	2.187	1	skate 1
gry_07	w2a_026		3000	ARSK	1	391	366			35		2	skate 1
gry_07	w2a_026		3001	ARSK	1	685	391			43	2.457	2	skate 1
gry_07	w2a_026		3002	ARSK	1	332	355			32		2	skate 1
gry_07	w2a_026		3003	ARSK	1	868	462			85		2	skate 1
gry_07	w2a_026		3004	ARSK	1	1534	620			153	34	1	skate 2
gry_07	w2a_026		3005	GLSS	1	75.878				165.43		n/a	
gry_07	w2a_026		3006	GLSS	1	58.08	188.25			172.58		n/a	
gry_07	w2a_026		3007	GLSS	1	76.604					3.277	2	2
gry_07	w2a_026		3008	GLSS	1	32.214	176.66			165.78	0.136	1	6
gry_07	w2a_026		3009	KPSF	1	45.229	158.74			137.15	0.233	1	6.5
gry_07	w2a_026		3010	KPSF	1	49.596	163.26			133.12	0.305	1	7
gry_07	w2a_026		3011	KPSF	1	58.886	157.52			148.71	0.883	2	2
gry_07	w2a_026		3012	KPSF	1	93.346	204.5			183	0.554	1	7
gry_07	w2a_026		3013	UNLIPA	1	43.598	186.94			170.51		n/a	
gry_07	w2a_026		3014	ARCD	1	3.123	78.81	75.35	71.39	0.145	0.035	1	6
gry_07	w2a_026		3015	ARCD	1	0.541	45.56	44.35	42.77			0	Unknown
gry_07	w2a_026		3016	LEEP	1	400	405			392	0.336	1	6 or 9
gry_07	w2a_026		3017	ADEP	1	3.367	137.16			133.8	0.016	2	1
gry_07	w2a_026		3018	ADEP	1	0.47						0	Unknown
gry_07	w2a_026		3019	ADEP	1	5.151	113.42			110.79	0.001	1	6
gry_07	w2a_026		3020	ADEP	1	11.688	167.59			164.52	0.081	1	7
gry_07	w2a_026		3021	ADEP	1	7.598	138.05			133.29	0.001	1	6
gry_07	w2a_026		3022	ADEP	1	4.269					0.001	1	6
gry_07	w2a_026		3023	ADEP	1	0.196	45.93			44.37		0	Unknown
gry_07	w2a_026		3024	ARCD	1	0.544	48.34			43.58	0.015	0	Unknown
gry_hc1	mwt_010		3025	GLSS	1	35.41				126.55		n/a	
gry_hc1	mwt_010		3026	GLSS	1	4.211	79.61			71.78		0	Unknown
gry_hc1	mwt_010		3027	ARCD	1	4.29	87.2	84.53	79.56		0.033	2	1
gry_hc1	mwt_010		3028	ARCD	1	2.8	74.46	72.18	68.12			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc1	mwt_010		3029	ARCD	1	3.57	82.17	80.32	76.48		0.035	1	6
gry_hc1	mwt_010		3030	ARCD	1	7.33	108.69	106.68	100.23		0.031	1	6
gry_hc1	mwt_010		3031	ARCD	1	4.74	89.36	86.42	80.79		0.023	2	1
gry_hc1	mwt_010		3032	ARCD	1	4.5	87.39	84.45	79.32		0.082	1	7
gry_hc1	mwt_010		3033	ARCD	1	3.63	83.34	81.5				n/a	
gry_hc1	mwt_010		3034	ARCD	1	4.5	89.69	86.16	81.69		0.047	2	1
gry_hc1	mwt_010		3035	ARCD	1	3.5	80.56	78.7	73.43		0.032	1	6
gry_hc1	mwt_010		3036	ARCD	1	3.1	80.39	77.65	73.25			n/a	
gry_hc1	mwt_010		3037	ARCD	1	3.3	81.56	78.76	73.76			n/a	
gry_hc1	mwt_010		3038	ARCD	1	2.58	73.2	70.94	68.1			n/a	
gry_hc1	mwt_010		3039	ARCD	1	2.075	73.21	70.94	68.51			n/a	
gry_hc1	mwt_010		3040	ARCD	1	4.45	85.78	83.1	80.2		0.046	2	1
gry_hc1	mwt_010		3041	ARCD	1	3.67		78.7	76.12			n/a	
gry_hc1	mwt_010		3042	ARCD	1	2.77	73.24	71.7	67.8		0.035	2	1
gry_hc1	mwt_010		3043	ARCD	1	2.49	73.55	71.43	68.66			n/a	
gry_hc1	mwt_010		3044	ARCD	1	2.08	68.28	66.3	62.6		0.016	2	1
gry_hc1	mwt_010		3045	ARCD	1	0.47	47.42	46.37	43.94		0.006	2	1
gry_hc1	mwt_010		3046	ARCD	1	2.295	70.49	68.27	64.18		0.004	0	Unknown
gry_hc1	mwt_010		3047	ARCD	1	0.23						0	Unknown
gry_hc2	w2a_027		3048	GLLF	1	3.736		69.03	66.15			0	Unknown
gry_hc2	w2a_027		3049	ARCD	1	7.43	100.65	99.2	91.81			n/a	
gry_hc2	w2a_027		3050	ARCD	1	5.27	89.27	87.08	82.05			n/a	
gry_hc2	w2a_027		3051	ARCD	1	4.76	92.55	89.25	84.35			n/a	
gry_hc2	w2a_027		3052	ARCD	1	4.23	89.93	87.45	83.05			n/a	
gry_hc2	w2a_027		3053	ARCD	1	3.82	84.98	82.83	77.67			n/a	
gry_hc2	w2a_027		3054	ARCD	1	5.34	94.37	91.02	85.56			n/a	
gry_hc2	w2a_027		3055	ARCD	1	14.95	135.87	131.43	124.59			n/a	
gry_hc2	w2a_027		3056	ARCD	1	20.26	144.39	139.19	129.77			n/a	
gry_hc2	w2a_027		3057	ARCD	1	6.19	98.71	95.54	89.16			n/a	
gry_hc2	w2a_027		3058	ARCD	1	3.24	81.63	79.57	75.39			n/a	
gry_hc2	w2a_027		3059	ARCD	1	4.57	85.64	83.39	80.56			n/a	
gry_hc2	w2a_027		3060	ARCD	1	5.05	92.19	90.13	80.46			n/a	
gry_hc2	w2a_027		3061	ARCD	1	7.92	107.67	103.44	98.21			n/a	
gry_hc2	w2a_027		3062	ARCD	1	2.36	79.24	77.63	73.07			n/a	
gry_hc2	w2a_027		3063	ARCD	1	6.04	99.58	95.8	89.42			n/a	
gry_hc2	w2a_027		3064	ARCD	1	4.86	93.49	89.31	85.07			n/a	
gry_hc2	w2a_027		3065	ARCD	1	3.93	91.13	87.45	82.26			n/a	
gry_hc2	w2a_027		3066	ARCD	1	14.66	129.76	126.33	118.64			n/a	
gry_hc2	w2a_027		3067	ARCD	1	26.21	171.89	167.83	154.28		1.77	1	7
gry_hc2	w2a_027		3068	ARCD	1	49.87	208.63	201.71	191.09		2.788	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027		3069	ARCD	1	27.14	164.2	157.08	145.7			n/a	
gry_hc2	w2a_027		3070	ARCD	1	36.06	186.99	179.42	169.05			n/a	
gry_hc2	w2a_027		3071	ARCD	1	31.81	172.2	167.23	155.81		0.931	2	2
gry_hc2	w2a_027		3072	ARCD	1	18.12	148.74	142.81	133.4			n/a	
gry_hc2	w2a_027		3073	ARCD	1	22.33		150.48	144.32			n/a	
gry_hc2	w2a_027		3074	ARCD	1	15.32	134.84	130.25	123.04		0.278	2	2
gry_hc2	w2a_027		3075	ARCD	1	11.82	120.24	115.37	111.55			n/a	
gry_hc2	w2a_027		3076	ARCD	1	15.42	135.69	130.26	122.42			n/a	
gry_hc2	w2a_027		3077	ARCD	1	5.36	91.52	89.5	84.55			n/a	
gry_hc2	w2a_027		3078	ARCD	1	12.26	125.89	121.55	113.57			n/a	
gry_hc2	w2a_027		3079	ARCD	1	8.62	111.98	108.41	101.06			n/a	
gry_hc2	w2a_027		3080	ARCD	1	3.08	79.26	77.09	73.15			n/a	
gry_hc2	w2a_027		3081	ARCD	1	7.62	106.04	101.81	95.93			n/a	
gry_hc2	w2a_027		3082	ARCD	1	5.01	90.41	87.52	83.04			n/a	
gry_hc2	w2a_027		3083	ARCD	1	5.27	94.87	91.47	85.61			n/a	
gry_hc2	w2a_027		3084	ARCD	1	3.47	82.31	79.63	75.24			n/a	
gry_hc2	w2a_027		3085	ARCD	1	4.94	90.55	87.07	82.94			n/a	
gry_hc2	w2a_027		3086	ARCD	1	4.66	87.76	84.58	79.86			n/a	
gry_hc2	w2a_027		3087	ARCD	1	4.02	84.53	82.24	77.82			n/a	
gry_hc2	w2a_027		3088	ARCD	1	6.97	100.4	96.38	90.59			n/a	
gry_hc2	w2a_027		3089	ARCD	1	2.59	72.9	70.4	65.53			n/a	
gry_hc2	w2a_027		3090	ARCD	1	6.14						n/a	
gry_hc2	w2a_027		3091	ARCD	1	4.47	91.83	88.8	84.02			n/a	
gry_hc2	w2a_027		3092	ARCD	1	3.52	82.38	79.44	74.69			n/a	
gry_hc2	w2a_027		3093	ARCD	1	25.36	146.14	141.84	133.54		0.655	2	2
gry_hc2	w2a_027		3094	ARCD	1	8.58	110.15	105.97	98.92			n/a	
gry_hc2	w2a_027		3095	ARCD	1	10.37	115.18	111.82	105.02			n/a	
gry_hc2	w2a_027		3096	ARCD	1	8.8	110.87	106.19	99.89			n/a	
gry_hc2	w2a_027		3097	ARCD	1	4.93	90.54	87.12	83.3			n/a	
gry_hc2	w2a_027		3098	ARCD	1	4.91	94.91	91.99	87.46			n/a	
gry_hc2	w2a_027		3099	ARCD	1	9.03	117.11	112.96	106.07			n/a	
gry_hc2	w2a_027		3100	ARCD	1	4.82	89.9	86.18	81.01			n/a	
gry_hc2	w2a_027		3101	ARCD	1	6.47	103.01	99.69	93.33			n/a	
gry_hc2	w2a_027		3102	ARCD	1	3.47	75.56	74.35	71.57			n/a	
gry_hc2	w2a_027		3103	ARCD	1	4.5	89.82	86.24	79.85			n/a	
gry_hc2	w2a_027		3104	ARCD	1	4.83	90.78	88.43	82.63			n/a	
gry_hc2	w2a_027		3105	ARCD	1	5.04	88.55	85.81	80.97			n/a	
gry_hc2	w2a_027		3106	ARCD	1	5.16	91.88	88.72	83.41			n/a	
gry_hc2	w2a_027		3107	ARCD	1	4.98			84.06			n/a	
gry_hc2	w2a_027		3108	ARCD	1	6.88	102.73	99.33	92.44			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027		3109	ARCD	1	4.44	80.94	79.36	74.66			n/a	
gry_hc2	w2a_027		3110	ARCD	1	9.51	115.99	112.36	106.04		0.211	2	2
gry_hc2	w2a_027		3111	ARCD	1	5.85	97.65	94.01	88.38			n/a	
gry_hc2	w2a_027		3112	ARCD	1	5.77	91.85	89.52	83.68			n/a	
gry_hc2	w2a_027		3113	ARCD	1	5.52	90.75	87.81	83.59			n/a	
gry_hc2	w2a_027		3114	ARCD	1	5.26	93.13	90.46	85			n/a	
gry_hc2	w2a_027		3115	ARCD	1	8.61	108.26	103.46	98.13			n/a	
gry_hc2	w2a_027		3116	ARCD	1	5.38	96.94	94.8	89.68			n/a	
gry_hc2	w2a_027		3117	ARCD	1	3.98	85.48	83.02	77.63			n/a	
gry_hc2	w2a_027		3118	ARCD	1	4.16	85.4	83.19	77.53			n/a	
gry_hc2	w2a_027		3119	ARCD	1	3.38	77.27	75.52	73.03			n/a	
gry_hc2	w2a_027		3120	ARCD	1	26.95	160.86	154.83	145.51		0.346	2	2
gry_hc2	w2a_027		3121	ARCD	1	7.38	103.85	100.66	94.99			n/a	
gry_hc2	w2a_027		3122	ARCD	1	8.37	105.87	103.93	97.6			n/a	
gry_hc2	w2a_027		3123	ARCD	1	4.92	88.93	86.11	81.8			n/a	
gry_hc2	w2a_027		3124	ARCD	1	4.84	89.69	87.07	81.5			n/a	
gry_hc2	w2a_027		3125	ARCD	1	6.89	98.04	94.85	89.2			n/a	
gry_hc2	w2a_027		3126	ARCD	1	4.23	87.38	85.82	80.81			n/a	
gry_hc2	w2a_027		3127	ARCD	1	6.47	99.41	96.93	91.03			n/a	
gry_hc2	w2a_027		3128	ARCD	1	2.21	70.03	67.79	64.18			n/a	
gry_hc2	w2a_027		3129	ARCD	1	4.63	88.98	86.18	80.96			n/a	
gry_hc2	w2a_027		3130	ARCD	1	13.63	126.16	120.84	114		0.35	1	7
gry_hc2	w2a_027		3131	ARCD	1	6.3	97.41	94.09	89.51			n/a	
gry_hc2	w2a_027		3132	ARCD	1	21.93	142.53	137.28	130.33			n/a	
gry_hc2	w2a_027		3133	ARCD	1	4.37	90.86	87.64	82.72			n/a	
gry_hc2	w2a_027		3134	ARCD	1	6.62	99.11	94.59	88.76			n/a	
gry_hc2	w2a_027		3135	ARCD	1	5.21	91.06	87.57	82.64			n/a	
gry_hc2	w2a_027		3136	ARCD	1	6.06	94.83	92.18	86.91			n/a	
gry_hc2	w2a_027		3137	ARCD	1	3.98	87.7	85.55	80.65			n/a	
gry_hc2	w2a_027		3138	ARCD	1	16.72	144.02	138.61	130.27			n/a	
gry_hc2	w2a_027		3139	ARCD	1	9.11	110.1	105.81	99.44			n/a	
gry_hc2	w2a_027		3140	ARCD	1	20.16	147.62	141.23	132.84			n/a	
gry_hc2	w2a_027		3141	ARCD	1	4.76	91.45	89.61	84.87			n/a	
gry_hc2	w2a_027		3142	ARCD	1	5.68	92.93	91.31	87.14			n/a	
gry_hc2	w2a_027		3143	ARCD	1	3.3	80.81	79.18	74.19		0.057	1	6
gry_hc2	w2a_027		3144	ARCD	1	3.11	81.04	78.72	74.47			n/a	
gry_hc2	w2a_027		3145	ARCD	1	2.74	80.36	78.03	73.97			n/a	
gry_hc2	w2a_027		3146	ARCD	1	7.64	108.77	103.71	97.08			n/a	
gry_hc2	w2a_027		3147	ARCD	1	5.48	94.42	91.43	87.08			n/a	
gry_hc2	w2a_027		3148	ARCD	1	16.04	129.91	126.62	118.49			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027		3149	ARCD	1	4.47	87.16	85.1	80.53			n/a	
gry_hc2	w2a_027		3150	ARCD	1	3.83	86.71	84.37	79.71			n/a	
gry_hc2	w2a_027		3151	ARCD	1	5.57	93.9	91.61	85.77			n/a	
gry_hc2	w2a_027		3152	ARCD	1	16.84	142.64	136.43	127.59			n/a	
gry_hc2	w2a_027		3153	ARCD	1	5.09	92.04	89.14	83.19			n/a	
gry_hc2	w2a_027		3154	ARCD	1	14.21	132.23	126.9	117.9			n/a	
gry_hc2	w2a_027		3155	ARCD	1	3.84	81.87	79.21	74.64		0.024	1	6
gry_hc2	w2a_027		3156	ARCD	1	18.25	136.18	132.69	124.11			n/a	
gry_hc2	w2a_027		3157	ARCD	1	4.82	87.87	85.84	81.63			n/a	
gry_hc2	w2a_027		3158	ARCD	1	11.22	113.89	111.21	104.5			n/a	
gry_hc2	w2a_027		3159	ARCD	1	6.54	93.92	92.27	86.25			n/a	
gry_hc2	w2a_027		3160	ARCD	1	13.15	127.69	124.69	116.06			n/a	
gry_hc2	w2a_027		3161	ARCD	1	4.57	89.87	87.02	81.66			n/a	
gry_hc2	w2a_027		3162	ARCD	1	6.87	90.84	88.52	83.42			n/a	
gry_hc2	w2a_027		3163	ARCD	1	6.27	95.81	92.03	86.81			n/a	
gry_hc2	w2a_027		3164	ARCD	1	5.88	93.23	91.19	85.97			n/a	
gry_hc2	w2a_027		3165	ARCD	1	5.35	94.57	90.56	84.98			n/a	
gry_hc2	w2a_027		3166	ARCD	1	7.05	99.26	94.04	89.02			n/a	
gry_hc2	w2a_027		3167	ARCD	1	6.47	102.79	100.33	93.01			n/a	
gry_hc2	w2a_027		3168	ARCD	1	6.54	102.98	100.39	94.48			n/a	
gry_hc2	w2a_027		3169	ARCD	1	5.13	94.36	91.79	85.56			n/a	
gry_hc2	w2a_027		3170	ARCD	1	11.01	127.08	122.12	113.65			n/a	
gry_hc2	w2a_027		3171	ARCD	1	11.74	119.38	116.03	107.84			n/a	
gry_hc2	w2a_027		3172	ARCD	1	8.78	109.92	107.93	100.69			n/a	
gry_hc2	w2a_027		3173	ARCD	1	10.32	114.31	109.28	103.65			n/a	
gry_hc2	w2a_027		3174	ARCD	1	6.47	96.88	94.74	89.47			n/a	
gry_hc2	w2a_027		3175	ARCD	1	7.16	104.64	100.77	93.72			n/a	
gry_hc2	w2a_027		3176	ARCD	1	6.83	103.06	99.97	94.62			n/a	
gry_hc2	w2a_027		3177	ARCD	1	10.99	120.04	115.19	107.15			n/a	
gry_hc2	w2a_027		3178	ARCD	1	5.45	96.42	92.96	88.03		0.104	1	6
gry_hc2	w2a_027		3179	ARCD	1	13.57	130.45	125.27	119.9			n/a	
gry_hc2	w2a_027		3180	ARCD	1	7.78	105.21	102.57	96.09			n/a	
gry_hc2	w2a_027		3181	ARCD	1	11.81	122.81	118.75	110.65			n/a	
gry_hc2	w2a_027		3182	ARCD	1	4.98	93.8	91.44	85.04			n/a	
gry_hc2	w2a_027		3183	ARCD	1	7.11	107.47	103.42	97.04			n/a	
gry_hc2	w2a_027		3184	ARCD	1	10.19	118.94	115.15	108.13			n/a	
gry_hc2	w2a_027		3185	ARCD	1	5.27	91.57	88.88	83.42			n/a	
gry_hc2	w2a_027		3186	ARCD	1	4.18	86.96	84.04	79.09		0.134	2	1
gry_hc2	w2a_027		3187	ARCD	1	4.62	91.18	88.26	82.55			n/a	
gry_hc2	w2a_027		3188	ARCD	1	2.86	78.24	76.01	72.76			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027		3189	ARCD	1	7.18	106.34	102.34	86.95			n/a	
gry_hc2	w2a_027		3190	ARCD	1	6.19	94.19	92.12	86.73			n/a	
gry_hc2	w2a_027		3191	ARCD	1	3.32	81.6	79.3	74.62			n/a	
gry_hc2	w2a_027		3192	ARCD	1	2.31	70.79	66.37	64.31		0.016	2	1
gry_hc2	w2a_027		3193	ARCD	1	11.3	124.24	118.3	111.6			n/a	
gry_hc2	w2a_027		3194	ARCD	1	3.88	86.44	84.41	78.99			n/a	
gry_hc2	w2a_027		3195	ARCD	1	6.22	98.26	94.77	88.06			n/a	
gry_hc2	w2a_027		3196	ARCD	1	22.56	150.68	147.85	135.58		0.701	1	7
gry_hc2	w2a_027		3197	ARCD	1	5.07	91.5	88.6	83.22			n/a	
gry_hc2	w2a_027		3198	ARCD	1	18.66	146.92	141.63	133.27			n/a	
gry_hc2	w2a_027		3199	ARCD	1	6.78	103.49	101.53	95.12			n/a	
gry_hc2	w2a_027		3200	ARCD	1	10.18	116.21	110.5	104.48		0.312	2	2
gry_hc2	w2a_027		3201	ARCD	1	12.71	117.37	112.13	106.34			n/a	
gry_hc2	w2a_027		3202	ARCD	1	4.68	89.69	87.63	82.64			n/a	
gry_hc2	w2a_027		3203	ARCD	1	4.43	86.57	83.87	78.81			n/a	
gry_hc2	w2a_027		3204	ARCD	1	4.29	86.71	84.11	79.37			n/a	
gry_hc2	w2a_027		3205	ARCD	1	6.96	97.38	93.88	88.01		0.129	2	1
gry_hc2	w2a_027		3206	ARCD	1	3.89	90.78	87.83	82.71			n/a	
gry_hc2	w2a_027		3207	ARCD	1	4.08	86.66	84.44	79.57			n/a	
gry_hc2	w2a_027		3208	ARCD	1	15.85	130.41	123.91	116.81			n/a	
gry_hc2	w2a_027		3209	ARCD	1	3.93	83.14	80.34	76.42			n/a	
gry_hc2	w2a_027		3210	ARCD	1	6.03	96.13	92.87	89.95			n/a	
gry_hc2	w2a_027		3211	ARCD	1	9.15	114.87	111.33	103.31			n/a	
gry_hc2	w2a_027		3212	ARCD	1	9.23	117.75	114.47	106.73			n/a	
gry_hc2	w2a_027		3213	ARCD	1	5.37	95.32	92.44	86.94			n/a	
gry_hc2	w2a_027		3214	ARCD	1	12.92	128.37	124.51	116.33		0.517	1	7
gry_hc2	w2a_027		3215	ARCD	1	6.46	96.06	92.54	87.15			n/a	
gry_hc2	w2a_027		3216	ARCD	1	6.32	102.61	99.45	93.82			n/a	
gry_hc2	w2a_027		3217	ARCD	1	6.15	93.35	90.96	85.09		0.086	2	2
gry_hc2	w2a_027		3218	ARCD	1	4.93	90.7	87.66	82.46			n/a	
gry_hc2	w2a_027		3219	ARCD	1	4.02	89.88	87.27	82.18			n/a	
gry_hc2	w2a_027		3220	ARCD	1	4.96	94.1	90.84	84.17			n/a	
gry_hc2	w2a_027		3221	ARCD	1	2.95	77.69	75.09	70.21			n/a	
gry_hc2	w2a_027		3222	ARCD	1	5.2	93.4	90.72	84.29			n/a	
gry_hc2	w2a_027		3223	ARCD	1	5.03	91.39	87.37	83.09			n/a	
gry_hc2	w2a_027		3224	ARCD	1	5.88	93.26	90.61	85.22			n/a	
gry_hc2	w2a_027		3225	ARCD	1	3.53	84.06	82.09	76.48			n/a	
gry_hc2	w2a_027		3226	ARCD	1	5.82	95.92	93.31	87.72			n/a	
gry_hc2	w2a_027		3227	ARCD	1	5.63	92.81	89.71	84.49			n/a	
gry_hc2	w2a_027		3228	ARCD	1	16.35	136.35	132.72	124.25		0.535	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027		3229	ARCD	1	5.42	92.73	89.95	83.55			n/a	
gry_hc2	w2a_027		3230	ARCD	1	9.71	114.8	111.11	103.38			n/a	
gry_hc2	w2a_027		3231	ARCD	1	4.79	92.02	88.88	84.23			n/a	
gry_hc2	w2a_027		3232	ARCD	1	5.84	92.98	90.14	85.31			n/a	
gry_hc2	w2a_027		3233	ARCD	1	9.78	120.41	115.89	108.96			n/a	
gry_hc2	w2a_027		3234	ARCD	1	9.2	113.08	108.88	102.39			n/a	
gry_hc2	w2a_027		3235	ARCD	1	7.97	102.81	98.52	93.33			n/a	
gry_hc2	w2a_027		3236	ARCD	1	7.41	100.76	97.47	91.31			n/a	
gry_hc2	w2a_027		3237	ARCD	1	17.97	145.36	140.01	131.99			n/a	
gry_hc2	w2a_027		3238	ARCD	1	4.53		87.52	78.02			n/a	
gry_hc2	w2a_027		3239	ARCD	1	11.53	125.25	122.09	114.92			n/a	
gry_hc2	w2a_027		3240	ARCD	1	5.83	91.75	89.42	83.77			n/a	
gry_hc2	w2a_027		3241	ARCD	1	5.79	91.81	88.14	83.22			n/a	
gry_hc2	w2a_027		3242	ARCD	1	7.7	101.31	96.58	91.56			n/a	
gry_hc2	w2a_027		3243	ARCD	1	5.22	96.26	92.57	87.11			n/a	
gry_hc2	w2a_027		3244	ARCD	1	5.8	97.09	94.06	88.54		0.075	1	6
gry_hc2	w2a_027		3245	ARCD	1	3.52	82.14	80.12	74.9			n/a	
gry_hc2	w2a_027		3246	ARCD	1	7.99	114.63	111.69	105.44			n/a	
gry_hc2	w2a_027		3247	ARCD	1	8.8	110.12	108.05	101.39		0.073	2	2
gry_hc2	w2a_027		3248	ARCD	1	11.34	113.95	109.71	102.92			n/a	
gry_hc2	w2a_027		3259	ARCD	1	0.16	34.67	33.59	31.31			0	Unknown
gry_hc2	w2a_027	3262	3262	ARCD	20							n/a	
gry_hc2	w2a_027	3263	3263	ARCD	20							n/a	
gry_hc2	w2a_027	3265	3265	ARCD	20							n/a	
gry_hc2	w2a_027		3266	GLSS	1	3.13			63.95			0	Unknown
gry_hc2	w2a_027	3267	3267	ARCD	20							n/a	
gry_hc2	w2a_027	3268	3268	ARCD	20							n/a	
gry_hc2	w2a_027	3270	3270	ARCD	20							n/a	
gry_hc2	w2a_027	3271	3271	ARCD	20							n/a	
gry_hc2	w2a_027	3272	3272	ARCD	20							n/a	
gry_hc2	w2a_027	3273	3273	ARCD	20							n/a	
gry_hc2	w2a_027	3274	3274	ARCD	20							n/a	
gry_hc2	w2a_027	3275	3275	ARCD	20							n/a	
gry_hc2	w2a_027	3276	3276	ARCD	20							n/a	
gry_hc2	w2a_027	3277	3277	ARCD	20							n/a	
gry_hc2	w2a_027	3279	3279	ARCD	20							n/a	
gry_hc2	w2a_027	3280	3280	ARCD	20							n/a	
gry_hc2	w2a_027	3281	3281	ARCD	20							n/a	
gry_hc2	w2a_027	3282	3282	ARCD	20							n/a	
gry_hc2	w2a_027	3283	3283	ARCD	20							n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3284	3284	ARCD	20							n/a	
gry_hc2	w2a_027	3285	3285	ARCD	20							n/a	
gry_hc2	w2a_027	3286	3286	ARCD	20							n/a	
gry_hc2	w2a_027	3287	3287	ARCD	3							n/a	
gry_hc2	w2a_027		3288	ARCD	1	0.434	44.95	42.63	40.16			0	Unknown
gry_hc2	w2a_027		3289	ACEP	1	15.023	153.9		150.56			n/a	
gry_hc2	w2a_027		3290	LEEP	1	231	340		325			n/a	
gry_hc3	eht_001		3291	ARCD	1	0.2	36.55					n/a	
tbs_01	bbt_024_025		3292	GNBL	1							n/a	
tbs_01	bbt_024_025		3293	THSC	1	1.797	51.58		44		0.036	1	7
tbs_01	bbt_024_025		3294	THSC	1	0.82	47.29		39.49		0.001	2	Unknown
tbs_01	bbt_024_025		3295	VGSF	1	3.228	71.23		59.94			n/a	
tbs_01	bbt_024_025		3296	KPSF	1	0.072			25.09			0	Unknown
tbs_01	bbt_024_025		3297	SPSC	1	2.132	61.01		51.85		0.036	1	7
tbs_01	bbt_024_025		3298	ARAF	1	2.269	64.94		56.57			n/a	
tbs_01	bbt_024_025		3299	ARAF	1	1.05	55.76		49.52		0.015	2	2
tbs_01	bbt_024_025		3300	ARAF	1	1.165	54.9		48.54		0.027	2	1
tbs_01	bbt_024_025		3301	ARAF	1	1.251	54.25		49.93		0.051	2	2
tbs_01	bbt_024_025		3302	ARCD	1	3.33	43.37	40.7	37.64			n/a	
tbs_01	bbt_024_025		3303	UNICSP	1	0.177	27.8		24.82			0	Unknown
tbs_01	bbt_024_025		3304	RBSC	1	0.44	41.17		36.19			0	Unknown
tbs_01	bbt_024_025		3305	ARSS	1	0.322	34.61		28.77			0	Unknown
tbs_01	bbt_024_025		3306	CAEP	1	0.238	40.71		39.24			0	Unknown
tbs_01	bbt_024_025		3307	CAEP	1	0.226	42.91		41.92			0	Unknown
tbs_01	bbt_024_025		3308	UNCYCL	1							n/a	
tbs_01	w2a_028		3309	ARCD	1	7.23			53.28		0.419	1	7
tbs_01	w2a_028		3310	ARCD	1	4.1	83.58	81.47	76.14		0.149	1	7
tbs_01	w2a_028		3311	ARCD	1	4.845	85.67	82.33	78.63	0.279	0.153	1	6
tbs_01	w2a_028		3312	ARCD	1	8.068	102.61	100.22	94.45		0.333	1	7
tbs_01	w2a_028		3313	ARCD	1	4.06	83.16	80.77	76.3		0.141	1	7
tbs_01	w2a_028		3314	ARCD	1	5.03	94.37	91.14	86.44		0.081	2	2
tbs_01	w2a_028		3315	ARCD	1	3.53	78.01	76.28	71.35	0.231	0.077	1	6
tbs_01	w2a_028		3316	ARCD	1	3.45	76.99	75.21	69.89			n/a	
tbs_01	w2a_028		3317	ARCD	1	1.64	62.31	60.27	56.94		0.004	1	6
tbs_01	w2a_028		3318	ARCD	1	1.4	61.61	59.72	55.92			n/a	
tbs_01	w2a_028		3319	ARCD	1	2.42	76.16	74.34	69.58			n/a	
tbs_01	w2a_028		3320	ARCD	1	2.76	76.39	73.86	69.43			n/a	
tbs_01	w2a_028		3321	ARCD	1	3.72	87.57	79.75	75.35			n/a	
tbs_01	w2a_028		3322	ARCD	1	5.24	88.37	85.8	80.33			n/a	
tbs_01	w2a_028		3323	ARCD	1	6.1	92.28	89.5	83.49			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_01	w2a_028		3324	ARCD	1	7.945			91.17		0.344	1	7
tbs_01	w2a_028		3325	ARCD	1	5.813	87.6	84.92	78.69	0.165	0.282	1	7
tbs_01	w2a_028		3326	ARCD	1	1.45	61.8	60.44	56.31			0	Unknown
tbs_01	w2a_028		3327	ARCD	1	5.12	90.72	88.17	83.4			n/a	
tbs_01	w2a_028		3328	ARCD	1	6.117	91.21	89.79	84.91	0.329	0.102	2	2
tbs_01	w2a_028		3329	ARCD	1	4.76			79.86			n/a	
tbs_01	w2a_028		3330	ARCD	1	5.29	90.31	88.53	82.1			n/a	
tbs_01	w2a_028		3331	ARCD	1	7.525	99.11	96.54	91.81		0.134	2	1
tbs_01	w2a_028		3332	ARCD	1	2.3	75.06	73.31	68.26			n/a	
tbs_01	w2a_028		3333	ARCD	1	3.281	77.34	75.1	70.65	0.165	0.035	1	6
tbs_01	w2a_028		3334	ARCD	1	5.8	92.85	91.6	86.52			n/a	
tbs_01	w2a_028		3335	ARCD	1	3.88	84.93	82.19	77.9			n/a	
tbs_01	w2a_028		3336	ARCD	1	5.01	86.44	83.89	80.18		0.112	1	7
tbs_01	w2a_028		3337	ARCD	1	3.091	79.61	77.96	72.55		0.047	1	6
tbs_01	w2a_028		3338	ARCD	1	2.59	73.54	71.75	67.48		0.021	2	1
tbs_01	w2a_028		3339	ARCD	1		88.4	86.81	82.83			n/a	
tbs_01	w2a_028		3340	ARCD	1	4.82	88.99	87.13	82.08			n/a	
tbs_01	w2a_028		3341	ARCD	1	3.6	79.17	76.85	71.68			n/a	
tbs_01	w2a_028		3342	ARCD	1	1.55	53.78	51.53	49.71			0	Unknown
tbs_01	w2a_028		3343	ARCD	1	1.46	61.72	59.35	55.36			n/a	
tbs_01	w2a_028		3344	ARCD	1	1.27	60.18	58.59	54.87			n/a	
tbs_01	w2a_028		3345	ARCD	1	5.09	88.57		82.04			n/a	
tbs_01	w2a_028		3346	ARCD	1	4.54	92.67	88.6	83.65			n/a	
tbs_01	w2a_028		3347	ARCD	1	1.61	66.34	64.43	60.2		0.007	2	1
tbs_01	w2a_028		3348	ARCD	1	7.334	98.91	96.17	91.81		0.123	2	1
tbs_01	w2a_028		3349	ARCD	1	6.533	94.07	90.37	84.68	0.073	2.05	1	6
tbs_01	w2a_028		3350	ARCD	1	3.45	87.86	86.26	80.15			n/a	
tbs_01	w2a_028		3351	ARCD	1	2.9	74.08	71.55	68.14	0.124	0.046	1	6
tbs_01	w2a_028		3352	ARCD	1	6.79	99.54	96.5	88.35			n/a	
tbs_01	w2a_028		3353	ARCD	1	2.48	71	70.12	65.15			n/a	
tbs_01	w2a_028		3354	ARCD	1	1.265	58.49	57.2	53.12			n/a	
tbs_01	w2a_028		3355	ARCD	1	0.474	41.97	40.46	38.34			0	Unknown
tbs_01	w2a_028		3356	ARCD	1	2.07	73.77	71.25	66.96			n/a	
tbs_01	w2a_028		3357	ARCD	1	1.736	63.02	60.53	56.35	0.039	0.014	1	6
tbs_01	w2a_028		3358	ARCD	1	0.43	42.2	40.33	38.44			0	Unknown
tbs_01	w2a_028		3359	ARCD	1	0.14						0	Unknown
tbs_01	w2a_028		3360	ARCD	1	1.493	57.13		52.51			0	Unknown
tbs_01	w2a_028		3361	ARCD	1	1.08	56.9	55.16	52.72		0.007	0	Unknown
tbs_01	w2a_028		3362	ARAF	1	1.429	59.5		52.7		0.051	2	2
tbs_01	w2a_028		3363	ARAF	1	1.065	53.85		47.11		0.014	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_01	w2a_028		3364	ARAF	1	0.602	46.3		40.6		0.001	1	6
tbs_01	w2a_028		3365	ARAF	1	1.336	56.94		49.75		0.028	1	7
tbs_01	w2a_028		3366	ARAF	1	1.556	58.87		52.54		0.053	2	2
tbs_01	w2a_028		3367	ARAF	1	1.197	54.65		47.48		0.027	2	1
tbs_01	w2a_028		3368	ARAF	1	0.952	53.66		47.72		0.027	1	7
tbs_01	w2a_028		3369	ARAF	1	0.867	51.26		44.15		0.015	2	1
tbs_01	w2a_028		3370	ARAF	1	0.93	51.23		44.47		0.013	1	7
tbs_01	w2a_028		3371	ARAF	1	1.338	56.78		49.64		0.037	1	7
tbs_01	w2a_028		3372	ARAF	1	1.533	60.44		53.03		0.033	1	7
tbs_01	w2a_028		3373	ARAF	1	1.718					0.075	2	2
tbs_01	w2a_028		3374	ARAF	1	1.254	54.08		48.08		0.044	1	7
tbs_01	w2a_028		3375	ARAF	1	1.188	55.58		48.29		0.027	1	7
tbs_01	w2a_028		3376	ARAF	1	0.92	50.9		44.93		0.011	1	7
tbs_01	w2a_028		3377	ARAF	1	1.1	51.94		47.24		0.02	2	2
tbs_01	w2a_028		3378	ARAF	1	0.377	43.86		37.59			0	Unknown
tbs_01	w2a_028		3379	ARAF	1	0.726	49.13		43.85		0.011	1	7
tbs_01	w2a_028		3380	ARAF	1	0.471	43.41		37.52			0	Unknown
tbs_01	w2a_028		3381	ARAF	1	0.791	49.75		44.6		0.011	1	7
tbs_01	w2a_028		3382	RBSC	1	0.373	42.57		36.69			0	Unknown
tbs_01	w2a_028		3383	SPSC	1	8.463	78.15		66.15		1.651	2	2
tbs_01	w2a_028		3384	THSC	1	2.613	60.99		51.85		0.466	2	2.5
tbs_01	w2a_028		3385	SPSC	1	1.821	57.31		47.75		0.024	1	7
tbs_01	w2a_028		3386	UNICSP	1	0.282	32.66		26.88			0	Unknown
tbs_01	w2a_028		3387	THSC	1	4.633	73.29		62.39		0.402	2	2
tbs_01	w2a_028		3388	THSC	1	2.02	58.66		47.97		0.04	1	7
tbs_01	w2a_028		3389	SPSC	1	4.312	68.44		57.13			0	Unknown
tbs_01	w2a_028		3390	SPSC	1	2.135	58.81		49.91		0.029	1	7
tbs_01	w2a_028		3391	ARSS	1	2.797	60.88		50.36		0.119	1	7
tbs_01	w2a_028		3392	THSC	1	1.767	58.3		48.5		0.032	1	7
tbs_01	w2a_028		3393	UNICSP	1	0.385	35.52		30.57			0	Unknown
tbs_01	w2a_028		3394	THSC	1	0.64	42.3		34.95		0.001	1	6
tbs_01	w2a_028		3395	THSC	1	1.089	49.74		40.94		0.007	2	1
tbs_01	w2a_028		3396	THSC	1	1.283	52.67		42.62		0.012	2	1
tbs_01	w2a_028		3397	THSC	1	1.331	50.79		42.02		0.005	2	1
tbs_01	w2a_028		3398	SPSC	1	1.222	51.13		43.06		0.013	1	7
tbs_01	w2a_028		3399	THSC	1	1.573	52.96		45.67		0.025	1	6
tbs_01	w2a_028		3400	UNGYSP	1							n/a	
tbs_01	w2a_028		3401	UNCYCL	1							n/a	
tbs_02	bbt_026_027		3402	LFLS	1	4.904	45.01		37.67			n/a	
tbs_02	bbt_026_027		3403	ARCD	1	28.55	160.17	153.23	142.84		1.505	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_02	bbt_026_027		3404	ARCD	1	10.572	108.36	104.01	99.12		0.366	1	7
tbs_02	bbt_026_027		3405	ARCD	1	6.003	92.55	88.86	83.4	0.393	0.107	1	6
tbs_02	bbt_026_027		3406	ARCD	1	1.01	52.7	51.25	48.81			n/a	
tbs_02	bbt_026_027		3407	ARCD	1	0.27	38.17	36.7	35.09			n/a	
tbs_02	bbt_026_027		3408	ARCD	1	0.26	39.46		34.99			n/a	
tbs_02	bbt_026_027		3409	ARCD	1	9.938	103.05	99.36	92.94		0.085	2	1
tbs_02	bbt_026_027		3410	ARCD	1	9.012	108.77	104.34	97.77		0.107	2	1
tbs_02	bbt_026_027		3411	ARCD	1	6.32	90.97	88.78	83.33		0.108	1	7
tbs_02	bbt_026_027		3412	ARCD	1	5.106	84.5	80.53	75.14	0.248	0.061	1	6
tbs_02	bbt_026_027		3413	ARCD	1	0.72	50.79	48.47	45.97			n/a	
tbs_02	bbt_026_027		3414	ARAF	1	1.556	61.24		54.48		0.028	1	7
tbs_02	bbt_026_027		3415	ARAF	1	1.857	60.83		52.19			n/a	
tbs_02	bbt_026_027		3416	ARAF	1	1.78	61.56		54.63		0.085	1	7
tbs_02	bbt_026_027		3417	ARAF	1	1.37	55.92		49.13		0.03	2	1
tbs_02	bbt_026_027		3418	ARAF	1	1.211	53.26		47.02		0.026	2	2
tbs_02	bbt_026_027		3419	RBSC	1	8.983	112.16		97.4			0	Unknown
tbs_02	bbt_026_027		3420	THSC	1	1.811	54.41		44.79		0.024	1	7
tbs_02	bbt_026_027		3421	THSC	1	3.418	62.56		53.08			0	Unknown
tbs_02	bbt_026_027		3422	THSC	1	1.498	51.99		45.19		0.001	2	1
tbs_02	bbt_026_027		3423	THSC	1	1.1	48.62		42.03		0.003	1	6
tbs_02	bbt_026_027		3424	THSC	1	3.213	61.04		52.08		0.504	2	2
tbs_02	bbt_026_027		3425	THSC	1	2.813	61.71		52.07		0.024	1	7
tbs_02	bbt_026_027		3426	THSC	1	3.538	62.83		53.87			0	Unknown
tbs_02	bbt_026_027		3427	THSC	1	1.155	49.33		41.46		0.003	1	6
tbs_02	bbt_026_027		3428	THSC	1	1.036	49.13		41.55		0.007	2	1
tbs_02	bbt_026_027		3429	THSC	1	1.668	54.81		45.55		0.023	1	6
tbs_02	bbt_026_027		3430	SPSC	1	2.702	58.74		50.15		0.056	2	1
tbs_02	bbt_026_027		3431	THSC	1	1.357	51.6		43.4		0.005	1	6
tbs_02	bbt_026_027		3432	THSC	1	2.209	56.56		47.81			0	Unknown
tbs_02	bbt_026_027		3433	HBPT	1	2.58	93.42		90.07			n/a	
tbs_02	bbt_026_027		3434	HBPT	1	0.11	38.63		36.16			n/a	
tbs_02	bbt_026_027		3435	KWPT	1	0.298	42.93		42.16			n/a	
tbs_02	bbt_026_027		3436	KWPT	1	1.159	68.63		66.73			n/a	
tbs_02	bbt_026_027		3437	KWPT	1	0.847	64.71		62.66			n/a	
tbs_02	bbt_026_027		3438	HBPT	1	0.646	59.35		57.53			n/a	
tbs_02	bbt_026_027		3439	KWPT	1	0.079	31.34		30.54			n/a	
tbs_02	w2a_029		3441	ARCD	1	0.626	47.67	46.08	43.03			0	Unknown
tbs_02	w2a_029		3442	ARCD	1	0.651	44.96	43.17	40.57	0.017		0	Unknown
tbs_02	w2a_029		3443	ARCD	1	0.33						n/a	
tbs_02	w2a_029		3444	ARCD	1	0.4	42.37	40.58	38.63			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_02	w2a_029		3445	ARCD	1	0.96	53.55	51.55	49.5		0.001	1	6
tbs_02	w2a_029		3446	ARCD	1	0.26			31.77			0	Unknown
tbs_02	w2a_029		3447	ARCD	1	0.36			36.97			n/a	
tbs_02	w2a_029		3448	ARCD	1	0.36						0	Unknown
tbs_02	w2a_029		3449	ARCD	1	0.26						n/a	
tbs_02	w2a_029		3450	ARCD	1	0.33	39.8	38.34	37.08			n/a	
tbs_02	w2a_029		3451	ARCD	1	0.32	41.96	39.89	36.89			n/a	
tbs_02	w2a_029		3452	ARCD	1	0.37						n/a	
tbs_02	w2a_029		3453	ARCD	1	0.727	48.78	46.61	43.33			0	Unknown
tbs_02	w2a_029		3454	ARCD	1	0.37	42.66	41.3	39.75			n/a	
tbs_02	w2a_029		3455	ARCD	1	0.26						n/a	
tbs_02	w2a_029		3456	ARCD	1	2.647	72.17	70.42	67.17	0.143	0.045	1	7
tbs_02	w2a_029		3457	ARCD	1	4.545	82.26	77.9	75.04	0.243	0.019	1	6
tbs_02	w2a_029		3458	ARCD	1	1.019	53.56		49.78	0.019		0	Unknown
tbs_02	w2a_029		3459	ARCD	1	0.89	53.32	51.48	48.88			n/a	
tbs_02	w2a_029		3460	ARCD	1	0.29	39.51		36.28			n/a	
tbs_02	w2a_029		3461	ARCD	1	0.99	51.27	49.72	48.26			n/a	
tbs_02	w2a_029		3462	ARCD	1	0.63	49.58	48.26	46		0.001	1	6
tbs_02	w2a_029		3463	ARCD	1	0.54	45.82	44.33	42.28			n/a	
tbs_02	w2a_029		3464	ARCD	1	0.35	42.52		37.96			n/a	
tbs_02	w2a_029		3465	ARCD	1	0.91	54.47	52.77	50.46			n/a	
tbs_02	w2a_029		3466	ARCD	1	0.766	49.57	48.27	46.64			0	Unknown
tbs_02	w2a_029		3467	ARCD	1	0.25						n/a	
tbs_02	w2a_029		3468	ARCD	1	0.27	38.68	37.12	35.17			n/a	
tbs_02	w2a_029		3469	ARCD	1	0.23						n/a	
tbs_02	w2a_029		3470	ARCD	1	0.85	52.17	50.09	47.6			n/a	
tbs_02	w2a_029		3471	ARCD	1	5.08	87.74	82.21	77.41			n/a	
tbs_02	w2a_029		3472	ARCD	1	3.59	79.18	77.08	72.28			n/a	
tbs_02	w2a_029		3473	ARCD	1	5.05	88.15	86.16	81.48		0.228	1	6.5
tbs_02	w2a_029		3474	ARCD	1	3.3	77.67	74.97	71.72			n/a	
tbs_02	w2a_029		3475	ARCD	1	2.29	70.81	68.68	64.45		0.019	2	1
tbs_02	w2a_029		3476	ARCD	1	2.52	72.92	70.88	67.05		0.022	1	6
tbs_02	w2a_029		3477	ARCD	1	2.98	80.44	77.79	72.17		0.024	1	6
tbs_02	w2a_029		3478	ARCD	1	0.15						n/a	
tbs_02	w2a_029		3479	ARCD	1	8.332	101.91	99.96	93.34		0.322	1	7
tbs_02	w2a_029		3480	ARCD	1	5.17	87.68	85.15	82.04			n/a	
tbs_02	w2a_029		3481	ARCD	1	4.52	83.67	81.68	77.22			n/a	
tbs_02	w2a_029		3482	ARCD	1	5.76	90.93	88.14	83.64			n/a	
tbs_02	w2a_029		3483	ARCD	1	4.84	82.44	80.18	76.23		0.154	1	7
tbs_02	w2a_029		3484	ARCD	1	2.98	77.4	74.54	69.98			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_02	w2a_029		3485	ARCD	1	5.42	92.4	89.73	84.06			n/a	
tbs_02	w2a_029		3486	ARCD	1	0.37	41.68	40.32	38.03			n/a	
tbs_02	w2a_029		3487	ARCD	1	0.36	41.96	40.47	39.01			n/a	
tbs_02	w2a_029		3488	ARCD	1	13.497	123.72	119.77	111.67		0.331	1	7
tbs_02	w2a_029		3489	ARCD	1	16.164	129.19	123.34	115.6		1.353	1	7
tbs_02	w2a_029		3490	ARCD	1	16.886	144.39	137.92	129		0.432	2	2
tbs_02	w2a_029		3491	ARCD	1	7.379	99.12	97.33	92.17		0.331	1	7
tbs_02	w2a_029		3492	ARCD	1	9.321	110.17	107.34	101.63		0.325	1	7
tbs_02	w2a_029		3493	ARCD	1	0.35	42.84	41.4	39.83			n/a	
tbs_02	w2a_029		3494	ARCD	1	0.39	43.54	41.94	39.75			n/a	
tbs_02	w2a_029		3495	ARCD	1	1.11	55.47	53.52	50.96			n/a	
tbs_02	w2a_029		3496	ARCD	1	0.469	45.45	43.41	41.3			0	Unknown
tbs_02	w2a_029		3497	ARCD	1	0.18						n/a	
tbs_02	w2a_029		3498	ARCD	1	0.26	39.45	37.95	35.79			n/a	
tbs_02	w2a_029		3499	ARCD	1	0.14						n/a	
tbs_02	w2a_029		3500	ARCD	1	0.22						n/a	
tbs_02	w2a_029		3501	ARCD	1	16.728	132.08	127.46	119.11		1.014	1	7
tbs_02	w2a_029		3502	ARCD	1	11.509	119.38	115.09	108.48		0.355	2	2
tbs_02	w2a_029		3503	ARCD	1	6.84	98.59	95.46	90.29			n/a	
tbs_02	w2a_029		3504	ARCD	1	6.44	95.7	93.65	87.68			n/a	
tbs_02	w2a_029		3505	ARCD	1	7.505	100.84	98.64	92.26		0.146	2	1
tbs_02	w2a_029		3506	ARCD	1	0.258	36.27		33.2			0	Unknown
tbs_02	w2a_029		3507	ARCD	1	0.71						n/a	
tbs_02	w2a_029		3508	ARCD	1	0.34						n/a	
tbs_02	w2a_029		3509	ARCD	1	0.25						n/a	
tbs_02	w2a_029		3510	ARCD	1	0.16						n/a	
tbs_02	w2a_029		3511	ARCD	1	0.08						n/a	
tbs_02	w2a_029		3512	ARCD	1	0.211	37.64	36.5	34.49			n/a	
tbs_02	w2a_029		3513	ARCD	1	0.204	33.93	32.65	31.27			0	Unknown
tbs_02	w2a_029		3514	ARCD	1	0.67	48.91	47.54	44.7			n/a	
tbs_02	w2a_029		3515	ARCD	1	0.15						n/a	
tbs_02	w2a_029		3516	ARCD	1	0.48	46.94	45.86	42.73			n/a	
tbs_02	w2a_029		3517	ARCD	1	0.43	42.21	40.97	38.88			n/a	
tbs_02	w2a_029		3518	ARCD	1	0.31						n/a	
tbs_02	w2a_029		3519	ARCD	1	0.16	33.33		30.01			0	Unknown
tbs_02	w2a_029		3520	ARCD	1	0.14						n/a	
tbs_02	w2a_029		3521	ARCD	1	0.26						n/a	
tbs_02	w2a_029		3522	ARCD	1	0.345	43.66	42.33	40.16			n/a	
tbs_02	w2a_029		3523	ARCD	1	0.38	44.58	43.08	41.18			n/a	
tbs_02	w2a_029		3524	LFLS	1	7.305	51.81		42.88			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_02	w2a_029		3525	ARAF	1	1.438	57.28		49.95		0.064	2	2
tbs_02	w2a_029		3526	THSC	1	1.97	56.21		46.92		0.017	1	7
tbs_02	w2a_029		3527	THSC	1	1.455	51.69		42.64		0.01	2	1
tbs_02	w2a_029		3528	THSC	1	3.785	70.34		59.42		0.461	2	2
tbs_02	w2a_029		3529	THSC	1	1.052	49.08		40.7		0.007	1	6
tbs_02	w2a_029		3530	THSC	1	1.417	53.44		44.59		0.013	2	1
tbs_02	w2a_029		3531	UNICSP	1	0.906	45.18		38.26		0.001	2	1
tbs_02	w2a_029		3532	THSC	1	1.314	52.61		44.07		0.015	1	6
tbs_02	w2a_029		3533	THSC	1	1.98	57.98		48.86		0.046	1	7
tbs_02	w2a_029		3534	THSC	1	1.906	57.77		47.47		0.037	1	7
tbs_02	w2a_029		3535	THSC	1	0.769	45.3		37.73		0.001	1	6
tbs_02	w2a_029		3536	THSC	1	4.206	66.69		56.46			0	Unknown
tbs_02	w2a_029		3537	THSC	1	2.191	57.28		49.04			0	Unknown
tbs_02	w2a_029		3538	ARCD	1	0.71	47.52	45.72	43.64			n/a	
tbs_02	w2a_029		3539	UNCYCL	1	0.139	16.45		13.81			n/a	
tbs_03	bbt_028_029		3540	ARCD	1	7.379	99.14	95.09	88.2	0.298	0.311	1	7
tbs_03	bbt_028_029		3541	ARCD	1	3.99	86.01	82.6	76.45			n/a	
tbs_03	bbt_028_029		3542	ARCD	1	3.082	81.7	79.38	75.42			n/a	
tbs_03	bbt_028_029		3543	ARCD	1	12.76	127.37	120.7	112.1			n/a	
tbs_03	bbt_028_029		3544	ARCD	1	4.315	87.71	84.2	80.14			n/a	
tbs_03	bbt_028_029		3545	ARCD	1	2.47	77.91	75.19	70.65			n/a	
tbs_03	bbt_028_029		3546	ARCD	1	2.757	77.02	74.95	70.81			n/a	
tbs_03	bbt_028_029		3547	ARCD	1	4.303	90.05	87.84	82.99			n/a	
tbs_03	bbt_028_029		3548	ARCD	1	4.228	85.14	80.62	78.53			n/a	
tbs_03	bbt_028_029		3549	ARCD	1	4.256	86.11	84.51	81.53			n/a	
tbs_03	bbt_028_029		3550	ARCD	1	0.597	47.33	44.69	42.76			n/a	
tbs_03	bbt_028_029		3551	ARCD	1		88.94	85.57	79.72			n/a	
tbs_03	bbt_028_029		3552	EDSF	1	5.961	89.8		82.19			n/a	
tbs_03	bbt_028_029		3553	GLSS	1	5.665	82.62		75.24			n/a	
tbs_03	bbt_028_029		3554	CAEP	1	0.535	49.41		48.51			0	Unknown
tbs_03	w2a_030		3555	GLSS	1	15.029			89.9			n/a	
tbs_03	w2a_030		3556	KPSF	1	2.422	67.13		57.12		0.001	0	Unknown
tbs_03	w2a_030		3557	ARCD	1	5.305	97.48	94.87	88.51		0.048	2	1
tbs_03	w2a_030		3558	ARCD	1	10.46	118.99	113.19	105.99		0.364	1	7
tbs_03	w2a_030		3559	ARCD	1	5.167	88.75	86.49	80.88	0.102	0.014	1	6
tbs_03	w2a_030		3560	ARCD	1	15.842	138.48	133.12	125.12			n/a	
tbs_03	w2a_030		3561	ARCD	1	10.341	114.94	110.65	103.55			n/a	
tbs_03	w2a_030		3562	ARCD	1	12.292	122.65	117.6	111.5			n/a	
tbs_03	w2a_030		3563	ARCD	1	8.007	109.9	107.56	101.52			n/a	
tbs_03	w2a_030		3564	ARCD	1	8.905	111.83	109.26	103.3			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_03	w2a_030		3565	ARCD	1	7.93	105.37	101.73	96.23		0.075	1	6
tbs_03	w2a_030		3566	ARCD	1	11.965	119.05	115.65	107.47		0.227	2	2
tbs_03	w2a_030		3567	ARCD	1	5.61	98.2	95.07	88.71			n/a	
tbs_03	w2a_030		3568	ARCD	1	4.82	93.52	91.26	86.25		0.208	1	7
tbs_03	w2a_030		3569	ARCD	1	7.627	114.45	110.75	104.38			n/a	
tbs_03	w2a_030		3570	ARCD	1	3.115	81.92	79.89	75.65			n/a	
tbs_03	w2a_030		3571	ARCD	1	3.725	86.09	83.1	77.95			n/a	
tbs_03	w2a_030		3572	ARCD	1	4.826	93.14	90.41	84.29		0.005	0	Unknown
tbs_03	w2a_030		3573	ARCD	1	5.78	92.73	88.69	83.51			n/a	
tbs_03	w2a_030		3574	ARCD	1	4.439	89.26	85.7	82.02			n/a	
tbs_03	w2a_030		3575	ARCD	1	9.52	105.04	101.07	94.82		0.22	1	7
tbs_03	w2a_030		3576	ARCD	1	18.86	136.38	132.16	123.72		0.682	1	7
tbs_01	w2a_028		3577	ARCD	1	13.856	124.25	120.81	114.52	0.419	0.372	2	2
tbs_03	w2a_030		3578	ARCD	1	4.619	90.9	87.71	83.04			n/a	
tbs_03	w2a_030		3579	ARCD	1	7.946	103.41	99.72	94.57			n/a	
tbs_03	w2a_030		3580	ARCD	1	22.49	149.21	142.78	134.65		1.093	1	7
tbs_03	w2a_030		3581	ARCD	1	24.39	158.34	151.12	141.7		1.409	1	7
tbs_03	w2a_030		3582	ARCD	1	12.3	122.76	118.59	111.62		0.304	2	2
tbs_03	w2a_030		3583	ARCD	1	11.598	124.04	119.94	113.07			n/a	
tbs_03	w2a_030		3584	ARCD	1	8.89	107.32	104.01	95.15		0.215	1	7
tbs_03	w2a_030		3585	ARCD	1	12.43	117.92	115.82	110.08		0.811	1	7
tbs_03	w2a_030		3586	ARCD	1	8.311	104.97	102.2	95.86			n/a	
tbs_03	w2a_030		3587	ARCD	1	5.132		86.29	81.47		0.022	1	6
tbs_03	w2a_030		3588	ARCD	1	4.51	91.16	86.61	82.41			n/a	
tbs_03	w2a_030		3589	ARCD	1	3.023	82.74	79.43	75.7			n/a	
tbs_03	w2a_030		3590	ARCD	1	3.88	86.25	83.3	78.64		0.052	1	6
tbs_03	w2a_030		3591	ARCD	1	4.279	82.08	80.24	75.53			n/a	
tbs_03	w2a_030		3592	ARCD	1	3.87	84.97	81.76	77.5		0.04	2	1
tbs_03	w2a_030		3593	ARCD	1	7.452	103.13	100.38	94.56			n/a	
tbs_03	w2a_030		3594	ARCD	1	2.52	75.01	72.5	69.12		0.028	2	1
tbs_03	w2a_030		3595	ARCD	1	2.666	77.45	75.44	70.45			n/a	
tbs_03	w2a_030		3596	ARCD	1	5.031	91.96	89.46	83.98		0.026	1	6
tbs_03	w2a_030		3597	ARCD	1	4.21	89.56	86.6	80.84		0.01	0	Unknown
tbs_03	w2a_030		3598	ARCD	1	8.787	110.2	107.27	101.47			n/a	
tbs_03	w2a_030		3599	ARCD	1	2.455	73.6	72.41	68.37			n/a	
tbs_03	w2a_030		3600	ARCD	1	2.619	74.19	71.52	68.64			n/a	
tbs_03	w2a_030		3601	ARCD	1	3.934	88.97	86.96	81.67			n/a	
tbs_03	w2a_030		3602	ARCD	1	6.371	104.79	102.52	96.4			n/a	
tbs_03	w2a_030		3603	ARCD	1	3.44	78.15	75.87	72.06		0.043	2	1
tbs_03	w2a_030		3604	ARCD	1	2.893	77.7	75.41	71.3			n/a	

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tbs_03	w2a_030		3605	ARCD	1	3.327	80.47	78.29	75.19			n/a	
tbs_03	w2a_030		3606	ARCD	1	3.7	80.38	77.39	72.78			n/a	
tbs_03	w2a_030		3607	ARCD	1	6.279	103.71	99.06	91.83			n/a	
tbs_03	w2a_030		3608	ARCD	1	4.15	86.3	83.51	78.88		0.013	1	6
tbs_03	w2a_030		3609	ARCD	1	12.212	119.88	115.96	108.52			n/a	
tbs_03	w2a_030		3610	ARCD	1	4.232	87.15	83.8	79.8			n/a	
tbs_03	w2a_030		3611	ARCD	1	3.666	83.65	81.88	76.87			n/a	
tbs_03	w2a_030		3612	ARCD	1	6.822	99.57	96.49	90.19			n/a	
tbs_03	w2a_030		3613	ARCD	1	4.797	88.36	86.45	81.01			n/a	
tbs_03	w2a_030		3614	ARCD	1	3.339	79.66	77.95	72.44			n/a	
tbs_03	w2a_030		3615	ARCD	1	3.704	83.17	80.08	76.63			n/a	
tbs_03	w2a_030		3616	ARCD	1	9.619	108.44	104.59	97.68			n/a	
tbs_03	w2a_030		3617	ARCD	1	6.036	95.65	92.08	87.4			n/a	
tbs_03	w2a_030		3618	ARCD	1	5.67	97.17	93.87	87.78			n/a	
tbs_03	w2a_030		3619	ARCD	1	5.996	96.53	93.45	87.8			n/a	
tbs_03	w2a_030		3620	ARCD	1	2.94	78.86	75.52	71.5			n/a	
tbs_03	w2a_030		3621	ARCD	1	3.193	74.15	72.59	69.05			n/a	
tbs_03	w2a_030		3622	ARCD	1	3.37	82.08	77.69	74.73			n/a	
tbs_03	w2a_030		3623	ARCD	1	3.81	78.18	75.84	71.68			n/a	
tbs_03	w2a_030		3624	ARCD	1	4.541	91.11	88.71	82.96		0.026	1	6
tbs_03	w2a_030		3625	ARCD	1	3.78	83.94	81.25	76.01			n/a	
tbs_03	w2a_030		3626	ARCD	1	4	83.41	81.16	76.12			n/a	
tbs_03	w2a_030		3627	ARCD	1	2.634	73.7	69.63	67.79	0.118		0	Unknown
tbs_03	w2a_030		3628	ARCD	1	10.275	110.2	107.11	97.2			n/a	
tbs_03	w2a_030		3629	ARCD	1	9.581	108.26	101.29	94	0.371	0.078	1	7
tbs_03	w2a_030		3630	ARCD	1	2.251	72.03	69.33	65.69			n/a	
tbs_03	w2a_030		3631	ARCD	1	0.812	49.56	48.32	45.24	0.021		0	Unknown
tbs_03	w2a_030		3632	ARCD	1	5.097	95.69	91.59	86.72			n/a	
tbs_03	w2a_030		3633	ARCD	1	1.921	67.82	66.2	64.27			n/a	
tbs_03	w2a_030		3634	ARCD	1	5.452	89.68	87.66	83.03	0.142	0.07	2	1
tbs_03	w2a_030		3635	ARCD	1	9.41	96.25	92.91	86.84			n/a	
tbs_03	w2a_030		3636	ARCD	1	3.98	83.98	81.32	76.01			n/a	
tbs_03	w2a_030		3637	ARCD	1	11.944	123.83	117.01	111.2			n/a	
tbs_03	w2a_030		3638	ARCD	1	3.58	82.43	80.45	74.83		0.009	0	Unknown
tbs_03	w2a_030		3639	ARCD	1	0.63	49.94	48.27	46.2		0.001	0	Unknown
tbs_03	w2a_030		3640	ARCD	1	5.091	92.41	88.72	83.72			n/a	
tbs_03	w2a_030		3641	ARCD	1	3.861	79.95	78.03	71.99			n/a	
tbs_03	w2a_030		3642	ARCD	1	1.451						n/a	
tbs_03	w2a_030		3643	ARCD	1	4.31	87.22	83.67	79.06			n/a	
tbs_03	w2a_030		3644	ARCD	1	2.39	74.73	71.17	67.92			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_03	w2a_030		3645	ARCD	1	5.48	92.55	88.07	82.26			n/a	
tbs_03	w2a_030		3646	ARCD	1	3.613	86.18	83.41	78.28			n/a	
tbs_03	w2a_030		3647	ARCD	1	5.903	91.04	89.56	83.83			n/a	
tbs_03	w2a_030		3648	ARCD	1	5.88	102.28	99.52	92.03			n/a	
tbs_03	w2a_030		3649	ARCD	1	4.181	81.66	80.43	76.48			n/a	
tbs_03	w2a_030		3650	ARCD	1	4.4	88.8	84.37	80.85			n/a	
tbs_03	w2a_030		3651	ARCD	1	2.91	80.68	78.61	73.61			n/a	
tbs_03	w2a_030		3652	ARCD	1	4.88	87.88	85.13	79.77		0.129	1	7
tbs_03	w2a_030		3653	ARCD	1	3.859	84.36	82.26	76.22	0.113	0.043	1	6
tbs_03	w2a_030		3654	ARCD	1	11.75	121.87	114.67	105.03			n/a	
tbs_03	w2a_030		3655	ARCD	1	1.84	67.3	64.99	61.54		0.001	1	6
tbs_03	w2a_030		3656	ARCD	1	0.532	44.06	42.13	40.17			n/a	
tbs_03	w2a_030		3657	ARCD	1	5.35	92.61	90.2	84.84			n/a	
tbs_03	w2a_030		3658	ARCD	1	3.363	88.23	84.69	79.93		0.007	1	6
tbs_03	w2a_030		3659	ARCD	1	1.881	70.61	67.08	64.16			n/a	
tbs_03	w2a_030		3660	ARCD	1	4.615	87.93	85.76	80.99			n/a	
tbs_03	w2a_030		3661	ARCD	1	0.448	45.64	44.05	41.49			0	Unknown
tbs_03	w2a_030		3662	ARCD	1	2.644	75.77	72.58	69.09			n/a	
tbs_03	w2a_030		3663	ARCD	1	6.83	97.06	93.6	87.11			n/a	
tbs_03	w2a_030		3664	ARCD	1	3.35	77.29	74.14	71.42			n/a	
tbs_03	w2a_030		3665	ARCD	1	1.409	63.59	61.62	57.93			n/a	
tbs_03	w2a_030		3666	ARCD	1	3.37	84.23	80.27	76.39		0.031	2	1
tbs_03	w2a_030		3667	ARCD	1	7.45	96.92	93.84	88.87	0.147	0.147	2	1
tbs_03	w2a_030		3668	ARCD	1	3.277	78.19	76.8	72.41			n/a	
tbs_03	w2a_030		3669	ARCD	1	2.252	70.45	67.7	64.11			n/a	
tbs_03	w2a_030		3670	ARCD	1	3.18	85.16	81.96	76.67			n/a	
tbs_03	w2a_030		3671	ARCD	1	2.25	73.25	71.17	66.1		0.025	2	1
tbs_03	w2a_030		3672	AREP	1	1.645	72.67		69.36			n/a	
tbs_03	w2a_030		3673	SCEP	1	22.276	174.64		172.65			n/a	
tbs_03	w2a_030		3674	ARCD	1	1.27	60.27	57.5	53.86		0.002	0	Unknown
tbs_03	w2a_030		3675	ARCD	1	1.78	64.64	61.73	58.58	0.042		0	Unknown
tbs_03	w2a_030		3676	ARCD	1	0.483	42.63	41.39	39.77			0	Unknown
tbs_03	w2a_030		3677	THSC	1	2.28	58.7		49.6		0.032	1	7
tbs_04	bbt_030_031		3678	ARCD	1	15.398	142.73	132.72	130.42	0.293	0.239	2	2
tbs_04	bbt_030_031		3679	ARCD	1	12.355	119.89	117.06	110.49		0.313	1	7
tbs_04	bbt_030_031		3680	ARCD	1	14.387	129.19	124.39	116.13			n/a	
tbs_04	bbt_030_031		3681	ARCD	1	12.07	129.31	125.78	114.48		0.0692	1	7
tbs_04	bbt_030_031		3682	ARCD	1	13.66	136.96	128.9	121.3			n/a	
tbs_04	w2a_031		3683	ARCD	1	7.517	98.25	93.65	89.07	0.279	0.385	1	7
tbs_04	bbt_030_031		3684	ARCD	1	5.252	94.02	90.28	86.69			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	bbt_030_031		3685	ARCD	1	7.756		106.15	100.87			n/a	
tbs_04	bbt_030_031		3686	ARCD	1	20.41	143.42	136.83	129.3		1.717	1	7
tbs_04	bbt_030_031		3687	ARCD	1	8.238			104.34			n/a	
tbs_04	bbt_030_031		3688	ARCD	1	4.442	86.84	84.45	80.89			n/a	
tbs_04	bbt_030_031		3689	ARCD	1	13.214	117.81	114.43	106.57			n/a	
tbs_04	bbt_030_031		3690	ARCD	1	6.768	98.23	95.29	89.77			n/a	
tbs_04	bbt_030_031		3691	ARCD	1	11.732	118.47		107.45			n/a	
tbs_04	bbt_030_031		3692	ARCD	1	20.92	149.95	144.65	134.1		0.0499	2	1
tbs_04	bbt_030_031		3693	ARCD	1	8.527	110.27	106.78	101.16			n/a	
tbs_04	bbt_030_031		3694	ARCD	1	6.833	102.41	99.04	93.36			n/a	
tbs_04	bbt_030_031		3695	ARCD	1	17.07	137.99	131.08	124.69		0.482	2	2
tbs_04	bbt_030_031		3696	ARCD	1	11.428			103.53			n/a	
tbs_04	bbt_030_031		3697	ARCD	1	11.504	118.52	114.22	107.36			n/a	
tbs_04	bbt_030_031		3698	ARCD	1	14.315	124.25	120.2	114.44			n/a	
tbs_04	bbt_030_031		3699	ARCD	1	21.2	125.1	122.68	114.21			n/a	
tbs_04	bbt_030_031		3700	ARCD	1	18.163	136.94	131.47	123.63			n/a	
tbs_04	bbt_030_031		3701	ARCD	1	14.026	133.13	127.6	119.75			n/a	
tbs_04	bbt_030_031		3702	ARCD	1	11.191	113.84	110.01	105.11			n/a	
tbs_04	bbt_030_031		3703	ARCD	1	8.336	110.4	106.53	101.96			n/a	
tbs_04	bbt_030_031		3704	ARCD	1	3.93	87.76	84.81	79.79		0.027	2	1
tbs_04	bbt_030_031		3705	ARCD	1	5.305	92.29	90.21	85.92			n/a	
tbs_04	bbt_030_031		3706	ARCD	1	10.722	121.22	117.91	112.06			n/a	
tbs_04	bbt_030_031		3707	ARCD	1	9.672	116.48	112.37	106.71			n/a	
tbs_04	bbt_030_031		3708	ARCD	1	23.44	154.02	148.76	141.15		0.854	2	5
tbs_04	bbt_030_031		3709	ARCD	1	6.563	101.45	98.28	94.04			n/a	
tbs_04	bbt_030_031		3710	ARCD	1	13.35	126.3	121.61	112.73		0.543	1	7
tbs_04	bbt_030_031		3711	ARCD	1	16.216	133.25	127.85	118		0.717	1	7
tbs_04	bbt_030_031		3712	ARCD	1	7.031	101.66	98.33	92.35			n/a	
tbs_04	bbt_030_031		3713	ARCD	1	12.219	127.55	124.1	116.9			n/a	
tbs_04	bbt_030_031		3714	ARCD	1	3.268	79.4	77.16	73.16			n/a	
tbs_04	bbt_030_031		3715	ARCD	1	5.821	100.27	96.69	92.62			n/a	
tbs_04	bbt_030_031		3716	ARCD	1	3.742	88.81	86.53	81.95			n/a	
tbs_04	bbt_030_031		3717	ARCD	1	8.115	110.46	105.99	100.26			n/a	
tbs_04	bbt_030_031		3718	ARCD	1	15.799	132.54	127.32	122.63			n/a	
tbs_04	bbt_030_031		3719	ARCD	1	11.867	119.19	114.62	107.57			n/a	
tbs_04	bbt_030_031		3720	ARCD	1	4.475	88.94	87.12	83.19			n/a	
tbs_04	bbt_030_031		3721	ARCD	1	11.396	117	110.91	106.44			n/a	
tbs_04	bbt_030_031		3722	ARCD	1	16.385	136.85	133.06	124.54			n/a	
tbs_04	bbt_030_031		3723	ARCD	1	7.127	102.79	99.75	93.51			n/a	
tbs_04	bbt_030_031		3724	ARCD	1	9.799	120.43	116.43	110.8			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	bbt_030_031		3725	ARCD	1	16.003	134.95	132.57	125.44			n/a	
tbs_04	bbt_030_031		3726	ARCD	1	8.37	109.77	105.34	101.92			n/a	
tbs_04	bbt_030_031		3727	ARCD	1	9.423	112.67	108.54	102.75			n/a	
tbs_04	bbt_030_031		3728	ARCD	1	9.468	113.75	109.9	104.4			n/a	
tbs_04	bbt_030_031		3729	ARCD	1	5.199	90.63	86.65	83.43			n/a	
tbs_04	bbt_030_031		3730	ARCD	1	3.669	82.6	80.69	76.58			n/a	
tbs_04	bbt_030_031		3731	ARCD	1	4.45	90.81	87.18	82.07			n/a	
tbs_04	bbt_030_031		3732	ARCD	1	8.56	108.03	105.45	98.58			n/a	
tbs_04	bbt_030_031		3733	RBSC	1	16.84	121.75		107.71		1.273	2	2
tbs_04	bbt_030_031		3734	RBSC	1	8.31			88.76		0.277	1	7
tbs_04	bbt_030_031		3735	RBSC	1	9.58	104.82		91.64		0.34	2	2
tbs_04	bbt_030_031		3736	RBSC	1	10.41	106.83		96.19		0.533	2	2
tbs_04	bbt_030_031		3737	RBSC	1	6.61	95.74		83.03		0.188	1	7
tbs_04	bbt_030_031		3738	RBSC	1	6.87	96.65		86.75		0.21	1	7
tbs_04	bbt_030_031		3739	RBSC	1	10.66	107.75		96.75		0.46	2	2
tbs_04	bbt_030_031		3740	ACEP	1	23.735	179.27		174.54			n/a	
tbs_04	bbt_030_031		3741	PAEP	1	3.883	92.18		88.31			n/a	
tbs_04	bbt_030_031		3742	KPSF	1	5.203	82.88		72.62		0.001	0	Unknown
tbs_04	bbt_030_031		3743	KPSF	1	2.893					0.042	1	6
tbs_04	w2a_031		3744	KPSF	1	2.836	65.38		55.96			0	Unknown
tbs_04	w2a_031		3745	GLSS	1	3.056	72.87		65.53			n/a	
tbs_04	w2a_031		3746	KPSF	1	17.392	117.72		101.62			n/a	
tbs_04	w2a_031		3747	KPSF	1	7.596	93.3		80.4		0.075	1	6
tbs_04	w2a_031		3748	KPSF	1	53.365			147.09		0.233	1	6.5
tbs_04	w2a_031		3749	GLSS	1	67.121	184.55		160.56			0	Unknown
tbs_04	w2a_031		3750	KPSF	1	2.118	74.13		62.8		0.01	2	1
tbs_04	w2a_031		3751	LEEP	1	98.532	265.97		256.97			n/a	
tbs_04	w2a_031		3752	ACEP	1	2.058	88.87		87.06			n/a	
tbs_04	w2a_031		3753	GLHB	1	1647	552		483		4.746	1	6
tbs_04	w2a_031		3754	GLHB	1	868	460		401		2.291	1	6
tbs_04	w2a_031		3755	GLHB	1	789	464		407		2.049	2	1
tbs_04	w2a_031		3756	GLHB	1	618	417		365		2.127	2	1
tbs_04	w2a_031		3757	GLHB	1	701	441		389		2.462	2	1
tbs_04	w2a_031		3758	GLHB	1	622	424		371		0.885	1	6
tbs_04	w2a_031		3759	GLHB	1	301	337		291		0.302	1	6
tbs_04	w2a_031		3760	ARCD	1	5.94	98.44	94.34	88.08			n/a	
tbs_04	w2a_031		3761	ARCD	1	7.53	107.83	103.45	95.81			n/a	
tbs_04	w2a_031		3762	ARCD	1	5.92	100.06	97.18	91.13			n/a	
tbs_04	w2a_031		3763	ARCD	1	5.62	98.12	95.15	88.64			n/a	
tbs_04	w2a_031		3764	ARCD	1	7.72	108.91	105.24	98.92			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031		3765	ARCD	1	3.8	82.69	81.09	76.05			n/a	
tbs_04	w2a_031		3766	ARCD	1	3.48	82.76	79.5	75.26			n/a	
tbs_04	w2a_031		3767	ARCD	1	3.96	83.34	81.29	77.48			n/a	
tbs_04	w2a_031		3768	ARCD	1	11.56	120.54	117.16	109.12			n/a	
tbs_04	w2a_031		3769	ARCD	1	4.76	90.58	88.27	83.9			n/a	
tbs_04	w2a_031		3770	ARCD	1	6.92	105.22	101.51	95.08			n/a	
tbs_04	w2a_031		3771	ARCD	1	9.62	115.33	111.58	104.5			n/a	
tbs_04	w2a_031		3772	ARCD	1	6.42	96.35	93.01	88.15		0.291	1	7
tbs_04	w2a_031		3773	ARCD	1	8.22	108.96	106.38	99.04			n/a	
tbs_04	w2a_031		3774	ARCD	1	3.95	83.83	81.93	77.51			n/a	
tbs_04	w2a_031		3775	ARCD	1	8.59	110.33	105.4	98.91			n/a	
tbs_04	w2a_031		3776	ARCD	1	3.77	86.71	83.36	77.92			n/a	
tbs_04	w2a_031		3777	ARCD	1	4.47	86.85	84.77	78.91		0.041	2	1
tbs_04	w2a_031		3778	ARCD	1	8.63	109.32	105.8	99.09			n/a	
tbs_04	w2a_031		3779	ARCD	1	9.35	112.31	108.72	101.85			n/a	
tbs_04	w2a_031		3780	ARCD	1	8.52	111.1	107.22	99.97			n/a	
tbs_04	w2a_031		3781	ARCD	1	5.88	100.78	98.71	92.72			n/a	
tbs_04	w2a_031		3782	ARCD	1	5.23	90.33	87	82.69			n/a	
tbs_04	w2a_031		3783	ARCD	1	11.73	124.07	119.21	110.87			n/a	
tbs_04	w2a_031		3784	ARCD	1	0.28	40.03	37.2	35.52			0	Unknown
tbs_04	w2a_031		3785	ARCD	1	4.43			84.57			n/a	
tbs_04	w2a_031		3786	ARCD	1	5.82	91.24	87.43	83.97			n/a	
tbs_04	w2a_031		3787	ARCD	1	5	91.57	89.21	84.06			n/a	
tbs_04	w2a_031		3788	ARCD	1	5.6	93.22	89.38	84.21			n/a	
tbs_04	w2a_031		3789	ARCD	1	5.02	92.34	89.52	83.67			n/a	
tbs_04	w2a_031		3790	ARCD	1	7.4	105.6	102.05	95.33			n/a	
tbs_04	w2a_031		3791	ARCD	1	10.16	113.76	109.53	102.95			n/a	
tbs_04	w2a_031		3792	ARCD	1	9.39	113.86	110.37	103.34			n/a	
tbs_04	w2a_031		3793	ARCD	1	6.66			97.05			n/a	
tbs_04	w2a_031		3794	ARCD	1	16.79	135.56	131.6	124.41		0.815	1	7
tbs_04	w2a_031		3795	ARCD	1	5.345	89.83	85.99	82.98	0.215	0.057	1	7
tbs_04	w2a_031		3796	ARCD	1	19.78	147.14	141.7	132.34			n/a	
tbs_04	w2a_031		3797	ARCD	1	6.77	103.59	99.48	94.37			n/a	
tbs_04	w2a_031		3798	ARCD	1	10.43	111.15	107.75	102.18			n/a	
tbs_04	w2a_031		3799	ARCD	1	12.63	119.63	115.18	107.07			n/a	
tbs_04	w2a_031		3800	ARCD	1	11.42	121.58	117.25	110.05			n/a	
tbs_04	w2a_031		3801	ARCD	1	6.53	104.39	100.58	93.84			n/a	
tbs_04	w2a_031		3802	ARCD	1	13.54	128.72	124.51	118.34			n/a	
tbs_04	w2a_031		3803	ARCD	1	4.86	93.61	90.12	84.97		0.053	2	1
tbs_04	w2a_031		3804	ARCD	1	6.49	100.98	97.69	92.57			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031		3805	ARCD	1	7.8			96.63			n/a	
tbs_04	w2a_031		3806	ARCD	1	0.54	45.37	43.53	41.07			0	Unknown
tbs_04	w2a_031		3807	KPSF	1	0.422						0	Unknown
tbs_04	w2a_031		3808	ARCD	1	14.39	125.63	121.37	112.87			n/a	
tbs_04	w2a_031		3809	ARCD	1	10.3	122.84	119.95	112.58			n/a	
tbs_04	w2a_031		3810	ARCD	1	11.44	118.83	115.2	107.38			n/a	
tbs_04	w2a_031		3811	ARCD	1	7.3	109.66	106.78	100.91			n/a	
tbs_04	w2a_031		3812	ARCD	1	10.38	114.78	109.65	102.3			n/a	
tbs_04	w2a_031		3813	ARCD	1	7.1	104.69	101.5	94.45			n/a	
tbs_04	w2a_031		3814	ARCD	1	7.35						n/a	
tbs_04	w2a_031		3815	ARCD	1	4.26	89.69	87.26	81.69			n/a	
tbs_04	w2a_031		3816	ARCD	1	14.48	127.15	123.23	114.55			n/a	
tbs_04	w2a_031		3817	ARCD	1	14.36	132.13	127.61	119.53		0.601	1	7
tbs_04	w2a_031		3818	ARCD	1	10.48	111.92	109.16	103.4			n/a	
tbs_04	w2a_031		3819	ARCD	1	12	119.8	116.01	109.27			n/a	
tbs_04	w2a_031		3820	ARCD	1	6.17	98.49	95.81	89.69			n/a	
tbs_04	w2a_031		3821	ARCD	1	6.98						n/a	
tbs_04	w2a_031		3822	ARCD	1	6.1			88.03			n/a	
tbs_04	w2a_031		3823	ARCD	1	4.37			83.99			n/a	
tbs_04	w2a_031		3824	ARCD	1	3.16	79.83	77.72	73.29			n/a	
tbs_04	w2a_031		3825	ARCD	1	11.78	116.41	113.17	109.15			n/a	
tbs_04	w2a_031		3826	ARCD	1	12.12	121.24	116.88	109.14			n/a	
tbs_04	w2a_031		3827	ARCD	1	4.59	89.23	87.51	82.43			n/a	
tbs_04	w2a_031		3828	ARCD	1	13.5	128.29	124.69	115.3			n/a	
tbs_04	w2a_031		3829	ARCD	1	5.83	97.87	94.18	87.75			n/a	
tbs_04	w2a_031		3830	ARCD	1	3.95	86.18	83.24	78.22			n/a	
tbs_04	w2a_031		3831	ARCD	1	11.9	119.51	115.88	108.58			n/a	
tbs_04	w2a_031		3832	ARCD	1	5.18	95.98	93.91	87.82			n/a	
tbs_04	w2a_031		3833	ARCD	1	5.52	95.29	92.93	87.01			n/a	
tbs_04	w2a_031		3834	ARCD	1	3.02	78.6	76.36	72.53			n/a	
tbs_04	w2a_031		3835	ARCD	1	4.381	89.01	87.02	82.05		0.107	1	6
tbs_04	w2a_031		3836	ARCD	1	5.54	94.11	91.59	86.17			n/a	
tbs_04	w2a_031		3837	ARCD	1	5.72	95.97	93.04	86.97			n/a	
tbs_04	w2a_031		3838	ARCD	1	10.69			107.39			n/a	
tbs_04	w2a_031		3839	ARCD	1	4.89	93.76	90.48	85.59			n/a	
tbs_04	w2a_031		3840	ARCD	1	3.12	78.45	75.78	71		0.029	2	1
tbs_04	w2a_031		3841	ARCD	1	5.11	96.33	93.63	87.84			n/a	
tbs_04	w2a_031		3842	ARCD	1	6.58	102.45	99.56	92.4			n/a	
tbs_04	w2a_031		3843	ARCD	1	13.39	127.88	122.93	114.23		0.6	1	7
tbs_04	w2a_031		3844	ARCD	1	5.59			88.59			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031		3845	ARCD	1	3.561	83.53	80.52	74.75	0.202	0.032	2	1
tbs_04	w2a_031		3846	ARCD	1	5.69						n/a	
tbs_04	w2a_031		3847	ARCD	1	3.33	81.21	78.83	74.23			n/a	
tbs_04	w2a_031		3848	ARCD	1	3.82	84.2	80.9	76.6		0.042	2	1
tbs_04	w2a_031		3849	ARCD	1	13.21	131.84	127.73	119.78			n/a	
tbs_04	w2a_031		3850	ARCD	1	6.14	98.87	96.86	91.09			n/a	
tbs_04	w2a_031		3851	ARCD	1	8.65	113.35	110.83	103.63			n/a	
tbs_04	w2a_031		3852	ARCD	1	6.8	102.87	98.36	92.16			n/a	
tbs_04	w2a_031		3853	ARCD	1	2.654	71.32	69.56	66.36	0.094	0.12	1	7
tbs_04	w2a_031		3854	ARCD	1	5.71	92.65	91.02	86.1			n/a	
tbs_04	w2a_031		3855	ARCD	1	11.3	120.95	116.28	108.54			n/a	
tbs_04	w2a_031		3856	ARCD	1	5.08	89.84	86.98	81.89		0.03	2	1
tbs_04	w2a_031		3857	ARCD	1	5.54	97.96	94.42	88.55			n/a	
tbs_04	w2a_031		3858	ARCD	1	11.34	120.9	116.34	108.18			n/a	
tbs_04	w2a_031		3859	ARCD	1	13.89	135.23	130.46	122.39			n/a	
tbs_04	w2a_031		3860	ARCD	1	14.4	131.75	126.5	117.64			n/a	
tbs_04	w2a_031		3861	ARCD	1	8.1	106.48	104.16	98.03			n/a	
tbs_04	w2a_031		3862	ARCD	1	7.18	107.32	102.13	96.37			n/a	
tbs_04	w2a_031		3863	ARCD	1	7.52	108.75	105.87	100.22			n/a	
tbs_04	w2a_031		3864	ARCD	1	3.3			76.94			n/a	
tbs_04	w2a_031		3865	ARCD	1	5.16		94.5	89.74			n/a	
tbs_04	w2a_031		3866	ARCD	1	14.483	131.93	128.24	118.54	0.125	0.344	2	2
tbs_04	w2a_031		3867	ARCD	1	6.07	99.07	95.18	89.61			n/a	
tbs_04	w2a_031		3868	ARCD	1	6.53	97.17	93.7	91.55			n/a	
tbs_04	w2a_031		3869	ARCD	1	4.38	87.23	85.5	81.28			n/a	
tbs_04	w2a_031		3870	ARCD	1	5.28	94.78	92.03	86.35			n/a	
tbs_04	w2a_031		3871	ARCD	1	6.41	100.95		92.36		0.059	2	1
tbs_04	w2a_031		3872	ARCD	1	4.16	86.83	83.5	77.6			n/a	
tbs_04	w2a_031		3873	ARCD	1	4.57	86.3	84.02	78.64			n/a	
tbs_04	w2a_031		3874	ARCD	1	12.79	129.17	123.89	115.02			n/a	
tbs_04	w2a_031		3875	ARCD	1	10.71	118.12	114.46	107			n/a	
tbs_04	w2a_031		3876	ARCD	1	12.43	120.92	116.24	109.65		0.316	2	2
tbs_04	w2a_031		3877	ARCD	1	15.76	128.38	124.42	116.6			n/a	
tbs_04	w2a_031		3878	ARCD	1	8.31	109.38	105.52	98.59		0.198	2	2
tbs_04	w2a_031		3879	ARCD	1	10.47	121.78	118.22	112.33			n/a	
tbs_04	w2a_031		3880	ARCD	1	10.95	119.12	114.96	106.51			n/a	
tbs_04	w2a_031		3881	ARCD	1	9.62	115.28	112.08	105.85			n/a	
tbs_04	w2a_031		3882	ARCD	1	7.31	105.41	103.85	97.15			n/a	
tbs_04	w2a_031		3883	ARCD	1	12.47	124.57	119.53	114			n/a	
tbs_04	w2a_031		3884	ARCD	1	3.17	82.26	78.45	75.01		0.003	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031		3885	ARCD	1	7.63	105.81	103.52	96.77			n/a	
tbs_04	w2a_031		3886	ARCD	1	6.53	99.94	96.83	90.83			n/a	
tbs_04	w2a_031		3887	ARCD	1	16.822	134.17	128.41	119.14		0.412	2	2
tbs_04	w2a_031		3888	ARCD	1	15.21	131.8	128.28	120.84			n/a	
tbs_04	w2a_031		3889	ARCD	1	13.81	127.05	121.09	115.85			n/a	
tbs_04	w2a_031		3890	ARCD	1	6.55	106.53	102.19	95.95			n/a	
tbs_04	w2a_031		3891	ARCD	1	7.43	107.57	103.46	97.07			n/a	
tbs_04	w2a_031		3892	ARCD	1	3.98	84.78	82.77	77.23			n/a	
tbs_04	w2a_031		3893	ARCD	1	5.51	93.22	90.85	85.8			n/a	
tbs_04	w2a_031		3894	ARCD	1	6.32	99.77	97.42	91.09			n/a	
tbs_04	w2a_031		3895	ARCD	1	4.72	89.39	87.14	81.63			n/a	
tbs_04	w2a_031		3896	ARCD	1	6.29	97.05	94.87	88.11		0.074	2	1
tbs_04	w2a_031		3897	ARCD	1	10.19	118.02	112.95	105.41			n/a	
tbs_04	w2a_031		3898	ARCD	1	11.99	122.06	117.7	109.77			n/a	
tbs_04	w2a_031		3899	ARCD	1	8.87	112.54	109.38	101.38			n/a	
tbs_04	w2a_031		3900	ARCD	1	8.49	117.31	112.81	102.61			n/a	
tbs_04	w2a_031		3901	ARCD	1	12.41	123.61	121.24	114.12			n/a	
tbs_04	w2a_031		3902	ARCD	1	6.19	99.49	95.69	89.4			n/a	
tbs_04	w2a_031		3903	ARCD	1	13.16	126.43	120.83	113.4			n/a	
tbs_04	w2a_031		3904	ARCD	1	8.94	112.54	109.15	102.13			n/a	
tbs_04	w2a_031		3905	ARCD	1	9.52	109.7	105.64	99.46		0.249	2	2
tbs_04	w2a_031		3906	ARCD	1	7.83	108.19	104.6	98.38			n/a	
tbs_04	w2a_031		3907	ARCD	1	7.36	105.31	101.58	94.3			n/a	
tbs_04	w2a_031		3908	ARCD	1	3.88	84.89	82.81	78.08			n/a	
tbs_04	w2a_031		3909	ARCD	1	5.86	98.58	94.73	88.68			n/a	
tbs_04	w2a_031		3910	ARCD	1	4.672	86.97	84.04	79.05		0.05	2	1
tbs_04	w2a_031		3911	ARCD	1	8.56	109.39	106.61	101.34			n/a	
tbs_04	w2a_031		3912	ARCD	1	12.98	125.62	120.51	112.76			n/a	
tbs_04	w2a_031		3913	ARCD	1							n/a	
tbs_04	w2a_031		3914	ARCD	1	9.681	109.1	105.29	98.84	0.312	0.239	1	7
tbs_04	w2a_031		3915	ARCD	1	7.93	102.68	99.22	92.19			n/a	
tbs_04	w2a_031		3916	ARCD	1	5.53	93.59	90.78	85.93			n/a	
tbs_04	w2a_031		3917	ARCD	1	5.24	90.67	87.86	81.68			n/a	
tbs_04	w2a_031		3918	ARCD	1	6.43	97.47	93.47	88.99			n/a	
tbs_04	w2a_031		3919	ARCD	1	12.93	126.58	119.67	113.03			n/a	
tbs_04	w2a_031		3920	ARCD	1	15.08	132.76	127.47	119.15		0.375	2	2
tbs_04	w2a_031		3921	ARCD	1	13.898	120.37	115.18	107.21	0.245	0.43	2	2
tbs_04	w2a_031		3922	ARCD	1	11.55	118.39	114.98	108.59			n/a	
tbs_04	w2a_031		3923	ARCD	1	4.75	91.29	88.44	82.9		0.05	2	1
tbs_04	w2a_031		3924	ARCD	1	6.76	105.34	100.72	94.79			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031		3925	ARCD	1	7.37	109.25	104.17	98.54			n/a	
tbs_04	w2a_031		3926	ARCD	1	4.94	92.5	89.9	83.75			n/a	
tbs_04	w2a_031		3927	ARCD	1	6.37	98.32	94.95	88.31			n/a	
tbs_04	w2a_031		3928	ARCD	1	4.72	90.84	88.13	83.01		0.038	2	1
tbs_04	w2a_031		3929	ARCD	1	3.51	83.31		76.64			n/a	
tbs_04	w2a_031		3930	ARCD	1	13.51	131.82	127.76	117.08			n/a	
tbs_04	w2a_031		3931	ARCD	1	10.69	115.57	111.73	105.1			n/a	
tbs_04	w2a_031		3932	ARCD	1	8.058	100.18	97.74	92.32	0.263	0.095	2	2
tbs_04	w2a_031		3933	ARCD	1	5.49	94.05	91.4	85.86			n/a	
tbs_04	w2a_031		3934	ARCD	1	18.78	140.57	136.53	127			n/a	
tbs_04	w2a_031		3935	ARCD	1	11.01	117.39	114.34	107.23			n/a	
tbs_04	w2a_031		3936	ARCD	1	4.98	94.66	92.1	86.19			n/a	
tbs_04	w2a_031		3937	ARCD	1	7.35	99.24	97.05	88.68			n/a	
tbs_04	w2a_031		3938	ARCD	1	5.2	92.7	90.71	84.6			n/a	
tbs_04	w2a_031		3939	ARCD	1	6.08	97.72	95.63	89.92			n/a	
tbs_04	w2a_031		3940	ARCD	1	5.31	94.8	90.85	85.14			n/a	
tbs_04	w2a_031		3941	ARCD	1	7.8	110.69	106.54	98.52			n/a	
tbs_04	w2a_031		3942	ARCD	1	4.96	97.76	95.19	88.66			n/a	
tbs_04	w2a_031		3943	ARCD	1	11.68	117.98	114.16	106.23			n/a	
tbs_04	w2a_031		3944	ARCD	1	6.53	97.95	94.82	88.27			n/a	
tbs_04	w2a_031		3945	ARCD	1	10	111.54	107.73	100.82			n/a	
tbs_04	w2a_031		3946	ARCD	1	6.89	96.67	94.45	88.34			n/a	
tbs_04	w2a_031		3947	ARCD	1	7.97	106.8	102.06	96.38			n/a	
tbs_04	w2a_031		3948	ARCD	1	7.08	98.66	96.25	90.58			n/a	
tbs_04	w2a_031		3949	ARCD	1	13.25	127.81	123.75	116.95			n/a	
tbs_04	w2a_031		3950	ARCD	1	12.21	129.62	126.99	116.67			n/a	
tbs_04	w2a_031		3951	ARCD	1	8.69	111.85	108.94	102.26			n/a	
tbs_04	w2a_031		3952	ARCD	1	5.316	93.88	91.05	85.37		0.033	1	6
tbs_04	w2a_031		3953	ARCD	1	4.92	90.91	88.05	83.24			n/a	
tbs_04	w2a_031		3954	ARCD	1	5.34	94.56	91.39	85.27			n/a	
tbs_04	w2a_031		3955	ARCD	1	6.03	103.33	100.02	94.6			n/a	
tbs_04	w2a_031		3956	ARCD	1	6.06	97.35	94.84	88.84			n/a	
tbs_04	w2a_031		3957	ARCD	1	13.6	125.9	119.26	113.11			n/a	
tbs_04	w2a_031		3958	ARCD	1	9.5	120.91	116.74	109.7			n/a	
tbs_04	w2a_031		3959	ARCD	1	11.34	120.21	114.44	106.7			n/a	
tbs_04	w2a_031	3970	3970	ARCD	20							n/a	
tbs_04	w2a_031	3971	3971	ARCD	20							n/a	
tbs_04	w2a_031	3972	3972	ARCD	20							n/a	
tbs_04	w2a_031	3973	3973	ARCD	20							n/a	
tbs_04	w2a_031	3974	3974	ARCD	19							n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031	3975	3975	ARCD	20							n/a	
tbs_04	w2a_031	3976	3976	ARCD	20							n/a	
tbs_04	w2a_031	3977	3977	ARCD	20							n/a	
tbs_04	w2a_031	3978	3978	ARCD	20							n/a	
tbs_04	w2a_031	3979	3979	ARCD	20							n/a	
tbs_04	w2a_031	3980	3980	ARCD	20							n/a	
tbs_04	w2a_031	3981	3981	ARCD	17							n/a	
tbs_04	w2a_031		3982	ARCD	1	0.33					0	0	Unknown
tbs_04	w2a_031		3983	ARCD	1	0.23						0	Unknown
tbs_04	w2a_031		3984	ARCD	1	0.42	41.52	40.82	38.57			0	Unknown
tbs_04	w2a_031		3985	ARCD	1	26.706	147.12	142.15	136.18	1.207	0.604	1	7
tbs_04	w2a_031		3986	KPSF	1	3.824						0	Unknown
tbs_04	w2a_031		3987	KPSF	1	4.507	81.42		67.53		0.021	1	6
tbs_04	w2a_031		3988	KPSF	1	1.396	67.83		59.81			0	Unknown
tbs_04	w2a_031		3989	LEEP	1	0.302	48.31		46.63			0	Unknown
tbs_05	bbt_032_033		3990	ARSK	1	269	303					1	skate 1
tbs_05	bbt_032_033		3991	ARCD	1	11.799	115.27	111.84	104.68			n/a	
tbs_05	bbt_032_033		3992	ARCD	1	19.11	146.93	139.29	133.75			n/a	
tbs_05	bbt_032_033		3993	ARCD	1	13.69	132.68	126.82	120.51			n/a	
tbs_05	bbt_032_033		3994	ARCD	1	16.188	123.67	120.65	112.44			n/a	
tbs_05	bbt_032_033		3995	ARCD	1	13.481	123.09	119.69	113.61			n/a	
tbs_05	bbt_032_033		3996	ARCD	1	9.78	118.88	111.2	106.31			n/a	
tbs_05	bbt_032_033		3997	ARCD	1	12.88	127.7	123.17	115.07			n/a	
tbs_05	bbt_032_033		3998	ARCD	1	14.05	129.06	124.23	116.48			n/a	
tbs_05	bbt_032_033		3999	ARCD	1	14.08	132.9	127.17	119.68			n/a	
tbs_05	bbt_032_033		4000	SCEP	1	6.926	123.54		120.15			n/a	
tbs_05	bbt_032_033		4001	AREP	1	0.626	56.23		53.39			0	Unknown
tbs_05	bbt_032_033		4002	LEEP	1	2.303					0.001	1	6
tbs_05	bbt_032_033		4003	LEEP	1	2.2	80.71		77.74			0	Unknown
tbs_05	bbt_032_033		4004	PAEP	1	1.87	76.18		73.93			n/a	
tbs_05	bbt_032_033		4005	ADEP	1	0.504						0	Unknown
tbs_05	bbt_032_033		4006	LEEP	1	0.666						0	Unknown
tbs_05	bbt_032_033		4007	ADEP	1	0.577	56.44		54.72			0	Unknown
tbs_05	bbt_032_033		4008	UNLYSP	1	0.581						0	Unknown
tbs_05	bbt_032_033		4009	SETP	1	5.89	93.42		83.32			n/a	
tbs_05	bbt_032_033		4010	KPSF	1	19.69	115.78		98.24		0.198	2	1
tbs_05	bbt_032_033		4011	KPSF	1	17.248	116.67		101.4		0.161	2	1
tbs_05	bbt_032_033		4012	KPSF	1	20.534	120.95		105.09		0.032	1	6
tbs_05	bbt_032_033		4013	KPSF	1	3.388	71.72		61.83		0.019	1	6
tbs_05	w2a_032		4014	GLHB	1	888	474		418		1.888	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4015	GLHB	1	1289	535		463		4.585	2	1
tbs_05	w2a_032		4016	GLHB	1	762	457		402		1.238	1	6
tbs_05	w2a_032		4017	GLHB	1	608	416		363		2.113	2	1
tbs_05	w2a_032		4018	GLHB	1	786	440		385		3.045	2	1
tbs_05	w2a_032		4019	GLHB	1	683	442		389		1.771	2	1
tbs_05	w2a_032		4020	ARSK	1	268	334			21		1	skate 1
tbs_05	w2a_032		4021	KPSF	1	28.898	139.69		121.68		0.602	2	1
tbs_05	w2a_032		4022	KPSF	1	20.372	120.81		100.64		0.211	1	7
tbs_05	w2a_032		4023	KPSF	1	34.867			122.5		0.594	2	2
tbs_05	w2a_032		4024	KPSF	1	66.545	164.77		144.81		0.211	1	7
tbs_05	w2a_032		4025	KPSF	1	70.326	166.13		144.83		0.724	1	7
tbs_05	w2a_032		4026	KPSF	1	33.666	141.6		124.28		0.624	2	1
tbs_05	w2a_032		4027	KPSF	1	27.76			110.07		0.108	1	6
tbs_05	w2a_032		4028	KPSF	1	67.325	171.44		150.9		0.323	1	7
tbs_05	w2a_032		4029	KPSF	1	36.805	148.65		126.83		0.818	2	2
tbs_05	w2a_032		4030	KPSF	1	31.229	137.76		122.79		0.511	2	1
tbs_05	w2a_032		4031	KPSF	1	37.498	149.93		127.91		0.821	2	2
tbs_05	w2a_032		4032	KPSF	1	23.805			113.12		0.374	2	1
tbs_05	w2a_032		4033	KPSF	1	27.593	119.07		108.13		0.418	2	1
tbs_05	w2a_032		4034	KPSF	1	21.603	123.38		102.55		0.191	2	1
tbs_05	w2a_032		4035	KPSF	1	3.692	76.04		66.79			0	Unknown
tbs_05	w2a_032		4036	GLSS	1	53.975	163.74		143.84		0.819	2	1
tbs_05	w2a_032		4037	UNZOAR	1	79.516	288		282			n/a	
tbs_05	w2a_032		4038	LEEP	1	4.889	103.46		100.56			n/a	
tbs_05	w2a_032		4039	ADEP	1	0.485	52.14		50.99			0	Unknown
tbs_05	w2a_032		4040	ARCD	1							n/a	
tbs_05	w2a_032		4041	ARCD	1	11.23	125.44	120.52	112.28			n/a	
tbs_05	w2a_032		4042	ARCD	1	19.05	144.57	139.82	131			n/a	
tbs_05	w2a_032		4043	ARCD	1	11.94	124.07	119.22	110.52			n/a	
tbs_05	w2a_032		4044	ARCD	1	16.98	137.78	132.38	124.36			n/a	
tbs_05	w2a_032		4045	ARCD	1	12.857	127.76	123.17	115.08			n/a	
tbs_05	w2a_032		4046	ARCD	1	12.43	129.49	123.14	116.32			n/a	
tbs_05	w2a_032		4047	ARCD	1	12.448	126.06	120.16	113.23			n/a	
tbs_05	w2a_032		4048	ARCD	1	12.437	127.78	124.56	115.41			n/a	
tbs_05	w2a_032		4049	ARCD	1	22.68	176.76	170.24	158.42			n/a	
tbs_05	w2a_032		4050	ARCD	1	17.837	144.32	139.11	130.69			n/a	
tbs_05	w2a_032		4051	ARCD	1	14.47	122.6	119.27	114.39		0.428	2	2
tbs_05	w2a_032		4052	ARCD	1	15.33	127.34	124.49	118.02		0.428	2	2
tbs_05	w2a_032		4053	ARCD	1	5.71	103.14	99.88	92.47			n/a	
tbs_05	w2a_032		4054	ARCD	1	17.04	137.59	130.12	121.93		0.479	2	5

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4055	ARCD	1	19.319	139.09	135.28	129.17			n/a	
tbs_05	w2a_032		4056	ARCD	1	13.45	130.69	126.03	119.56		0.329	2	1
tbs_05	w2a_032		4057	ARCD	1	7.675	105.31	101.39	96.6			n/a	
tbs_05	w2a_032		4058	ARCD	1	24.69	153.65	147.74	140.34		0.653	2	2
tbs_05	w2a_032		4059	ARCD	1	14.22	132.01	127.02	118.75			n/a	
tbs_05	w2a_032		4060	ARCD	1	12.852	121.85	118.71	112.56			n/a	
tbs_05	w2a_032		4061	ARCD	1	17.189	134.95	129.66	121.61		0.414	2	2
tbs_05	w2a_032		4062	ARCD	1	9.38	114.95	110.6	104.07			n/a	
tbs_05	w2a_032		4063	ARCD	1	20.73	145.31	140.82	131.57			n/a	
tbs_05	w2a_032		4064	ARCD	1	12.72	126.72	123.57	115.66			n/a	
tbs_05	w2a_032		4065	ARCD	1	23.752	147.55	141.55	133.94			n/a	
tbs_05	w2a_032		4066	ARCD	1	19.62	143.74	137.81	129.65			n/a	
tbs_05	w2a_032		4067	ARCD	1	6.08	101.09	98.7	92.03		0.043	1	6
tbs_05	w2a_032		4068	ARCD	1	13.271	129.35	125.25	116.08			n/a	
tbs_05	w2a_032		4069	ARCD	1	21.918	155.65	149.23	139.56			n/a	
tbs_05	w2a_032		4070	ARCD	1	14.263	133.09	127.43	119.34			n/a	
tbs_05	w2a_032		4071	ARCD	1	0.18	36.77	34.63	33.38			n/a	
tbs_05	w2a_032		4072	ARCD	1	12.501	123.78	120.05	113.53			n/a	
tbs_05	w2a_032		4073	ARCD	1	19.17	143.42	137.06	128.07			n/a	
tbs_05	w2a_032		4074	ARCD	1	7.224	104.34	102.1	96.43			n/a	
tbs_05	w2a_032		4075	ARCD	1	14.05	128.31	123.74	116.9			n/a	
tbs_05	w2a_032		4076	ARCD	1	8.34	112.49	107.85	101.1			n/a	
tbs_05	w2a_032		4077	ARCD	1	4.463	92.86	89.77	84.96			n/a	
tbs_05	w2a_032		4078	ARCD	1	7.481	100.39	97.79	92.52			n/a	
tbs_05	w2a_032		4079	ARCD	1	20.762	147.18	142.72	133.93			n/a	
tbs_05	w2a_032		4080	ARCD	1	15.5	137.16	131.21	122.64			n/a	
tbs_05	w2a_032		4081	ARCD	1	12.74	122.87	118.74	110.95			n/a	
tbs_05	w2a_032		4082	ARCD	1	10.59	121.73	117.32	111.06			n/a	
tbs_05	w2a_032		4083	ARCD	1	7.18	109.42	105.54	99.06			n/a	
tbs_05	w2a_032		4084	ARCD	1	12.876	122.72	119.91	111.8	0.607	0.348	2	2
tbs_05	w2a_032		4085	ARCD	1	14.334	130.05	126.73	119.43			n/a	
tbs_05	w2a_032		4086	ARCD	1	15.068	137.07	133.84	125.19			n/a	
tbs_05	w2a_032		4087	ARCD	1	21.04	153.52	146.37	138.14			n/a	
tbs_05	w2a_032		4088	ARCD	1	15.882	131.97	126.96	119.45		1.093	1	7
tbs_05	w2a_032		4089	ARCD	1	16.57	135.73	131.03	120.97			n/a	
tbs_05	w2a_032		4090	ARCD	1	12.728	126.34	121.53	114.73			n/a	
tbs_05	w2a_032		4091	ARCD	1	47.01	198.41	186.23	175.69		1.065	2	2
tbs_05	w2a_032		4092	ARCD	1	15.966			124.92			n/a	
tbs_05	w2a_032		4093	ARCD	1	41.734	188.11	180.59	173.24	2.755	0.834	1	7
tbs_05	w2a_032		4094	ARCD	1	23.91	159.94	153.9	142.51			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4095	ARCD	1	0.526	46.73	45.86	44.33			n/a	
tbs_05	w2a_032		4096	ARCD	1	15.542	136	130.37	123.08			n/a	
tbs_05	w2a_032		4097	ARCD	1	14.486	138.98	135.89	128.63			n/a	
tbs_05	w2a_032		4098	ARCD	1	10.263	111.54	107.8	102.45			n/a	
tbs_05	w2a_032		4099	ARCD	1	18.257			132.54			n/a	
tbs_05	w2a_032		4100	ARCD	1	11.669	123.81	120.66	114.16			n/a	
tbs_05	w2a_032		4101	ARCD	1	11.958	126.85	122.15	115.43			n/a	
tbs_05	w2a_032		4102	ARCD	1	14.738			116.31			n/a	
tbs_05	w2a_032		4103	ARCD	1	1.75	66.89	64.57	60.75			n/a	
tbs_05	w2a_032		4104	ARCD	1	14.341	130.17	127.39	120.03			n/a	
tbs_05	w2a_032		4105	ARCD	1	16.512	137.11	134.47	127.3			n/a	
tbs_05	w2a_032		4106	ARCD	1	17.083	139.77	135.67	127.65			n/a	
tbs_05	w2a_032		4107	ARCD	1	27.491	150.2	143.68	132.89			n/a	
tbs_05	w2a_032		4108	ARCD	1	8.075	109.34	106.55	100.53			n/a	
tbs_05	w2a_032		4109	ARCD	1	15.135	134.81	130.62	123.27			n/a	
tbs_05	w2a_032		4110	ARCD	1	10.347	115.34	110.89	102.67			n/a	
tbs_05	w2a_032		4111	ARCD	1	15.19	135.32	132.44	125.83			n/a	
tbs_05	w2a_032		4112	ARCD	1	10.925	118.79	113.97	108.26			n/a	
tbs_05	w2a_032		4113	ARCD	1	12.272	123.97	119.82	112.13			n/a	
tbs_05	w2a_032		4114	ARCD	1	16.991	137.03	131.54	122.95			n/a	
tbs_05	w2a_032		4115	ARCD	1	11.752	121.02	115.04	108.64			n/a	
tbs_05	w2a_032		4116	ARCD	1	5.553			83.14			n/a	
tbs_05	w2a_032		4117	ARCD	1	7.665	107.14	103.97	96.94			n/a	
tbs_05	w2a_032		4118	ARCD	1	12.258	118.48	113.83	107.8			n/a	
tbs_05	w2a_032		4119	ARCD	1	19.913	141.28	135.19	127.18			n/a	
tbs_05	w2a_032		4120	ARCD	1	11.621	115.08	111.81	104.87			n/a	
tbs_05	w2a_032		4121	ARCD	1	14.92	128.32	123.24	116.03			n/a	
tbs_05	w2a_032		4122	ARCD	1	11.491	118.92	114.08	105.51			n/a	
tbs_05	w2a_032		4123	ARCD	1	32.37	168.21	163.71	153.09			n/a	
tbs_05	w2a_032		4124	ARCD	1	8.908	111.17	108.23	102.74			n/a	
tbs_05	w2a_032		4125	ARCD	1	14.784	125.65	122.47	114.89			n/a	
tbs_05	w2a_032		4126	ARCD	1	7.33	100.17	94.39	92.19	0.395	0.155	1	6
tbs_05	w2a_032		4127	ARCD	1	16.227	132.95	127.74	122.39			n/a	
tbs_05	w2a_032		4128	ARCD	1	18.12	135.02	130.78	121.77			n/a	
tbs_05	w2a_032		4129	ARCD	1	19.688	137.24	130.81	123.74			n/a	
tbs_05	w2a_032		4130	ARCD	1	11.992	118.35	115.87	108.88			n/a	
tbs_05	w2a_032		4131	ARCD	1	15.438	135.86	131.61	125.06			n/a	
tbs_05	w2a_032		4132	ARCD	1	14.379	126.56	124.31	115.76		0.326	2	2
tbs_05	w2a_032		4133	ARCD	1	11.61	123.34	118.41	110.98			n/a	
tbs_05	w2a_032		4134	ARCD	1	15.363	135.78	131	123.38			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4135	ARCD	1	23.08	155.27	147.14	138.86			n/a	
tbs_05	w2a_032		4136	ARCD	1	33.012	161.69	156.48	147.61	2.691	0.841	2	2
tbs_05	w2a_032		4137	ARCD	1	17.848	133.84	127.91	121.78			n/a	
tbs_05	w2a_032		4138	ARCD	1	1.941						n/a	
tbs_05	w2a_032		4140	ARCD	1	10.156	116.62	114.68	108.81			n/a	
tbs_05	w2a_032		4141	ARCD	1	20.44	151.36	144.02	136.16			n/a	
tbs_05	w2a_032		4142	ARCD	1	1.403	59.72	58.29	55.69			n/a	
tbs_05	w2a_032		4143	ARCD	1	16.382	137.16	133.14	125.89			n/a	
tbs_05	w2a_032		4144	ARCD	1	33.35	171.72	161.44	151.29			n/a	
tbs_05	w2a_032		4145	ARCD	1	29.94	170.97	163.56	157.9			n/a	
tbs_05	w2a_032		4146	ARCD	1	13.65	126.4	120.98	114.03			n/a	
tbs_05	w2a_032		4147	ARCD	1	24.93	166.32	158.18	150.31		0.748	2	2
tbs_05	w2a_032		4148	ARCD	1	5.541	94.37	92.62	86.6			n/a	
tbs_05	w2a_032		4149	ARCD	1	5.704	93.01	90.12	84.82			n/a	
tbs_05	w2a_032		4150	ARCD	1	19.12	152.44	144.87	135.28			n/a	
tbs_05	w2a_032		4151	ARCD	1	15.634	129.32	125.84	117.22			n/a	
tbs_05	w2a_032		4152	ARCD	1	14.51	134.28	128.14	119.52			n/a	
tbs_05	w2a_032		4153	ARCD	1	42.6	187.71	179.7	168.06		1.316	2	2
tbs_05	w2a_032		4154	ARCD	1	12.08	117.08	112.53	106.07			n/a	
tbs_05	w2a_032		4155	ARCD	1	15.29	130.92	125.87	117.98		0.326	2	2
tbs_05	w2a_032		4156	ARCD	1	27.703	153.45	147.25	139.02			n/a	
tbs_05	w2a_032		4157	ARCD	1	9.01	119.72	114.81	107.7			n/a	
tbs_05	w2a_032		4158	ARCD	1	5.558	96	92.46	86.99			n/a	
tbs_05	w2a_032		4159	ARCD	1	10.066	115.76	110.92	105.24			n/a	
tbs_05	w2a_032		4160	ARCD	1	13.114	126.68	121.83	113.93			n/a	
tbs_05	w2a_032		4161	ARCD	1	4.884	93.24	90.87	84.72			n/a	
tbs_05	w2a_032		4162	ARCD	1	15.569	132.2	127.92	119.87			n/a	
tbs_05	w2a_032		4163	ARCD	1	18.32	144.98	139.16	130.07			n/a	
tbs_05	w2a_032		4164	ARCD	1	10.79	123.36	118.61	112.99			n/a	
tbs_05	w2a_032		4165	ARCD	1	15.729	132.3	128.15	120.54			n/a	
tbs_05	w2a_032		4166	ARCD	1	16.04	131.9	126.12	116.18			n/a	
tbs_05	w2a_032		4167	ARCD	1	8.664	109.55	106.36	99.59			n/a	
tbs_05	w2a_032		4168	ARCD	1	15.913	131.47	126.38	117.99			n/a	
tbs_05	w2a_032		4169	ARCD	1	11.37	126.7	121.81	114.18			n/a	
tbs_05	w2a_032		4170	ARCD	1	13.02	118.71	115.24	109.64		0.758	1	7
tbs_05	w2a_032		4171	ARCD	1	14.47	126.64	122.47	115.12		0.386	2	2
tbs_05	w2a_032		4172	ARCD	1	34.44	184.82	176.12	164.8			n/a	
tbs_05	w2a_032		4173	ARCD	1	3.67	81.07	78.12	73.7			n/a	
tbs_05	w2a_032		4174	ARCD	1	46.65	188.7	182.26	171.02		1.084	2	2
tbs_05	w2a_032		4175	ARCD	1	12.85	130.13	123.83	116.64			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4176	ARCD	1	11.272	119.72	116.17	108.92			n/a	
tbs_05	w2a_032		4177	ARCD	1	7.79	100.9	97.48	91.45		0.01	0	Unknown
tbs_05	w2a_032		4178	ARCD	1	15.841	134.59	129.38	121.46			n/a	
tbs_05	w2a_032		4179	ARCD	1	26	161.83	155.48	145.3			n/a	
tbs_05	w2a_032		4180	ARCD	1	7.025	103.24	100.74	94.5			n/a	
tbs_05	w2a_032		4181	ARCD	1	14.76	131.91	128.66	119.93			n/a	
tbs_05	w2a_032		4182	ARCD	1	24.24	150.37	144.9	136.2			n/a	
tbs_05	w2a_032		4183	ARCD	1	7.855	110.48	107.05	101.17			n/a	
tbs_05	w2a_032		4184	ARCD	1	14.401	125.42	121.99	115.49			n/a	
tbs_05	w2a_032		4185	ARCD	1	15.83	139.29	133.92	123.77			n/a	
tbs_05	w2a_032		4186	ARCD	1	9.276	114.45	110.59	104.94			n/a	
tbs_05	w2a_032		4187	ARCD	1	7.143	96.4	91.56	86.07			n/a	
tbs_05	w2a_032		4188	ARCD	1	8.699	104.18	101.85	96.08			n/a	
tbs_05	w2a_032		4189	ARCD	1	18.564	136.9	133.69	124.57			n/a	
tbs_05	w2a_032		4190	ARCD	1	7.62	106.05	103.06	95.08			n/a	
tbs_05	w2a_032		4191	ARCD	1	16.197	135.73	132.16	123.08			n/a	
tbs_05	w2a_032		4192	ARCD	1	20.85	147.5	139.8	131.7			n/a	
tbs_05	w2a_032		4193	ARCD	1	10.36	116.9	113.54	106.02			n/a	
tbs_05	w2a_032		4194	ARCD	1	10.56	114.96	112.15	104.45			n/a	
tbs_05	w2a_032		4195	ARCD	1	18.207	143.53	136.92	130.62			n/a	
tbs_05	w2a_032		4196	ARCD	1	18.94	144.57	140.1	130.79		0.431	2	2
tbs_05	w2a_032		4197	ARCD	1	15.84	133.31	127.36	120.56		0.446	2	2
tbs_05	w2a_032		4198	ARCD	1	0.674	51.33	49.52	47.64			n/a	
tbs_05	w2a_032		4199	ARCD	1	14.508	133.32	126.11	119.02		0.174	2	2
tbs_05	w2a_032		4200	ARCD	1	17.23	141.39	132.7	126.03			n/a	
tbs_05	w2a_032		4201	ARCD	1	30.678	160.76	151.03	142.9			n/a	
tbs_05	w2a_032		4202	ARCD	1	18.17	139.72	133.53	124.66			n/a	
tbs_05	w2a_032		4203	ARCD	1	7.96	106.53	103.52	96.29			n/a	
tbs_05	w2a_032		4204	ARCD	1	18.056	140.98	134	126.02	1.152	0.496	2	2
tbs_05	w2a_032		4205	ARCD	1	27.2	164.98	159.74	148.03			n/a	
tbs_05	w2a_032		4206	ARCD	1	4.5	86.6	84.54	79.11			n/a	
tbs_05	w2a_032		4207	ARCD	1	12.33	124.15	118.55	110.87			n/a	
tbs_05	w2a_032		4208	ARCD	1	10.9	120.63	116	108.01			n/a	
tbs_05	w2a_032		4209	ARCD	1	19.146	136.18	131.43	122.57			n/a	
tbs_05	w2a_032		4210	ARCD	1	27.44	160.35	153.79	144.1			n/a	
tbs_05	w2a_032		4211	ARCD	1	14.85	136.4	131.98	122.85			n/a	
tbs_05	w2a_032		4212	ARCD	1	18.29	140.52	135.21	126.04			n/a	
tbs_05	w2a_032		4213	ARCD	1	1.188	58.38	55.94	53.25			0	Unknown
tbs_05	w2a_032		4214	ARCD	1	14.088	126.02	120.77	113.84			n/a	
tbs_05	w2a_032		4215	ARCD	1	18.52	150.83	143.8	134.32			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4216	ARCD	1	38.06	184.45	173.04	162.12			n/a	
tbs_05	w2a_032		4217	ARCD	1	24.52	166.33	159.78	148.79			n/a	
tbs_05	w2a_032		4218	ARCD	1	18.68	141.74	137.02	128.27			n/a	
tbs_05	w2a_032		4219	ARCD	1	8.16	113.2	109.48	102.49			n/a	
tbs_05	w2a_032		4220	ARCD	1	14.06	128.31	124.5	116.41			n/a	
tbs_05	w2a_032		4221	ARCD	1	25.65	158.74	152.79	144.27		0.76	2	2
tbs_05	w2a_032		4222	ARCD	1	12.95	127.38	123.33	114.3			n/a	
tbs_05	w2a_032		4223	ARCD	1	4.602	89.3	86.64	81.49			n/a	
tbs_05	w2a_032		4224	ARCD	1	7.36	106.08	103.05	96.23			n/a	
tbs_05	w2a_032		4225	ARCD	1	9.91	117.09	112.71	105.54			n/a	
tbs_05	w2a_032		4226	ARCD	1	14.91	128.66	123.11	114.14			n/a	
tbs_05	w2a_032		4227	ARCD	1	15.29	129.2		117.55		0.598	1	7
tbs_05	w2a_032		4228	ARCD	1	11.42	122.37	118.09	110.99			n/a	
tbs_05	w2a_032		4229	ARCD	1	0.31	41.29	39.12	37.36			n/a	
tbs_05	w2a_032		4230	ARCD	1	0.25	38.21	35.82	34.09			n/a	
tbs_05	w2a_032		4231	ARCD	1	11.9	123.66	116.26	109.69			n/a	
tbs_05	w2a_032		4232	ARCD	1	10.819	111.32	108.14	102.41			n/a	
tbs_05	w2a_032		4233	ARCD	1	18.57	142.94	138.58	129.66			n/a	
tbs_05	w2a_032		4234	ARCD	1	10.143	113.39	108.04	102.44	0.602	0.296	2	2
tbs_05	w2a_032		4235	ARCD	1	20.61	141.67	135.85	127.54		1.317	1	7
tbs_05	w2a_032		4236	ARCD	1	5.471	96.51	93.74	87.65			n/a	
tbs_05	w2a_032		4237	ARCD	1	20.269	144.92	138.97	130.94			n/a	
tbs_05	w2a_032		4238	ARCD	1	9.362	106.51	103.25	96.46			n/a	
tbs_05	w2a_032		4239	ARCD	1	4.568	83.52	81.87	76.92			n/a	
tbs_05	w2a_032		4240	ARCD	1	8.52	106.55	103.11	96.36			n/a	
tbs_05	w2a_032		4241	ARCD	1	19.732	144.91	137.24	129.8			n/a	
tbs_05	w2a_032		4242	ARCD	1	11.869	124.32	119.09	111.72			n/a	
tbs_05	w2a_032		4243	ARCD	1	11.07	122.04	117.28	109.92			n/a	
tbs_05	w2a_032		4244	ARCD	1	0.551	45.16	43.41	41.39			n/a	
tbs_05	w2a_032		4245	ARCD	1	18.667	136.33	130.83	122.93			n/a	
tbs_05	w2a_032		4246	ARCD	1	26.85	157.53	152.42	143.33			n/a	
tbs_05	w2a_032		4247	ARCD	1	8.4	111.06	106.05	98.85		0.0199	2	1
tbs_05	w2a_032		4248	ARCD	1	3.051	76.31	73.45	69			n/a	
tbs_05	w2a_032		4249	ARCD	1	14.606	133.37	129.19	123.28		0.402	2	2
tbs_05	w2a_032		4250	ARCD	1	6.14	100.29	97.66	90.62			n/a	
tbs_05	w2a_032		4251	ARCD	1	5.75	95.01	92.3	86.51			n/a	
tbs_05	w2a_032		4252	ARCD	1	33.39	175.24	166.67	156.6		0.596	2	2
tbs_05	w2a_032		4253	ARCD	1	7	102.95	99.7	93.44			n/a	
tbs_05	w2a_032		4254	ARCD	1	7.45	107.97	105.53	98.57			n/a	
tbs_05	w2a_032		4255	ARCD	1	3.8	85.4	82.25	76.77	0.112	0.026	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_05	w2a_032		4256	ARCD	1	1.463						n/a	
tbs_05	w2a_032		4257	ARCD	1	23.522	155.82	147.09	137.73	0.733	0.527	2	2
tbs_05	w2a_032		4258	ARCD	1	13.214	124.92	120.58	113.81			n/a	
tbs_05	w2a_032		4259	ARCD	1	11.542	117.49	112.58	105.59			n/a	
tbs_05	w2a_032		4260	ARCD	1	0.37	40.07	38.7	37.4		0.001	0	Unknown
tbs_05	w2a_032		4261	ARCD	1	0.603						n/a	
tbs_05	w2a_032		4262	ARCD	1	0.201	35.84		32.6			0	Unknown
tbs_05	w2a_032		4263	ARCD	1	1.06	54.54	51.93	50.27			0	Unknown
tbs_05	w2a_032		4264	ARCD	1	0.368						n/a	
tbs_05	w2a_032		4265	ARCD	1	0.635	48.27	46.66	43.78		0.1	0	Unknown
tbs_05	w2a_032		4266	ARCD	1	0.279	38.58	37.65	35.57			n/a	
tbs_05	w2a_032		4267	KPSF	1	3.848	73.59		63.08		0.003	1	6
tbs_05	w2a_032		4268	ADEP	1	0.806					0.005	0	Unknown
tbs_05	w2a_032		4269	ADEP	1	0.189	46.93		45.7			0	Unknown
tbs_06	w2a_033		4271	ARCD	1	6.689	95.2	92.43	85.98			0	Unknown
tbs_06	w2a_033		4272	ARCD	1	27.708	167.36	159.93	149.98	0.332	0.017	1	6
tbs_06	w2a_033		4273	ARCD	1	0.242	35.33		33.12			0	Unknown
tbs_06	w2a_033		4274	ARCD	1	0.451	43.12	41.6	39.57			0	Unknown
tbs_06	w2a_033		4275	ARCD	1	0.332			37.31			0	Unknown
tbs_06	w2a_033		4276	ARCD	1	0.497	42.73	39.49	38.33			0	Unknown
tbs_06	w2a_033		4277	ARCD	1	9.412	113.93	115.57	104.69	0.243	0.706	1	6
tbs_06	w2a_033		4278	KPSF	1	58.774	171.92		150.33		0.48	1	7
tbs_06	w2a_033		4279	KPSF	1	46.971	170.61		145.15		0.845	2	2
tbs_06	w2a_033		4280	BLSC	1							n/a	
tbs_06	w2a_033		4281	PLSC	1	191.83	224					n/a	
tbs_hc1	mwt_011		4282	ARCD	1	5	94.45	91.18	85.39			n/a	
tbs_hc1	mwt_011		4283	ARCD	1	4.6	89.27	87.18	80.42			n/a	
tbs_hc1	mwt_011		4284	ARCD	1	7.92	104.86	101.44	94.88			n/a	
tbs_hc1	mwt_011		4285	ARCD	1	4.79	92.08	89.66	83.69			n/a	
tbs_hc1	mwt_011		4286	ARCD	1	2.88	78.64	76.78	71.23			n/a	
tbs_hc1	mwt_011		4287	ARCD	1	3.92	83.27	81.42	76.41			n/a	
tbs_hc1	mwt_011		4288	ARCD	1	2.77	78.42	76.01	70.16			n/a	
tbs_hc1	mwt_011		4289	ARCD	1	4.47	88.04	85.56	79.99		0.03	2	1
tbs_hc1	mwt_011		4290	ARCD	1	4.928	92.75	88.65	83.8		0.05	2	1
tbs_hc1	mwt_011		4291	ARCD	1	1.75						n/a	
tbs_hc1	mwt_011		4292	ARCD	1	3.587	84.98	82.49	77.28		0.021	1	6
tbs_hc1	mwt_011		4293	ARCD	1	4.93	92.37	89.21	84.54		0.026	2	1
tbs_hc1	mwt_011		4294	ARCD	1	4.19	87.42	85.45	80.54		0.047	2	1
tbs_hc1	mwt_011		4295	ARCD	1	5.07	93.73	90.52	85.12			n/a	
tbs_hc1	mwt_011		4296	ARCD	1	5.01	92.63	89.43	83.85			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_hc1	mwt_011		4297	ARCD	1	1.76	69.06	66.77	61.76			n/a	
tbs_hc1	mwt_011		4298	ARCD	1	4.34	88.7	85.42	80.83		0.073	1	7
tbs_hc1	mwt_011		4299	ARCD	1	5.06	92.11	90.1	84.65			n/a	
tbs_hc1	mwt_011		4300	ARCD	1	6.6	99.15	97.16	91.41			n/a	
tbs_hc1	mwt_011		4301	ARCD	1	4.095	85.18	83.65	78.6		0.047	1	6
tbs_hc1	mwt_011		4302	ARCD	1	4.08	86.66	84.74	79.75		0.031	1	7
tbs_hc1	mwt_011		4303	ARCD	1	4.48	90.02	87.06	82.19		0.06	2	1
tbs_hc1	mwt_011		4304	ARCD	1	3.03	80.79	78.6	73.22			n/a	
tbs_hc1	mwt_011		4305	ARCD	1	1.59	65.65	63.71	60.64		0.007	1	6
tbs_hc1	mwt_011		4306	ARCD	1	4.52	89.92	85.74	80.43		0.061	2	1
tbs_hc1	mwt_011		4307	ARCD	1	1.025	51.78	49.58	47.24		0.001	0	Unknown
tbs_hc1	mwt_011		4308	ARCD	1	2.49	77.33	74.15	69.64			n/a	
tbs_hc1	mwt_011		4309	ARCD	1	2.18	72.59	70.83	65.66			n/a	
tbs_hc1	mwt_011		4310	ARCD	1	2.28	71.96	69.95	65.73		0.018	1	6
tbs_hc1	mwt_011		4311	ARCD	1	0.17						n/a	
tbs_hc1	mwt_011		4312	ARCD	1	0.16						n/a	
tbs_hc1	mwt_011		4313	ARCD	1	0.23						n/a	
tbs_hc1	mwt_011		4314	ARCD	1	5.66	96.66	94.24	87.27			n/a	
tbs_hc1	mwt_011		4315	ARCD	1	2.46	74.65	72.19	67.57			n/a	
tbs_hc1	mwt_011		4316	ARCD	1	0.27	39.19	37.89	35.66			n/a	
tbs_hc1	mwt_011		4317	ARCD	1	0.18	33.64	32.54	31.17			0	Unknown
tbs_hc1	mwt_011		4318	ARCD	1	0.15	33.85	31.55	29.56			n/a	
tbs_hc1	mwt_011		4319	ARCD	1	0.33						n/a	
tbs_hc1	mwt_011		4320	ARCD	1	0.33						n/a	
tbs_hc1	mwt_011		4321	ARCD	1	2.7	76.56	75.09	70.51			n/a	
tbs_hc1	mwt_011		4322	ARCD	1	3.43	82.46	79.53	74.62			n/a	
tbs_hc1	mwt_011		4323	ARCD	1	3.05	75.9	73.38	70.27		0.037	2	1
tbs_hc1	mwt_011		4324	ARCD	1	2.58	78.26	76.28	69.73			n/a	
tbs_hc1	mwt_011		4325	ARCD	1	2.39	72.9	70.82	66.03			n/a	
tbs_hc1	mwt_011		4326	ARCD	1	6.82	100.76	97.61	90.56			n/a	
tbs_hc1	mwt_011		4327	ARCD	1	2.45	79.54	77.42	73.66			n/a	
tbs_hc1	mwt_011		4328	ARCD	1	2.91	80.97	78.5	73.49			n/a	
tbs_hc1	mwt_011		4329	ARCD	1	2.96	78.36	74.8	72.34		0.023	1	6
tbs_hc1	mwt_011		4330	ARCD	1	0.096	31.96	31.06	29.21			0	Unknown
tbs_hc1	mwt_011		4331	KPSF	1	5.155	82.47		70.4			0	Unknown
tbs_hc1	mwt_011		4332	KPSF	1	0.254	37.17		33.3			0	Unknown
tbs_hc1	mwt_011		4333	KPSF	1	0.293						0	Unknown
tbs_hc1	mwt_011		4334	KPSF	1	0.399						0	Unknown
tbs_hc1	mwt_011		4335	GLSS	1	51.468	162.83		142.69			n/a	
tbs_hc1	mwt_011		4336	GLSS	1	34.721	146.48		129.16			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_hc2	mwt_012		4337	GLLF	1	5.262			73.88			0	Unknown
tbs_hc2	mwt_012		4338	GLLF	1	5.185			74.38			n/a	
tbs_hc2	mwt_012		4339	GLLF	1	4.977			68.07		0.166	2	1
tbs_hc2	mwt_012		4340	KPSF	1	2.346	70.53		59.86		0.001	0	Unknown
tbs_hc2	mwt_012		4341	KPSF	1	3.918	79.01		73.81		0.001	0	Unknown
tbs_hc2	mwt_012		4342	KPSF	1	0.31						0	Unknown
tbs_hc2	mwt_012		4343	KPSF	1	0.763	44.44		35.44			0	Unknown
tbs_hc2	mwt_012		4344	KPSF	1	0.248			34.09			0	Unknown
tbs_hc2	mwt_012		4345	ARCD	1	6.39	102.95	100.37	93.8			n/a	
tbs_hc2	mwt_012		4346	ARCD	1	5.73	99.36	96.82	90.51			n/a	
tbs_hc2	mwt_012		4347	ARCD	1	7.77	101.58	97.48	92.43		0.259	1	7
tbs_hc2	mwt_012		4348	ARCD	1	6.1	105.35	102.32	95.39			n/a	
tbs_hc2	mwt_012		4349	ARCD	1	4.31	85.61	82.84	78.76		0.008	1	6
tbs_hc2	mwt_012		4350	ARCD	1	2.35	70.33	69.14	65.1			n/a	
tbs_hc2	mwt_012		4351	ARCD	1	2.82	79.57	78.06	73.14			n/a	
tbs_hc2	mwt_012		4352	ARCD	1	2.79	79.29	77.24	72.19			n/a	
tbs_hc2	mwt_012		4353	ARCD	1	4.81	95.09	92.03	86.04		0.03	2	1
tbs_hc2	mwt_012		4354	ARCD	1	3.11	79.68	78.31	73.4			n/a	
tbs_hc2	mwt_012		4355	ARCD	1	4.35	92.49	89.72	84.51			n/a	
tbs_hc2	mwt_012		4356	ARCD	1	6.66	98.03	94.25	89.35		0.123	1	7
tbs_hc2	mwt_012		4357	ARCD	1	5.44	92.3	90.1	84.71			n/a	
tbs_hc2	mwt_012		4358	ARCD	1	4.54	92.26	89.38	83.9			n/a	
tbs_hc2	mwt_012		4359	ARCD	1	4.52			79.26		0.005	1	6
tbs_hc2	mwt_012		4360	ARCD	1	2.24	75.16	73.38	67.1			n/a	
tbs_hc2	mwt_012		4361	ARCD	1	3.79	86.24	84.6	78.8			n/a	
tbs_hc2	mwt_012		4362	ARCD	1	5.66	98.39	94.9	88.18			n/a	
tbs_hc2	mwt_012		4363	ARCD	1	3.14	81.5	79.71	75.52			n/a	
tbs_hc2	mwt_012		4364	ARCD	1	3.11	80.25	77.08	72.85			n/a	
tbs_hc2	mwt_012		4365	ARCD	1	3.07	78.3	78.08	72.44			n/a	
tbs_hc2	mwt_012		4366	ARCD	1	6.02	99.67	97.12	88.42			n/a	
tbs_hc2	mwt_012		4367	ARCD	1	5.12	88.53	84.65	81.24		0.038	2	1
tbs_hc2	mwt_012		4368	ARCD	1	3.6	84.76	83.23	77.23			n/a	
tbs_hc2	mwt_012		4369	ARCD	1	6.01	95.27	92.62	86.92			n/a	
tbs_hc2	mwt_012		4370	ARCD	1	4.67	91.18	86.65	81.92			n/a	
tbs_hc2	mwt_012		4371	ARCD	1	5.88	102.63	101.14	92.45			n/a	
tbs_hc2	mwt_012		4372	ARCD	1	3.55	83.13	81.79	76.47			n/a	
tbs_hc2	mwt_012		4373	ARCD	1	5.21	93.97	90.83	84.48			n/a	
tbs_hc2	mwt_012		4374	ARCD	1	5.61	95.39	92.15	84.77			n/a	
tbs_hc2	mwt_012		4375	ARCD	1	3.23	82.84	80.41	75.23			n/a	
tbs_hc2	mwt_012		4376	ARCD	1	2.52	77.55	75.9	70.82			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_hc2	mwt_012		4377	ARCD	1	4.643	87.28	84.12	78.64		0.018	1	6
tbs_hc2	mwt_012		4378	ARCD	1	2.45	74.21	72.18	67.29			n/a	
tbs_hc2	mwt_012		4379	ARCD	1	2.14	71.35	68.59	64.54			n/a	
tbs_hc2	mwt_012		4380	ARCD	1	1.49	67.9	65.07	60.77			n/a	
tbs_hc2	mwt_012		4381	ARCD	1	1.72	64.48	62.52	59.5			0	Unknown
tbs_hc2	mwt_012		4382	ARCD	1	2.43	75.53	74.66	67.63			n/a	
tbs_hc2	mwt_012		4383	ARCD	1	2	71.54	69.1	64.39			n/a	
tbs_hc2	mwt_012		4384	ARCD	1	3.17	79.35	77.41	73.12			n/a	
tbs_hc2	mwt_012		4385	ARCD	1	3.27	83.53	80.8	74.88			n/a	
tbs_hc2	mwt_012		4386	ARCD	1	4.61	92.7	91.23	85.95			n/a	
tbs_hc2	mwt_012		4387	ARCD	1	2.46	73.82	72.12	68.35		0.028	2	1
tbs_hc2	mwt_012		4388	ARCD	1	3.05	81.71	78.9	73.96			n/a	
tbs_hc2	mwt_012		4389	ARCD	1							n/a	
tbs_hc2	mwt_012		4390	ARCD	1	2.98	78.83	76.84	71.63			n/a	
tbs_hc2	mwt_012		4391	ARCD	1	5.29	99.07	95.49	90.22			n/a	
tbs_hc2	mwt_012		4392	ARCD	1	2.13	70.8	69.14	64.19			n/a	
tbs_hc2	mwt_012		4393	ARCD	1	4.67	93.89	91.05	83.65			n/a	
tbs_hc2	mwt_012		4394	ARCD	1	3.18	80.34	77.55	72.88			n/a	
tbs_hc2	mwt_012		4395	ARCD	1	0.32	41.38	39.72	37.75			0	Unknown
tbs_hc2	mwt_012		4396	ARCD	1	1.56	68.52	66.67	61.89			n/a	
tbs_hc2	mwt_012		4397	ARCD	1	0.15						0	Unknown
tbs_hc2	mwt_012		4398	ARCD	1	7.35	100.22	95.46	89.91			n/a	
tbs_hc2	mwt_012		4399	ARCD	1	3.95	88.64	85.31	79.69		0.025	2	1
tbs_hc2	mwt_012		4400	ARCD	1	3.37	82.19	80.21	75.46			n/a	
tbs_hc2	mwt_012		4401	ARCD	1	3.41	81.56	79.46	73.87			n/a	
tbs_hc2	mwt_012		4402	ARCD	1	2.43	77.14	74.75	70.71			n/a	
tbs_hc2	mwt_012		4403	ARCD	1	6.87	101.73	98.28	91.24			n/a	
tbs_hc2	mwt_012		4404	ARCD	1	1.59	69.19	68	62.66			n/a	
tbs_hc2	mwt_012		4405	ARCD	1	2.22	71.47	69.03	65.97		0.012	2	1
tbs_hc2	mwt_012		4406	ARCD	1	3.43	81.83	80.1	75.41			n/a	
tbs_hc2	mwt_012		4407	ARCD	1	2.49	74.07	71.66	66.95			n/a	
tbs_hc2	mwt_012		4408	ARCD	1	4.64	94.36	91.55	85.89			n/a	
tbs_hc2	mwt_012		4409	ARCD	1	4.94	95.43	92.53	86.83			n/a	
tbs_hc2	mwt_012		4410	ARCD	1	4.65	91.81	89.57	84.69			n/a	
tbs_hc2	mwt_012		4411	ARCD	1	3.61	83.62	81.3	75.97			n/a	
tbs_hc2	mwt_012		4412	ARCD	1	5.24	96.06	93.84	87.95			n/a	
tbs_hc2	mwt_012		4413	ARCD	1	1.86	73.67	69.07	67.3			n/a	
tbs_hc2	mwt_012		4414	ARCD	1	3.53	85.33	82.87	78.72		0.016	1	6
tbs_hc2	mwt_012		4415	ARCD	1	3.49	80.83	78.64	74.11			n/a	
tbs_hc2	mwt_012		4416	ARCD	1	0.745	57.55	55.59	51.21		0.005	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_hc2	mwt_012		4417	ARCD	1	5.53	96.33	92.79	86.85			n/a	
tbs_hc2	mwt_012		4418	ARCD	1	3.4	83.61	81.67	76.37			n/a	
tbs_hc2	mwt_012		4419	ARCD	1	3.24	83.58	82.03	76.28			n/a	
tbs_hc2	mwt_012		4420	ARCD	1	4.92	92.9	91.37	86.81			n/a	
tbs_hc2	mwt_012		4421	ARCD	1	2.27	75.56	72.96	69.51			n/a	
tbs_hc2	mwt_012		4422	ARCD	1	3.22	83.7	81.2	76.11			n/a	
tbs_hc2	mwt_012		4423	ARCD	1	1.51	63.63	62.17	58.57		0.007	2	1
tbs_hc2	mwt_012		4424	ARCD	1	2.67	76.92	74.19	69.37			n/a	
tbs_hc2	mwt_012		4425	ARCD	1	3.03	78.29	75.96	71.9			n/a	
tbs_hc2	mwt_012		4426	ARCD	1	2.53	77.38	73.94	70.57			n/a	
tbs_hc2	mwt_012		4427	ARCD	1	3.12	78.52	76.43	71.86			n/a	
tbs_hc2	mwt_012		4428	ARCD	1	3.57	86.1	83.5	78.31			n/a	
tbs_hc2	mwt_012		4429	ARCD	1	5.34	93.95	91.26	85.01			n/a	
tbs_hc2	mwt_012		4430	ARCD	1	3.8	84.81	82.77	77.16			n/a	
tbs_hc2	mwt_012		4431	ARCD	1	3.63	85.24	83.79	78.45			n/a	
tbs_hc2	mwt_012		4432	ARCD	1	5.08	92.48	92.29	86.82			n/a	
tbs_hc2	mwt_012		4433	ARCD	1	3.21	91.05	88.26	81.83			n/a	
tbs_hc2	mwt_012		4434	ARCD	1	4.46	89.63	86.53	81.83		0.041	1	6
tbs_hc2	mwt_012		4435	ARCD	1	2.44	73.97	73.09	68.6			n/a	
tbs_hc2	mwt_012		4436	ARCD	1	3.85	82.17	80.11	74.6			n/a	
tbs_hc2	mwt_012		4437	ARCD	1	4.13	86.74	85.04	79.38		0.048	1	6
tbs_hc2	mwt_012		4438	ARCD	1	1.97	71.07		64.92			n/a	
tbs_hc2	mwt_012		4439	ARCD	1	4	85.96	83.84	78.1			n/a	
tbs_hc2	mwt_012		4440	ARCD	1	5.07	94.48	91.89	85.77			n/a	
tbs_hc2	mwt_012		4441	ARCD	1							n/a	
tbs_hc2	mwt_012		4442	ARCD	1	3.27	80.94	78.47	73.03			n/a	
tbs_hc2	mwt_012		4443	ARCD	1	4.3	86.35	84.36	78.92		0.051	1	6
tbs_hc2	mwt_012		4444	ARCD	1	2.6	76.05	72.74	67.66			n/a	
tbs_hc2	mwt_012		4445	ARCD	1	3.21	81.87	80.33	75.14			n/a	
tbs_hc2	mwt_012		4446	ARCD	1	3.57	87.06	83.94	77.83			n/a	
tbs_hc2	mwt_012		4447	ARCD	1	3.18	85.05	83.56	77.65			n/a	
tbs_hc2	mwt_012		4448	ARCD	1	3.43	82.58	81.07	75.02			n/a	
tbs_hc2	mwt_012		4449	ARCD	1	1.77	71.02	68.3	64.57			n/a	
tbs_hc2	mwt_012		4450	ARCD	1	3.49	80.85	78.61	73.52			n/a	
tbs_hc2	mwt_012		4451	ARCD	1	3.41	80.03	76.45	72.9		0.045	2	1
tbs_hc2	mwt_012		4452	ARCD	1	2.52	78.43	76.5	71.88			n/a	
tbs_hc2	mwt_012		4453	ARCD	1	2.93	79.81	78.2	73.06			n/a	
tbs_hc2	mwt_012		4454	ARCD	1	2.49	74.13	71.97	67.86			n/a	
tbs_hc2	mwt_012		4455	ARCD	1	2.3	74.33	72.65	67.33			n/a	
tbs_hc2	mwt_012		4456	ARCD	1	2.79	81.26	78.42	74.75			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_hc2	mwt_012		4457	ARCD	1	2.97	80.89	79.12	73.32			n/a	
tbs_hc2	mwt_012		4458	ARCD	1	2.76	75.69	75	69.94			n/a	
tbs_hc2	mwt_012		4459	ARCD	1	2.21	71.21	70.26	65.42			n/a	
tbs_hc2	mwt_012		4460	ARCD	1	2.11	71.98	70.7	66.93			n/a	
tbs_hc2	mwt_012		4461	ARCD	1	2.99	78.45	75.73	71.11			n/a	
tbs_hc2	mwt_012		4462	ARCD	1	2.7	76.92		70.37			n/a	
tbs_hc2	mwt_012		4463	ARCD	1	3.47	81.38	79.2	74.75			n/a	
tbs_hc2	mwt_012		4464	ARCD	1	3.83	87.67	84.93	80.47		0.019	1	6
tbs_hc2	mwt_012		4465	ARCD	1	3.81	85.04	83.58	77.72			n/a	
tbs_hc2	mwt_012		4466	ARCD	1	0.36	46.07	45.14	42.44			n/a	
tbs_hc2	mwt_012		4467	ARCD	1	3.3	85.78	84.3	78.93			n/a	
tbs_hc2	mwt_012		4468	ARCD	1	4.12			82.5		0.031	2	1
tbs_hc2	mwt_012		4469	ARCD	1	3.52	83.03	80.13	75.85			n/a	
tbs_hc2	mwt_012		4470	ARCD	1	5.24	93.8	92.38	86.34			n/a	
tbs_hc3	eht_002		4471	ARCD	1	0.27	38.81	37.42	36.03			0	Unknown
tbs_hc3	eht_002		4472	ARCD	1	1.23	57.84	55.42	52.12			n/a	
tbs_hc3	eht_002		4473	ARCD	1	1.11	58.43	56.53	52.8			n/a	
tbs_hc3	eht_002		4474	ARCD	1	1.72	65.02	63.39	59.99			0	Unknown
tbs_hc3	eht_002		4475	ARCD	1	0.73	49.52	47.9	44.82			n/a	
tbs_hc3	eht_002		4476	ARCD	1	1.19			50.31			0	Unknown
tbs_hc3	eht_002		4477	ARCD	1	0.364	41.55		37.61			n/a	
tbs_hc3	eht_002		4478	ARCD	1	0.84	51.07	48.24	46.32			n/a	
tbs_hc3	eht_002		4479	ARCD	1	0.48	44.1	42.62	40.57			0	Unknown
tbs_hc3	eht_002		4480	ARCD	1	0.73	52.98		47.89			n/a	
tbs_hc3	eht_002		4481	ARCD	1	0.49	44.72	43.53	40.86			n/a	
tbs_hc3	eht_002		4482	ARCD	1	0.91		49.47	47.91			0	Unknown
tbs_hc3	eht_002		4483	ARCD	1	0.55	47.11	46.07	41.77			n/a	
tbs_hc3	eht_002		4484	ARCD	1	0.352	39.31		35.9		0.001	n/a	
tbs_hc3	eht_002		4485	ARCD	1	0.15						n/a	
tbs_hc3	eht_002		4486	ARCD	1	0.52			41.38			n/a	
tbs_hc3	eht_002		4487	ARCD	1	0.14			28.29			0	Unknown
tbs_hc3	eht_002		4488	KPSF	1	0.311			26.86			0	Unknown
tbs_hc4	eht_003		4489	ARCD	1	0.22	35.75	35.07	32.93			0	Unknown
tbs_hc4	eht_003		4490	ARCD	1	0.264	38.34	36.35	34.46			0	Unknown
tbs_hc4	eht_003		4491	ARCD	1	0.293	42.94	40.99	38.49			0	Unknown
tbs_hc4	eht_003		4492	ARCD	1	0.19						0	Unknown
tbs_hc4	eht_003		4493	ARSS	1	0.369	36.59		31.13			0	Unknown
tbs_hc4	eht_003		4494	ARSS	1	0.335	34.7		28.91			0	Unknown
tbs_hc4	eht_003		4495	ARSS	1	0.479	36.17		30.97			0	Unknown
tbs_hc4	eht_003		4496	RBSC	1	0.815	52.08		44.75			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_hc4	eht_003		4497	GLSS	1	0.189			34.79			0	Unknown
tbs_hc4	eht_004		4498	ARSS	1	0.331	33.77		28.98			0	Unknown
tbs_hc4	eht_004		4499	ARSS	1	0.387	33.28		28.47			0	Unknown
tbs_hc4	eht_004		4500	ARSS	1	0.475	38.28		32.34			0	Unknown
tbs_hc4	eht_004		4501	ARSS	1	0.468	34.25		28.76			0	Unknown
tbs_hc4	eht_004		4502	ARSS	1	0.324	33.99		29.05			0	Unknown
tbs_hc4	eht_004		4503	ARCD	1	0.11			26.35			n/a	
tbs_hc4	eht_004		4504	ARCD	1	0.17	34.37	31.36	29.4			n/a	
tbs_hc4	eht_004		4505	ARCD	1	0.25	37.63	36.52	33.78			n/a	
tbs_hc4	eht_004		4506	ARCD	1	0.16		32.59	30.04			n/a	
tbs_hc4	eht_004		4507	ARCD	1	0.451	41.5	40.22	38.08			0	Unknown
tbs_hc4	eht_004		4508	ARCD	1	0.17			30.36			n/a	
tbs_hc4	eht_004		4509	ARCD	1	0.17	33.63	32.84	30.26			n/a	
tbs_hc4	eht_004		4510	ARCD	1	0.26			32.15			n/a	
tbs_hc4	eht_004		4511	ARCD	1	0.24	34.18	33.12	31.1			0	Unknown
tbs_hc4	eht_004		4512	ARCD	1	0.165			29.44			n/a	
tbs_hc4	eht_004		4513	ARCD	1	0.103						0	Unknown
hct_hc1	w2a_034		4514	ARCD	1	15.7	132.56	127.6	119.18		0.301	2	1
hct_hc1	w2a_034		4515	ARCD	1	42.93	184.44	178.1	168.03		1.049	2	2
hct_hc1	w2a_034		4516	ARCD	1	18.29	139.86	137.89	129.59		0.704	1	7
hct_hc1	w2a_034		4517	ARCD	1	12.1	129.32	126.07	118.28			n/a	
hct_hc1	w2a_034		4518	ARCD	1	10.97	126.33	119.92	111.45			n/a	
hct_hc1	w2a_034		4519	ARCD	1	23.43	148.16	142.47	135.53		1.107	1	7
hct_hc1	w2a_034		4520	ARCD	1	13.77	128.09	122.67	114.86		0.501	1	7
hct_hc1	w2a_034		4521	ARCD	1	16.06	137.41	131.84	124.31			n/a	
hct_hc1	w2a_034		4522	ARCD	1	15.64	135.96	131.01	121.77			n/a	
hct_hc1	w2a_034		4523	ARCD	1	15.68	138.19	133.12	124.95			n/a	
hct_hc1	w2a_034		4524	ARCD	1	9.16	109.95	107.32	100.1			n/a	
hct_hc1	w2a_034		4525	ARCD	1	15.37	136.82	131.79	123.21			n/a	
hct_hc1	w2a_034		4526	ARCD	1	14.5	126.14	123.26	116.71			n/a	
hct_hc1	w2a_034		4527	ARCD	1	14.23	136.28	133.22	124.28			n/a	
hct_hc1	w2a_034		4528	ARCD	1	12.18	128.24	124.4	118.42		0.3	2	2
hct_hc1	w2a_034		4529	ARCD	1	12.23	122.76	118.68	110.88			n/a	
hct_hc1	w2a_034		4530	ARCD	1	12.74	124.67	122.19	115.71			n/a	
hct_hc1	w2a_034		4531	ARCD	1	9.42	108.85	105.62	99.73		0.299	1	7
hct_hc1	w2a_034		4532	ARCD	1	10.04	120.74	116.2	109.69		0.502	1	7
hct_hc1	w2a_034		4533	ARCD	1	11.64	122.91	118.92	110.83			n/a	
hct_hc1	w2a_034		4534	ARCD	1	5.42	99.22	97.02	92.27		0.074	2	1
hct_hc1	w2a_034		4535	ARCD	1	6.93	100.31	96.91	92.01			n/a	
hct_hc1	w2a_034		4536	ARCD	1	6.74	94.96	92.03	86.07			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc1	w2a_034		4537	ARCD	1	7.27	103.76	100.33	94.13		0.199	1	6.5
hct_hc1	w2a_034		4538	ARCD	1	6.62	99.21	96.06	90.44			n/a	
hct_hc1	w2a_034		4539	ARCD	1	7.61		104.16	97.89		0.099	2	1
hct_hc1	w2a_034		4540	ARCD	1	6.35	102.36	99.63	93.3			n/a	
hct_hc1	w2a_034		4541	ARCD	1	5.14	93.39	90.07	83.96			n/a	
hct_hc1	w2a_034		4542	ARCD	1	5.16	91.46	89.25	85.39		0.065	2	2
hct_hc1	w2a_034		4543	ARCD	1	3.06	81.65	78.89	75.15			n/a	
hct_hc1	w2a_034		4544	ARCD	1	12.5	120.82	118.69	110.23			n/a	
hct_hc1	w2a_034		4545	ARCD	1	2.96	78.01	75.75	72.05			n/a	
hct_hc1	w2a_034		4546	ARCD	1	3.94	91.19	87.74	82.33			n/a	
hct_hc1	w2a_034		4547	ARCD	1	5.72	95.27	92.67	86.17			n/a	
hct_hc1	w2a_034		4548	ARCD	1	4.06	84.13	80.8	77.63		0.164	1	7
hct_hc1	w2a_034		4549	ARCD	1	0.76	49.61	47.59	45.86		0	2	1
hct_hc1	w2a_034		4550	ARCD	1	1.6	64.05	62.07	58.34		0.003	2	1
hct_hc1	w2a_034		4551	ARCD	1	0.57	47.26	45.02	43.14		0	0	Unknown
hct_hc1	w2a_034		4552	ARCD	1	3.23	84.63	81.92	77.57		0.043	2	1
hct_hc1	w2a_034		4553	ARCD	1	2.49	77.57	75.39	71.02			n/a	
hct_hc1	w2a_034		4554	ARCD	1	0.44	43.72	42.49	39.39			n/a	
hct_hc1	w2a_034		4555	ARCD	1	0.24	37.16	36.21	35.17			0	Unknown
hct_hc1	w2a_034		4556	ARCD	1	2.73						n/a	
hct_hc1	w2a_034		4557	ARCD	1	2.669	74.38	72.85	69.86		0.025	2	1
hct_hc1	w2a_034		4558	ARCD	1	0.416	43.88	42.47	38.17		0.013	2	1
hct_hc1	w2a_034		4559	ARCD	1	0.732	54.16	52.59	49.21			0	Unknown
hct_hc1	w2a_034		4560	ARCD	1	0.41	46.32	44.49	42.01			n/a	
hct_hc1	w2a_034		4561	ARCD	1	0.2						0	Unknown
hct_hc1	w2a_034		4562	PLSC	1	13.17	92.78					n/a	
hct_hc1	w2a_034		4563	GLSS	1	0.43	37.81		34.65			0	Unknown
hct_hc1	w2a_034		4564	GLSS	1	0.44			37.06			0	Unknown
hct_hc1	w2a_034		4565	CAEP	1	0.612	54.3		53.13			0	Unknown
hct_hc1	w2a_034		4566	AREP	1	0.475	55.81		54.88			0	Unknown
hct_hc1	w2a_034		4567	LEEP	1	1.37	69.97		68.69			0	Unknown
hct_hc1	w2a_034		4568	LEEP	1	0.879	62.99		60.84			0	Unknown
hct_hc1	w2a_034		4569	ACEP	1	0.678	61.68		60.14			n/a	
hct_hc1	w2a_034		4570	PAEP	1	3.411	90.25		87.1			n/a	
hct_hc1	w2a_034		4571	LEEP	1	12.259	137.08		133.26		0.001	1	6
hct_hc1	w2a_034		4572	LEEP	1	27.389	173.91		167.39			n/a	
hct_hc1	mwt_013		4573	GLSS	1	34.842	152.75		130.95		0.511	2	2
hct_hc1	mwt_013		4574	KPSF	1	2.52					0.017	1	6
hct_hc1	mwt_013		4575	KPSF	1	3.279	76.07		64.54			0	Unknown
hct_hc1	mwt_013		4576	GLLF	1	4.312		71.12	69			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
het_hc1	mwt_013		4577	GLLF	1	2.033	58.36	56.73	54.53			0	Unknown
het_hc1	mwt_013		4578	ARCD	1	3.53	81.04	79.14	74.35			n/a	
het_hc1	mwt_013		4579	ARCD	1	3.01	79.93	78.7	73.76			n/a	
het_hc1	mwt_013		4580	ARCD	1	3.29	79.13	77.31	73.41			n/a	
het_hc1	mwt_013		4581	ARCD	1	3.7	87.76	85.77	80.26			n/a	
het_hc1	mwt_013		4582	ARCD	1	3.783	86.9	84.33	80.13		0.032	1	7
het_hc1	mwt_013		4583	ARCD	1	3.4	87.66	84.41	80.98			n/a	
het_hc1	mwt_013		4584	ARCD	1	2.57	74.05	71.61	67.5			n/a	
het_hc1	mwt_013		4585	ARCD	1	4.93	93.49	90.7	84.27			n/a	
het_hc1	mwt_013		4586	ARCD	1	3.16	82.45	79.82	75.77			n/a	
het_hc1	mwt_013		4587	ARCD	1	3.75	86.81	85.15	79.86			n/a	
het_hc1	mwt_013		4588	ARCD	1	4.43	91.51	89.4	83.98			n/a	
het_hc1	mwt_013		4589	ARCD	1	3.07	81.46	79.35	73.97			n/a	
het_hc1	mwt_013		4590	ARCD	1	3.95	82.57	81	74.89			n/a	
het_hc1	mwt_013		4591	ARCD	1	3.51	85.78	83.27	78.37			n/a	
het_hc1	mwt_013		4592	ARCD	1	5.44	95.11	92.45	86.52			n/a	
het_hc1	mwt_013		4593	ARCD	1	4.78	92.91	89.93	84.1			n/a	
het_hc1	mwt_013		4594	ARCD	1	5.08	92.11	89.63	83.8			n/a	
het_hc1	mwt_013		4595	ARCD	1	1.59	65.06	62.94	58.52			n/a	
het_hc1	mwt_013		4596	ARCD	1	2.1	73.58	70.35	67.48			n/a	
het_hc1	mwt_013		4597	ARCD	1	2.52	78.83	76.81	72.6			n/a	
het_hc1	mwt_013		4598	ARCD	1	3.1	85.05	82.33	77.8			n/a	
het_hc1	mwt_013		4599	ARCD	1	2.67	78.6	77.02	70.93			n/a	
het_hc1	mwt_013		4600	ARCD	1	2.79	80.01	77.43	72.1			n/a	
het_hc1	mwt_013		4601	ARCD	1	7.68	104.97	101.21	95.75		0.192	1	8
het_hc1	mwt_013		4602	ARCD	1	1.96	75.02	73.46	68.12			n/a	
het_hc1	mwt_013		4603	ARCD	1	2.53	74.94	72.96	68.71			n/a	
het_hc1	mwt_013		4604	ARCD	1	2.95	80.39	78.68	73.47			n/a	
het_hc1	mwt_013		4605	ARCD	1	1.64	66.13	64.44	60.29			n/a	
het_hc1	mwt_013		4606	ARCD	1	4.15	83.42	81.47	76.48		0.144	1	7
het_hc1	mwt_013		4607	ARCD	1	2.15	72.02	70.42	66.22			n/a	
het_hc1	mwt_013		4608	ARCD	1	4.45	90.93	87.76	81.43		0.064	2	1
het_hc1	mwt_013		4609	ARCD	1	4.28	88.02	84.83	80		0.259	1	7
het_hc1	mwt_013		4610	ARCD	1	3.06	81.4	79.38	73.93			n/a	
het_hc1	mwt_013		4611	ARCD	1	4.88	96.25	94.12	88.58			n/a	
het_hc1	mwt_013		4612	ARCD	1	4.01	89.42	87.11	81.38		0.024	1	6
het_hc1	mwt_013		4613	ARCD	1	2.57	78.82	77.65	72.65			n/a	
het_hc1	mwt_013		4614	ARCD	1	3.47	86.86	84.57	79.56			n/a	
het_hc1	mwt_013		4615	ARCD	1	1.76	66.15	65.98	62.11			n/a	
het_hc1	mwt_013		4616	ARCD	1	4.64	95.77	93.32	87.72			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc1	mwt_013		4617	ARCD	1	2.78	74.69	72.71	66.71		0.07	1	6
hct_hc1	mwt_013		4618	ARCD	1	4.36	85.5	83.48	77.67			n/a	
hct_hc1	mwt_013		4619	ARCD	1	2.94	78.52	76.38	73.18			n/a	
hct_hc1	mwt_013		4620	ARCD	1	5.34	103.53	101.04	95.63		0.044	2	1
hct_hc1	mwt_013		4621	ARCD	1	2.35	74.32	72.93	67.36			n/a	
hct_hc1	mwt_013		4622	ARCD	1	0.95	54.81	53.4	49.36			n/a	
hct_hc1	mwt_013		4623	ARCD	1	2.69	79.81	77.13	72.75			n/a	
hct_hc1	mwt_013		4624	ARCD	1	3.98	88.7	84.87	80.51		0.015	1	6
hct_hc1	mwt_013		4625	ARCD	1	2.96	78.34	75.49	72.58			n/a	
hct_hc1	mwt_013		4626	ARCD	1	2.61	77.23	75.47	71			n/a	
hct_hc1	mwt_013		4627	ARCD	1	3.47	83	80.55	75.69			n/a	
hct_hc1	mwt_013		4628	ARCD	1	4.07	85.73	83.55	78.06			n/a	
hct_hc1	mwt_013		4629	ARCD	1	3.08	82.49	80.35	75.04			n/a	
hct_hc1	mwt_013		4630	ARCD	1	4.52	92.82	90.75	88.73			n/a	
hct_hc1	mwt_013		4631	ARCD	1	3.45			75.85			n/a	
hct_hc1	mwt_013		4632	ARCD	1	2.6	77.83	75.96	71.39			n/a	
hct_hc1	mwt_013		4633	ARCD	1	2.88	80.83	78.29	73.06		0.003	0	Unknown
hct_hc1	mwt_013		4634	ARCD	1	4.56	92.01	89.17	84.12			n/a	
hct_hc1	mwt_013		4635	ARCD	1	2.74	77.82	74.83	70.76			n/a	
hct_hc1	mwt_013		4636	ARCD	1	4.64	90.8	87.94	83.26			n/a	
hct_hc1	mwt_013		4637	ARCD	1	4.46	87.75	85.19	81.54		0.171	1	7
hct_hc1	mwt_013		4638	ARCD	1	2.38	76.91	75.16	70.36			n/a	
hct_hc1	mwt_013		4639	ARCD	1	3.39	83.94	81.66	77.2			n/a	
hct_hc1	mwt_013		4640	ARCD	1	2.02	76.03	74.51	68.95			n/a	
hct_hc1	mwt_013		4641	ARCD	1	2.73	81.92	79.89	75.51			n/a	
hct_hc1	mwt_013		4642	ARCD	1	2.09	70.6	67.77	63.36			n/a	
hct_hc1	mwt_013		4643	ARCD	1	4.25	88.09	85.4	80.86		0.11	1	7
hct_hc1	mwt_013		4644	ARCD	1	0.28	40.8	39.24	37.45			0	Unknown
hct_hc1	mwt_013		4645	ARCD	1	0.3	39.08	37.56	36.62			n/a	
hct_hc1	mwt_013		4646	ARCD	1	4.51	90.48	88.28	83.27		0.14	1	6
hct_hc1	mwt_013		4647	ARCD	1	2.55	77.13	75.33	70.78			n/a	
hct_hc1	mwt_013		4648	ARCD	1	5.21	94.04	91.56	87.22		0.098	1	6
hct_hc1	mwt_013		4649	ARCD	1	4.51	91.82	89.73	83.75			n/a	
hct_hc1	mwt_013		4650	ARCD	1	2.76	80.58	78.26	73.11			n/a	
hct_hc1	mwt_013		4651	ARCD	1	2.92	81.8	79.7	74.52			n/a	
hct_hc1	mwt_013		4652	ARCD	1	3.66	83.76	82.2	77.52			n/a	
hct_hc1	mwt_013		4653	ARCD	1	3.27	83.32	81.38	76.41			n/a	
hct_hc1	mwt_013		4654	ARCD	1	2.05	72.13	70.25	66			n/a	
hct_hc1	mwt_013		4655	ARCD	1	1.75	67.35	65.31	61.26			n/a	
hct_hc1	mwt_013		4656	ARCD	1	4.3	89.07	87.33	82.15		0.168	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc1	mwt_013		4657	ARCD	1	0.52						n/a	
hct_hc1	mwt_013		4658	ARCD	1	3.834	84.95	82.05	77.53		0.041	2	1
hct_hc1	mwt_013		4659	ARCD	1	4.06	92.25	90.09	84.27			n/a	
hct_hc1	mwt_013		4660	ARCD	1	3.72	87.82	85.03	79.48		0.014	2	1
hct_hc1	mwt_013		4661	ARCD	1	5.24	96.26	93.24	88.11			n/a	
hct_hc1	mwt_013		4662	ARCD	1	2.6	76.95	75.63	70.38			n/a	
hct_hc1	mwt_013		4663	ARCD	1	4.48	93.79	90.96	85.41			n/a	
hct_hc1	mwt_013		4664	ARCD	1	2.94	87.96	85.48	80.14			n/a	
hct_hc1	mwt_013		4665	ARCD	1	2.71	77.18	74.5	70.31			n/a	
hct_hc1	mwt_013		4666	ARCD	1	2.9	80.27	77.84	74.29			n/a	
hct_hc1	mwt_013		4667	ARCD	1	3.01	79.27	76.2	71.28			n/a	
hct_hc1	mwt_013		4668	ARCD	1	0.18						0	Unknown
hct_hc1	mwt_013		4669	ARCD	1	2.05	74.51	73.09	68.68			n/a	
hct_hc1	mwt_013		4670	ARCD	1	0.86	55.65	53.43	51.57			n/a	
hct_hc1	mwt_013		4671	ARCD	1	1.94	72.2	71.32	67.23			n/a	
hct_hc1	mwt_013		4672	ARCD	1	1.01	64.38	62.35	57.78			n/a	
hct_hc1	mwt_013		4673	ARCD	1	0.16	36.32					n/a	
hct_hc1	mwt_013		4674	ARCD	1	0.19	38.16	37.13	35.84			n/a	
hct_hc1	mwt_013		4675	ARCD	1	1.504	62.29	61.15	57.45		0.01	1	6
hct_hc1	mwt_013		4676	ARCD	1	2.85	76.91	74.89	69.39			n/a	
hct_hc1	mwt_013		4677	ARCD	1	2.83	81.55	78.65	74.68			n/a	
hct_hc1	mwt_013		4678	ARCD	1	0.18						0	Unknown
hct_hc1	mwt_013		4679	ARCD	1	0.309						0	Unknown
hct_hc1	mwt_013		4680	ARCD	1	0.13	37.25	35.75	34.25			0	Unknown
hct_hc1	mwt_013		4681	ARCD	1	5.19	94.85	93.27	87.79			n/a	
hct_hc1	mwt_013		4682	ARCD	1	0.88	56.52	54.82	51.89		0.001	0	Unknown
hct_hc1	mwt_013		4683	ARCD	1	2.46	75.71	73.94	68.74			n/a	
hct_hc1	mwt_013		4684	ARCD	1	3.27	84.29	80.89	75.64			n/a	
hct_hc1	mwt_013		4685	ARCD	1	0.21						n/a	
hct_hc2	mwt_014		4686	ARCD	1	3.4	84.36	81.97	76.73			n/a	
hct_hc2	mwt_014		4687	ARCD	1	3.09	81	78.24	74.46		0.033	2	1
hct_hc2	mwt_014		4688	ARCD	1	2.75	80.41	77.9	72.25			n/a	
hct_hc2	mwt_014		4689	ARCD	1	4.09	83.98	80.61	75.81		0.042	2	1
hct_hc2	mwt_014		4690	ARCD	1	4.3	94.25	91.96	86.61			n/a	
hct_hc2	mwt_014		4691	ARCD	1	2.62	81.02	77.95	74.15			n/a	
hct_hc2	mwt_014		4692	ARCD	1	2.38	77.4	75.27	70.7			n/a	
hct_hc2	mwt_014		4693	ARCD	1	3.42	81.35	77.82	73.78			n/a	
hct_hc2	mwt_014		4694	ARCD	1	3.69	84.24	81.43	76.18		0.033	2	1
hct_hc2	mwt_014		4695	ARCD	1	2.82	80.5	78.54	73.69			n/a	
hct_hc2	mwt_014		4696	ARCD	1	2.15	70.67	68.6	65.66		0.028	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc2	mwt_014		4697	ARCD	1	4.02	90.43	87.49	81.76		0.028	1	7
hct_hc2	mwt_014		4698	ARCD	1	4.25	86.31	84.36	79.51		0.091	1	6
hct_hc2	mwt_014		4699	ARCD	1	1.93	72.02	69.89	65			n/a	
hct_hc2	mwt_014		4700	ARCD	1	4.81	92.71	90.18	86.82			n/a	
hct_hc2	mwt_014		4701	ARCD	1	3.24	82.98	81.32	76.51			n/a	
hct_hc2	mwt_014		4702	ARCD	1	3.23	84.4	82.46	77.48			n/a	
hct_hc2	mwt_014		4703	ARCD	1	4.02	88.57	85.93	81.22		0.046	2	1
hct_hc2	mwt_014		4704	ARCD	1	4.617	89.28	86.44	81.36		0.136	1	6
hct_hc2	mwt_014		4705	ARCD	1	2.62	77.01	75.06	69.94			n/a	
hct_hc2	mwt_014		4706	ARCD	1	3.22	81.36	79.43	75.15			n/a	
hct_hc2	mwt_014		4707	ARCD	1	1.86	73.6	71.73	67.58			n/a	
hct_hc2	mwt_014		4708	ARCD	1	3.08	84.51	82.12	77.25			n/a	
hct_hc2	mwt_014		4709	ARCD	1	2.82	76.95	74.41	70.42			n/a	
hct_hc2	mwt_014		4710	ARCD	1	2.76	79.14	77.27	73.61			n/a	
hct_hc2	mwt_014		4711	ARCD	1	2.49	73.02	70.95	67.31		0.009	2	1
hct_hc2	mwt_014		4712	ARCD	1	3.71	82.34	80.15	75.22			n/a	
hct_hc2	mwt_014		4713	ARCD	1	4.08	86.54	84.04	80.2		0.05	1	6
hct_hc2	mwt_014		4714	ARCD	1	4.73	91.79	90.06	85.27			n/a	
hct_hc2	mwt_014		4715	ARCD	1	2.8	81.48	79.58	73.69			n/a	
hct_hc2	mwt_014		4716	ARCD	1	0.145	34	32.78	30.83			0	Unknown
hct_hc2	mwt_014		4717	ARCD	1	0.08						n/a	
hct_hc2	mwt_014		4718	ARCD	1	0.37						n/a	
hct_hc2	mwt_014		4719	ARCD	1				36.4			0	Unknown
hct_hc2	mwt_014		4720	ARCD	1	1	56.15	54.67	50.95			n/a	
hct_hc2	mwt_014		4721	ARCD	1	2.87	76.31	74.88	70.47		0.018	2	1
hct_hc2	mwt_014		4722	ARCD	1	2.49	80.08	77.53	73.84			n/a	
hct_hc2	mwt_014		4723	ARCD	1	0.87	52.09	50.36	48.48			0	Unknown
hct_hc2	mwt_014		4724	ARCD	1	0.28						0	Unknown
hct_hc2	mwt_014		4725	ARCD	1	4.21	86.79	83.77	78.47		0.172	1	6
hct_hc2	mwt_014		4726	ARCD	1	2.29	76.09	73.51	70.98			n/a	
hct_hc2	mwt_014		4727	KPSF	1	36.456	150.83		125.25			0	Unknown
hct_hc2	mwt_014		4728	KPSF	1	3.375	78.15		68.33		0.001	0	Unknown
hct_hc2	mwt_014		4729	KPSF	1	0.214						0	Unknown
hct_hc2	mwt_015		4730	ARCD	1	15.75	132.14	127.01	119.24		0.456	2	2
hct_hc2	mwt_015		4731	ARCD	1	5.2	93.13	90.08	83.68			n/a	
hct_hc2	mwt_015		4732	ARCD	1	5.5	97.26	93.99	89.62		0.028	2	1
hct_hc2	mwt_015		4733	ARCD	1	2.78	75.65	71.93	68.67			n/a	
hct_hc2	mwt_015		4734	ARCD	1	5.59	92.46	89.5	84.16		0.226	1	7
hct_hc2	mwt_015		4735	ARCD	1	2.39	77.05	73.64	69.78			n/a	
hct_hc2	mwt_015		4736	ARCD	1	3.109	89.07	87.08	77.35			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc2	mwt_015		4737	ARCD	1	2.839	77.78	76.21	72.19			n/a	
hct_hc2	mwt_015		4738	ARCD	1	4.006	84.4	80.16	77.29			n/a	
hct_hc2	mwt_015		4739	ARCD	1	1.81	72.05	69.84	66.52		0.001	0	Unknown
hct_hc2	mwt_015		4740	ARCD	1	3.66	84.61	81.77	76.17			n/a	
hct_hc2	mwt_015		4741	ARCD	1	2.53	78.66	73.47	70.55			n/a	
hct_hc2	mwt_015		4742	ARCD	1	2.82	78.18	75.56	71.48		0.013	2	1
hct_hc2	mwt_015		4743	ARCD	1	3.732	84.34	81.07	76.34			n/a	
hct_hc2	mwt_015		4744	ARCD	1	3.15	80.33	77.52	72.37			n/a	
hct_hc2	mwt_015		4745	ARCD	1	2.36	73.5	71.34	66.99		0.038	2	1
hct_hc2	mwt_015		4746	ARCD	1	3.41	84.65	82.53	77.63		0.032	2	1
hct_hc2	mwt_015		4747	ARCD	1	3.57	84.12	80.88	75.02			n/a	
hct_hc2	mwt_015		4748	ARCD	1	2.528	75.78	73.6	68.99			n/a	
hct_hc2	mwt_015		4749	ARCD	1	3.935	85.8	83.33	79.38		0.062	2	1
hct_hc2	mwt_015		4750	ARCD	1	3.74	86.43	83.17	79.26			n/a	
hct_hc2	mwt_015		4751	ARCD	1	2.785	76.01	72.75	69.46			n/a	
hct_hc2	mwt_015		4752	ARCD	1	3.711	81.06	79.18	73.78		0.079	1	6
hct_hc2	mwt_015		4753	ARCD	1	2.18	75.37	72.69	68.64			n/a	
hct_hc2	mwt_015		4754	ARCD	1	2.827	72.85	70.83	67.83			n/a	
hct_hc2	mwt_015		4755	ARCD	1	0.32	39.65	38.25	36.88			0	Unknown
hct_hc2	mwt_015		4756	ARCD	1	0.35	42.64	40.54	37.94			n/a	
hct_hc2	mwt_015		4757	ARCD	1	1.05	58.21	56.5	53.28			0	Unknown
hct_hc2	mwt_015		4758	ARCD	1	0.29	39.86	37.88	35.97			n/a	
hct_hc2	mwt_015		4759	ARCD	1	0.25	39.85	38.71	36.71			n/a	
hct_hc2	mwt_015		4760	ARCD	1	0.52	46.16	44.23	42.48			0	Unknown
hct_hc2	mwt_015		4761	ARCD	1	0.253	36.92	35.51	34.68			n/a	
hct_hc2	mwt_015		4762	ARCD	1	0.324						n/a	
hct_hc2	mwt_015		4763	ARCD	1	0.129	36.35	34.96	33.11			0	Unknown
hct_hc2	mwt_015		4764	ARCD	1	0.2	37.85	36.03	34.38			n/a	
hct_hc2	mwt_015		4765	ARCD	1	0.32	42.5	40.27	38.52			n/a	
hct_hc2	mwt_015		4766	ARCD	1	0.493	44.11	43.2	40.06			n/a	
hct_hc2	mwt_015		4767	ARCD	1	0.27	39.61	37.67	35.87			n/a	
hct_hc2	mwt_015		4768	ARCD	1	0.397	42.14	40.72	38.04			n/a	
hct_hc2	mwt_015		4769	GLLF	1	2.726	67.81		59.93		0.096	1	6
hct_hc3	mwt_016		4770	ARCD	1	7.24	101.33	98.46	92.31		0.061	1	7
hct_hc3	mwt_016		4771	ARCD	1	9.78	121.5	116	109.86		0.251	2	2
hct_hc3	mwt_016		4772	ARCD	1	4.32	88.86	87.28	81.58		0.065	2	2
hct_hc3	mwt_016		4773	ARCD	1	3.09	82.82	80.7	76.02		0.041	1	7
hct_hc3	mwt_016		4774	ARCD	1	5.43	99.26	96.61	91.56		0.059	2	2
hct_hc3	mwt_016		4775	ARCD	1	3.51	85.51	83.2	77.54			n/a	
hct_hc3	mwt_016		4776	ARCD	1	3.54	85.22	83.28	78.99		0.118	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc3	mwt_016		4777	ARCD	1	4.2	86.19	83.59	78			n/a	
hct_hc3	mwt_016		4778	ARCD	1	4.82	92.83	89.95	82.48			n/a	
hct_hc3	mwt_016		4779	ARCD	1	4.54	88.52	86.31	82.22		0.065	2	1
hct_hc3	mwt_016		4780	ARCD	1	3.78	91.17	88.04	82.48			n/a	
hct_hc3	mwt_016		4781	ARCD	1	4.039	89.81	88.04	83.63		0.053	2	1
hct_hc3	mwt_016		4782	ARCD	1	3.94	85.62	82.06	77.93		0.044	2	1
hct_hc3	mwt_016		4783	ARCD	1	3.25	80.98	79.92	74.85		0.035	2	1
hct_hc3	mwt_016		4784	ARCD	1	5.01	92.94	90.92	86.12		0.051	2	1
hct_hc3	mwt_016		4785	ARCD	1	3.43	83.31	80.34	76.26		0.005	1	6
hct_hc3	mwt_016		4786	ARCD	1	3.53	85.39	82.64	78.55		0.026	2	1
hct_hc3	mwt_016		4787	ARCD	1	3.07	79.52	77.44	72.51			n/a	
hct_hc3	mwt_016		4788	ARCD	1	3.32	83.72	81.39	75.84		0.04	1	6
hct_hc3	mwt_016		4789	ARCD	1	2.87	80.59	78.18	73.97			n/a	
hct_hc3	mwt_016		4790	ARCD	1	3.442	85	83.46	78.43		0.092	1	7
hct_hc3	mwt_016		4791	ARCD	1	3.688	84.11	80.97	77.28		0.056	1	6
hct_hc3	mwt_016		4792	ARCD	1	2.48	77.2	74.3	69.22		0.017	1	6
hct_hc3	mwt_016		4793	ARCD	1	2.78	77.22	75.98	71.53			n/a	
hct_hc3	mwt_016		4794	ARCD	1	2.22	74.28	72.09	66.82			n/a	
hct_hc3	mwt_016		4795	ARCD	1	1.97	71.57	71	66.17			n/a	
hct_hc3	mwt_016		4796	ARCD	1	2.29	72.2	69.78	67.36		0.023	1	6
hct_hc3	mwt_016		4797	ARCD	1	2.82	78.18	76.59	71.78			n/a	
hct_hc3	mwt_016		4798	ARCD	1	2.83	79.01	77.24	72.29			n/a	
hct_hc3	mwt_016		4799	ARCD	1	3.14	84.38	81.4	76.11			n/a	
hct_hc3	mwt_016		4800	ARCD	1	2.13		71.9	65.88			n/a	
hct_hc3	mwt_016		4801	ARCD	1	1.53	64.13	62.17	58.7			0	Unknown
hct_hc3	mwt_016		4802	ARCD	1	1.29	69.26		63.33			n/a	
hct_hc3	mwt_016		4803	ARCD	1	1.3	66.04	63.64	61.74		0.016	1	6
hct_hc3	mwt_016		4804	ARCD	1	0.23	36.72		33.23			n/a	
hct_hc3	mwt_016		4805	ARCD	1	0.3	41.3	39.94	37.32			n/a	
hct_hc3	mwt_016		4806	ARCD	1	0.18	35.54	34.75	33.87			0	Unknown
hct_hc3	mwt_016		4807	ARCD	1	0.69	50.23	48.47	46.23		0	2	1
hct_hc3	mwt_016		4808	ARCD	1	0.301	39.51	37.71	35.79			0	Unknown
hct_hc3	mwt_016		4809	ARCD	1	0.43	44.3	43.2	40.64			n/a	
hct_hc3	mwt_016		4810	ARCD	1	0.28						n/a	
hct_hc3	mwt_016		4811	ARCD	1	0.36	43.17	42.02	39.26			n/a	
hct_hc3	mwt_016		4812	ARCD	1	0.81		48.47	46.57			n/a	
hct_hc3	mwt_016		4813	ARCD	1	0.46	45.21	44.01	42.02			0	Unknown
hct_hc3	mwt_016		4814	ARCD	1							n/a	
hct_hc3	mwt_016		4815	ARCD	1	0.37	42.62	40.54	38.17			n/a	
hct_hc3	mwt_016		4816	ARCD	1	0.42	43.92	42.47	40.19			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
hct_hc4	mwt_017		4817	ARCD	1	3.93	86.03	84.12	78.5			n/a	
hct_hc4	mwt_017		4818	ARCD	1	2.63	78.29	75.37	70.55			n/a	
hct_hc4	mwt_017		4819	ARCD	1	2.66	76.06	74.12	68.98			n/a	
hct_hc4	mwt_017		4820	ARCD	1	3.83	87.52	86.37	80.31		0.046	2	1
hct_hc4	mwt_017		4821	ARCD	1	2.92	81.17	78.77	75.12			n/a	
hct_hc4	mwt_017		4822	ARCD	1	3.08	81.1	78.49	73.57		0.013	2	1
hct_hc4	mwt_017		4823	ARCD	1	2.32	74.13	72.51	67.72		0.029	2	1
hct_hc4	mwt_017		4824	ARCD	1	2.71	78.72	75.72	71.04			n/a	
hct_hc4	mwt_017		4825	ARCD	1	3.72	83.36	81.55	77.36		0.03	1	6
hct_hc4	mwt_017		4826	ARCD	1	1.05	56.93	54.64	52.44			0	Unknown
hct_hc4	mwt_017		4827	ARCD	1	0.38	42.95	41.16	39.26			0	Unknown
hct_hc4	mwt_017		4828	ARCD	1	0.13	37.06	35.93	34.68			0	Unknown
hct_hc4	mwt_017		4829	ARCD	1	0.26	42.36	40.94	38.8			0	Unknown
dal_hc5	mwt_018		4830	ARCD	1	3.73	84.55	82.18	76.31			n/a	
dal_hc5	mwt_018		4831	ARCD	1	2.94	79.29	76.3	72.4		0.028	2	1
dal_hc5	mwt_018		4832	ARCD	1	3.232	83.93	81.49	76.77			n/a	
dal_hc5	mwt_018		4833	ARCD	1	4.11	87.52	84.71	79.26			n/a	
dal_hc5	mwt_018		4834	ARCD	1	6.03	97.27	94.02	87.29			n/a	
dal_hc5	mwt_018		4835	ARCD	1	7.229	99.27	96.52	91.72			n/a	
dal_hc5	mwt_018		4836	ARCD	1	5.215	93.52	91.25	85.94		0.237	1	6
dal_hc5	mwt_018		4837	ARCD	1	2.728	77.72	74.54	70.68			n/a	
dal_hc5	mwt_018		4838	ARCD	1	4.91	90.11	87.87	81.98			n/a	
dal_hc5	mwt_018		4839	ARCD	1	4.053	85.89	82.72	79.74		0.055	2	1
dal_hc5	mwt_018		4840	ARCD	1	7.66	98.17	94.96	88.43		0.383	1	7
dal_hc5	mwt_018		4841	ARCD	1	3.154	81.12	78.65	73.44		0.076	1	6
dal_hc5	mwt_018		4842	ARCD	1	3.715	82.58	80.63	75.8			n/a	
dal_hc5	mwt_018		4843	ARCD	1	3.4	85.61	82.8	76.96			n/a	
dal_hc5	mwt_018		4844	ARCD	1	2.2	77.8	74.57	69.94			n/a	
dal_hc5	mwt_018		4845	ARCD	1	2.027	71.67	69.32	65.58			n/a	
dal_hc5	mwt_018		4846	ARCD	1	2.47	74.05	71.88	67.35		0.021	2	1
dal_hc5	mwt_018		4847	ARCD	1	3.472	81.92	79.09	74.52			n/a	
dal_hc5	mwt_018		4848	ARCD	1	5.055	90.41	87.38	82.13		0.165	1	7
dal_hc5	mwt_018		4849	ARCD	1	5.232	94.84	92.68	86.87			n/a	
dal_hc5	mwt_018		4850	ARCD	1	3.02	82.82	80.77	75.14		0.008	0	Unknown
dal_hc5	mwt_018		4851	ARCD	1	4.64	98.9	86.19	80.45		0.087	1	6
dal_hc5	mwt_018		4852	ARCD	1	3.13	81.84	78.58	74.04		0.027	1	6
dal_hc5	mwt_018		4853	ARCD	1	2.312	72.83	70.2	66.61			n/a	
dal_hc5	mwt_018		4854	ARCD	1	2.38	71.5	69.76	63.99		0.013	2	1
dal_hc5	mwt_018		4855	ARCD	1	5.85	107.9	104.5	97.93			n/a	
dal_hc5	mwt_018		4856	ARCD	1	5.13	94.5	92.6	86.8			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	mwt_018		4857	ARCD	1	4.934	93.87	91.3	85.55		0.045	1	6
dal_hc5	mwt_018		4858	ARCD	1	2.467			70.21		0.022	2	1
dal_hc5	mwt_018		4859	ARCD	1	2.86	83.68	81.08	74.82			n/a	
dal_hc5	mwt_018		4860	ARCD	1	2.6	76.51	74.71	70.36			n/a	
dal_hc5	mwt_018		4861	ARCD	1	2.767	75.26	73.19	69.33		0.019	2	1
dal_hc5	mwt_018		4862	ARCD	1	4.534	88.98	86.11	83.22			n/a	
dal_hc5	mwt_018		4863	ARCD	1	2.558	75.18	72.84	69.71		0.031	2	1
dal_hc5	mwt_018		4864	ARCD	1	3.11	83.09	80.04	74.92			n/a	
dal_hc5	mwt_018		4865	ARCD	1	2.44	74.57	71.66	67.05			n/a	
dal_hc5	mwt_018		4866	ARCD	1	4.293	88.33	86.06	80.77		0.065	1	7
dal_hc5	mwt_018		4867	ARCD	1	2.95	76.83	74.05	69.28			n/a	
dal_hc5	mwt_018		4868	ARCD	1	1.784	69.15	67.4	63.37		0.001	1	6
dal_hc5	mwt_018		4869	ARCD	1	3	80.12	78.09	73.62		0.066	1	6
dal_hc5	mwt_018		4870	ARCD	1	2.786	77.15	70.53	67.97			n/a	
dal_hc5	mwt_018		4871	ARCD	1	3.047	78.01	75.95	71.92		0.034	1	6
dal_hc5	mwt_018		4872	ARCD	1	3.54	80.01	78.54	74.21			n/a	
dal_hc5	mwt_018		4873	ARCD	1	4.716	89.92	87.07	82.68		0.03	1	7
dal_hc5	mwt_018		4874	ARCD	1	2.5	78.79	75.98	70.65			n/a	
dal_hc5	mwt_018		4875	ARCD	1	1.65	71.78	68.51	64.33			n/a	
dal_hc5	mwt_018		4876	ARCD	1	3.18	83.44	80.4	75.35		0.047	1	6
dal_hc5	mwt_018		4877	ARCD	1	2.437	74.55	72.05	67.55		0.002	1	6
dal_hc5	mwt_018		4878	ARCD	1	3.94	87.74	84.46	79.22		0.087	1	6
dal_hc5	mwt_018		4879	ARCD	1	2.688	76.69	74.99	70.28			n/a	
dal_hc5	mwt_018		4880	ARCD	1	3.11	80.9	78.12	73.76		0.029	2	1
dal_hc5	mwt_018		4881	ARCD	1	2.567	76.47	74.44	70.31			n/a	
dal_hc5	mwt_018		4882	ARCD	1	3.178	78.18	75.58	73.2			n/a	
dal_hc5	mwt_018		4883	ARCD	1	2.856	78.73	77.06	72.41			n/a	
dal_hc5	mwt_018		4884	ARCD	1	3.62	81.96	79.94	74.87			n/a	
dal_hc5	mwt_018		4885	ARCD	1	4.02	87.56	84.96	79.08			n/a	
dal_hc5	mwt_018		4886	ARCD	1	5.872	96.86	94.56	88.66			n/a	
dal_hc5	mwt_018		4887	ARCD	1	3.588	81.17	79.08	73.22			n/a	
dal_hc5	mwt_018		4888	ARCD	1	4.19	91.3	88.73	82.91		0.057	1	6
dal_hc5	mwt_018		4889	ARCD	1	1.24	61.82	60.32	56.64		0.002	0	Unknown
dal_hc5	mwt_018		4890	ARCD	1	2.544	71.81	68.81	66.54			n/a	
dal_hc5	mwt_018		4891	ARCD	1	2.214	71.56	70.04	64.62		0.01	1	6
dal_hc5	mwt_018		4892	ARCD	1	1.486	68.05	66.38	63.78		0.004	1	6
dal_hc5	mwt_018		4893	ARCD	1	0.46	44.57	41.74	40.5			n/a	
dal_hc5	mwt_018		4894	ARCD	1	2.189	71.88	69.28	64.99		0.013	2	1
dal_hc5	mwt_018		4895	ARCD	1	3.855	86.53	83.92	79.18		0.015	1	6
dal_hc5	mwt_018		4896	ARCD	1	2.51	76.73	74.12	69.34			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	mwt_018		4897	ARCD	1	2.01	74.15	70.9	67.44		0.02	1	6
dal_hc5	mwt_018		4898	ARCD	1	3.53	87.78	82.54	77.08			n/a	
dal_hc5	mwt_018		4899	ARCD	1	4.113	90.43	87.98	82.62			n/a	
dal_hc5	mwt_018		4900	ARCD	1	3.048	78.87	76.63	72.14			n/a	
dal_hc5	mwt_018		4901	ARCD	1	3.75	86	82.94	78.38		0.025	1	6
dal_hc5	mwt_018		4902	RBSC	1	0.34	38.67		35.5			0	Unknown
dal_hc5	mwt_018		4903	ARCD	1	4.85	89.53	86.23	81.69		0.035	2	1
dal_hc5	mwt_018		4904	ARCD	1	4	87.63	83.92	79.34		0.045	1	6
dal_hc5	mwt_018		4905	ARCD	1	3.887	86	83.25	78.46		0.051	2	1
dal_hc5	mwt_018		4906	ARCD	1	2.92	80.48	77.73	72.56			n/a	
dal_hc5	mwt_018		4907	ARCD	1	3.072	83.13	81.08	75.77			n/a	
dal_hc5	mwt_018		4908	ARCD	1	2.38	72.98	70.51	67.93		0.027	2	1
dal_hc5	mwt_018		4909	ARCD	1	3.449	79.12	76.93	72.32		0.043	2	1
dal_hc5	mwt_018		4910	ARCD	1	2.91	82.62	78.45	74.17		0.02	2	1
dal_hc5	mwt_018		4911	ARCD	1	5.38	91.4	87.74	81.97			n/a	
dal_hc5	mwt_018		4912	ARCD	1	3.37	82.54	80.61	75.93		0.047	2	1
dal_hc5	mwt_018		4913	ARCD	1	3.844	85.09	82.49	77.35		0.064	2	1
dal_hc5	mwt_018		4914	ARCD	1	4.235	88.48	84.97	80.61		0.083	2	1
dal_hc5	mwt_018		4915	ARCD	1	2.435	75.47	72.86	69.76			n/a	
dal_hc5	mwt_018		4916	ARCD	1	2.42	73.47	71.7	66.9		0.018	1	6
dal_hc5	mwt_018		4917	ARCD	1	1.55	69.95	67.78	63.84		0.009	0	Unknown
dal_hc5	mwt_018		4918	ARCD	1	0.83	52.18	50.08	48.55			0	Unknown
dal_hc5	mwt_018		4919	ARCD	1	1.08	60.61	58.96	56.04		0.001	0	Unknown
dal_hc5	mwt_018		4920	ARCD	1	0.649	47.61	46.21	44.48			n/a	
dal_hc5	mwt_018		4921	ARCD	1	0.123	31.54	30.41	29.48			0	Unknown
dal_hc5	mwt_018		4922	ARCD	1	0.19						0	Unknown
dal_hc5	mwt_018		4923	ARCD	1	0.167						0	Unknown
dal_hc5	mwt_018		4924	ARCD	1	0.127	31.39	29.88	28.58			0	Unknown
dal_hc5	mwt_018		4925	ARCD	1	0.132	35.26	33.02	31.2			0	Unknown
dal_hc5	mwt_018		4926	ARCD	1	0.23	39.14	37.98	36.14			0	Unknown
dal_hc5	mwt_018		4927	ARCD	1	0.149	35.7	34.46	32.84			0	Unknown
dal_hc5	mwt_018		4928	ARCD	1	0.16	33.79	32.62	31.6			0	Unknown
dal_hc5	mwt_018		4929	ARCD	1	0.17	37.28	35.35	34.25			n/a	
dal_hc5	mwt_018		4930	GLSS	1	65.763	170.59		149.18		1.098	2	1
dal_hc5	mwt_018		4931	GLSS	1	57.383	162.66		159.49		0.536	1	7
dal_hc5	mwt_018		4932	GLLF	1	2.187			58.99			0	Unknown
dal_hc5	mwt_018		4933	GLLF	1	3.376		65.13	62.93			0	Unknown
dal_hc5	mwt_018		4934	GLLF	1	3.304	68.61		61.6			n/a	
dal_hc5	mwt_018		4935	GLLF	1	4.355	73.21	70.6	68.17		0.052	1	7
dal_hc5	mwt_018		4936	GLLF	1	2.908		64.04	61.64			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	mwt_018		4937	GLLF	1	3.511	70.56		64.39			n/a	
dal_hc5	mwt_018		4938	KPSF	1	0.209	35.51		32.76			0	Unknown
dal_hc5	mwt_018		4939	KPSF	1	2.696	69.9		61		0.001	0	Unknown
dal_hc5	mwt_018		4940	KPSF	1	4.009			66.29			0	Unknown
dal_hc5	mwt_018		4941	KPSF	1	0.564						0	Unknown
dal_hc5	mwt_019		4942	ARCD	1	2.76	80.4	77.52	73.15			n/a	
dal_hc5	mwt_019		4943	ARCD	1	3.64	84.75	82.3	77.87			n/a	
dal_hc5	mwt_019		4944	ARCD	1	1.988	70.5	68.67	65.7			n/a	
dal_hc5	mwt_019		4945	ARCD	1	0.62	47.49	46.09	43.67			0	Unknown
dal_hc5	mwt_019		4946	ARCD	1	0.344	42.48	40.73	38.62			0	Unknown
dal_hc5	mwt_019		4947	ARCD	1	0.37	41.6	40.42	38.6			n/a	
dal_hc5	mwt_019		4948	ARCD	1	0.161	31.68	30.5	28.2			0	Unknown
dal_hc5	mwt_019		4949	ARCD	1	0.133	32.28	31.28	30.57			0	Unknown
dal_hc5	mwt_019		4950	ARCD	1	0.2	36.01		32.43			n/a	
dal_hc5	mwt_019		4951	ARCD	1	0.582	47.19	45.45	43.42			0	Unknown
dal_hc5	mwt_019		4952	ARCD	1	0.203	34.58	33.46	32.14			n/a	
dal_hc5	mwt_019		4953	ARCD	1	0.299	39.74	39.02	36.76			n/a	
dal_hc5	mwt_019		4954	ARCD	1	0.217	38.96	37.48	35.45			n/a	
dal_hc5	w2a_035		4955	VGSF	1	195.262	219.81		182.12			n/a	
dal_hc5	w2a_035		4956	PAEP	1	26.951	188.65		184.01			n/a	
dal_hc5	w2a_035		4957	RBSC	1	11.288	106.22		94.17		0.93	2	2
dal_hc5	w2a_035		4958	SKSC	1	35.798	132		105.03			0	Unknown
dal_hc5	w2a_035		4959	ALPR	1	24.553	182.49		160.74			n/a	
dal_hc5	w2a_035		4960	ALPR	1	16.889	157.86		137.16			n/a	
dal_hc5	w2a_035		4961	ALPR	1							n/a	
dal_hc5	w2a_035		4962	ALPR	1	3.925	107.38		91.91		0.012	1	6
dal_hc5	w2a_035		4963	ALPR	1	4.16	107.18		93.78			n/a	
dal_hc5	w2a_035		4964	ALPR	1	9.961	139.14		123.45		0.472	1	7
dal_hc5	w2a_035		4965	ALPR	1	3.814	104.16		89.08		0.01	1	6
dal_hc5	w2a_035		4966	ALPR	1	3.376	107.61		92.19			0	Unknown
dal_hc5	w2a_035		4967	ALPR	1	3.545	102.76		87.62		0.007	1	6
dal_hc5	w2a_035		4968	ALPR	1							n/a	
dal_hc5	w2a_035		4969	ALPR	1	3.566	103.62		90.92			n/a	
dal_hc5	w2a_035		4970	GLHB	1	959	472		413		1.834	1	6
dal_hc5	w2a_035		4971	GLHB	1	846	459		399		2.446	2	1
dal_hc5	w2a_035		4972	GLHB	1	919	482		423		3.19	2	1
dal_hc5	w2a_035		4973	ARCD	1	69.015	229	224	218			n/a	
dal_hc5	w2a_035		4974	BRFL	1	394	357		302			n/a	
dal_hc5	w2a_035		4975	GLHB	1	1009	478		419		3.26	2	1
dal_hc5	w2a_035		4976	GLHB	1	1586	545		478		4.798	2	1

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dal_hc5	w2a_035		4977	GLHB	1	1035	484		424		2.08	1	6
dal_hc5	w2a_035		4979	GLHB	1	953	477		420		2.5222	2	1
dal_hc5	w2a_035		4980	GLHB	1	393	359		315		1.017	2	1
dal_hc5	w2a_035		4982	GLHB	1	754	438		382		2.418	2	1
dal_hc5	w2a_035		4983	GLHB	1	280	340		298		0.338	1	6
dal_hc5	w2a_035		4984	BRFL	1	430	378		323			n/a	
dal_hc5	w2a_035		4986	GLHB	1	1127	507		444		3.23	2	1
dal_hc5	w2a_035		4987	GLHB	1	987	486		422		2.815	2	1
dal_hc5	w2a_035		4988	GLHB	1	904	485		419		2.653	2	1
dal_hc5	w2a_035		4989	GLHB	1	1037	484		422		2.971	2	1
dal_hc5	w2a_035		4990	GLHB	1	953	485		422		2.371	2	1
dal_hc5	w2a_035		5001	KPSF	1	0.16						0	Unknown
dal_hc5	w2a_035		5002	ARCD	1	58.457	223.14	209.04	196.97		2.265	2	2
dal_hc5	w2a_035		5003	ARCD	1	54.24	196.85	187.58	175.26		1.663	2	2
dal_hc5	w2a_035		5004	ARCD	1	53.344	208.82	201.42	187.66		1.911	2	2
dal_hc5	w2a_035		5005	ARCD	1	78.903	231.41	220.19	208.69		3.076	2	2
dal_hc5	w2a_035		5006	ARCD	1	37.704	190.04	180.01	167.06		1.177	2	2
dal_hc5	w2a_035		5007	ARCD	1							n/a	
dal_hc5	w2a_035		5008	UNSTIC	1							n/a	
dal_06	w2a_006		8001	ARSK	1	1269	580					1	skate 2
gry_hc2	w2a_027	3269	8002	ARCD	1	5.43	91.91	89.87	84.03	0.128	0.109	1	6
gry_hc2	w2a_027	3269	8003	ARCD	1	2.87	78.56	74.57	69.97	0.118	0.0284	1	
gry_hc2	w2a_027	3269	8004	ARCD	1	4.82	92.73	90.04	84.19	0.098	0.0683	2	
gry_hc2	w2a_027	3269	8005	ARCD	1	5.31	96.53	92.75	87.35	0.288	0.01286	1	
gry_hc2	w2a_027	3269	8006	ARCD	1	3.43	80.45	75.74	73.87	0.179	0.0584	2	
gry_hc2	w2a_027	3269	8007	ARCD	1	5.9	99.65	97.54	91.31	0.136	0.0184	1	
gry_hc2	w2a_027	3269	8008	ARCD	1	3.27	81.19	79.36	73.97	0.139	0.0383	1	
gry_hc2	w2a_027	3269	8009	ARCD	1	5.92	101.43	98.7	90.97	0.228	0.0787	2	
gry_hc2	w2a_027	3269	8010	ARCD	1	3.7	89.4	86.17	78.88			n/a	
gry_hc2	w2a_027	3269	8011	ARCD	1	6.25	94.69	92.1	86.72	0.2789	0.0888	1	
gry_hc2	w2a_027	3269	8012	ARCD	1	5.55	100.88	97.94	91	0.37	0.1008	1	
gry_hc2	w2a_027	3269	8013	ARCD	1	6.19	100.41	97.21	90.81	0.3362	0.0782	1	
gry_hc2	w2a_027	3269	8014	ARCD	1	6.33	101.27	98.17	91.47	0.2286	0.0582	2	
gry_hc2	w2a_027	3269	8015	ARCD	1	4.5	90.36	87.1	80.9	0.2287	0.0686	1	
gry_hc2	w2a_027	3269	8016	ARCD	1	5.14	95.91	90.58	87.06	0.208	0.1283	1	
gry_hc2	w2a_027	3269	8017	ARCD	1	4.96	88.95	87.13	80.61	0.3187	0.0886	1	
gry_hc2	w2a_027	3269	8018	ARCD	1	3.29	83.02	81.53	76.78	0.168	0.0186	1	6
gry_hc2	w2a_027	3269	8019	ARCD	1	2.65	76.72	75.4	69.76	0.1195		0	
gry_hc2	w2a_027	3269	8020	ARCD	1	2.25	71.91	70.36	66	0.0488	0.0182	1	
gry_hc2	w2a_027	3269	8021	ARCD	1	3.92	89.52	86.35	81.13	0.108		n/a	

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gry_hc2	w2a_027	3278	8022	ARCD	1	15.22	136.1	127.09	120.52	0.5281	0.9287	1	7
gry_hc2	w2a_027	3278	8023	ARCD	1	5.39	99.18	96.09	90.23	0.2281	0.0889	1	
gry_hc2	w2a_027	3278	8024	ARCD	1	7.87	106.85	103.8	97.72	0.0888	0.138	1	
gry_hc2	w2a_027	3278	8025	ARCD	1	5.22	92.76	89.05	84.2	0.1886	0.1784	1	
gry_hc2	w2a_027	3278	8026	ARCD	1	3.8	87.46	84.84	79.26	0.1089	0.08	1	
gry_hc2	w2a_027	3278	8027	ARCD	1	6.89	104.52	100.85	95.25	0.2789	0.1586	1	
gry_hc2	w2a_027	3278	8028	ARCD	1	5.03	92.4	88.34	83	0.2173	0.0789	1	
gry_hc2	w2a_027	3278	8029	ARCD	1	5.63	97.45	95.13	88.47	0.2287	0.048	1	
gry_hc2	w2a_027	3278	8030	ARCD	1	2.96	81.84	78.78	75.47	0.1389		n/a	
gry_hc2	w2a_027	3278	8031	ARCD	1	4.07	85.43	83.64	77.59	0.1281	0.0282	1	
gry_hc2	w2a_027	3278	8032	ARCD	1	4.73	91.61	88.95	82.67	0.2581	0.0587	2	
gry_hc2	w2a_027	3278	8033	ARCD	1	5.36	91.05	88.1	81.34	0.2284	0.1081	1	
gry_hc2	w2a_027	3278	8034	ARCD	1	4.28	84.82	81.94	76.23	0.1583	0.0985	1	
gry_hc2	w2a_027	3278	8035	ARCD	1	12.16	120.75	116.47	108.73	0.658	0.3685	1	
gry_hc2	w2a_027	3278	8036	ARCD	1	4.1	87.66	84.35	78.13	0.098	0.0484	1	
gry_hc2	w2a_027	3278	8037	ARCD	1	5.97	98.31	94.05	88.78	0.3187	0.1281	1	
gry_hc2	w2a_027	3278	8038	ARCD	1	6.32	95.6	92.19	86.05	0.1981	0.0581	1	
gry_hc2	w2a_027	3278	8039	ARCD	1	3.55	82.11	79.85	74.97	0.128	0.0281	1	
gry_hc2	w2a_027	3278	8040	ARCD	1	3.08	79.63	76.96	72.5	0.0785		n/a	
gry_hc2	w2a_027	3278	8041	ARCD	1	6.89	105.12	102.35	94.9	0.248	0.1587	1	
gry_hc2	w2a_027	3260	8042	ARCD	1	5.33	92.74	90.43	84.37	0.328	0.0881	2	
gry_hc2	w2a_027	3260	8043	ARCD	1	9.52	111.53	108.01	101.38	0.419	0.1682	1	
gry_hc2	w2a_027	3260	8044	ARCD	1	18.01	143.26	138.29	130.36	0.8081	0.5582	2	
gry_hc2	w2a_027	3260	8045	ARCD	1	6.5	102.21	98.75	91.75	0.3685	0.1385	1	
gry_hc2	w2a_027	3260	8046	ARCD	1	9.39	118.41	116.15	106.33	0.388	0.4586	1	
gry_hc2	w2a_027	3260	8047	ARCD	1	15.28	137.81	131.81	125.86	0.7384	0.4881	2	
gry_hc2	w2a_027	3260	8048	ARCD	1	6.51	99.69	96.58	90.49	0.2385		n/a	
gry_hc2	w2a_027	3260	8049	ARCD	1	9.51	116.77	113.57	106.88	0.528	0.2488	2	
gry_hc2	w2a_027	3260	8050	ARCD	1	13.25	135.95	133.3	124.38	0.5289	0.3986	2	
gry_hc2	w2a_027	3260	8051	ARCD	1	5.96	94.93	92.71	88.83	0.3283	0.1595	1	
gry_hc2	w2a_027	3260	8052	ARCD	1	12.55	127.15	123.52	113.15	0.3982	0.3281	2	
gry_hc2	w2a_027	3260	8053	ARCD	1	5.96	98.56	95.03	88.67	0.1381	0.0286	2	
gry_hc2	w2a_027	3260	8054	ARCD	1	10.53	115.02	110.99	102.99	0.4086	0.2387	2	
gry_hc2	w2a_027	3260	8055	ARCD	1	3.37	79.75	77.93	72.58	0.1681	0.0187	2	
gry_hc2	w2a_027	3260	8056	ARCD	1	8.62	110.66	107.35	98.13	0.2782	0.1686	2	
gry_hc2	w2a_027	3260	8057	ARCD	1	3.86	84.56	82.46	76.35	0.1783	0.078	1	
gry_hc2	w2a_027	3260	8058	ARCD	1	5.53	88.39	87.69	80.95	0.248	0.1284	1	
gry_hc2	w2a_027	3260	8059	ARCD	1	7.12	100.96	97.8	91.53	0.2784	0.2989	1	
gry_hc2	w2a_027	3260	8060	ARCD	1	6.09	100.61	96.45	90.25	0.1886	0.0788	2	
gry_hc2	w2a_027	3260	8061	ARCD	1	5.26	93.84	91.91	86.05	0.268	0.0183	1	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc1	mwt_001	842	8062	ARCD	1	0.076	30.08	28.67	26.48			n/a	
dal_hc1	mwt_001	842	8063	ARCD	1	0.189	36.83		33.61			n/a	
dal_hc1	mwt_001	842	8064	ARCD	1	0.217	38.17	36.67	34.04			n/a	
dal_hc1	mwt_001	842	8065	ARCD	1	0.069	30.73	28.62	26.58			n/a	
dal_hc1	mwt_001	842	8066	ARCD	1	0.226	38.3	36.91	34.71			n/a	
dal_hc1	mwt_001	842	8067	ARCD	1	0.191	35.16	33.82	30.86			n/a	
dal_hc1	mwt_001	842	8068	ARCD	1	0.484	44.36	43	40.3			n/a	
dal_hc1	mwt_001	842	8069	ARCD	1	3.155	80.87	79.07	75.14			n/a	
dal_hc1	mwt_001	842	8070	ARCD	1	0.027						n/a	
dal_hc1	mwt_001	842	8071	ARCD	1	0.137	35.97	34.73	32.32			n/a	
dal_hc1	mwt_001	842	8072	ARCD	1	0.136	36.04	34.03	30.67			n/a	
dal_hc1	mwt_001	842	8073	ARCD	1	0.055	26.21		24.58			n/a	
dal_hc1	mwt_001	842	8074	ARCD	1	0.122	32.16		29.29			n/a	
dal_hc1	mwt_001	842	8075	ARCD	1	0.089						n/a	
dal_hc1	mwt_001	842	8076	ARCD	1	0.045						n/a	
tbs_04	w2a_031	3974	8077	ARCD	1	18.96	135.07	125.75	122.43		0.65	1	6
dal_hc2	mwt_002	843	8083	ARCD	1	0.251						n/a	
dal_hc2	mwt_002	843	8084	ARCD	1	0.276	39.34	37.26	34.95			n/a	
dal_hc2	mwt_002	843	8085	ARCD	1	0.279	41.19	39.09	36.45			n/a	
dal_hc2	mwt_002	843	8086	ARCD	1	0.375	41.73	40.61	38.02			n/a	
dal_hc2	mwt_002	843	8087	ARCD	1	0.275	40.29	39.3	36.3			n/a	
dal_hc2	mwt_002	843	8088	ARCD	1	0.366	41.17	40.1	37.22			n/a	
dal_hc2	mwt_002	843	8089	ARCD	1	0.277	40.97	38.62	36.28			n/a	
dal_hc2	mwt_002	843	8090	ARCD	1	0.199	36.93	35.74	33.85			n/a	
dal_hc2	mwt_002	843	8091	ARCD	1	0.242	39.52	38.81	36.83			n/a	
dal_hc2	mwt_002	843	8092	ARCD	1	0.12	31.5	30.89	29.41			n/a	
dal_hc2	mwt_002	843	8093	ARCD	1	0.065	26.8		24.56			n/a	
dal_hc2	mwt_002	843	8094	ARCD	1	0.537	48.43	47.74	43.75			n/a	
dal_hc2	mwt_002	843	8095	ARCD	1	0.265	40.52	39.21	38.02			n/a	
dal_hc2	mwt_002	843	8096	ARCD	1	0.29	42.37	41.12	37.2			n/a	
dal_hc2	mwt_002	843	8097	ARCD	1	0.305	41.23		38.32			n/a	
dal_hc2	mwt_002	843	8098	ARCD	1	0.262						n/a	
dal_hc2	mwt_002	843	8099	ARCD	1	0.148						n/a	
dal_hc2	mwt_002	843	8100	ARCD	1	0.212						n/a	
dal_hc2	mwt_002	843	8101	ARCD	1	0.294						n/a	
dal_hc2	mwt_002	843	8102	ARCD	1	0.08						n/a	
dal_hc2	mwt_002	843	8103	ARCD	1	0.051						n/a	
dal_hc2	mwt_002	843	8104	ARCD	1	0.065						n/a	
kug_01	bbt_005_006	911	8105	ARCD	1	0.495	44.27	43.25	40.95			n/a	
kug_01	bbt_005_006	911	8106	ARCD	1	0.237	40.71	38.73	37.1			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_01	bbt_005_006	911	8107	ARCD	1	0.189	39.25	38.08	35.78			n/a	
kug_01	bbt_005_006	911	8108	ARCD	1	0.419						n/a	
kug_hc2	mwt_006	1827	8109	ARCD	1	0.312	40.81	39.18	37.39			0	Unknown
kug_hc2	mwt_006	1827	8110	ARCD	1	0.661	47.2	44.84	42.76			0	Unknown
kug_hc2	mwt_006	1827	8111	ARCD	1	0.469	42.22	40.93	37.92			0	Unknown
kug_hc2	mwt_006	1827	8112	ARCD	1	0.225	35.02	33.37	31.39			0	Unknown
kug_hc2	mwt_006	1827	8113	ARCD	1	1.098	54.06	52.25	49.37			0	Unknown
kug_hc2	mwt_006	1827	8114	ARCD	1	0.258	36.85	35.11	33.62			0	Unknown
kug_hc2	mwt_006	1827	8115	ARCD	1	0.181						0	Unknown
kug_hc2	mwt_006	1827	8116	ARCD	1	0.344	39.13	37.74	36.29			0	Unknown
kug_hc2	mwt_006	1827	8117	ARCD	1	0.226	32.55	31.73	29.69			0	Unknown
kug_hc2	mwt_006	1827	8118	ARCD	1	0.386	42.76	41.26	38.02			0	Unknown
kug_hc2	mwt_006	1827	8119	ARCD	1	0.167	36.28	35.14	34.11			0	Unknown
kug_hc2	mwt_006	1827	8120	ARCD	1	0.303						0	Unknown
kug_hc2	mwt_006	1827	8121	ARCD	1	0.441	43.9	42.56	39.4			n/a	
kug_hc2	mwt_006	1827	8122	ARCD	1	0.364	39.88	39.06	36.42			n/a	
kug_hc2	mwt_006	1827	8123	ARCD	1	0.142	36.62	31.26	29.68			n/a	
kug_hc2	mwt_006	1827	8124	ARCD	1	0.783	50.43	48.52	46.53			n/a	
kug_hc2	mwt_006	1827	8125	ARCD	1	0.369	41.27	39.4	36.77			n/a	
kug_hc2	mwt_006	1827	8126	ARCD	1	0.228	36.55	35.49	33.32			n/a	
kug_hc2	mwt_006	1827	8127	ARCD	1	0.239	35.23	33.57	31.57			n/a	
kug_hc2	mwt_006	1827	8128	ARCD	1	0.164	32.72	31.48	29.52			n/a	
kug_hc2	mwt_006	1827	8129	ARCD	1	0.256	37.76	36.27	34.03			n/a	
kug_hc2	mwt_006	1827	8130	ARCD	1	0.266	36.41	34.93	32.67			n/a	
kug_hc2	mwt_006	1827	8131	ARCD	1	0.261	37.66	36.5	33.41			n/a	
kug_hc2	mwt_006	1827	8132	ARCD	1	0.281	37.41	36.51	34.09			n/a	
kug_hc2	mwt_006	1827	8133	ARCD	1	0.289	39.02	38.1	34.46			n/a	
kug_hc2	mwt_006	1827	8134	ARCD	1	0.233	36.36	35.48	33.54			n/a	
kug_hc2	mwt_006	1827	8135	ARCD	1	0.166	37.95	37.61	35			n/a	
kug_hc2	mwt_006	1827	8136	ARCD	1	0.208	34.96	34.02	30.88			n/a	
kug_hc2	mwt_006	1827	8137	ARCD	1	0.203	36.12	34.25	32.38			n/a	
kug_hc2	mwt_006	1827	8138	ARCD	1	0.186	33.3	31.78	30.01			n/a	
kug_hc2	mwt_006	1827	8139	ARCD	1	0.208	35.21	34.28	32.16			n/a	
kug_hc2	mwt_006	1827	8140	ARCD	1	0.233	37.61	36.46	33.99			n/a	
kug_hc2	mwt_006	1827	8141	ARCD	1	0.154	34.93	33.48	31.56			n/a	
kug_hc2	mwt_006	1827	8142	ARCD	1	0.151	36.95	35.82	33.83			n/a	
kug_hc2	mwt_006	1827	8143	ARCD	1	0.16						n/a	
kug_hc2	mwt_006	1827	8144	ARCD	1	0.29						n/a	
kug_hc2	mwt_006	1827	8145	ARCD	1	0.155	32.14		30.03			n/a	
kug_hc2	mwt_006	1827	8146	ARCD	1	0.381						n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc2	mwt_006	1827	8147	ARCD	1	0.209						n/a	
kug_hc2	mwt_006	1827	8148	ARCD	1	0.128						n/a	
kug_hc2	mwt_006	1827	8149	ARCD	1	0.26						n/a	
kug_hc2	mwt_006	1827	8150	ARCD	1	0.126						n/a	
kug_hc2	mwt_006	1827	8151	ARCD	1	0.348						n/a	
kug_hc2	mwt_006	1827	8152	ARCD	1	0.096						n/a	
kug_hc2	mwt_006	1827	8153	ARCD	1	0.133						n/a	
kug_hc2	mwt_006	1827	8154	ARCD	1	0.089						n/a	
kug_hc2	mwt_006	1827	8155	ARCD	1	0.208						n/a	
kug_hc3	w2a_018	2074	8156	ARCD	1	4.78	90.67	88.67	83.23		0.062	2	1
kug_hc3	w2a_018	2074	8157	ARCD	1	9.35	112.68	108.7	102.19		0.445	1	7
kug_hc3	w2a_018	2074	8158	ARCD	1	12.28	125.22	120.96	113.26		0.322	1	7
kug_hc3	w2a_018	2074	8159	ARCD	1	6.21	98.95	96.58	89.1		0.109	1	7
kug_hc3	w2a_018	2074	8160	ARCD	1	4.81	92.26	90.35	83.26		0.054	2	1
kug_hc3	w2a_018	2074	8161	ARCD	1	2.46	76.04	73.55	69.27		0.018	2	1
kug_hc3	w2a_018	2074	8162	ARCD	1	5.05	95.78	92.85	86.93		0.044	1	7
kug_hc3	w2a_018	2074	8163	ARCD	1	5.42	93.97	91.02	84.77		0.08	1	6
kug_hc3	w2a_018	2074	8164	ARCD	1	6.58	103.5	101.44	95.54		0.063	2	1
kug_hc3	w2a_018	2074	8165	ARCD	1	3.35	85.69	83.09	77.34		0.024	2	1
kug_hc3	w2a_018	2074	8166	ARCD	1	12.43	120.46	115.79	109.5		0.451	1	7
kug_hc3	w2a_018	2074	8167	ARCD	1	25.5	161.13	159.44	146.25		0.613	2	2
kug_hc3	w2a_018	2074	8168	ARCD	1	11.263	115.77	112.67	105.19		0.34	1	7
kug_hc3	w2a_018	2074	8169	ARCD	1	13.95	129.88	123.8	120.68		0.367	2	2
kug_hc3	w2a_018	2074	8170	ARCD	1	4.5	89.08	85.89	80.47		0.039	2	1
kug_hc3	w2a_018	2074	8171	ARCD	1	5.41	95.36	92.82	87.48		0.064	1	6
kug_hc3	w2a_018	2074	8172	ARCD	1	6.32	100.4	97.32	90.14		0.119	1	6
kug_hc3	w2a_018	2074	8173	ARCD	1	4.6	89.22	86.16	81.37		0.044	2	1
kug_hc3	w2a_018	2074	8174	ARCD	1	6.14	101.05	98.42	92.27		0.083	2	1
kug_hc3	w2a_018	2074	8175	ARCD	1	4.18	88.75	86.15	81.38		0.08	1	6
kug_hc3	w2a_018	2075	8176	ARCD	1	6.98	103.09	98.59	93.78		0.113	2	1
kug_hc3	w2a_018	2075	8177	ARCD	1	8.53	115.63	112.01	105.92		0.202	2	2
kug_hc3	w2a_018	2075	8178	ARCD	1	11.6	124.12	119.72	112.35		0.26	2	2
kug_hc3	w2a_018	2075	8179	ARCD	1	13.64	130.94	124.8	117.23		0.367	2	2
kug_hc3	w2a_018	2075	8180	ARCD	1	26.33	163.96	156.97	147.27		0.595	2	2
kug_hc3	w2a_018	2075	8181	ARCD	1	16	140.14	134.48	126.84		0.479	1	7
kug_hc3	w2a_018	2075	8182	ARCD	1	5.94	94.85	90.71	85.93		0.124	1	7
kug_hc3	w2a_018	2075	8183	ARCD	1	6.11	101.09	97.93	91.7		0.029	1	6
kug_hc3	w2a_018	2075	8184	ARCD	1	5.55	96.84	92.91	87.21		0.041	1	6
kug_hc3	w2a_018	2075	8185	ARCD	1	5.083	98.62	96.13	89.5		0.053	2	1
kug_hc3	w2a_018	2075	8186	ARCD	1	3.647	84.22	81	75.89			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2075	8187	ARCD	1	3.9	88.29	85.96	80.02		0.045	2	1
kug_hc3	w2a_018	2075	8189	ARCD	1	4.3	92.34	89.89	84.49		0.109	1	7
kug_hc3	w2a_018	2075	8190	ARCD	1	4.9	92.11	88.89	82.9		0.054	2	1
kug_hc3	w2a_018	2075	8191	ARCD	1	5.06	96.49	93.48	87.58		0.1	1	6
kug_hc3	w2a_018	2075	8192	ARCD	1	5.91	100.81	97.73	92.14		0.114	1	7
kug_hc3	w2a_018	2075	8193	ARCD	1	4.22	86.72	83.35	77.91		0.062	1	7
kug_hc3	w2a_018	2075	8194	ARCD	1	10.72	123.88	116.89	112.15		0.197	1	6
kug_hc3	w2a_018	2075	8195	ARCD	1	17.2	136.67	128.95	121.96		0.585	1	7
kug_hc3	w2a_018	2078	8196	ARCD	1	4.31	86.07	82.64	78.09		0.057	2	1
kug_hc3	w2a_018	2078	8197	ARCD	1	10.93	117.09	112.74	105.83		0.334	2	2
kug_hc3	w2a_018	2078	8198	ARCD	1	9.68	117.56	112.39	105.44		0.242	1	7
kug_hc3	w2a_018	2078	8199	ARCD	1	8.08	113.01	107.57	101.57		0.165	1	7
kug_hc3	w2a_018	2078	8200	ARCD	1	16.84	148.65	142.66	134.39		0.362	2	2
kug_hc3	w2a_018	2078	8201	ARCD	1	6.9	99.5	96.35	90		0.161	1	7
kug_hc3	w2a_018	2078	8202	ARCD	1	6.37	100.34	97.73	91.4		0.072	2	1
kug_hc3	w2a_018	2078	8203	ARCD	1	5.13	98.82	96.07	89.79		0.057	2	1
kug_hc3	w2a_018	2078	8204	ARCD	1	4.33	94.02	91.12	85.25		0.022	2	1
kug_hc3	w2a_018	2078	8205	ARCD	1	4.36	88.89	86.51	81.67		0.058	2	1
kug_hc3	w2a_018	2078	8206	ARCD	1	3.67	83.24	80.88	76.68		0.042	2	1
kug_hc3	w2a_018	2078	8207	ARCD	1	3.91	86.15	84.1	79.51		0.03	1	6
kug_hc3	w2a_018	2078	8208	ARCD	1	12.5	126.07	122.31	115.65		0.312	1	7
kug_hc3	w2a_018	2078	8209	ARCD	1	8.53	118.74	114.48	107.99		0.341	1	7
kug_hc3	w2a_018	2078	8210	ARCD	1	6.93	101	98.44	93.26		0.131	1	7
kug_hc3	w2a_018	2078	8211	ARCD	1	5.88	96.77	93.9	86.96		0.041	2	1
kug_hc3	w2a_018	2078	8212	ARCD	1	5.1	98.02	95.64	89.93		0.097	1	7
kug_hc3	w2a_018	2078	8213	ARCD	1	4.38	88.22	84.73	80.95		0.024	2	1
kug_hc3	w2a_018	2078	8214	ARCD	1	4.04	88.75	86.74	80.54		0.015	1	6
kug_hc3	w2a_018	2078	8215	ARCD	1	4.7	90.83	88.45	83.71		0.118	1	6
kug_hc3	w2a_018	2073	8216	ARCD	1	13.814	139.88	132.37	125.09		0.334	2	2
kug_hc3	w2a_018	2073	8217	ARCD	1	7.174	103.08	100.26	93.66		0.129	2	1
kug_hc3	w2a_018	2073	8218	ARCD	1	6.883	103.81	100.11	94.3		0.11	1	6
kug_hc3	w2a_018	2073	8219	ARCD	1	7.281	106.26	103.44	96.81		0.29	1	7
kug_hc3	w2a_018	2073	8220	ARCD	1	6.67	100.02	96.18	90.57		0.164	1	7
kug_hc3	w2a_018	2073	8221	ARCD	1	15.604	134.78	130.01	122.64		0.507	1	7
kug_hc3	w2a_018	2073	8222	ARCD	1	6.277	103.55	99.98	94.31		0.054	1	6
kug_hc3	w2a_018	2073	8223	ARCD	1	9.85	116.24	111.56	105.1		0.32	2	2
kug_hc3	w2a_018	2073	8224	ARCD	1	12.037	119.67	116.9	109.13		0.444	1	7
kug_hc3	w2a_018	2073	8225	ARCD	1	4.84	86.6	83.92	79.36		0.071	1	6
kug_hc3	w2a_018	2073	8226	ARCD	1	5.381	98.34	94.64	88.72		0.071	2	1
kug_hc3	w2a_018	2073	8227	ARCD	1	11.441	120.69	115.17	107.37		0.421	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2073	8228	ARCD	1	3.978	83	81.05	76.1		0.034	1	6
kug_hc3	w2a_018	2073	8229	ARCD	1	6.987	94.49	92.15	86.86		0.151	1	6
kug_hc3	w2a_018	2073	8230	ARCD	1	6.355	101.37	98.22	92.65		0.109	1	6
kug_hc3	w2a_018	2073	8231	ARCD	1	10.692	121.56	117.99	110.93		0.4	1	7
kug_hc3	w2a_018	2073	8232	ARCD	1	3.446	80.93	78.28	73.43		0.045	1	6
kug_hc3	w2a_018	2073	8233	ARCD	1	5.422	91.58	89.02	84.31		0.094	1	6
kug_hc3	w2a_018	2073	8234	ARCD	1	30.888	171.35	163.24	154.24		0.876	1	7
kug_hc3	w2a_018	2073	8235	ARCD	1	11.817	124.33	120.89	111.9		0.402	1	7
gry_04	w2a_023	2655	8236	ARCD	1	13.971	129.11	124.44	117.29		0.633	1	7
gry_04	w2a_023	2655	8237	ARCD	1	18.858	146.61	140.78	133.18		0.775	1	7
gry_04	w2a_023	2655	8238	ARCD	1	21.429	138.7	133.34	124.36		1.259	1	7
gry_04	w2a_023	2655	8239	ARCD	1	19.843	147.3	142.49	134.53		0.534	2	2
gry_04	w2a_023	2655	8240	ARCD	1	17.661	141.99	135.57	129.14		0.631	2	2
gry_04	w2a_023	2655	8241	ARCD	1	16.388	129.23	126.45	120.57		0.398	1	7
gry_04	w2a_023	2655	8242	ARCD	1	19.772	151.03	146.17	136.12		0.536	2	2
gry_04	w2a_023	2655	8243	ARCD	1	17.205	136.56	132.61	125.62		0.722	1	7
gry_04	w2a_023	2655	8244	ARCD	1	13.358	125.09	120.7	113.66		0.499	1	7
gry_04	w2a_023	2655	8245	ARCD	1	20.584	151.77	146.03	138.21		0.579	2	2
gry_04	w2a_023	2655	8246	ARCD	1	27.561	162.81	154.91	146.19		1.045	2	2
gry_04	w2a_023	2655	8247	ARCD	1	13.293	123.82	119.86	112.41		0.373	1	7
gry_04	w2a_023	2655	8248	ARCD	1	26.822	166.67	159.46	148.29		0.647	2	2
gry_04	w2a_023	2655	8249	ARCD	1	11.018	117.38	113.28	106		0.304	2	2
gry_04	w2a_023	2655	8250	ARCD	1	12.789	125.33	121.18	115.13		0.271	2	2
gry_04	w2a_023	2655	8251	ARCD	1	22.219	144.89	141.58	131.94		0.559	2	2
gry_04	w2a_023	2655	8252	ARCD	1	17.735	140.28	135.02	127.22		0.461	2	2
gry_04	w2a_023	2655	8253	ARCD	1	22.341	153.61	147.82	139.21		0.888	1	7
gry_04	w2a_023	2655	8254	ARCD	1	25.191	140.57	133.67	125.74		0.8	2	2
gry_04	w2a_023	2655	8255	ARCD	1	15.653	130.27	125.17	117.56		0.398	2	2
tbs_04	w2a_031	3961	8256	ARCD	1	7.336	107.75	104.57	97.57		0.086	2	1
tbs_04	w2a_031	3961	8257	ARCD	1	7.4	104.82	101.71	94.79		0.233	1	7
tbs_04	w2a_031	3961	8258	ARCD	1	9.984	115.12	111.88	104.8		0.224	2	2
tbs_04	w2a_031	3961	8259	ARCD	1	8.893	110.22	106.05	100.3		0.38	2	2
tbs_04	w2a_031	3961	8260	ARCD	1	7.473	100.79	98.19	91.41		0.243	1	7
tbs_04	w2a_031	3961	8261	ARCD	1	8.334	104.55	101.94	95.81		0.237	1	7
tbs_04	w2a_031	3961	8262	ARCD	1	9.757		112.02	104.69		0.585	1	7
tbs_04	w2a_031	3961	8263	ARCD	1	5.806	96.94	93.66	88.02		0.058	2	1
tbs_04	w2a_031	3961	8264	ARCD	1	8.327	109.08	104.57	97.72		0.548	1	7
tbs_04	w2a_031	3961	8265	ARCD	1	10.423	116.37	112	104.7		0.453	1	7
tbs_04	w2a_031	3961	8266	ARCD	1	12.457	118.49	114.53	107.73		0.365	2	2
tbs_04	w2a_031	3961	8267	ARCD	1	12.25	135.15	130.98	123.49		0.356	2	2

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031	3961	8268	ARCD	1	19.761	143.24	137.31	129.11		0.532	2	2
tbs_04	w2a_031	3961	8269	ARCD	1	10.868	120.51	115.16	109.99		0.487	1	7
tbs_04	w2a_031	3961	8270	ARCD	1	7.537	105.22	102.36	96.23		0.337	1	7
tbs_04	w2a_031	3961	8271	ARCD	1	12.144	125.33	121.88	115.22		0.657	1	7
tbs_04	w2a_031	3961	8272	ARCD	1	14.948	127.99	124.12	115.01		1.059	1	7
tbs_04	w2a_031	3961	8273	ARCD	1	10.839	115.9	111.62	104.93		0.324	2	2
tbs_04	w2a_031	3961	8274	ARCD	1	12.505	121	116.48	108.97		0.501	1	7
tbs_04	w2a_031	3961	8275	ARCD	1	7.359	108.3	103.45	97.92		0.349	1	7
dal_hc5	w2a_035	4981	8276	ARCD	1	8.783	105.81	102.02	96.48		0.284	2	2
dal_hc5	w2a_035	4981	8277	ARCD	1	18.633	140.38	134.39	126.68		0.317	2	2
dal_hc5	w2a_035	4981	8278	ARCD	1	10.384	114.95	111.46	104.06		0.485	1	7
dal_hc5	w2a_035	4981	8279	ARCD	1	30.984	175.69	167.24	161.46		0.923	2	2
dal_hc5	w2a_035	4981	8280	ARCD	1	5.809	92.42	90.39	84.41		0.212	1	7
dal_hc5	w2a_035	4981	8281	ARCD	1	14.535	131.36	124.94	118.4		0.882	1	7
dal_hc5	w2a_035	4981	8282	ARCD	1	30.962	174.36	167.97	158		0.783	2	2
dal_hc5	w2a_035	4981	8283	ARCD	1	3.946	89.73	87.49	81.32		0.06	2	1
dal_hc5	w2a_035	4981	8284	ARCD	1	13.276	131.67	125.65	118.65		0.366	2	2
dal_hc5	w2a_035	4981	8285	ARCD	1	4.922	92.14	90.14	85.57		0.021	1	6
dal_hc5	w2a_035	4981	8286	ARCD	1	9.532	121.04	117.71	110.87		0.288	2	2
dal_hc5	w2a_035	4981	8287	ARCD	1	29.189	162.59	155.71	146.42		1.677	1	7
dal_hc5	w2a_035	4981	8288	ARCD	1	6.044	100.07	96.96	91.19		0.01	1	6
dal_hc5	w2a_035	4981	8289	ARCD	1	26.826	168.89	159.54	153.16		0.822	2	2
dal_hc5	w2a_035	4981	8290	ARCD	1	8.402	107.92	104.97	97.74		0.543	1	7
dal_hc5	w2a_035	4981	8291	ARCD	1	15.6	133.41	127.11	119.63		0.849	1	7
dal_hc5	w2a_035	4981	8292	ARCD	1	13.162	129.42	124.68	117.23		0.373	2	2
dal_hc5	w2a_035	4981	8293	ARCD	1	16.118	134.53	130.5	121.61		1.523	1	7
dal_hc5	w2a_035	4981	8294	ARCD	1	20.265	150.85	144.93	135.43		0.592	2	2
dal_hc5	w2a_035	4981	8295	ARCD	1	31.216	172.7	161.26	152.2		2.15	2	2
kug_hc3	w2a_018	2079	8296	ARCD	1	8.121	109.91	105.84	98.92		0.181	1	7
kug_hc3	w2a_018	2079	8297	ARCD	1	6.45	99.15	95.36	89.73		0.041	1	6
kug_hc3	w2a_018	2079	8298	ARCD	1	11.163	125.79	122.79	114.71		0.47	1	6
kug_hc3	w2a_018	2079	8299	ARCD	1	5.81	96.67	93.03	87.36		0.053	1	6
kug_hc3	w2a_018	2079	8300	ARCD	1	14.75	132.21	127.83	119.86		0.353	2	2
kug_hc3	w2a_018	2079	8301	ARCD	1	12.22	127.56	123.3	114.55		0.184	1	7
kug_hc3	w2a_018	2079	8302	ARCD	1	9.54	112.15	107.99	101.42		0.254	2	2
kug_hc3	w2a_018	2079	8303	ARCD	1	3.88	89.68	87.37	82.13		0.062	2	1
kug_hc3	w2a_018	2079	8304	ARCD	1	5.78	95.43	91.37	86.24		0.061	2	1
kug_hc3	w2a_018	2079	8305	ARCD	1	5.4	93.99	91.42	86.64		0.101	1	7
kug_hc3	w2a_018	2079	8306	ARCD	1	5.15	93.6	89.27	86.21		0.037	1	6
kug_hc3	w2a_018	2079	8307	ARCD	1	4.95	90.93	88.31	83.04		0.077	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2079	8308	ARCD	1	6.07	94.46	92.12	85.65		0.154	1	7
kug_hc3	w2a_018	2079	8309	ARCD	1	4.29	85.81	84.63	78.97		0.02	1	6
kug_hc3	w2a_018	2079	8310	ARCD	1	3.78			78.56		0.035	2	1
kug_hc3	w2a_018	2079	8311	ARCD	1	4.6	93.32	91.66	84.56		0.036	2	1
kug_hc3	w2a_018	2079	8312	ARCD	1	11.07	117.76	114.16	107.31		0.443	1	7
kug_hc3	w2a_018	2079	8313	ARCD	1	13	119.74	116.98	108.67		0.525	1	7
kug_hc3	w2a_018	2079	8314	ARCD	1	5.4	92.36	88.48	83.58		0.09	2	1
kug_hc3	w2a_018	2079	8315	ARCD	1	6.6	93.84	91.15	84.94		0.082	1	6
kug_hc3	w2a_018	2080	8316	ARCD	1	3.78	86.03	85.43	79.91		0.029	2	1
kug_hc3	w2a_018	2080	8317	ARCD	1	7.12	99.12	96.08	89.06		0.095	1	7
kug_hc3	w2a_018	2080	8318	ARCD	1	5.02	91.27	89.33	83.2		0.057	1	6
kug_hc3	w2a_018	2080	8319	ARCD	1	5.74	97.21	95.55	88.37		0.2	1	7
kug_hc3	w2a_018	2080	8320	ARCD	1	4.68	89.34	85.71	80.59		0.015	2	1
kug_hc3	w2a_018	2080	8321	ARCD	1	10.67	110.7	108.37	102.64		0.163	1	7
kug_hc3	w2a_018	2080	8322	ARCD	1	4.3	86.62	84.53	79.19		0.024	2	1
kug_hc3	w2a_018	2080	8323	ARCD	1	9.19	112.55	108.04	101.52		0.227	2	2
kug_hc3	w2a_018	2080	8324	ARCD	1	4.45	89.36	87.39	81.78		0.017	1	6
kug_hc3	w2a_018	2080	8325	ARCD	1	11.27	124.43	120.04	112.26		0.308	2	2
kug_hc3	w2a_018	2080	8326	ARCD	1	3.08	79.52	78.1	73.47		0.031	1	6
kug_hc3	w2a_018	2080	8327	ARCD	1	14.39	131.33	126.71	119.52		0.364	2	2
kug_hc3	w2a_018	2080	8328	ARCD	1	13.28	129.18	125.39	117.56		0.244	2	2
kug_hc3	w2a_018	2080	8329	ARCD	1	11.42	127.87		115.04		0.509	1	7
kug_hc3	w2a_018	2080	8330	ARCD	1	8.36	112.16	109.66	101.65		0.302	1	7
kug_hc3	w2a_018	2080	8331	ARCD	1	5.91	100.67	97.01	92.9		0.124	2	2
kug_hc3	w2a_018	2080	8332	ARCD	1	4.09	89.11	85.08	80.98		0.037	2	1
kug_hc3	w2a_018	2080	8333	ARCD	1	5.33	94.42	91.76	85.46		0.072	2	1
kug_hc3	w2a_018	2080	8334	ARCD	1	3.62	83.64		77.33		0.021	2	1
kug_hc3	w2a_018	2080	8335	ARCD	1	3.44		82.05	77		0.014	1	6
kug_hc3	w2a_018	2082	8336	ARCD	1	1.021	56.01	53.7	50.71		0.001	0	Unknown
kug_hc3	w2a_018	2082	8337	ARCD	1	5.596	94.03	90.63	85.6		0.089	1	6
kug_hc3	w2a_018	2082	8338	ARCD	1	4.792	89.39	86.7	80.97		0.037	2	1
kug_hc3	w2a_018	2082	8339	ARCD	1	9.457	110.99	107.42	101.18		0.257	1	7
kug_hc3	w2a_018	2082	8340	ARCD	1	4.426	85.61	83.21	77.87		0.075	1	6
kug_hc3	w2a_018	2082	8341	ARCD	1	5.286	92.1	89.34	84.31		0.104	1	7
kug_hc3	w2a_018	2082	8342	ARCD	1	5.358	87.72	84.71	79.55		0.106	1	7
kug_hc3	w2a_018	2082	8343	ARCD	1	15.469	125.29	119.69	113.12		0.498	1	7
kug_hc3	w2a_018	2082	8344	ARCD	1	15.515	138.37	131.8	123.57		0.438	2	2
kug_hc3	w2a_018	2082	8345	ARCD	1	9.033	104.6	100.5	93.7		0.179	1	7
kug_hc3	w2a_018	2082	8346	ARCD	1	5.753	93.8	90.82	85.2		0.069	1	6
kug_hc3	w2a_018	2082	8347	ARCD	1	10.208	116.2	112.11	104.95		0.34	1	7

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kug_hc3	w2a_018	2082	8348	ARCD	1	8.142	107.56	103.7	97.35		0.087	2	1
kug_hc3	w2a_018	2082	8349	ARCD	1	4.454	87.92	85.53	80.46		0.037	2	1
kug_hc3	w2a_018	2082	8350	ARCD	1	7.424	101.84	99.89	93.05		0.078	1	6
kug_hc3	w2a_018	2082	8351	ARCD	1	4.824	90.52	88.59	82.89		0.051	2	1
kug_hc3	w2a_018	2082	8352	ARCD	1	6.216	92.12	89.21	83.55		0.171	1	6
kug_hc3	w2a_018	2082	8353	ARCD	1	4.469	92.12	89.24	82.44		0.083	1	6
kug_hc3	w2a_018	2082	8354	ARCD	1	3.101	83.86	81.94	77.01		0.06	2	1
kug_hc3	w2a_018	2082	8355	ARCD	1	10.842	114.89	111.28	104		0.163	1	7
kug_hc3	w2a_018	2083	8356	ARCD	1	17.473	140.21	134.22	124.55		0.834	1	7
kug_hc3	w2a_018	2083	8357	ARCD	1	10.96	127.54	122.41	114.69		0.187	1	7
kug_hc3	w2a_018	2083	8358	ARCD	1	11.427	124.78	120.23	110.92		0.158	2	2
kug_hc3	w2a_018	2083	8359	ARCD	1	8.43	110.05	105.54	98.79		0.13	1	6
kug_hc3	w2a_018	2083	8360	ARCD	1	8.13	107.41	105.03	98.73		0.17	2	1
kug_hc3	w2a_018	2083	8361	ARCD	1	7.2	105.27	101.6	95.77		0.26	1	7
kug_hc3	w2a_018	2083	8362	ARCD	1	6.07	101.02	95.12	90.53		0.124	1	6
kug_hc3	w2a_018	2083	8363	ARCD	1	4.77	91.5	88.53	82.93		0.082	1	6
kug_hc3	w2a_018	2083	8364	ARCD	1	5.89	97.09	95.11	87.99		0.063	1	6
kug_hc3	w2a_018	2083	8365	ARCD	1	4.86	94.77	92.17	86.88		0.048	1	6
kug_hc3	w2a_018	2083	8366	ARCD	1	5.51	98.53	95.66	89.78		0.122	1	6
kug_hc3	w2a_018	2083	8367	ARCD	1	3.83	85.34	82.09	76.69		0.03	1	6
kug_hc3	w2a_018	2083	8368	ARCD	1	10.955	122.79	117.9	110.52		0.271	2	2
kug_hc3	w2a_018	2083	8369	ARCD	1	10.824	119.43	115.25	108.7		0.362	1	7
kug_hc3	w2a_018	2083	8370	ARCD	1	8.82	107.93	104.7	98.65		0.341	1	7
kug_hc3	w2a_018	2083	8371	ARCD	1	7.583	106.16	102.35	97.54		0.037	1	6
kug_hc3	w2a_018	2083	8372	ARCD	1	6.414	99.22	96.77	91.16		0.032	1	6
kug_hc3	w2a_018	2083	8373	ARCD	1	3.134	79.67	75.53	71.36		0.036	2	1
kug_hc3	w2a_018	2083	8374	ARCD	1	4.798	89.39	84.55	80.66		0.039	2	1
kug_hc3	w2a_018	2083	8375	ARCD	1	3.985	82.67	80.06	75.44		0.075	1	6
kug_hc3	w2a_018	2084	8376	ARCD	1	19.084	147.94	141.55	133.5		0.494	2	2
kug_hc3	w2a_018	2084	8377	ARCD	1	17.251	139.62	135.45	126.83		0.755	1	7
kug_hc3	w2a_018	2084	8378	ARCD	1	14.397	132.19	126.87	119.35		0.454	1	7
kug_hc3	w2a_018	2084	8379	ARCD	1	14.629	137.81	132.03	124.06		0.383	2	2
kug_hc3	w2a_018	2084	8380	ARCD	1	12.167	123.71	119.18	113.54		0.811	1	7
kug_hc3	w2a_018	2084	8381	ARCD	1	12.823	123.22	120.01	114.7		0.458	1	7
kug_hc3	w2a_018	2084	8382	ARCD	1	10.184	123.21	117.21	110.64		0.246	2	2
kug_hc3	w2a_018	2084	8383	ARCD	1	8.61	104.74	100.32	94.35		0.175	1	7
kug_hc3	w2a_018	2084	8384	ARCD	1	8.323	108.87	105.26	98.39		0.233	2	2
kug_hc3	w2a_018	2084	8385	ARCD	1	4.548	91.28	88.63	83.88		0.145	1	6
kug_hc3	w2a_018	2084	8386	ARCD	1	4.675	89.67	86.61	81.62		0.057	1	6
kug_hc3	w2a_018	2084	8387	ARCD	1	4.366	89.77	86.35	80.92		0.048	2	1

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kug_hc3	w2a_018	2084	8388	ARCD	1	16.325	137.89	131.4	125.02		0.873	1	7
kug_hc3	w2a_018	2084	8389	ARCD	1	13.618	118.17	113.79	106.48		0.422	1	7
kug_hc3	w2a_018	2084	8390	ARCD	1	12.384	122.3	117.49	110.39		0.266	2	2
kug_hc3	w2a_018	2084	8391	ARCD	1	7.587	103.72	100.42	93.18		0.223	1	7
kug_hc3	w2a_018	2084	8392	ARCD	1	7.012	112.74	108.37	102.81		0.168	2	2
kug_hc3	w2a_018	2084	8393	ARCD	1	6.564	102.28	98.09	92.91		0.032	1	6
kug_hc3	w2a_018	2084	8394	ARCD	1	4.794	87.94	85.29	79.88		0.045	2	1
kug_hc3	w2a_018	2084	8395	ARCD	1	4.804	90.37	87.52	82.06		0.006	1	6
kug_hc3	w2a_018	2085	8396	ARCD	1	4.76	88.44	85.76	80.61		0.081	1	6
kug_hc3	w2a_018	2085	8397	ARCD	1	4.23	85.65	83.68	78.56		0.039	1	6
kug_hc3	w2a_018	2085	8398	ARCD	1	4.16	91.49	87.92	83.52		0.051	2	1
kug_hc3	w2a_018	2085	8399	ARCD	1	6.097	99.42	95.66	89.66		0.048	2	1
kug_hc3	w2a_018	2085	8400	ARCD	1	7.39	103.98	99.15	93.89		0.102	2	1
kug_hc3	w2a_018	2085	8401	ARCD	1	7.58	107.52	103.89	96.84		0.153	1	7
kug_hc3	w2a_018	2085	8402	ARCD	1	7.96	110.21	106.6	99.39		0.097	2	1
kug_hc3	w2a_018	2085	8403	ARCD	1	4.42	93.13	89.41	83.93		0.047	1	6
kug_hc3	w2a_018	2085	8404	ARCD	1	4.28	87.88	84.95	79.35		0.007	0	Unknown
kug_hc3	w2a_018	2085	8405	ARCD	1	4.641	93.91	90.58	85.66		0.046	2	1
kug_hc3	w2a_018	2085	8406	ARCD	1	9.571	111.6	108.36	101.56		0.175	1	7
kug_hc3	w2a_018	2085	8407	ARCD	1	2.511	77.96	75.86	71.18		0.001	0	Unknown
kug_hc3	w2a_018	2085	8408	ARCD	1	3.2	79.51	76.52	71.05		0.029	2	1
kug_hc3	w2a_018	2085	8409	ARCD	1	3.82	87.88	85.06	79.59		0.015	1	6
kug_hc3	w2a_018	2085	8410	ARCD	1	3.65	84.9	81.93	77.45		0.034	1	7
kug_hc3	w2a_018	2085	8411	ARCD	1	4.2	89.06	86.31	81.01		0.042	1	7
kug_hc3	w2a_018	2085	8412	ARCD	1	2.84	77.43	75.65	71.03		0.044	1	7
kug_hc3	w2a_018	2085	8413	ARCD	1	5.503	98.86	94.67	88.75		0.116	1	7
kug_hc3	w2a_018	2085	8414	ARCD	1	6.69	102.85	98.99	92.8		0.095	1	7
kug_hc3	w2a_018	2085	8415	ARCD	1	6.819	103.76	99.81	93.52		0.123	2	1
gry_hc2	w2a_027	3264	8416	ARCD	1	6.92	99.53	95.89	89.83	0.368	0.198	1	6
gry_hc2	w2a_027	3264	8417	ARCD	1	5.12	90.09	85.73	80.79	0.2483	0.098	1	7
gry_hc2	w2a_027	3264	8418	ARCD	1	8.47	107.88	105.39	98.69	0.4355	0.1334	1	7
gry_hc2	w2a_027	3264	8419	ARCD	1	4.89	95.12	91.21	84.82	0.1523	0.1	1	6
gry_hc2	w2a_027	3264	8420	ARCD	1	9.22	112.55	107.14	100.7	0.398	0.498	1	7
gry_hc2	w2a_027	3264	8421	ARCD	1	4.63	90.4	86.57	80.13	0.0884	0.0436	1	6
gry_hc2	w2a_027	3264	8422	ARCD	1	4.91	94.65	91.29	84.09	0.268	0.0455	1	6
gry_hc2	w2a_027	3264	8423	ARCD	1	3.55	77.9	74.44	69.95	0.1224	0.0707	1	7
gry_hc2	w2a_027	3264	8424	ARCD	1	10.68	116.6	112.06	104.54	0.5185	0.2888	2	1
gry_hc2	w2a_027	3264	8425	ARCD	1	6.46	101.77	98.54	91.89	0.2377	0.8824	1	6
gry_hc2	w2a_027	3264	8426	ARCD	1	7.49	100	96.62	90.29	0.3657	0.0483	1	6
gry_hc2	w2a_027	3264	8427	ARCD	1	7.52	103.35	100.57	94.9	0.2588	0.0665	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3264	8428	ARCD	1	11.46	118.33	113.54	106.27	0.6085	0.2888	2	2
gry_hc2	w2a_027	3264	8429	ARCD	1	6.34	96.14	92.88	86.57	0.2081	0.1631	1	6
gry_hc2	w2a_027	3264	8430	ARCD	1	4.99	95.26	92.22	86.98	0.2024	0.0201	1	6
gry_hc2	w2a_027	3264	8431	ARCD	1	11.16	121.51	117.37	109.96	0.409	0.3986	1	7
gry_hc2	w2a_027	3264	8432	ARCD	1	4.55	88.53	85.23	79.33	0.148	0.0484	1	6
gry_hc2	w2a_027	3264	8433	ARCD	1	4.56	87.43	85.87	79.67	0.208	0.0286	2	1
gry_hc2	w2a_027	3264	8434	ARCD	1	3.33	78.59	75.77	70.72	0.1489	0.0523	1	6
gry_hc2	w2a_027	3264	8435	ARCD	1	8.67	109.65	106.06	99.71	0.4746	0.1888	2	1
kug_hc3	w2a_018	2086	8436	ARCD	1	4.861	89.1	86.37	80.5		0.022	1	6
kug_hc3	w2a_018	2086	8437	ARCD	1	4.09	82.46	80.78	75.5		0.025	1	6
kug_hc3	w2a_018	2086	8438	ARCD	1	6.131	96.36	94.32	88.17		0.041	1	6
kug_hc3	w2a_018	2086	8439	ARCD	1	5.211	92.4	88.97	83.53		0.085	2	1
kug_hc3	w2a_018	2086	8440	ARCD	1	6.46	105.42	100.23	97.74		0.083	2	1
kug_hc3	w2a_018	2086	8441	ARCD	1	12.11	124.78	118.95	111.14		0.29	2	2
kug_hc3	w2a_018	2086	8442	ARCD	1	7.98	102.44	98.96	93.13		0.146	1	7
kug_hc3	w2a_018	2086	8443	ARCD	1	11.345	128.81	124.9	117.27		0.263	1	7
kug_hc3	w2a_018	2086	8444	ARCD	1	4.93	91.49	88.98	83.85		0.097	1	7
kug_hc3	w2a_018	2086	8445	ARCD	1	4.02	85.49	82.53	77.59		0.052	1	
kug_hc3	w2a_018	2086	8446	ARCD	1	6.9	102.8	98.91	93.02		0.061	2	1
kug_hc3	w2a_018	2086	8447	ARCD	1	13.87	129.92	123.84	115.49		0.777	1	7
kug_hc3	w2a_018	2086	8448	ARCD	1	5.517	90.32	87.31	82.25		0.08	1	7
kug_hc3	w2a_018	2086	8449	ARCD	1	7.254	103.81	100.27	94.68		0.085	1	6
kug_hc3	w2a_018	2086	8450	ARCD	1	6.212	96	94.65	88.78		0.006	1	6
kug_hc3	w2a_018	2086	8451	ARCD	1	6.692	103.08	98.88	93.1		0.07	2	1
kug_hc3	w2a_018	2086	8452	ARCD	1	6.567	97.92	93.92	88.25		0.056	1	6
kug_hc3	w2a_018	2086	8453	ARCD	1	8.565	108.61	106.8	100		0.146	1	7
kug_hc3	w2a_018	2086	8454	ARCD	1	12.651	125.98	121.94	115.13		0.32	2	2
kug_hc3	w2a_019	2109	8455	ARCD	1	17.76	147.17	141.85	133.73		0.463	2	2
kug_hc3	w2a_018	2087	8456	ARCD	1	6.436	99.03	97.42	90.45		0.124	1	7
kug_hc3	w2a_018	2087	8457	ARCD	1	4.215	85.01	82.2	77.46		0.045	2	1
kug_hc3	w2a_018	2087	8458	ARCD	1	5.765	94.41	90.85	85.36		0.1	1	7
kug_hc3	w2a_018	2087	8459	ARCD	1	7.011	95.82	92.74	86.71		0.17	1	7
kug_hc3	w2a_018	2087	8460	ARCD	1	6.812	96.3	93.85	87.13		0.027	1	6
kug_hc3	w2a_018	2087	8461	ARCD	1	9.804	117.59	111.6	105.74		0.156	2	2
kug_hc3	w2a_018	2087	8462	ARCD	1	8.735	109.81	105.87	98.35		0.182	1	6
kug_hc3	w2a_018	2087	8463	ARCD	1	14.822	131.47	127.78	120.23		0.511	1	7
kug_hc3	w2a_018	2087	8464	ARCD	1	6.627	106.86	103.14	95.97		0.1	2	1
kug_hc3	w2a_018	2087	8465	ARCD	1	15.91	132.62	126.54	119.1		0.302	1	7
kug_hc3	w2a_018	2087	8466	ARCD	1	4.706	87.81	84.69	79.83		0.058	1	6
kug_hc3	w2a_018	2087	8467	ARCD	1	14.513	127.2	121.59	112.66		0.37	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2087	8468	ARCD	1	2.64	78.05	75.8	70.81		0.022	1	6
kug_hc3	w2a_018	2087	8469	ARCD	1	4.851	90.78	87.36	81.06		0.031	1	6
kug_hc3	w2a_018	2087	8470	ARCD	1	5.113	97.7	96.12	89.99		0.082	1	6
kug_hc3	w2a_018	2087	8471	ARCD	1	6.848	104.96	100.98	95.26		0.113	1	7
kug_hc3	w2a_018	2087	8472	ARCD	1	6.907	102.52	99.69	93.59		0.126	1	7
kug_hc3	w2a_018	2087	8473	ARCD	1	7.051	108.51	105.44	99		0.113	2	1
kug_hc3	w2a_018	2087	8474	ARCD	1	12.002	122.59	118.02	110		0.28	2	2
kug_hc3	w2a_018	2087	8475	ARCD	1	14.233	132.61	127.81	119.64		0.354	2	2
kug_hc3	w2a_018	2088	8476	ARCD	1	3.433	82.66	77.39	73.79		0.016	0	Unknown
kug_hc3	w2a_018	2088	8477	ARCD	1	5.128	93.27	89.22	83.78		0.022	0	Unknown
kug_hc3	w2a_018	2088	8478	ARCD	1	5.009	93.14	89.72	84.97		0.088	1	6
kug_hc3	w2a_018	2088	8479	ARCD	1	5.692	96.97	93.59	87.31		0.06	2	1
kug_hc3	w2a_018	2088	8480	ARCD	1	5.121	92.13	89.11	85.67		0.0134	1	7
kug_hc3	w2a_018	2088	8481	ARCD	1	6.242	97.72	94.1	89.21		0.021	0	Unknown
kug_hc3	w2a_018	2088	8482	ARCD	1	5.885	95.84	93.45	86.06		0.081	1	6
kug_hc3	w2a_018	2088	8483	ARCD	1	4.902	93.21	90.22	85.27		0.065	2	2
kug_hc3	w2a_018	2088	8484	ARCD	1	5.026	91.05	87.78	84.79		0.027	2	1
kug_hc3	w2a_018	2088	8485	ARCD	1	5.806	95.92	91.16	86.61		0.067	2	2
kug_hc3	w2a_018	2088	8486	ARCD	1	8.334	105.4	101.17	94.37		0.101	2	2
kug_hc3	w2a_018	2088	8487	ARCD	1	16.363	144.11	137.02	130.56		0.373	1	7
kug_hc3	w2a_018	2088	8488	ARCD	1	2.828	79.36	74.66	71.52		0.062	1	6
kug_hc3	w2a_018	2088	8489	ARCD	1	4.793	90.55	87.76	82.46		0.071	1	7
kug_hc3	w2a_018	2088	8490	ARCD	1	4.775	91.63	87.06	82.75		0.079	1	7
kug_hc3	w2a_018	2088	8491	ARCD	1	5.311	91.72	88.96	84.07		0.052	2	2
kug_hc3	w2a_018	2088	8492	ARCD	1	6.432	99.75	95.75	90.4		0.092	2	2
kug_hc3	w2a_018	2088	8493	ARCD	1	5.339	95.1	91.47	87.79		0.074	1	7
kug_hc3	w2a_018	2088	8494	ARCD	1	7.933	111.55	107.77	102.35		0.271	1	7
kug_hc3	w2a_018	2088	8495	ARCD	1	14.543	123.33	119.52	114.51		0.635	1	7
kug_hc3	w2a_018	2089	8496	ARCD	1	3.97	88.1	84.32	78.42		0.042	2	1
kug_hc3	w2a_018	2089	8497	ARCD	1	13.54	125.14	121.55	112.74		0.624	1	7
kug_hc3	w2a_018	2089	8498	ARCD	1	19.16	141.03	136.43	128.62		0.854	1	7
kug_hc3	w2a_018	2089	8499	ARCD	1	11.48	124.57	120.35	111.94		0.293	2	2
kug_hc3	w2a_018	2089	8500	ARCD	1	4.4	92.32	88.76	83.52		0.062	1	7
kug_hc3	w2a_018	2089	8501	ARCD	1	5.69	98.47	94.76	89.43		0.109	1	7
kug_hc3	w2a_018	2089	8502	ARCD	1	7.22	99.1	96.42	91.27		0.113	1	7
kug_hc3	w2a_018	2089	8503	ARCD	1	6.53	94.03	91.21	85.36		0.026	1	6
kug_hc3	w2a_018	2089	8504	ARCD	1	5.39	93.2	90.15	83.94		0.164	1	7
kug_hc3	w2a_018	2089	8505	ARCD	1	8.14	104.76	100.28	92.96		0.157	1	7
kug_hc3	w2a_018	2089	8506	ARCD	1	8.51	114.16	110.44	103.16		0.213	2	2
kug_hc3	w2a_018	2089	8507	ARCD	1	3.36	82.08	79.05	74.04		0.043	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2089	8508	ARCD	1	13.38	127.93	124.31	115.55		0.345	1	7
kug_hc3	w2a_018	2089	8509	ARCD	1	7.23	102	97.8	92.06		0.086	2	1
kug_hc3	w2a_018	2089	8510	ARCD	1	6.06	96.92	95.11	88.86		0.157	1	7
kug_hc3	w2a_018	2089	8511	ARCD	1	4.23	86.78	84.78	79.48		0.122	1	7
kug_hc3	w2a_018	2089	8512	ARCD	1	4.54	92.05	89.18	84.31		0.006	1	7
kug_hc3	w2a_018	2089	8513	ARCD	1	5.5	98	94.61	88.62		0.154	1	7
kug_hc3	w2a_018	2089	8514	ARCD	1	4.48	89.44	86.07	81.92		0.094	1	7
kug_hc3	w2a_018	2089	8515	ARCD	1	3.54	82.36	80.38	75.22		0.02	1	6
kug_hc3	w2a_018	2090	8516	ARCD	1	13.78	128.96	123.72	114.94		0.346	2	2
kug_hc3	w2a_018	2090	8517	ARCD	1	15.88	134.66	128.57	120.82		0.339	2	2
kug_hc3	w2a_018	2090	8518	ARCD	1	7.885	104.1	100.62	94.28		0.38	1	7
kug_hc3	w2a_018	2090	8519	ARCD	1	9.446	112.21	108.5	102.95		0.27	1	7
kug_hc3	w2a_018	2090	8520	ARCD	1	5.559	97.84	94.81	89.42		0.067	2	1
kug_hc3	w2a_018	2090	8521	ARCD	1	7.258	110.37	107.83	100.8		0.17	1	7
kug_hc3	w2a_018	2090	8522	ARCD	1	6.435	98.14	95.22	89.73		0.18	1	7
kug_hc3	w2a_018	2090	8523	ARCD	1	6.858	101.59	98.19	93.15		0.123	1	7
kug_hc3	w2a_018	2090	8524	ARCD	1	5.638	96.56	92.53	87.6		0.103	2	1
kug_hc3	w2a_018	2090	8525	ARCD	1	6.508	99.58	96.7	90.88		0.087	2	1
kug_hc3	w2a_018	2090	8526	ARCD	1	3.881	88.85	85.67	80.48		0.048	2	1
kug_hc3	w2a_018	2090	8527	ARCD	1	3.174	79.13	76.99	72.89		0.024	2	1
kug_hc3	w2a_018	2090	8528	ARCD	1	11.766	116.04	112.72	105.82		0.47	1	7
kug_hc3	w2a_018	2090	8529	ARCD	1	7.509	106.27	102.16	96.52		0.106	2	1
kug_hc3	w2a_018	2090	8530	ARCD	1	5.652	97.63	94.72	89.49		0.102	1	7
kug_hc3	w2a_018	2090	8531	ARCD	1	8.887	103.88	99.94	94.35		0.212	1	7
kug_hc3	w2a_018	2090	8532	ARCD	1	8.698	112.88	109.7	102.86		0.11	2	1
kug_hc3	w2a_018	2090	8533	ARCD	1	5.259	92.32	88.87	82.88		0.052	1	6
kug_hc3	w2a_018	2090	8534	ARCD	1	4.27	86	83.85	78.98		0.059	2	1
kug_hc3	w2a_018	2090	8535	ARCD	1	3.764	82.99	81.11	75.72		0.045	2	1
kug_hc3	w2a_018	2091	8536	ARCD	1	13.535	123.4	118.55	111.63		0.464	1	7
kug_hc3	w2a_018	2091	8537	ARCD	1	10.517	115.38	111.82	102.22		0.225	2	2
kug_hc3	w2a_018	2091	8538	ARCD	1	6.829	103.34	99.07	93.4		0.126	1	7
kug_hc3	w2a_018	2091	8539	ARCD	1	6.596	105.45	101.56	94.39		0.091	2	2
kug_hc3	w2a_018	2091	8540	ARCD	1	6.124	100.89	96.94	90.47		0.073	2	2
kug_hc3	w2a_018	2091	8541	ARCD	1	4.805	86.69	86.45	80.68		0.1	1	7
kug_hc3	w2a_018	2091	8542	ARCD	1	4.441	89.88	85.6	82.3		0.012	0	Unknown
kug_hc3	w2a_018	2091	8543	ARCD	1	4.253	88.14	85.34	81.22		0.058	2	2
kug_hc3	w2a_018	2091	8544	ARCD	1	4.646	87.23	84.23	77.9		0.079	1	7
kug_hc3	w2a_018	2091	8545	ARCD	1	4.056	85.52	82.54	77.3		0.066	2	1
kug_hc3	w2a_018	2091	8546	ARCD	1	4.415	88.51	85.42	79.9		0.063	1	6
kug_hc3	w2a_018	2091	8547	ARCD	1	2.899	81.04	78.01	73.92		0.029	0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2091	8548	ARCD	1	10.889	120.06	113.91	107.05		0.288	2	2
kug_hc3	w2a_018	2091	8549	ARCD	1	12.369	128.49	120.31	113.71		0.313	1	7
kug_hc3	w2a_018	2091	8550	ARCD	1	10.131	119	114.92	108.25		0.346	1	7
kug_hc3	w2a_018	2091	8551	ARCD	1	6.939	99.38	96.92	91.43		0.08	2	2
kug_hc3	w2a_018	2091	8552	ARCD	1	6.635	102.21	97.27	92.18		0.122	2	2
kug_hc3	w2a_018	2091	8553	ARCD	1	5.89	96.07	92.75	87.92		0.062	1	7
kug_hc3	w2a_018	2091	8554	ARCD	1	5.482	96.2	92.53	87.17		0.02	0	Unknown
kug_hc3	w2a_018	2091	8555	ARCD	1	5.439	95.8	92.07	86.2		0.055	1	7
kug_hc3	w2a_018	2091	8556	ARCD	1	6.04	96.92	94.15	86.95		0.098	1	7
kug_hc3	w2a_018	2091	8557	ARCD	1	5.616	97.19	94.11	90.9		0.074	2	2
kug_hc3	w2a_018	2091	8558	ARCD	1	3.821	81.97	79.56	74.84		0.04	2	1
kug_hc3	w2a_018	2091	8559	ARCD	1	2.028	71.93	70.07	65.88		0.014	2	1
kug_hc3	w2a_018	2091	8560	ARCD	1	3.435	77.87	76.35	73.23		0.014	0	Unknown
kug_hc3	w2a_018	2091	8561	ARCD	1	3.749	82.58	79.33	73.7		0.043	2	1
kug_hc3	w2a_019	2109	8562	ARCD	1	14.463	128.52	123.28	115.71		0.575	1	7
kug_hc3	w2a_019	2109	8563	ARCD	1	11.219	117.57	112.8	107.95		0.656	1	7
kug_hc3	w2a_019	2109	8564	ARCD	1	13.377	134.14	129.72	121.95		0.345	2	2
kug_hc3	w2a_019	2109	8565	ARCD	1	8.242	103.77	99.89	94.38		0.239	1	7
kug_hc3	w2a_019	2109	8566	ARCD	1	8.246	103.2	99.83	94.23		0.003	1	6
kug_hc3	w2a_019	2109	8567	ARCD	1	4.479	90.06	87.85	82.55		0.088	1	6
kug_hc3	w2a_019	2109	8568	ARCD	1	6.722	104.29	100.77	95.1		0.152	1	7
kug_hc3	w2a_019	2109	8569	ARCD	1	5.465	96.77	93.83	88.64		0.101	1	6
kug_hc3	w2a_019	2109	8570	ARCD	1	7.025	100.89	98.07	92.89		0.057	1	6
kug_hc3	w2a_019	2109	8571	ARCD	1	5.849	99.51	96.27	91.04		0.112	1	6
kug_hc3	w2a_019	2109	8572	ARCD	1	4.516	91.11	89.31	83.8		0.062	2	1
kug_hc3	w2a_019	2109	8573	ARCD	1	4.275	89.95	87.12	82.09		0.04	2	1
kug_hc3	w2a_019	2109	8574	ARCD	1	12.873	129.23	124.1	117.7		0.747	1	7
kug_hc3	w2a_019	2109	8575	ARCD	1	10.992	121.69	117.32	109.61		0.304	1	7
kug_hc3	w2a_019	2109	8576	ARCD	1	11.687	120.26	117.52	109.17		0.251	2	2
kug_hc3	w2a_019	2109	8577	ARCD	1	9.082	115.18	111.52	105.17		0.244	2	2
kug_hc3	w2a_019	2109	8578	ARCD	1	6.033	98.59	95.73	91.12		0.205	1	7
kug_hc3	w2a_019	2109	8579	ARCD	1	6.381	97.99	96.36	89.66		0.221	1	7
kug_hc3	w2a_019	2109	8580	ARCD	1	8.235	111.67	108.52	100.79		0.215	1	7
kug_hc3	w2a_019	2109	8581	ARCD	1	5.173	92.55	90.07	85.08		0.137	1	7
kug_hc3	w2a_019	2111	8582	ARCD	1	19.739	136.46	132.77	125.28		0.978	1	7
kug_hc3	w2a_019	2111	8583	ARCD	1	15.411	129.33	124.72	116.63		0.579	1	7
kug_hc3	w2a_019	2111	8584	ARCD	1	14.536	126.98	122.82	115.69		0.37	1	7
kug_hc3	w2a_019	2111	8585	ARCD	1	11.679	123.94	118.66	111.51		0.275	2	2
kug_hc3	w2a_019	2111	8586	ARCD	1	7.833	108.92	105.02	99.2		0.104	2	1
kug_hc3	w2a_019	2111	8587	ARCD	1	8.275	107.39	103.04	97.55		0.29	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2111	8588	ARCD	1	6.597	98.48	94.19	89.11		0.115	2	1
kug_hc3	w2a_019	2111	8589	ARCD	1	6.942	103.47	99.92	94.9		0.126	2	1
kug_hc3	w2a_019	2111	8590	ARCD	1	7.176	107.01	103.6	97.96		0.093	1	7
kug_hc3	w2a_019	2111	8591	ARCD	1	4.788	91.18	88.86	83.61		0.087	1	6
kug_hc3	w2a_019	2111	8592	ARCD	1	5.072	90.16	87.05	82.1		0.061	2	1
kug_hc3	w2a_019	2111	8593	ARCD	1	3.957	80.48	78.23	73.59		0.028	1	6
kug_hc3	w2a_019	2111	8594	ARCD	1	17.29	132.08	125.11	118.22		1.061	1	7
kug_hc3	w2a_019	2111	8595	ARCD	1	11.697	112.32	108.55	102.7		0.446	1	7
kug_hc3	w2a_019	2111	8596	ARCD	1	7.963	110.89	108.43	101.9		0.229	2	2
kug_hc3	w2a_019	2111	8597	ARCD	1	6.067	96.84	94.22	88.53		0.1	2	1
kug_hc3	w2a_019	2111	8598	ARCD	1	4.886	88.43	85.42	80.34		0.084	1	6
kug_hc3	w2a_019	2111	8599	ARCD	1	4.822	89.34	86.04	80.39		0.061	2	1
kug_hc3	w2a_019	2111	8600	ARCD	1	5.461	93.11	90.3	85.3		0.183	1	7
kug_hc3	w2a_019	2111	8601	ARCD	1	3.779	84.18	80.96	76.64		0.062	1	6
kug_hc3	w2a_019	2112	8602	ARCD	1	5.36	92.95	89.68	84.31		0.105	2	1
kug_hc3	w2a_019	2112	8603	ARCD	1	4.51	91.7	89.64	84.34		0.046	1	6
kug_hc3	w2a_019	2112	8604	ARCD	1	13.24	129.42	123.63	117.02		0.341	2	2
kug_hc3	w2a_019	2112	8605	ARCD	1	11.71	124.33	118.66	111.28		0.227	2	1
kug_hc3	w2a_019	2112	8606	ARCD	1	7.22	105.56	100.85	95.38		0.318	1	7
kug_hc3	w2a_019	2112	8607	ARCD	1	7.1	99.9	94.67	90.86		0.129	1	6
kug_hc3	w2a_019	2112	8608	ARCD	1	11.71	125.13	121.55	113.65		0.331	2	2
kug_hc3	w2a_019	2112	8609	ARCD	1	5.48	91.28	89.53	83.37		0.095	2	1
kug_hc3	w2a_019	2112	8610	ARCD	1	2.93	81.33	79.33	73.83		0.025	1	6
kug_hc3	w2a_019	2112	8611	ARCD	1	2.57	72.15	70.27	65.55		0.028	2	1
kug_hc3	w2a_019	2112	8612	ARCD	1	6.69	103.67	100.89	95.19		0.35	1	7
kug_hc3	w2a_019	2112	8613	ARCD	1	4.71	91.01	88.87	83.02		0.027	1	6
kug_hc3	w2a_019	2112	8614	ARCD	1	10.64	120.42	116.52	109.23		0.241	2	1
kug_hc3	w2a_019	2112	8615	ARCD	1	3.49	84.26	81.29	76.43		0.036	2	1
kug_hc3	w2a_019	2112	8616	ARCD	1	4.92	98.02	94.48	88.61		0.046	2	1
kug_hc3	w2a_019	2112	8617	ARCD	1	6.49	96.2	93.83	88.31		0.095	1	6
kug_hc3	w2a_019	2112	8618	ARCD	1	6.49	101.2	95.68	91.09		0.071	2	1
kug_hc3	w2a_019	2112	8619	ARCD	1	9.25	107.88	103.82	98.02		0.282	1	7
kug_hc3	w2a_019	2112	8620	ARCD	1	4.54	91.11	89.16	83.65		0.101	1	6
kug_hc3	w2a_019	2112	8621	ARCD	1	2.46	74.44	71.89	67.74		0.01	1	6
kug_hc3	w2a_019	2114	8622	ARCD	1	2.825	76.28	71.13	67.5		0.03	1	6
kug_hc3	w2a_019	2114	8623	ARCD	1	3.991	82.92	79.76	75.35		0.048	2	1
kug_hc3	w2a_019	2114	8624	ARCD	1	3.831	87.44	83.65	80.34		0.033	2	1
kug_hc3	w2a_019	2114	8625	ARCD	1	4.734	87.39	84.35	79.12		0.035	2	1
kug_hc3	w2a_019	2114	8626	ARCD	1	4.828	91.33	88.73	83.47		0.117	1	6
kug_hc3	w2a_019	2114	8627	ARCD	1	4.669	89.75	86.76	80.59		0.036	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2114	8628	ARCD	1	9.283	111.99	108.22	102.19		0.143	1	7
kug_hc3	w2a_019	2114	8629	ARCD	1	7.754	100.33	96.62	90.96		0.194	1	7
kug_hc3	w2a_019	2114	8630	ARCD	1	8.396	104.51	100.69	94		0.13	2	1
kug_hc3	w2a_019	2114	8631	ARCD	1	12.9	132.27	128.98	122.47		0.285	2	2
kug_hc3	w2a_019	2114	8632	ARCD	1	14.332	131.76	127.72	120.2		0.476	2	2
kug_hc3	w2a_019	2114	8633	ARCD	1	15.546	132.75	129.76	122.78		0.349	2	2
kug_hc3	w2a_019	2114	8634	ARCD	1	3.251	82.15	77.09	72.71		0.041	2	1
kug_hc3	w2a_019	2114	8635	ARCD	1	3.443	84.77	79.04	76.11		0.045	2	1
kug_hc3	w2a_019	2114	8636	ARCD	1	5.077	93.65	90.86	85.54		0.063	2	1
kug_hc3	w2a_019	2114	8637	ARCD	1	5.814	93.7	90.71	85.16		0.173	1	7
kug_hc3	w2a_019	2114	8638	ARCD	1	8.499	107.28	103.48	97.74		0.033	1	6
kug_hc3	w2a_019	2114	8639	ARCD	1	8.287	111.86	105.4	99.65		0.099	2	2
kug_hc3	w2a_019	2114	8640	ARCD	1	12.021	126.49	121.45	113.57		0.336	2	2
kug_hc3	w2a_019	2114	8641	ARCD	1	18.222	134.86	130.39	121.96		0.729	1	7
kug_hc3	w2a_019	2115	8642	ARCD	1	10.886	118.96	114.66	107.46		0.259	1	7
kug_hc3	w2a_019	2115	8643	ARCD	1	6.221	100.31	97.04	93.75		0.11	2	1
kug_hc3	w2a_019	2115	8644	ARCD	1	4.421	86.98	84.3	79.35		0.036	2	1
kug_hc3	w2a_019	2115	8645	ARCD	1	6.379	95.57	92.58	86.73		0.206	1	7
kug_hc3	w2a_019	2115	8646	ARCD	1	8.7	110.9	107.25	100.34		0.113	2	2
kug_hc3	w2a_019	2115	8647	ARCD	1	2.932	79.06	76.99	73.56		0.023	1	6
kug_hc3	w2a_019	2115	8648	ARCD	1	4.335			80.88		0.077	1	6
kug_hc3	w2a_019	2115	8649	ARCD	1	12.95	129.67	124.82	117.8		0.455	1	7
kug_hc3	w2a_019	2115	8650	ARCD	1	4.147	86.01	83.34	79.25		0.043	2	1
kug_hc3	w2a_019	2115	8651	ARCD	1	3.914	82.7	80.15	77.04		0.045	2	1
kug_hc3	w2a_019	2115	8652	ARCD	1	4.409	85.95	83.71	79.06		0.164	1	7
kug_hc3	w2a_019	2115	8653	ARCD	1	16.24	137.65	130.65	124.67		0.535	1	7
kug_hc3	w2a_018	2115	8654	ARCD	1	16.743	129.88	127.17	117.7		0.874	1	7
kug_hc3	w2a_018	2115	8655	ARCD	1	4.63	88.6	85.76	81.04		0.007	0	Unknown
kug_hc3	w2a_019	2115	8656	ARCD	1	3.6	83.65	80.32	75.24		0.031	2	1
kug_hc3	w2a_019	2115	8657	ARCD	1	5.88	101.48	97.42	91.86		0.062	2	1
kug_hc3	w2a_019	2115	8658	ARCD	1	3.71	84.22	82.29	76.96		0.067	1	6
kug_hc3	w2a_019	2115	8659	ARCD	1	4.78	91.86	88.22	82.73		0.081	2	1
kug_hc3	w2a_019	2115	8660	ARCD	1	13.75	129.91	124.46	115.89		0.334	1	7
kug_hc3	w2a_018	2115	8661	ARCD	1	9.728	113.36	109.26	102.74		0.232	2	2
kug_hc3	w2a_019	2116	8662	ARCD	1	10.486	120.57	116.2	106.58		0.429	1	7
kug_hc3	w2a_019	2116	8663	ARCD	1	9.326	115.62	109.95	103.73		0.154	2	1
kug_hc3	w2a_019	2116	8664	ARCD	1	6.751	100.63	96.11	90.96		0.096	2	1
kug_hc3	w2a_019	2116	8665	ARCD	1	3.942	85.83	82.68	78.61		0.058	1	6
kug_hc3	w2a_019	2116	8666	ARCD	1	4.767	93.73	91.39	85.47		0.055	2	1
kug_hc3	w2a_019	2116	8667	ARCD	1	4.288	85.26	82.69	77.53		0.042	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2116	8668	ARCD	1	3.921	79.86	78.53	73.84		0.074	1	6
kug_hc3	w2a_019	2116	8669	ARCD	1	4.673	91.57	89.06	83.63		0.034	2	1
kug_hc3	w2a_019	2116	8670	ARCD	1	7.351	103.29	100.18	95.1		0.086	1	6
kug_hc3	w2a_019	2116	8671	ARCD	1	7.306	104.99	102.3	95.42		0.163	1	7
kug_hc3	w2a_019	2116	8672	ARCD	1	4.319	87.36	85.16	80.16		0.054	2	1
kug_hc3	w2a_019	2116	8673	ARCD	1	3.089	75.43	73.57	69.51		0.033	1	6
kug_hc3	w2a_019	2116	8674	ARCD	1	7.65	107.3	103.61	98.02		0.167	2	2
kug_hc3	w2a_019	2116	8675	ARCD	1	9.204	103.17	100.38	93.78		0.168	1	7
kug_hc3	w2a_019	2116	8676	ARCD	1	5.855	95.29	92.3	87.69		0.167	1	7
kug_hc3	w2a_019	2116	8677	ARCD	1	5.975	102.8	99.47	93.93		0.086	2	1
kug_hc3	w2a_019	2116	8678	ARCD	1	3.61	83.04	80.5	75.26		0.049	2	1
kug_hc3	w2a_019	2116	8679	ARCD	1	4.447	90.28	87.79	83.18		0.025	2	1
kug_hc3	w2a_019	2116	8680	ARCD	1	3.613	82.07	79.44	75.47		0.044	1	6
kug_hc3	w2a_019	2116	8681	ARCD	1	3.849	82.18	79.35	75.33		0.113	1	7
kug_hc3	w2a_019	2117	8682	ARCD	1	14.682	134.82	130.1	121.49		0.499	1	7
kug_hc3	w2a_019	2117	8683	ARCD	1	15.224	133.02	127.64	120.03		0.336	2	2
kug_hc3	w2a_019	2117	8684	ARCD	1	14.111	124.36	119.16	111.27		0.566	1	7
kug_hc3	w2a_019	2117	8685	ARCD	1	11.022	118.41	114.07	106.91		0.267	2	2
kug_hc3	w2a_019	2117	8686	ARCD	1	7.599	101.93	98.89	92.56		0.305	1	7
kug_hc3	w2a_019	2117	8687	ARCD	1	5.819	99.9	96.64	90.3		0.138	2	1
kug_hc3	w2a_019	2117	8688	ARCD	1	6.037	95.52	92.95	87.09		0.222	1	7
kug_hc3	w2a_019	2117	8689	ARCD	1	6.63	95.2	91.77	87.2		0.154	1	7
kug_hc3	w2a_019	2117	8690	ARCD	1	4.124	85.61	83.32	78.23		0.04	2	1
kug_hc3	w2a_019	2117	8691	ARCD	1	5.317	89.07	86.69	81.29		0.039	2	1
kug_hc3	w2a_019	2117	8692	ARCD	1	6.226	97.79	94.96	89.71		0.121	1	7
kug_hc3	w2a_019	2117	8693	ARCD	1	3.55	78.35	76.45	71.79		0.078	1	6
kug_hc3	w2a_019	2117	8694	ARCD	1	11.761	124.52	119.48	113.1		0.503	1	7
kug_hc3	w2a_019	2117	8695	ARCD	1	8.093	104.66	101.81	96.29		0.174	1	7
kug_hc3	w2a_019	2117	8696	ARCD	1	6.1	96.01	93	88.31		0.067	2	1
kug_hc3	w2a_019	2117	8697	ARCD	1	5.782	96.97	93.64	88.23		0.022	1	6
kug_hc3	w2a_019	2117	8698	ARCD	1	6.258	91.14	88.05	82.54		0.035	1	6
kug_hc3	w2a_019	2117	8699	ARCD	1	4.342	90.12	86.33	82.06		0.056	2	1
kug_hc3	w2a_019	2117	8700	ARCD	1	5.242	93.45	89.71	84.02		0.042	2	1
kug_hc3	w2a_019	2117	8701	ARCD	1	4.106	83.74	80.75	76.45		0.043	1	6
kug_hc3	w2a_019	2118	8702	ARCD	1	13.415	132.66	124.77	115.87		0.67	1	7
kug_hc3	w2a_019	2118	8703	ARCD	1	7.97	104.49	99.6	93.79		0.291	1	7
kug_hc3	w2a_019	2118	8704	ARCD	1	7.386	110.52	105.78	101.16		0.222	1	7
kug_hc3	w2a_019	2118	8705	ARCD	1	7.53	110.24	105.04	98.13		0.166	2	2
kug_hc3	w2a_019	2118	8706	ARCD	1	6.799	99.94	96.28	90.84		0.09	2	2
kug_hc3	w2a_019	2118	8707	ARCD	1	8.714	110.89	106.05	100.17		0.117	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2118	8708	ARCD	1	4.535	87.75	83.79	79.3		0.037	1	6
kug_hc3	w2a_019	2118	8709	ARCD	1	4.633	88.3	85.2	80.72		0.055	2	1
kug_hc3	w2a_019	2118	8710	ARCD	1	4.306	87.73	84.08	80.22		0.032	1	6
kug_hc3	w2a_019	2118	8711	ARCD	1	3.96	84.27	80.64	76.18		0.085	1	6
kug_hc3	w2a_019	2118	8712	ARCD	1	5.947	99.28	96.29	91.13		0.055	1	6
kug_hc3	w2a_019	2118	8713	ARCD	1	5.625	90.56	87.96	83.14		0.077	2	2
kug_hc3	w2a_019	2118	8714	ARCD	1	11.542	117.84	112.03	106.55		0.387	1	7
kug_hc3	w2a_019	2118	8715	ARCD	1	10.616	114.52	109.12	104.66		0.241	1	7
kug_hc3	w2a_019	2118	8716	ARCD	1	7.184	104.36	98.81	92.32		0.14	1	7
kug_hc3	w2a_019	2118	8717	ARCD	1	4.182	84.02	80.26	76.21		0.057	1	7
kug_hc3	w2a_019	2118	8718	ARCD	1	5.365	85.17	84.2	83.2		0.183	1	7
kug_hc3	w2a_019	2118	8719	ARCD	1	5.103	95.19	90.54	86.6		0.072	2	2
kug_hc3	w2a_019	2118	8720	ARCD	1	5.356	95.27	90.35	85.34		0.144	1	7
kug_hc3	w2a_019	2118	8721	ARCD	1	3.12	73.38	70.96	66.76		0.029	1	6
kug_hc3	w2a_019	2119	8722	ARCD	1	13.383	121.96	113.94	108.66		0.335	2	2
kug_hc3	w2a_019	2119	8723	ARCD	1	10.509	121.34	116.35	108.9		0.215	2	2
kug_hc3	w2a_019	2119	8724	ARCD	1	5.87	92.88	90.82	85.72		0.06	1	6
kug_hc3	w2a_019	2119	8725	ARCD	1	5.843	99.99	96.41	90.97		0.021	1	6
kug_hc3	w2a_019	2119	8726	ARCD	1	7.126	107.36	103.65	98.41		0.082	2	1
kug_hc3	w2a_019	2119	8727	ARCD	1	5.217	93.87	91.58	86.11		0.06	2	1
kug_hc3	w2a_019	2119	8728	ARCD	1	5.295	94.6	92.64	88.16		0.062	2	1
kug_hc3	w2a_019	2119	8729	ARCD	1	3.467	85.49	83.68	77.54		0.042	2	1
kug_hc3	w2a_019	2119	8730	ARCD	1	3.987	86.82	83.7	79.46		0.033	1	6
kug_hc3	w2a_019	2119	8731	ARCD	1	3.916	82.52	80.88	76.05		0.041	2	1
kug_hc3	w2a_019	2119	8732	ARCD	1	5.219	86.87	84.77	79.33		0.139	1	6
kug_hc3	w2a_019	2119	8733	ARCD	1	3.359	78.44	75.85	71.59		0.044	2	1
kug_hc3	w2a_019	2119	8734	ARCD	1	12.717	131.66	127.46	120.92		0.403	2	2
kug_hc3	w2a_019	2119	8735	ARCD	1	5.784	95.16	92.37	86.79		0.064	2	1
kug_hc3	w2a_019	2119	8736	ARCD	1	6.973	104.91	100.58	94.28		0.093	2	1
kug_hc3	w2a_019	2119	8737	ARCD	1	3.712	84.83	81.94	77.55		0.037	2	1
kug_hc3	w2a_019	2119	8738	ARCD	1	5.092	91.79	88.91	84.18		0.138	1	6
kug_hc3	w2a_019	2119	8739	ARCD	1	4.825	90.95	88.21	82.68		0.041	2	1
kug_hc3	w2a_019	2119	8740	ARCD	1	4.882	84.86	82.23	77.15		0.067	1	6
kug_hc3	w2a_019	2119	8741	ARCD	1	4.601	89.2	83.5	80.81		0.057	2	1
kug_hc3	w2a_019	2120	8742	ARCD	1	18.489	137.48	132.69	125.38		0.932	1	7
kug_hc3	w2a_019	2120	8743	ARCD	1	12.293	122.15	116.6	110.68		0.29	2	2
kug_hc3	w2a_019	2120	8744	ARCD	1	11.452	124.04	120.51	113.19		0.421	1	7
kug_hc3	w2a_019	2120	8745	ARCD	1	10.484	117.49	112.6	105.66		0.246	2	2
kug_hc3	w2a_019	2120	8746	ARCD	1	5.181	95.49	92.17	87.25		0.049	2	1
kug_hc3	w2a_019	2120	8747	ARCD	1	6.559	109.14	105.66	100.6		0.089	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2120	8748	ARCD	1	6.688	103.03	100.18	93.61		0.203	1	6
kug_hc3	w2a_019	2120	8749	ARCD	1	4.686	88.74	86.74	81.14		0.046	2	1
kug_hc3	w2a_019	2120	8750	ARCD	1	3.931	87.19	84.56	78.9		0.031	2	1
kug_hc3	w2a_019	2120	8751	ARCD	1	4.35	86.03	83.48	79.1		0.066	1	6
kug_hc3	w2a_019	2120	8752	ARCD	1	3.545	83.21	80.14	75.62		0.041	2	1
kug_hc3	w2a_019	2120	8753	ARCD	1	1.993	72.88	70.93	68.1		0.021	1	6
kug_hc3	w2a_019	2120	8754	ARCD	1	15.339	131.87	126.93	119.14		0.371	2	2
kug_hc3	w2a_019	2120	8755	ARCD	1	8.447	110.34	106.55	99.69		0.183	2	1
kug_hc3	w2a_019	2120	8756	ARCD	1	5.648	93.73	91.35	86.52		0.074	2	1
kug_hc3	w2a_019	2120	8757	ARCD	1	4.682	90.39	87.92	83.57		0.013	1	6
kug_hc3	w2a_019	2120	8758	ARCD	1	4.272	89.2	86.08	81.29		0.044	2	1
kug_hc3	w2a_019	2120	8759	ARCD	1	4.43	87.66	84.22	79.85		0.052	2	1
kug_hc3	w2a_019	2120	8760	ARCD	1	3.872	84.01	81.47	78.04		0.05	2	1
kug_hc3	w2a_019	2120	8761	ARCD	1	2.877	74.91	73.36	70.27		0.04	1	6
kug_hc3	w2a_019	2122	8762	ARCD	1	9.46	118.69	113.67	105.96		0.171	1	7
kug_hc3	w2a_019	2122	8763	ARCD	1	10.76	116.6	113.82	106.28		0.314	1	7
kug_hc3	w2a_019	2122	8764	ARCD	1	9.02	123.43	116.97	112.01		0.195	2	2
kug_hc3	w2a_019	2122	8765	ARCD	1	10.27	114.15	110.87	106.72		0.302	2	2
kug_hc3	w2a_019	2122	8766	ARCD	1	8.32	105.91		96.59		0.156	1	7
kug_hc3	w2a_019	2122	8767	ARCD	1	7.9	104.95	100.59	94.3		0.185	2	1
kug_hc3	w2a_019	2122	8768	ARCD	1	5.77	97.61	95.41	89.35		0.074	2	1
kug_hc3	w2a_019	2122	8769	ARCD	1	4.12	87.37	84.3	79.81		0.053	1	6
kug_hc3	w2a_019	2122	8770	ARCD	1	4.3	87.17	84.1	80.38		0.08	1	7
kug_hc3	w2a_019	2122	8771	ARCD	1	3.83	85.72	82.63	77.26		0.024	2	1
kug_hc3	w2a_019	2122	8772	ARCD	1	4.47	84.31	80.42	75.93		0.062	1	6
kug_hc3	w2a_019	2122	8773	ARCD	1	3.35	81.08	77.56	73.82		0.03	2	1
kug_hc3	w2a_019	2122	8774	ARCD	1	4.28	83.76	81.12	76.57		0.018	2	1
kug_hc3	w2a_019	2122	8775	ARCD	1	3.7	88.3	84.08	79.6		0.047	2	1
kug_hc3	w2a_019	2122	8776	ARCD	1	9.74	108.29	105.22	98.27		0.157	1	7
kug_hc3	w2a_019	2122	8777	ARCD	1	4.47	91.53	89.53	84.97		0.119	1	7
kug_hc3	w2a_019	2122	8778	ARCD	1	8.1	110.44	105.3	99.19		0.115	1	7
kug_hc3	w2a_019	2122	8779	ARCD	1	2.8	80.65	76.66	74.01		0.035	1	6
kug_hc3	w2a_019	2122	8780	ARCD	1	10.38	118.32	111.62	106.38		0.152	2	2
kug_hc3	w2a_019	2122	8781	ARCD	1	10.97	111.34	106.98	100.28		0.299	2	2
kug_hc3	w2a_019	2123	8782	ARCD	1	5.377	94.12	92.18	86.9		0.185	1	7
kug_hc3	w2a_019	2123	8783	ARCD	1	4.452	92.16	89.18	84.28		0.094	1	6
kug_hc3	w2a_019	2123	8784	ARCD	1	4.813	94.21	91.52	85.68		0.06	2	1
kug_hc3	w2a_019	2123	8785	ARCD	1	4.621	91.25	88.93	84.02		0.059	1	6
kug_hc3	w2a_019	2123	8786	ARCD	1	5.208	90.18	87.52	81.86		0.149	1	6
kug_hc3	w2a_019	2123	8787	ARCD	1	5.073	92.08	89.74	84.83		0.088	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2123	8788	ARCD	1	7.14	98.31	96.44	91.21		0.192	1	7
kug_hc3	w2a_019	2123	8789	ARCD	1	9.612	106.91	103.12	97.36		0.227	1	7
kug_hc3	w2a_019	2123	8790	ARCD	1	5.49	91.03	88.17	82.85		0.075	1	6
kug_hc3	w2a_019	2123	8791	ARCD	1	9.58	104.1	101.07	93.94		0.188	1	7
kug_hc3	w2a_019	2123	8792	ARCD	1	6.22	99.68	92.36	86.11		0.088	1	6
kug_hc3	w2a_019	2123	8793	ARCD	1	9.78	120.68	116.01	108.64		0.465	1	7
kug_hc3	w2a_019	2123	8795	ARCD	1	7.335	101.39	98.21	91.55		0.243	1	7
kug_hc3	w2a_019	2123	8796	ARCD	1	5.834	98.49	93.91	88.64		0.057	2	1
kug_hc3	w2a_019	2123	8797	ARCD	1	5.022	93.33	90.05	85.05		0.064	2	1
kug_hc3	w2a_019	2123	8798	ARCD	1	4.044	88.34	84.21	80.4		0.059	2	1
kug_hc3	w2a_019	2123	8799	ARCD	1	5.07	92.75	90.31	85.15		0.079	1	6
kug_hc3	w2a_019	2123	8800	ARCD	1	5.047	86.72	82.99	79.31		0.073	1	6
kug_hc3	w2a_019	2123	8801	ARCD	1	3.171	77.61	75.19	71.35		0.03	2	1
kug_hc3	w2a_019	2124	8802	ARCD	1	15.25	129.64	124.58	119.21		0.297	2	2
kug_hc3	w2a_019	2124	8803	ARCD	1	11.385	124.86	120.52	112.69		0.312	2	2
kug_hc3	w2a_019	2124	8804	ARCD	1	9.512	116.81	112.2	106		0.233	2	2
kug_hc3	w2a_019	2124	8805	ARCD	1	14.39	128.78	123.67	115.11		0.384	2	2
kug_hc3	w2a_019	2124	8806	ARCD	1	7.481	101.83	99.43	93.87		0.144	1	6
kug_hc3	w2a_019	2124	8807	ARCD	1	5.707	94.39	91.74	86.4		0.117	1	6
kug_hc3	w2a_019	2124	8808	ARCD	1	5.207	91.98	89.17	83.7		0.049	2	1
kug_hc3	w2a_019	2124	8809	ARCD	1	5.789	91.45	88.93	83.45		0.095	1	7
kug_hc3	w2a_019	2124	8810	ARCD	1	6.256	97.46	95.37	89.62		0.071	2	1
kug_hc3	w2a_019	2124	8811	ARCD	1	5.528	92.8	89.98	84.8		0.251	1	7
kug_hc3	w2a_019	2124	8812	ARCD	1	4.589	92.04	89.55	84.51		0.071	1	6
kug_hc3	w2a_019	2124	8813	ARCD	1	3.174	76.43	74.42	70.53		0.023	1	6
kug_hc3	w2a_019	2124	8814	ARCD	1	14.939	125.31	121.06	115.39		0.384	2	2
kug_hc3	w2a_019	2124	8815	ARCD	1	10.412	119.37	114.64	109.12		0.389	1	7
kug_hc3	w2a_019	2124	8816	ARCD	1	5.947	101.9	97.89	92.41		0.072	1	6
kug_hc3	w2a_019	2124	8817	ARCD	1	8.488	110.32	107.47	102.09		0.044	1	6
kug_hc3	w2a_019	2124	8818	ARCD	1	4.711	92.32	89.29	84.06		0.008	1	6
kug_hc3	w2a_019	2124	8819	ARCD	1	4.454	88.54	85.67	80.3		0.053	2	1
kug_hc3	w2a_019	2124	8820	ARCD	1	4.231	88.18	85.77	80.6		0.027	2	1
kug_hc3	w2a_019	2124	8821	ARCD	1	3.944	84.97	82.78	78.2		0.043	1	6
kug_hc3	w2a_019	2125	8822	ARCD	1	7.498	103.72	99.14	94.58		0.0154	1	7
kug_hc3	w2a_019	2125	8823	ARCD	1	6.713	100.46	95.74	92.4		0.083	2	2
kug_hc3	w2a_019	2125	8824	ARCD	1	4.702	91.34	87.37	82.87		0.051	2	2
kug_hc3	w2a_019	2125	8825	ARCD	1	6.219	96.17	91.73	86.37		0.126	1	7
kug_hc3	w2a_019	2125	8826	ARCD	1	6.254	98.03	94.32	88.05		0.149	1	7
kug_hc3	w2a_019	2125	8827	ARCD	1	3.378	86.1	83.37	78.63		0.015	0	Unknown
kug_hc3	w2a_019	2125	8828	ARCD	1	4.167	89.03	84.55	80.34		0.062	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2125	8829	ARCD	1	3.227	82.93	79.33	75.94		0.012	0	Unknown
kug_hc3	w2a_019	2125	8830	ARCD	1	3.347	81.19	77.21	74.32		0.029	1	6
kug_hc3	w2a_019	2125	8831	ARCD	1	3.125	81	77.17	73.86		0.034	2	2
kug_hc3	w2a_019	2125	8832	ARCD	1	3.25	79.09	73.47	70.43		0.056	1	6
kug_hc3	w2a_019	2125	8833	ARCD	1	2.728	76.77	73.5	69.71		0.001	0	Unknown
kug_hc3	w2a_019	2125	8834	ARCD	1	4.049	89.34	86.3	81.69		0.043	2	2
kug_hc3	w2a_019	2125	8835	ARCD	1	3.675	90.04	85.68	80.79		0.052	1	6
kug_hc3	w2a_019	2125	8836	ARCD	1	3.276	80.59	76.52	72.36		0.063	1	6
kug_hc3	w2a_019	2125	8837	ARCD	1	5.446	96.33	91.19	86.62		0.015	0	Unknown
kug_hc3	w2a_019	2125	8838	ARCD	1	5.355	92.31	88.1	84.19		0.048	2	2
kug_hc3	w2a_019	2125	8839	ARCD	1	3.498	80.85	77.03	73.68		0.001	0	Unknown
kug_hc3	w2a_019	2125	8840	ARCD	1	3.182	78.56	75.96	70.23		0.022	0	Unknown
kug_hc3	w2a_019	2125	8841	ARCD	1	3.933	82.63	78.36	74.74		0.054	1	6
kug_hc3	w2a_019	2126	8842	ARCD	1	18.262	141.84	135.89	128.39		0.73	1	7
kug_hc3	w2a_019	2126	8843	ARCD	1	5.132	98.45	94.07	89.38		0.042	2	1
kug_hc3	w2a_019	2126	8844	ARCD	1	4.781	92.88	86.61	82.88		0.097	1	7
kug_hc3	w2a_019	2126	8845	ARCD	1	5.51	100.01	96.27	91.19		0.039	2	1
kug_hc3	w2a_019	2126	8846	ARCD	1	4.051	86.84	83.37	79.58		0.014	0	Unknown
kug_hc3	w2a_019	2126	8847	ARCD	1	4.497	89.93	85.13	80.23		0.059	1	6
kug_hc3	w2a_019	2126	8848	ARCD	1	3.709	81.94	79.79	73.74		0.082	1	7
kug_hc3	w2a_019	2126	8849	ARCD	1	4.716	88.87	85.6	81.83		0.04	1	6
kug_hc3	w2a_019	2126	8850	ARCD	1	3.894	86.38	82.86	78.52		0.055	2	1
kug_hc3	w2a_019	2126	8851	ARCD	1	3.759	87.07	84.22	79.71		0.084	1	6
kug_hc3	w2a_019	2126	8852	ARCD	1	4.064	86	84.45	78.15		0.05	2	1
kug_hc3	w2a_019	2126	8853	ARCD	1	3.029	80.59	76.4	72.31		0.041	1	6
kug_hc3	w2a_019	2126	8854	ARCD	1	11.84	121.83	117.92	110.52		0.36	1	7
kug_hc3	w2a_019	2126	8855	ARCD	1	5.914	93.64	91.77	85.92		0.127	1	7
kug_hc3	w2a_019	2126	8856	ARCD	1	4.648	87.82	83.69	78.33		0.049	1	6
kug_hc3	w2a_019	2126	8857	ARCD	1	4.388	86.91	83.78	79.23		0.055	2	1
kug_hc3	w2a_019	2126	8858	ARCD	1	5.249	90.35	86.59	81.57		0.057	2	1
kug_hc3	w2a_019	2126	8859	ARCD	1	2.564	72.01	69.12	64.41		0.01	0	Unknown
kug_hc3	w2a_019	2127	8860	ARCD	1	17.905	150.91	140.44	133.41		0.515	2	2
kug_hc3	w2a_019	2127	8861	ARCD	1	5.499	93.51	89.37	85.25		0.087	2	2
kug_hc3	w2a_019	2127	8862	ARCD	1	2.811	75.44	72.44	68.08		0.032	2	1
kug_hc3	w2a_019	2127	8863	ARCD	1	4.601	88.03	85.28	79.72		0.03	1	6
kug_hc3	w2a_019	2127	8864	ARCD	1	3.468	76.6	73.79	69.55		0.055	1	6
kug_hc3	w2a_019	2127	8865	ARCD	1	7.304	101.82	97.97	89.97		0.206	1	7
kug_hc3	w2a_019	2127	8866	ARCD	1	6.583	102.14	96.46	91.63		0.058	1	7
kug_hc3	w2a_019	2127	8867	ARCD	1	4.152	85.67	82.5	79.15		0.031	2	1
kug_hc3	w2a_019	2127	8868	ARCD	1	4.338	89.29	85.76	81.56		0.031	2	2

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2127	8869	ARCD	1	5.672	96.14	91.8	86.85		0.051	2	2
kug_hc3	w2a_019	2127	8870	ARCD	1	6.306	99.74	93.25	90.46		0.132	1	7
kug_hc3	w2a_019	2127	8871	ARCD	1	5.088	90.48	85.36	82.59		0.042	2	1
kug_hc3	w2a_019	2127	8872	ARCD	1	7.445	104.22	99.76	95.56		0.081	2	2
kug_hc3	w2a_019	2127	8873	ARCD	1	6.613	99.25	95.84	90.39		0.066	2	1
kug_hc3	w2a_019	2127	8874	ARCD	1	6.367	99.51	96.2	91.43		0.022	1	6
kug_hc3	w2a_019	2127	8875	ARCD	1	5.476	93.91	89.79	85.46		0.033	1	6
kug_hc3	w2a_019	2127	8876	ARCD	1	3.922	83.24	77.01	74.42		0.042	2	1
kug_hc3	w2a_019	2127	8877	ARCD	1	5.181	90.41	84.95	82.21		0.128	1	7
kug_hc3	w2a_019	2127	8878	ARCD	1	5.622	98.68	94.3	89.83		0.261	2	1
kug_hc3	w2a_019	2127	8879	ARCD	1	3.476	83.58	81.7	76.23		0.262	2	1
kug_hc3	w2a_019	2129	8880	ARCD	1	6.89	102.63	99.45	94.65		0.143	1	7
kug_hc3	w2a_019	2129	8881	ARCD	1	4.992	93.26	90.12	84.92		0.075	2	1
kug_hc3	w2a_019	2129	8882	ARCD	1	6.053	93.52	89.1	84.66		0.066	2	1
kug_hc3	w2a_019	2129	8883	ARCD	1	4.508	93.37	90.18	85.04		0.05	2	1
kug_hc3	w2a_019	2129	8884	ARCD	1	4.864	93.64	90.47	85.23		0.014	1	6
kug_hc3	w2a_019	2129	8885	ARCD	1	4.441	88.68	86.03	80.97		0.069	2	1
kug_hc3	w2a_019	2129	8886	ARCD	1	3.906	87.71	85.31	79.49		0.04	2	1
kug_hc3	w2a_019	2129	8887	ARCD	1	3.612	81.59	79.42	75.72		0.001	0	Unknown
kug_hc3	w2a_019	2129	8888	ARCD	1	4.246			82.09		0.046	2	1
kug_hc3	w2a_019	2129	8889	ARCD	1	2.767	78.11	76.65	71.1		0.011	2	1
kug_hc3	w2a_019	2129	8890	ARCD	1	4.199	88.45	86.21	81.42		0.045	2	1
kug_hc3	w2a_019	2129	8891	ARCD	1	3.725	85.44	83.62	78.91		0.032	2	1
kug_hc3	w2a_019	2129	8892	ARCD	1	3.085	77.67	75.51	72.22		0.025	2	1
kug_hc3	w2a_019	2116	8893	ARCD	1	3.46	82.81	80.7	76.89		0.029	2	1
gry_04	w2a_023	2654	8894	ARCD	1	7.922	118.22	115	107.45		0.259	1	7
gry_04	w2a_023	2654	8895	ARCD	1	5.189	93.94	91.16	85.59		0.044	2	2
gry_04	w2a_023	2654	8896	ARCD	1	4.514	88.9	84.61	81.64		0.019	0	Unknown
gry_04	w2a_023	2654	8897	ARCD	1	4.337	87.02	84.87	79.87		0.028	1	6
gry_04	w2a_023	2654	8898	ARCD	1	5.35	100.34	96.11	91.26		0.051	2	2
gry_04	w2a_023	2654	8899	ARCD	1	4.281	88.63	85.31	80.11		0.037	2	1
gry_04	w2a_023	2654	8900	ARCD	1	4.523	90.16	85.88	81.52		0.019	0	Unknown
gry_04	w2a_023	2654	8901	ARCD	1	3.33	86.74	82.62	78.33		0.065	2	1
gry_04	w2a_023	2654	8902	ARCD	1	3.442	80.98	77.19	73.67		0.033	0	Unknown
gry_04	w2a_023	2654	8903	ARCD	1	3.22	84.31	82	74.17		0.056	1	6
gry_04	w2a_023	2654	8904	ARCD	1	4.492	85.9	82.26	77.04		0.026	1	6
gry_04	w2a_023	2654	8905	ARCD	1	2.957	79.71	77.81	72.65		0.032	0	Unknown
gry_04	w2a_023	2654	8906	ARCD	1	7.725	113.64	108.95	101.52			0	Unknown
gry_04	w2a_023	2654	8907	ARCD	1	6.673	101.89	95.96	89.25			0	Unknown
gry_04	w2a_023	2654	8908	ARCD	1	6.828	102.93	99.02	93.55			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2654	8909	ARCD	1	4.569	88.4	84.35	78.84			0	Unknown
gry_04	w2a_023	2654	8910	ARCD	1	4.658	91.95	88.5	83.26			0	Unknown
gry_04	w2a_023	2654	8911	ARCD	1	3.619	86.14	83.74	78.06			0	Unknown
gry_04	w2a_023	2654	8912	ARCD	1	4.635	87.53	84.49	78.61			0	Unknown
gry_04	w2a_023	2654	8913	ARCD	1	4.068	86.42	83.25	77.62			0	Unknown
gry_04	w2a_023	2656	8914	ARCD	1	17.819	135.44	130.78	123.83		0.413	1	7
gry_04	w2a_023	2656	8915	ARCD	1	10.477	120.48	116.81	109.62		0.243	2	2
gry_04	w2a_023	2656	8916	ARCD	1	6.786	100.75	96.6	91.62		0.141	1	7
gry_04	w2a_023	2656	8917	ARCD	1	9.292	113.19	111.01	104.88		0.123	2	2
gry_04	w2a_023	2656	8918	ARCD	1	5.401	96.78	94.18	89.02		0.057	2	1
gry_04	w2a_023	2656	8919	ARCD	1	4.994			84.62		0.07	2	1
gry_04	w2a_023	2656	8920	ARCD	1	6.135	95.68	92.11	87.54		0.174	1	7
gry_04	w2a_023	2656	8921	ARCD	1	4.57	87.31	84.81	79.47		0.059	1	6
gry_04	w2a_023	2656	8922	ARCD	1	3.87	81.63	79.78	75.2		0.026	2	1
gry_04	w2a_023	2656	8923	ARCD	1	4.597	87.59	84.47	79.58		0.111	1	7
gry_04	w2a_023	2656	8924	ARCD	1	4.195	83.64	81.45	75.9		0.027	2	1
gry_04	w2a_023	2656	8925	ARCD	1	3.407	77.18	75.48	70.5		0.028	1	6
gry_04	w2a_023	2656	8926	ARCD	1	7.438	107.5	104.5	97.82		0.168	2	2
gry_04	w2a_023	2656	8927	ARCD	1	8.451			97.38		0.219	1	7
gry_04	w2a_023	2656	8928	ARCD	1	5.502	92.82	89.74	84.6		0.078	2	1
gry_04	w2a_023	2656	8929	ARCD	1	5.788	95.77	93.27	87.71		0.133	1	7
gry_04	w2a_023	2656	8930	ARCD	1	5.406	89.95	87.64	81.97		0.066	2	1
gry_04	w2a_023	2656	8931	ARCD	1	4.796	84.12	82.16	76.74		0.039	1	6
gry_04	w2a_023	2656	8932	ARCD	1	4.199	83.34	80.92	76.1		0.04	2	1
gry_04	w2a_023	2656	8933	ARCD	1	3.53	79.33	77	71.46		0.057	2	1
dal_hc3	mwt_003	855	8954	ARCD	1	0.414	42.76	41.84	39.83			n/a	
dal_hc3	mwt_003	855	8955	ARCD	1	0.592	46.11	44.85	42.12			n/a	
dal_hc3	mwt_003	855	8956	ARCD	1	0.566	47.4	46.5	43.31			n/a	
dal_hc3	mwt_003	855	8957	ARCD	1	0.499	45.65	44.73	41.62			n/a	
dal_hc3	mwt_003	855	8958	ARCD	1	0.486	43.37	41.39	38.39			n/a	
dal_hc3	mwt_003	855	8959	ARCD	1	0.791	49.68		44.75			n/a	
dal_hc3	mwt_003	855	8960	ARCD	1	0.353	39		36.19			n/a	
dal_hc3	mwt_003	855	8961	ARCD	1	0.707	48.26	46.8	43.49			n/a	
dal_hc3	mwt_003	855	8962	ARCD	1	0.733	46.96	45.69	42.09			n/a	
dal_hc3	mwt_003	855	8963	ARCD	1	0.468	43.5	43.17	40.36			n/a	
dal_hc3	mwt_003	855	8964	ARCD	1	0.297	39.27	37.94	35.29			n/a	
dal_hc3	mwt_003	855	8965	ARCD	1	0.192	34.6		30.86			n/a	
dal_hc3	mwt_003	855	8966	ARCD	1	0.259	38.1	35.98	34.22			n/a	
dal_hc3	mwt_003	855	8967	ARCD	1	0.654	47.2	46.82	43.2			n/a	
dal_hc3	mwt_003	855	8968	ARCD	1	0.153	35.13		31.45			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc3	mwt_003	855	8969	ARCD	1	0.246	36.82	35.15	33.38			n/a	
dal_hc3	mwt_003	855	8970	ARCD	1	0.381	41.03	39.43	37.68			n/a	
dal_hc3	mwt_003	855	8971	ARCD	1	0.318	40.22	37.95	36.38			n/a	
dal_hc3	mwt_003	855	8972	ARCD	1	0.446	43.84		39.35			n/a	
dal_hc3	mwt_003	855	8973	ARCD	1	0.561	43.21		39.47			n/a	
dal_hc3	mwt_003	855	8974	ARCD	1	0.688	48.63	46.54	42.84			n/a	
dal_hc3	mwt_003	855	8975	ARCD	1	0.865	51.39		45.73			n/a	
dal_hc3	mwt_003	855	8976	ARCD	1	0.485	43.04		39.3			n/a	
dal_hc3	mwt_003	855	8977	ARCD	1	0.335	41.01	38.58	37.27			n/a	
dal_hc3	mwt_003	855	8978	ARCD	1	0.529	43.45	41.63	38.84			n/a	
dal_hc3	mwt_003	855	8979	ARCD	1	1.006	57.63	55.93	52.64			n/a	
dal_hc3	mwt_003	855	8980	ARCD	1	0.284	38.32	35.75	33.72			n/a	
dal_hc3	mwt_003	855	8981	ARCD	1	0.356	42.24	40.1	37.12			n/a	
dal_hc3	mwt_003	855	8982	ARCD	1	0.412	40.38	39.89	37.18			n/a	
dal_hc3	mwt_003	855	8983	ARCD	1	0.376	42.38	39.72	37.92			n/a	
dal_hc3	mwt_003	855	8984	ARCD	1	0.272	38.18	36.51	34.55			n/a	
dal_hc3	mwt_003	855	8985	ARCD	1	0.53	47.36	46.31	43.59			n/a	
dal_hc3	mwt_003	855	8986	ARCD	1	0.359	41	38.97	37.53			n/a	
dal_hc3	mwt_003	855	8987	ARCD	1	0.395	41.38	40.03	38.12			n/a	
dal_hc3	mwt_003	855	8988	ARCD	1	0.764	49.49	47.77	44.52			n/a	
dal_hc3	mwt_003	855	8989	ARCD	1	0.449	44.97	44.87	41.61			n/a	
dal_hc3	mwt_003	855	8990	ARCD	1	0.839	50.02		44.9			n/a	
dal_hc3	mwt_003	855	8991	ARCD	1	0.378			36.39			n/a	
dal_hc3	mwt_003	855	8992	ARCD	1	0.398	39.44		35.07			n/a	
dal_hc3	mwt_003	855	8993	ARCD	1	0.27	40	39.55	36.95			n/a	
dal_hc3	mwt_003	855	8994	ARCD	1	0.24	35.14	34.38	32.81			n/a	
dal_hc3	mwt_003	855	8995	ARCD	1	0.284	40.93	38.4	36.66			n/a	
dal_hc3	mwt_003	855	8996	ARCD	1	0.342	39.87	38.09	36.19			n/a	
dal_hc3	mwt_003	855	8997	ARCD	1	0.286	38.75		35.81			n/a	
dal_hc3	mwt_003	855	8998	ARCD	1	0.233	39.98	38.37	35.92			n/a	
dal_hc3	mwt_003	855	8999	ARCD	1	0.187			31.06			n/a	
dal_hc3	mwt_003	855	9000	ARCD	1	0.215	36.42	35.22	33.1			n/a	
dal_hc3	mwt_003	855	9001	ARCD	1	0.344	41.05	39.27	36.8			n/a	
dal_hc3	mwt_003	855	9002	ARCD	1	0.56	48.04	45.88	43.22			n/a	
dal_hc3	mwt_003	855	9003	ARCD	1	0.335	42.51	41.98	40.3			n/a	
dal_hc3	mwt_003	855	9004	ARCD	1	0.345			35.44			n/a	
dal_hc3	mwt_003	855	9005	ARCD	1	0.223	35.16	33.82	32.03			n/a	
dal_hc3	mwt_003	855	9006	ARCD	1	0.431	42.47	41.6	38.69			n/a	
dal_hc3	mwt_003	855	9007	ARCD	1	0.657	46.58	44.15	42.14			n/a	
dal_hc3	mwt_003	855	9008	ARCD	1	0.32	41.85	39.81	37.29			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc3	mwt_003	855	9009	ARCD	1	0.375	44.9	43.11	40.79			n/a	
dal_hc3	mwt_003	855	9010	ARCD	1	0.383	41.22	39.08	36.83			n/a	
dal_hc3	mwt_003	855	9011	ARCD	1	0.386	41.16	39.77	38.66			n/a	
dal_hc3	mwt_003	855	9012	ARCD	1	0.285	37.93	37.15	34.71			n/a	
dal_hc3	mwt_003	855	9013	ARCD	1	0.288	39.35	38.17	35.62			n/a	
dal_hc3	mwt_003	855	9014	ARCD	1	0.28	37.74		31.64			n/a	
dal_hc3	mwt_003	855	9015	ARCD	1	0.498	46.28	45.39	43.06			n/a	
dal_hc3	mwt_003	855	9016	ARCD	1	0.332	41.13	40.47	38.31			n/a	
dal_hc3	mwt_003	855	9017	ARCD	1	0.387	42.85	41.32	39.58			n/a	
dal_hc3	mwt_003	855	9018	ARCD	1	0.627	48.88	47.41	44.35			n/a	
dal_hc3	mwt_003	855	9019	ARCD	1	0.917	50.92	49.03	46.64			n/a	
dal_hc3	mwt_003	855	9020	ARCD	1	0.321	41.57	40.27	38.12			n/a	
dal_hc3	mwt_003	855	9021	ARCD	1	0.331	46.16	44.44	42.59			n/a	
dal_hc3	mwt_003	855	9022	ARCD	1	0.296	38.86	35.94	34.51			n/a	
dal_hc3	mwt_003	855	9023	ARCD	1	0.222	39.21		34.77			n/a	
dal_hc3	mwt_003	855	9024	ARCD	1	0.391			35.39			n/a	
dal_hc3	mwt_003	855	9025	ARCD	1	0.236	37.58	36.12	34.54			n/a	
dal_hc3	mwt_003	855	9026	ARCD	1	0.318	40.09	38.92	37.38			n/a	
dal_hc3	mwt_003	855	9027	ARCD	1	0.172	36.63	35.17	33.3			n/a	
dal_hc3	mwt_003	855	9028	ARCD	1	0.141	30.7	29.18	27.11			n/a	
dal_hc3	mwt_003	855	9029	ARCD	1	0.255	38.06	37.09	34.57			n/a	
dal_hc3	mwt_003	855	9030	ARCD	1	0.272	39.36	37.92	36.33			n/a	
dal_hc3	mwt_003	855	9031	ARCD	1	0.447	43.4	42.37	39.25			n/a	
dal_hc3	mwt_003	855	9032	ARCD	1	0.277	41.33	39.72	37.18			n/a	
dal_hc3	mwt_003	855	9033	ARCD	1	0.252	37.68		33.64			n/a	
gry_04	w2a_023	2657	9034	ARCD	1	4.366	84.09	81.95	75.75		0.041	2	1
gry_04	w2a_023	2657	9035	ARCD	1	3.893	83.57	79.95	76		0.039	0	Unknown
gry_04	w2a_023	2657	9036	ARCD	1	5.637	94.89	91.83	85.56		0.12	1	7
gry_04	w2a_023	2657	9037	ARCD	1	4.395	88.48	86.01	80.72		0.019	0	Unknown
gry_04	w2a_023	2657	9038	ARCD	1	5.93	94.34	90.84	84.47		0.179	1	7
gry_04	w2a_023	2657	9039	ARCD	1	5.547	91.05	87.03	82.7		0.134	1	7
gry_04	w2a_023	2657	9040	ARCD	1	5.715	93.1	89.66	83.6		0.058	2	2
gry_04	w2a_023	2657	9041	ARCD	1	7.745	103.97	100.23	94.83		0.115	1	7
gry_04	w2a_023	2657	9042	ARCD	1	7.566	102.83	98.24	92.4		0.189	2	2
gry_04	w2a_023	2657	9043	ARCD	1	7.414	101.24	100	91.46		0.235	1	7
gry_04	w2a_023	2657	9044	ARCD	1	12.808	127.27	121.66	114.53		0.373	2	2
gry_04	w2a_023	2657	9045	ARCD	1	12.513	126.43	120.15	112.29		0.33	1	7
gry_04	w2a_023	2657	9046	ARCD	1	3.411	78.29	75.49	72.4			n/a	
gry_04	w2a_023	2657	9047	ARCD	1	7.54	103.74	100.15	93.29			n/a	
gry_04	w2a_023	2657	9048	ARCD	1	5.025	96.6	91.77	89.96			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2657	9049	ARCD	1	8.05	101.02	95.93	91.14			n/a	
gry_04	w2a_023	2657	9050	ARCD	1	8.167	106.76	103.15	95.5			n/a	
gry_04	w2a_023	2657	9051	ARCD	1	8.385	104.78	100.9	94.52			n/a	
gry_04	w2a_023	2657	9052	ARCD	1	9.058	112.21	108.18	101.4			n/a	
gry_04	w2a_023	2657	9053	ARCD	1	12.325	127.26	122.04	115.06			n/a	
gry_04	w2a_023	2660	9054	ARCD	1	3.755	80.95	77.67	73.16		0.052	1	6
gry_04	w2a_023	2660	9055	ARCD	1	4.862	87.52	84.88	79.54		0.038	2	1
gry_04	w2a_023	2660	9056	ARCD	1	6.108	100.97	94.55	90.12		0.12	1	7
gry_04	w2a_023	2660	9057	ARCD	1	6.202	97.37	93.77	87.68		0.001	0	Unknown
gry_04	w2a_023	2660	9058	ARCD	1	9.434	113.06	106.95	100.87		0.173	1	7
gry_04	w2a_023	2660	9059	ARCD	1	8.176	106.82	103.46	96.86		0.155	1	7
gry_04	w2a_023	2660	9060	ARCD	1	12.049	122.04	116.85	110.9		0.3	2	1
gry_04	w2a_023	2660	9061	ARCD	1	11.613	115.45	112.49	104.5		0.282	2	2
gry_04	w2a_023	2660	9062	ARCD	1	13.768	134.63	130.57	121.05		0.308	2	2
gry_04	w2a_023	2660	9063	ARCD	1	15.3	137.94	132.6	124.06		0.358	2	2
gry_04	w2a_023	2660	9064	ARCD	1	14.861	128.35	123.1	114.25		0.388	2	2
gry_04	w2a_023	2660	9065	ARCD	1	15.114	130.31	125.46	117.9		0.548	1	7
gry_04	w2a_023	2660	9066	ARCD	1	3.818			72.23			0	Unknown
gry_04	w2a_023	2660	9067	ARCD	1	4.673	92.2	87.97	82.59			0	Unknown
gry_04	w2a_023	2660	9068	ARCD	1	6.247	102.23	99.05	94.24			n/a	
gry_04	w2a_023	2660	9069	ARCD	1	6.774	103.19	97.86	92.65			0	Unknown
gry_04	w2a_023	2660	9070	ARCD	1	5.206	90.26	87.59	81.85			n/a	
gry_04	w2a_023	2660	9071	ARCD	1	6.432	100.1	95.2	90.42			0	Unknown
gry_04	w2a_023	2660	9072	ARCD	1	6.469	97.63	94.64	88.76			n/a	
gry_04	w2a_023	2660	9073	ARCD	1	11.169	120.59	114.93	108.64			n/a	
gry_04	w2a_023	2665	9074	ARCD	1	4.035	87.01	84.68	78.62		0.028	0	Unknown
gry_04	w2a_023	2665	9075	ARCD	1	4.254	86	82.99	78.03		0.082	1	6
gry_04	w2a_023	2665	9076	ARCD	1	3.334	82.54	79.8	75.13		0.058	1	6
gry_04	w2a_023	2665	9077	ARCD	1	5.904	100.58	94.72	90.09		0.111	2	2
gry_04	w2a_023	2665	9078	ARCD	1	4.88	90.9	87.74	82.8		0.063	2	1
gry_04	w2a_023	2665	9079	ARCD	1	5.334	94.24	90.38	85.35		0.04	2	1
gry_04	w2a_023	2665	9080	ARCD	1	6.904	99.12	93.29	87.86		0.158	1	7
gry_04	w2a_023	2665	9081	ARCD	1	5.561	90.43	87.75	83.12		0.069	1	7
gry_04	w2a_023	2665	9082	ARCD	1	4.369	91.63	87.9	83.28		0.031	2	1
gry_04	w2a_023	2665	9083	ARCD	1	5.638	95.67	91.37	86.21		0.092	1	6
gry_04	w2a_023	2665	9084	ARCD	1	7.656	106.36	101.59	96.04		0.048	1	6
gry_04	w2a_023	2665	9085	ARCD	1	7.153	107.7	102.35	97.28		0.161	1	7
gry_04	w2a_023	2665	9086	ARCD	1	4.347	85.21	81.59	78		0.033	0	Unknown
gry_04	w2a_023	2665	9087	ARCD	1	3.199	77.94	75.53	71.73		0.028	2	1
gry_04	w2a_023	2665	9088	ARCD	1	4.564	91.92	87.91	82.16		0.022	0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2665	9089	ARCD	1	6.422	99.97	97.32	93.22		0.153	1	7
gry_04	w2a_023	2665	9090	ARCD	1	6.541	101.97	98.16	92.63		0.044	0	Unknown
gry_04	w2a_023	2665	9091	ARCD	1	8.528	108.76	102.53	97.93		0.133	2	2
gry_04	w2a_023	2665	9092	ARCD	1	8.91	111.48	108.4	103.33		0.2	2	2
gry_04	w2a_023	2665	9093	ARCD	1	9.458	116.27	109.84	104.67		0.049	0	Unknown
gry_04	w2a_023	2666	9094	ARCD	1	4.26	83.75	80.18	75.89		0.116	1	7
gry_04	w2a_023	2666	9095	ARCD	1	4.058	82.26	78.66	74.3		0.159	1	7
gry_04	w2a_023	2666	9096	ARCD	1	4.115	80.81	78.71	75.54		0.047	2	1
gry_04	w2a_023	2666	9097	ARCD	1	5.203	92.34	88.9	82.1		0.014	0	Unknown
gry_04	w2a_023	2666	9098	ARCD	1	5.872	94.86	90.4	86.39		0.125	1	7
gry_04	w2a_023	2666	9099	ARCD	1	7.443	107.78	104.38	98.81		0.1	2	2
gry_04	w2a_023	2666	9100	ARCD	1	7.474	104.42	100.76	96.03		0.083	2	2
gry_04	w2a_023	2666	9101	ARCD	1	7.606	101.43	98.52	93.48		0.237	1	7
gry_04	w2a_023	2666	9102	ARCD	1	7.774	107.68	103.23	96.75		0.081	2	2
gry_04	w2a_023	2666	9103	ARCD	1	7.72	102.19	99.4	94.74		0.1	1	7
gry_04	w2a_023	2666	9104	ARCD	1	14.715	126.47	119.84	115.51		0.352	2	2
gry_04	w2a_023	2666	9105	ARCD	1	11.723	118.93	114.45	106.55		0.49	1	7
gry_04	w2a_023	2666	9106	ARCD	1	4.54	85.74	82.01	76.93			0	Unknown
gry_04	w2a_023	2666	9107	ARCD	1	6.629	100.12	96.75	90.04			0	Unknown
gry_04	w2a_023	2666	9108	ARCD	1	6.957	104.48	101.03	94.88			0	Unknown
gry_04	w2a_023	2666	9109	ARCD	1	4.845	92.31	88.4	83.15			0	Unknown
gry_04	w2a_023	2666	9110	ARCD	1	5.486	91.29	88.5	83.69			0	Unknown
gry_04	w2a_023	2666	9111	ARCD	1	7.53	104.24	99.7	95.17			0	Unknown
gry_04	w2a_023	2666	9112	ARCD	1	9.708	117.39	112.33	106.3			0	Unknown
gry_04	w2a_023	2666	9113	ARCD	1	12.152	115.85	109.36	104.21			0	Unknown
gry_04	w2a_023	2667	9114	ARCD	1	3.88	83.85	82.33	76.14		0.008	1	6
gry_04	w2a_023	2667	9115	ARCD	1	3.39	84.15	81.67	76.44		0.039	2	1
gry_04	w2a_023	2667	9116	ARCD	1	9.666	111.93	106.71	100.24		0.067	2	1
gry_04	w2a_023	2667	9117	ARCD	1	4.7	87.96	85.17	79.53		0.049	2	1
gry_04	w2a_023	2667	9118	ARCD	1	4.519	88.23	85.85	80.08		0.076	1	6
gry_04	w2a_023	2667	9119	ARCD	1	4.79	93.51	91.85	84.85		0.09	1	6
gry_04	w2a_023	2667	9120	ARCD	1	5.69	95.24	92.94	85.86		0.075	2	1
gry_04	w2a_023	2667	9121	ARCD	1	7.15	96.15	91.26	85.99		0.029	1	6
gry_04	w2a_023	2667	9122	ARCD	1	7.91			95.51		0.013	0	Unknown
gry_04	w2a_023	2667	9123	ARCD	1	7.12	103.44	100.01	94.23		0.04	2	1
gry_04	w2a_023	2667	9124	ARCD	1	8.01	104.04	100.5	95.96		0.2	1	7
gry_04	w2a_023	2667	9125	ARCD	1	9.04	111.99	105.55	101.24		0.213	2	2
gry_04	w2a_023	2667	9126	ARCD	1	5.76	92.57	89.67	83.78			n/a	
gry_04	w2a_023	2667	9127	ARCD	1	4.53	85.07	82.13	77.22			n/a	
gry_04	w2a_023	2667	9128	ARCD	1	3.81	81.61	81.22	75.79			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2667	9129	ARCD	1	5.27	94.17	92.27	87.49			n/a	
gry_04	w2a_023	2667	9130	ARCD	1	5.72	96.04	93.62	87.33			n/a	
gry_04	w2a_023	2667	9131	ARCD	1	7.13	100.41	96.73	90.97			n/a	
gry_04	w2a_023	2667	9132	ARCD	1	6.35	103.33	100.36	93.88			n/a	
gry_04	w2a_023	2667	9133	ARCD	1	8.63	112.5	109.2	102.31			n/a	
gry_04	w2a_023	2669	9134	ARCD	1	3.33	81.94	79.29	74.5		0.021	0	Unknown
gry_04	w2a_023	2669	9135	ARCD	1	3.55	81.31	78.63	73.71		0.019	1	6
gry_04	w2a_023	2669	9136	ARCD	1	3.71	81.75	78.97	73.38		0.02	1	6
gry_04	w2a_023	2669	9137	ARCD	1	4.372	84.97	82.4	77.56		0.09	1	6
gry_04	w2a_023	2669	9138	ARCD	1	4.47	92.04	88.98	84.35		0.01	1	6
gry_04	w2a_023	2669	9139	ARCD	1	4.66	86.13	85.11	79.44		0.053	1	6
gry_04	w2a_023	2669	9140	ARCD	1	6.768	99.75	97.3	90.42		0.128	2	1
gry_04	w2a_023	2669	9141	ARCD	1	5.854	94.44	92.24	86.2		0.043	2	1
gry_04	w2a_023	2669	9142	ARCD	1	6.434	103.55	99.8	93.72		0.05	2	1
gry_04	w2a_023	2669	9143	ARCD	1	6.48	94.32	90.96	86.17		0.049	2	1
gry_04	w2a_023	2669	9144	ARCD	1	13.445	122.68	118.75	111.59		0.972	1	7
gry_04	w2a_023	2669	9145	ARCD	1	12.893	119.75	115.44	107.96		0.541	1	7
gry_04	w2a_023	2669	9146	ARCD	1	0.594	45.89	44.59	43.22			0	Unknown
gry_04	w2a_023	2669	9147	ARCD	1	3.594	80.35	78.29	73.19			0	Unknown
gry_04	w2a_023	2669	9148	ARCD	1	5.176	86.69	84.29	78.91			0	Unknown
gry_04	w2a_023	2669	9149	ARCD	1	3.318	79.59	76.28	72.61			0	Unknown
gry_04	w2a_023	2669	9150	ARCD	1	4.992	88.44	86.04	81.26			0	Unknown
gry_04	w2a_023	2669	9151	ARCD	1	4.357	84.95	82.22	77.06			0	Unknown
gry_04	w2a_023	2669	9152	ARCD	1	4.802	89.98	88.27	82.01			0	Unknown
gry_04	w2a_023	2669	9153	ARCD	1	4.351	83.32	81.72	76.66			0	Unknown
gry_04	w2a_023	2669	9154	ARCD	1	3.789	80.56	78.96	73.45			0	Unknown
gry_04	w2a_023	2669	9155	ARCD	1	4.388	86.4	83.26	79.21			0	Unknown
gry_04	w2a_023	2669	9156	ARCD	1	3.825	82.6	80.55	75.95			0	Unknown
gry_04	w2a_023	2669	9157	ARCD	1	5.139	87.44	85.02	80.7			0	Unknown
gry_04	w2a_023	2669	9158	ARCD	1	4.908	83.24	81.08	76.33			0	Unknown
gry_04	w2a_023	2669	9159	ARCD	1	4.854	90.42	88.48	83.42			0	Unknown
gry_04	w2a_023	2669	9160	ARCD	1	6.047	97.4	92.95	87.01			0	Unknown
gry_04	w2a_023	2669	9161	ARCD	1	6.907	98.15	95.65	90.4			0	Unknown
gry_04	w2a_023	2669	9162	ARCD	1	5.473	92.15	89.86	84.23			0	Unknown
gry_04	w2a_023	2669	9163	ARCD	1	4.663	90.05	88.36	82.67			0	Unknown
gry_04	w2a_023	2669	9164	ARCD	1	6.549	100.96	97.45	91.77			0	Unknown
gry_hc2	w2a_027	3250	9165	ARCD	1	3.407	79.88	76.65	72.47		0.015	0	Unknown
gry_hc2	w2a_027	3250	9166	ARCD	1	4.691	84.18	80.61	75.94		0.067	2	1
gry_hc2	w2a_027	3250	9167	ARCD	1	4.093	85.52	82.29	77.53		0.012	0	Unknown
gry_hc2	w2a_027	3250	9168	ARCD	1	4.54	88.81	85.91	81.12		0.013	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3250	9169	ARCD	1	5.184	96.12	92.34	87.3		0.14	1	7
gry_hc2	w2a_027	3250	9170	ARCD	1	5.001	90.26	88.78	82.06		0.062	2	2
gry_hc2	w2a_027	3250	9171	ARCD	1	4.572	89.4	86.25	81.51		0.054	2	2
gry_hc2	w2a_027	3250	9172	ARCD	1	6.582	100.99	97.63	92.61		0.149	1	7
gry_hc2	w2a_027	3250	9173	ARCD	1	6.485	101.23	96.75	91.71		0.064	2	2
gry_hc2	w2a_027	3250	9174	ARCD	1	8.377	111.23	107	101.02		0.187	1	7
gry_hc2	w2a_027	3250	9175	ARCD	1	12.622	127.32	120.8	113.47		0.353	2	2
gry_hc2	w2a_027	3250	9176	ARCD	1	16.502	138.87	134.02	125.92		0.523	2	2
gry_hc2	w2a_027	3250	9177	ARCD	1	2.306	70.67	67.91	64.62			n/a	
gry_hc2	w2a_027	3250	9178	ARCD	1	2.04	68.43	65.25	61.73			0	Unknown
gry_hc2	w2a_027	3250	9179	ARCD	1	4.578	88.87	85.36	80.2			0	Unknown
gry_hc2	w2a_027	3250	9180	ARCD	1	4.1	87.21	84.82	80.19			0	Unknown
gry_hc2	w2a_027	3250	9181	ARCD	1	5.325	95.5	91.4	86.68			0	Unknown
gry_hc2	w2a_027	3250	9182	ARCD	1	7.377	100.56	97.73	87.34			0	Unknown
gry_hc2	w2a_027	3250	9183	ARCD	1	7.614	106.52	101.55	96.58			0	Unknown
gry_hc2	w2a_027	3250	9184	ARCD	1	15.717	133.52	129.06	121.99			0	Unknown
gry_hc2	w2a_027	3251	9185	ARCD	1	14.964	123.67	119.31	112.09		0.944	1	7
gry_hc2	w2a_027	3251	9186	ARCD	1	8.61	111.36	108.68	101.57		0.075	1	6
gry_hc2	w2a_027	3251	9187	ARCD	1	10.296	116.09	112.58	106.36		0.431	1	7
gry_hc2	w2a_027	3251	9188	ARCD	1	6.776	105.57	100.99	96.03		0.021	1	6
gry_hc2	w2a_027	3251	9189	ARCD	1	6.068	98.65	94.27	90.08		0.063	2	1
gry_hc2	w2a_027	3251	9190	ARCD	1	6.409	98.33	95.21	89.68		0.062	2	1
gry_hc2	w2a_027	3251	9191	ARCD	1	4.809	91.28	88.93	83.94		0.028	1	6
gry_hc2	w2a_027	3251	9192	ARCD	1	5.198	97.25	93.78	87.45		0.13	1	6
gry_hc2	w2a_027	3251	9193	ARCD	1	4.919	84.04	81.57	76.15		0.06	1	6
gry_hc2	w2a_027	3251	9194	ARCD	1	2.872	77.21	75.11	69.76		0.01	1	6
gry_hc2	w2a_027	3251	9195	ARCD	1	4.383	90.06	87.54	82.57		0.051	2	1
gry_hc2	w2a_027	3251	9196	ARCD	1	4.095	85.98	83.09	79.07		0.044	2	1
gry_hc2	w2a_027	3251	9197	ARCD	1	6.921	103.31	99.8	93.63		0.064	2	1
gry_hc2	w2a_027	3251	9198	ARCD	1	6.54	101.83	99.28	91.96		0.076	2	1
gry_hc2	w2a_027	3251	9199	ARCD	1	6.786	103.31	100.37	94.12		0.114	2	1
gry_hc2	w2a_027	3251	9200	ARCD	1	4.968	89.84	87.08	81.83		0.135	1	7
gry_hc2	w2a_027	3251	9201	ARCD	1	4.907	91.55	88.27	83.6		0.079	2	1
gry_hc2	w2a_027	3251	9202	ARCD	1	4.204	87.35	84.63	80.12		0.068	1	6
gry_hc2	w2a_027	3251	9203	ARCD	1	4.872	91.3	87.89	84		0.06	1	6
gry_hc2	w2a_027	3251	9204	ARCD	1	3.516	85.24	83.43	78.86		0.05	2	1
gry_hc2	w2a_027	3252	9205	ARCD	1	3.999	85.98	83.49	78.02		0.066	1	7
gry_hc2	w2a_027	3252	9206	ARCD	1	5.885	100.06	96.6	90.28		0.065	2	1
gry_hc2	w2a_027	3252	9207	ARCD	1	4.218	90.13	86.42	83.48		0.03	2	1
gry_hc2	w2a_027	3252	9208	ARCD	1	3.745	83.15	79.52	75.42		0.035	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3252	9209	ARCD	1	6.015	97.94	95.43	89.64		0.226	1	7
gry_hc2	w2a_027	3252	9210	ARCD	1	4.221	91.23	88.05	82.85		0.012	1	6
gry_hc2	w2a_027	3252	9211	ARCD	1	5.893	100.59	94.51	89.77		0.067	2	1
gry_hc2	w2a_027	3252	9212	ARCD	1	5.798	98.89	94.87	90.12		0.058	2	2
gry_hc2	w2a_027	3252	9213	ARCD	1	5.666	100.17	95.64	89.54		0.074	2	2
gry_hc2	w2a_027	3252	9214	ARCD	1	7.559	104.2	99.83	94.95		0.39	1	7
gry_hc2	w2a_027	3252	9215	ARCD	1	7.919	107.13	104.07	98.22		0.146	2	2
gry_hc2	w2a_027	3252	9216	ARCD	1	12.554	128.42	124.08	115.19		0.418	1	7
gry_hc2	w2a_027	3252	9217	ARCD	1	3.748	78.47	75.11	72.5			n/a	
gry_hc2	w2a_027	3252	9218	ARCD	1	5.264	92.91	89.84	83.47			n/a	
gry_hc2	w2a_027	3252	9219	ARCD	1	4.755	92.32	87.07	83.7			n/a	
gry_hc2	w2a_027	3252	9220	ARCD	1	4.189	86.27	83.57	79.97			n/a	
gry_hc2	w2a_027	3252	9221	ARCD	1	5.831	97.46	93.87	89.58			n/a	
gry_hc2	w2a_027	3252	9222	ARCD	1	6.244	96.29	91.8	88.12			n/a	
gry_hc2	w2a_027	3252	9223	ARCD	1	5.07	92.79	88.6	83.8			n/a	
gry_hc2	w2a_027	3252	9224	ARCD	1	19.784	146.44	143.01	132.9			n/a	
gry_hc2	w2a_027	3253	9225	ARCD	1	2.928	78.55	75.38	71.09		0.054	0	Unknown
gry_hc2	w2a_027	3253	9226	ARCD	1	4.684	86.55	84.01	78.66		0.054	1	6
gry_hc2	w2a_027	3253	9227	ARCD	1	4.892	92.45	88.89	82.79		0.05	2	1
gry_hc2	w2a_027	3253	9228	ARCD	1	4.297	87.01	83.34	78.41		0.055	2	1
gry_hc2	w2a_027	3253	9229	ARCD	1	6.225	97.61	94.43	87.67		0.077	2	1
gry_hc2	w2a_027	3253	9230	ARCD	1	6.162	101.35	98.3	92.16		0.06	2	1
gry_hc2	w2a_027	3253	9231	ARCD	1	7.552	106.45	103.1	96.45		0.32	1	7
gry_hc2	w2a_027	3253	9232	ARCD	1	7.322	105.94	101.9	95.1		0.135	1	7
gry_hc2	w2a_027	3253	9233	ARCD	1	8.245	112.68	106.57	102.95		0.02	0	Unknown
gry_hc2	w2a_027	3253	9234	ARCD	1	10.544	114.92	110.79	103.36		0.326	1	7
gry_hc2	w2a_027	3253	9235	ARCD	1	10.407	120.58	115.48	110.18		0.272	2	2
gry_hc2	w2a_027	3253	9236	ARCD	1	11.42	119.31	115.07	108.79		0.406	1	7
gry_hc2	w2a_027	3253	9237	ARCD	1	2.29	72.02	68.42	64.69		0.015	0	Unknown
gry_hc2	w2a_027	3253	9238	ARCD	1	4.431	88.88	82.14	79.4		0.072	1	6
gry_hc2	w2a_027	3253	9239	ARCD	1	5.158	92.85	90.09	84.4		0.113	1	6
gry_hc2	w2a_027	3253	9240	ARCD	1	5.803	98.57	95.99	91.57		0.017	0	Unknown
gry_hc2	w2a_027	3253	9241	ARCD	1	7.085	102.45	97.6	92.23		0.178	1	7
gry_hc2	w2a_027	3253	9242	ARCD	1	7.3	102.81	97.5	92.77		0.087	2	2
gry_hc2	w2a_027	3253	9243	ARCD	1	10.191	114.95	110.07	102.72		0.395	1	7
gry_hc2	w2a_027	3253	9244	ARCD	1	17.12	138.46	133.42	124.59		0.51	2	2
gry_hc2	w2a_027	3254	9245	ARCD	1	4.95	87.51	84.45	79.91		0.147	1	7
gry_hc2	w2a_027	3254	9246	ARCD	1	5.49	92.75	90.27	83.97		0.02	1	6
gry_hc2	w2a_027	3254	9247	ARCD	1	5.02	89.6	86.91	82.54		0.012	0	Unknown
gry_hc2	w2a_027	3254	9248	ARCD	1	7.41	106.08	104.31	96.52		0.205	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3254	9249	ARCD	1	7.07	101.43	98.51	91.79		0.058	2	1
gry_hc2	w2a_027	3254	9250	ARCD	1	3.461	83.96	80.93	75.7		0.026	1	6
gry_hc2	w2a_027	3254	9251	ARCD	1	6.08	98.58	95.8	89.65		0.032	2	1
gry_hc2	w2a_027	3254	9252	ARCD	1	9.18	113.06	109.57	101.52		0.06	2	1
gry_hc2	w2a_027	3254	9253	ARCD	1	3.13	76.99	74.31	69.75		0.014	0	Unknown
gry_hc2	w2a_027	3254	9254	ARCD	1	6.81	107.21	103.8	97.26		0.034	2	1
gry_hc2	w2a_027	3254	9255	ARCD	1	19.52	136.56	132.13	122.47		0.95	1	7
gry_hc2	w2a_027	3254	9256	ARCD	1	14.14	128.5	123.34	114.15		0.409	2	2
gry_hc2	w2a_027	3254	9257	ARCD	1	9.95	117.92	114.54	107.63			0	Unknown
gry_hc2	w2a_027	3254	9258	ARCD	1	14.91	136.57	131.12	123.15			0	Unknown
gry_hc2	w2a_027	3254	9259	ARCD	1	7.69	103.24	100.33	94.36			0	Unknown
gry_hc2	w2a_027	3254	9260	ARCD	1	6.56	97.5	94.61	87.64			0	Unknown
gry_hc2	w2a_027	3254	9261	ARCD	1	5.58	93.23	91	84.02			0	Unknown
gry_hc2	w2a_027	3254	9262	ARCD	1	3.34	80.62	78.53	73.86			0	Unknown
gry_hc2	w2a_027	3254	9263	ARCD	1	6.96	101.7	99.25	92.36			0	Unknown
gry_hc2	w2a_027	3254	9264	ARCD	1	5.85	96.34	93.09	87.15			0	Unknown
gry_hc2	w2a_027	3255	9265	ARCD	1	13.56	129.12	122.94	116.23		0.283	2	2
gry_hc2	w2a_027	3255	9266	ARCD	1	7.58	102.08	99.1	93.32		0.087	2	1
gry_hc2	w2a_027	3255	9267	ARCD	1	6.35	101.06	98.74	92.06		0.202	1	7
gry_hc2	w2a_027	3255	9268	ARCD	1	5.63	96.25	92.7	87.39		0.053	2	1
gry_hc2	w2a_027	3255	9269	ARCD	1	5.29	96.91	94.28	87.36		0.069	2	1
gry_hc2	w2a_027	3255	9270	ARCD	1	5.27	90.8	89.03	82.76		0.112	1	6
gry_hc2	w2a_027	3255	9271	ARCD	1	5.31	93.5	90.19	84.54		0.065	2	1
gry_hc2	w2a_027	3255	9272	ARCD	1	3.97	87.9	84.23	78.72		0.027	2	1
gry_hc2	w2a_027	3255	9273	ARCD	1	4.9	84.27	82.57	77.05		0.027	1	6
gry_hc2	w2a_027	3255	9274	ARCD	1	3.9	81.29	78.55	73.64		0.008	1	6
gry_hc2	w2a_027	3255	9275	ARCD	1	4.39	81.26	78.7	73.99		0.042	1	6
gry_hc2	w2a_027	3255	9276	ARCD	1	3.99	83.18	79.89	75.83		0.047	1	6
gry_hc2	w2a_027	3255	9277	ARCD	1	8.52	110.41	107.04	100.13			n/a	
gry_hc2	w2a_027	3255	9278	ARCD	1	6.22	99.34	95.01	89.72			n/a	
gry_hc2	w2a_027	3255	9279	ARCD	1	5.5	95.73	93.5	87.99			n/a	
gry_hc2	w2a_027	3255	9280	ARCD	1	5.72	96.34	93.93	87.7			n/a	
gry_hc2	w2a_027	3255	9281	ARCD	1	5.32	91.14	88.35	82.46			n/a	
gry_hc2	w2a_027	3255	9282	ARCD	1	4.48	88.69	87.09	81.31			n/a	
gry_hc2	w2a_027	3255	9283	ARCD	1	4.69	84.32	80.45	76.1			n/a	
gry_hc2	w2a_027	3255	9284	ARCD	1	3.63	79.66	77.91	72.91			n/a	
gry_hc2	w2a_027	3256	9285	ARCD	1	12.555	126.77	123.4	113.07		0.667	1	7
gry_hc2	w2a_027	3256	9286	ARCD	1	7.587	104.76	101.32	95.95		0.31	1	7
gry_hc2	w2a_027	3256	9287	ARCD	1	4.812	91.28	88.16	82.27		0.104	1	7
gry_hc2	w2a_027	3256	9288	ARCD	1	6.116	99.74	96.96	89.83		0.077	2	2

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3256	9289	ARCD	1	6.32	96.23	93.2	87.38		0.254	1	7
gry_hc2	w2a_027	3256	9290	ARCD	1	5.8	94.87	91.35	86.21		0.13	1	7
gry_hc2	w2a_027	3256	9291	ARCD	1	5.871	101.26	95.33	89.49		0.072	2	2
gry_hc2	w2a_027	3256	9292	ARCD	1	4.805	90.72	86.8	80.82		0.055	2	2
gry_hc2	w2a_027	3256	9293	ARCD	1	4.197	87.36	85.29	80.15		0.047	2	2
gry_hc2	w2a_027	3256	9294	ARCD	1	4.247	85.14	81.96	76.88		0.069	1	7
gry_hc2	w2a_027	3256	9295	ARCD	1	3.341	79.78	77.66	72.28		0.045	1	6
gry_hc2	w2a_027	3256	9296	ARCD	1	4.371	86.77	83.76	79.19		0.088	1	7
gry_hc2	w2a_027	3256	9297	ARCD	1	13.2	124.89	120.09	112.46			0	Unknown
gry_hc2	w2a_027	3256	9298	ARCD	1	6.55	104.91	101.94	95.79			0	Unknown
gry_hc2	w2a_027	3256	9299	ARCD	1	5.69	90.85	88.5	83.39			0	Unknown
gry_hc2	w2a_027	3256	9300	ARCD	1	6.41	99.86	97.33	91.18			0	Unknown
gry_hc2	w2a_027	3256	9301	ARCD	1	4.04	87.57	86.01	80.63			0	Unknown
gry_hc2	w2a_027	3256	9302	ARCD	1	4.34	85.3	82.58	78.72			0	Unknown
gry_hc2	w2a_027	3256	9303	ARCD	1	3.74	82.38	79	73.97			0	Unknown
gry_hc2	w2a_027	3256	9304	ARCD	1	2.71	77.93	75.51	71.26			0	Unknown
gry_hc2	w2a_027	3257	9305	ARCD	1	8.519	117.66	109.27	105.75		0.111	2	2
gry_hc2	w2a_027	3257	9306	ARCD	1	5.996	99.35	96.2	90.56		0.052	2	2
gry_hc2	w2a_027	3257	9307	ARCD	1	7.03	106.38	101.19	94.78		0.244	1	7
gry_hc2	w2a_027	3257	9308	ARCD	1	6.214	99.53	94.71	90.35		0.075	2	2
gry_hc2	w2a_027	3257	9309	ARCD	1	7.121	110.09	106.43	99.09		0.098	2	2
gry_hc2	w2a_027	3257	9310	ARCD	1	6.24	101.55	98.37	93.14		0.095	2	2
gry_hc2	w2a_027	3257	9311	ARCD	1	4.377	86.06	83.35	79.07		0.095	2	2
gry_hc2	w2a_027	3257	9312	ARCD	1	4.73	88.62	85.03	79.22		0.052	2	1
gry_hc2	w2a_027	3257	9313	ARCD	1	4.032	90.78	87.45	83.08		0.012	1	6
gry_hc2	w2a_027	3257	9314	ARCD	1	3.583	83.74	80.56	75.11		0.001	0	Unknown
gry_hc2	w2a_027	3257	9315	ARCD	1	2.918	78.12	75.35	70.79		0.066	1	6
gry_hc2	w2a_027	3257	9316	ARCD	1	3.601	84.61	82.07	76.67		0.036	2	1
gry_hc2	w2a_027	3257	9317	ARCD	1	13.404	130.35	124.52	117.42			n/a	
gry_hc2	w2a_027	3257	9318	ARCD	1	7.539	106.51	103.04	96.71			n/a	
gry_hc2	w2a_027	3257	9319	ARCD	1	5.707	100.58	95.19	92.32			n/a	
gry_hc2	w2a_027	3257	9320	ARCD	1	5.358	91.64	88.17	84.17			n/a	
gry_hc2	w2a_027	3257	9321	ARCD	1	4.045	88.16	85.34	80.94			n/a	
gry_hc2	w2a_027	3257	9322	ARCD	1	6.153	98.51	92.85	87.87			n/a	
gry_hc2	w2a_027	3257	9323	ARCD	1	5.21	96.35	92.86	86.23			n/a	
gry_hc2	w2a_027	3257	9324	ARCD	1	2.737	80.15	76.01	71.76			n/a	
dal_hc5	w2a_035	4991	9325	ARCD	1	15.13	136.3	128.83	117.08		0.49	1	7
dal_hc5	w2a_035	4991	9326	ARCD	1	13.87	131.66	124.08	115.37		1.091	1	7
dal_hc5	w2a_035	4991	9327	ARCD	1	9.78	111.34	105.92	101.18		0.296	1	7
dal_hc5	w2a_035	4991	9328	ARCD	1	10.29	119.47	116.85	109.23		0.229	2	2

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	w2a_035	4991	9329	ARCD	1	8.93	113.11	108.07	103.62		0.226	2	2
dal_hc5	w2a_035	4991	9330	ARCD	1	10.45	118.26	113.13	105.46		0.407	1	7
dal_hc5	w2a_035	4991	9331	ARCD	1	8.32	114.36	108.94	103.23		0.226	1	7
dal_hc5	w2a_035	4991	9332	ARCD	1	4.98	96.68	93.85	89.38		0.058	1	6
dal_hc5	w2a_035	4991	9333	ARCD	1	4.54	90.59	88.2	82.97		0.098	1	6
dal_hc5	w2a_035	4991	9334	ARCD	1	22.38	156.1	149.81	141.97		0.65	2	2
dal_hc5	w2a_035	4991	9335	ARCD	1	6.1	100.2	97.42	90.76		0.084	2	1
dal_hc5	w2a_035	4991	9336	ARCD	1	6.21	102.09	99	93.27		0.081	2	1
dal_hc5	w2a_035	4991	9337	ARCD	1	14.27	126.13	121.21	118.3			0	Unknown
dal_hc5	w2a_035	4991	9338	ARCD	1	14.18	128.07	123.24	118.01			0	Unknown
dal_hc5	w2a_035	4991	9339	ARCD	1	11.58	121.71	118.31	111.18			0	Unknown
dal_hc5	w2a_035	4991	9340	ARCD	1	7.61	103.57	100.95	94.57			0	Unknown
dal_hc5	w2a_035	4991	9341	ARCD	1	8.14	110.05	105.62	100.81			0	Unknown
dal_hc5	w2a_035	4991	9342	ARCD	1	6.74	101.62	98.8	92.54			0	Unknown
dal_hc5	w2a_035	4991	9343	ARCD	1	6.19	101.6	94.88	94.61			0	Unknown
dal_hc5	w2a_035	4991	9344	ARCD	1	17.48	137.32	132.73	125.94		0.634	1	6.5
dal_hc5	w2a_035	4993	9345	ARCD	1	29.19	160.11	153.12	144.83		0.792	2	2
dal_hc5	w2a_035	4993	9346	ARCD	1	26.45	159.95	151.77	142.4		0.77	2	2
dal_hc5	w2a_035	4993	9347	ARCD	1	16.84	136.03	132.13	124.31		0.5	2	2
dal_hc5	w2a_035	4993	9348	ARCD	1	12.15	127.04		115.78		0.309	2	1
dal_hc5	w2a_035	4993	9349	ARCD	1	13.98	132.92	128.29	120.57		0.97	1	7
dal_hc5	w2a_035	4993	9350	ARCD	1	12.02	123.92	119.6	111.84		0.342	1	7
dal_hc5	w2a_035	4993	9351	ARCD	1	9.87	117.93	112.68	105.91		0.05	2	1
dal_hc5	w2a_035	4993	9352	ARCD	1	10.27	116.01	112.62	105.58		0.492	1	7
dal_hc5	w2a_035	4993	9353	ARCD	1	6.34	104.15	101.02	94.39		0.076	2	1
dal_hc5	w2a_035	4993	9354	ARCD	1	5.78	97.17	94.18	88.92		0.176	2	1
dal_hc5	w2a_035	4993	9355	ARCD	1	4.33	86.09	84.12	79.41		0.063	1	6
dal_hc5	w2a_035	4993	9356	ARCD	1	4.1	85.47	83.13	77.89		0.02	0	Unknown
dal_hc5	w2a_035	4993	9357	ARCD	1	35.7	162.38	156.08	145.18			n/a	
dal_hc5	w2a_035	4993	9358	ARCD	1	21.7	155.41	148.52	139.02			n/a	
dal_hc5	w2a_035	4993	9359	ARCD	1	10.57	123.09	117.1	112.83			n/a	
dal_hc5	w2a_035	4993	9360	ARCD	1	9.56	114.2	110.62	105.55			n/a	
dal_hc5	w2a_035	4993	9361	ARCD	1	13.32	124.42	118.87	114.06			n/a	
dal_hc5	w2a_035	4993	9362	ARCD	1	8.93	117.66	113.02	107.3			n/a	
dal_hc5	w2a_035	4993	9363	ARCD	1	4.92	88.34	86.05	80.89			n/a	
dal_hc5	w2a_035	4993	9364	ARCD	1	5.33	90.29	87.71	83.68			n/a	
dal_hc5	w2a_035	4994	9365	ARCD	1	40.39	190.43	181.72	170.37		2.379	1	7
dal_hc5	w2a_035	4994	9366	ARCD	1	14.884	128.86	122.82	113.87		1.418	1	7
dal_hc5	w2a_035	4994	9367	ARCD	1	14.074	127.31	123.23	115.86		0.403	2	2
dal_hc5	w2a_035	4994	9368	ARCD	1	12.811	128.52	125.33	117.1		0.69	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	w2a_035	4994	9369	ARCD	1	12.979	128.02	121.51	113.33		0.653	1	7
dal_hc5	w2a_035	4994	9370	ARCD	1	7.813	104.79	100.99	96.2		0.428	1	7
dal_hc5	w2a_035	4994	9371	ARCD	1	6.634	102.42	98.02	90.59		0.08	2	2
dal_hc5	w2a_035	4994	9372	ARCD	1	5.44	99.08	96	88.84		0.106	2	2
dal_hc5	w2a_035	4994	9373	ARCD	1	6.4	99.85	96.56	90.89		0.313	1	7
dal_hc5	w2a_035	4994	9374	ARCD	1	4.949	95.23	92.52	85.73		0.033	0	Unknown
dal_hc5	w2a_035	4994	9375	ARCD	1	4.694	90.64	88.04	83.34		0.135	1	7
dal_hc5	w2a_035	4994	9376	ARCD	1	4.421	88.06	84.68	79.86		0.096	1	7
dal_hc5	w2a_035	4994	9377	ARCD	1	18.668	146.11	140.13	131.97			n/a	
dal_hc5	w2a_035	4994	9378	ARCD	1	15.315	137.22	130.04	121.49			n/a	
dal_hc5	w2a_035	4994	9379	ARCD	1	11.27	119.09	114.69	106.65			n/a	
dal_hc5	w2a_035	4994	9380	ARCD	1	12.488	127.3	123.15	114.5			n/a	
dal_hc5	w2a_035	4994	9381	ARCD	1	10.163	112.2	107.53	101.53			n/a	
dal_hc5	w2a_035	4994	9382	ARCD	1	5.046	92.99	89.13	84.35			n/a	
dal_hc5	w2a_035	4994	9383	ARCD	1	6.103	98.1	94.25	89.34			n/a	
dal_hc5	w2a_035	4994	9384	ARCD	1	4.299	89.23	86.34	79.23			n/a	
dal_hc5	w2a_035	4996	9385	ARCD	1	29.745	163.14	157.03	148.44		0.679	2	2
dal_hc5	w2a_035	4996	9386	ARCD	1	17.731	121.96	118.48	113.25		1.407	1	7
dal_hc5	w2a_035	4996	9387	ARCD	1	16.089	133.96	130.44	123.18		1.332	1	7
dal_hc5	w2a_035	4996	9388	ARCD	1	19.058	144.8	137.39	129.85		0.511	2	2
dal_hc5	w2a_035	4996	9389	ARCD	1	12.432	126.93	121.64	115.47		0.501	1	7
dal_hc5	w2a_035	4996	9390	ARCD	1	15.394	126.4	121.98	114.95		1.067	1	7
dal_hc5	w2a_035	4996	9391	ARCD	1	11.643	126.51	123	116.18		0.314	2	2
dal_hc5	w2a_035	4996	9392	ARCD	1	8.529	111.49	106.6	99.96		0.243	2	2
dal_hc5	w2a_035	4996	9393	ARCD	1	12.85	127.15	119.83	114.8		0.405	1	7
dal_hc5	w2a_035	4996	9394	ARCD	1	5.75	98.27	96.2	89.42		0.075	2	1
dal_hc5	w2a_035	4996	9395	ARCD	1	3.531	82.33	80.4	76		0.032	1	6
dal_hc5	w2a_035	4996	9396	ARCD	1	2.36	73.77	71.33	66.76		0.018	2	2
dal_hc5	w2a_035	4996	9397	ARCD	1	14.194	134.89	130.32	123.03		0.53	2	2
dal_hc5	w2a_035	4996	9398	ARCD	1	14.042	133.11	127.3	121.4		0.722	1	7
dal_hc5	w2a_035	4996	9399	ARCD	1	11.487	120.4	115.46	109.03		0.282	2	2
dal_hc5	w2a_035	4996	9400	ARCD	1	11.457	124.19	118.93	111.36		0.279	2	2
dal_hc5	w2a_035	4996	9401	ARCD	1	6.158	100.42	98.42	92.98		0.074	2	1
dal_hc5	w2a_035	4996	9402	ARCD	1	4.14	87.99	85.12	80.07		0.04	2	1
dal_hc5	w2a_035	4996	9403	ARCD	1	6.407	95.62	92.83	87.6		0.214	1	7
dal_hc5	w2a_035	4996	9404	ARCD	1	2.895	82.7	80.42	74.88		0.01	2	1
dal_hc5	w2a_035	4999	9405	ARCD	1	22.098	156.59	150.8	142.49		0.573	2	2
dal_hc5	w2a_035	4999	9406	ARCD	1	14.346	123.21	118.29	111.22		0.822	1	7
dal_hc5	w2a_035	4999	9407	ARCD	1	16.059	130.78	125.93	119.05		0.501	2	2
dal_hc5	w2a_035	4999	9408	ARCD	1	13.083	127.39	121.2	115.01		0.715	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	w2a_035	4999	9409	ARCD	1	10.834	118.66	113.17	106.82		0.394	1	7
dal_hc5	w2a_035	4999	9410	ARCD	1	9.588	114.95	111	103.95		0.161	2	1
dal_hc5	w2a_035	4999	9411	ARCD	1	7.871	110.07	106.89	100.89		0.406	1	7
dal_hc5	w2a_035	4999	9412	ARCD	1	8.294	107.44	104.46	98.59		0.123	2	1
dal_hc5	w2a_035	4999	9413	ARCD	1	9.135	107.68	103.61	97.4		0.497	1	7
dal_hc5	w2a_035	4999	9414	ARCD	1	5.578	98.77	94.27	89.35		0.064	2	1
dal_hc5	w2a_035	4999	9415	ARCD	1	5.002	91.64	89.91	84.9		0.057	1	6
dal_hc5	w2a_035	4999	9416	ARCD	1	2.231	74.01	71.61	67.37		0.027	2	1
dal_hc5	w2a_035	4999	9417	ARCD	1	14.976	134.98	127.91	120.87			n/a	
dal_hc5	w2a_035	4999	9418	ARCD	1	13.748	131.41	129.69	120.03			n/a	
dal_hc5	w2a_035	4999	9419	ARCD	1	13.024	123.56	118.35	110.5			n/a	
dal_hc5	w2a_035	4999	9420	ARCD	1	7.21	104.28	100.58	95.51			n/a	
dal_hc5	w2a_035	4999	9421	ARCD	1	7.633	104.55	101.31	95.96			n/a	
dal_hc5	w2a_035	4999	9422	ARCD	1	5.716	95.54	92.6	86.31			n/a	
dal_hc5	w2a_035	4999	9423	ARCD	1	6.468	98.43	95.85	90.63			n/a	
dal_hc5	w2a_035	4999	9424	ARCD	1	3.584	84.8	82.67	77.69			n/a	
dal_hc5	w2a_035	5000	9425	ARCD	1	23.921	149.32	141.95	134.26		0.845	1	7
dal_hc5	w2a_035	5000	9426	ARCD	1	20.523	122.84				0.709	1	7
dal_hc5	w2a_035	5000	9427	ARCD	1	6.167	98.79	94.83	89.36		0.274	1	7
dal_hc5	w2a_035	5000	9428	ARCD	1	5.688	95.96	93	86.06		0.175	2	2
dal_hc5	w2a_035	5000	9429	ARCD	1	4.426	90.88	89.17	84.72		0.12	2	2
dal_hc5	w2a_035	5000	9430	ARCD	1	6.467	111.54	107.49	99.17			0	Unknown
dal_hc5	w2a_035	5000	9431	ARCD	1	4.351	95.34	92.75	86.59		0.015	0	Unknown
dal_hc5	w2a_035	5000	9432	ARCD	1	4.694	84.95	81.68	75.6		0.152	1	7
dal_hc5	w2a_035	5000	9433	ARCD	1	3.593	84.95	82.07	78.88		0.039	2	1
dal_hc5	w2a_035	5000	9434	ARCD	1	3.337	86.62	83.7	78.76		0.013	1	6
dal_hc5	w2a_035	5000	9435	ARCD	1	2.591	77.38	75.52	71.1		0.023	1	6
dal_hc5	w2a_035	5000	9436	ARCD	1	2.068	71.22	68.4	65.6		0.015	2	1
tbs_04	w2a_031	3963	9437	ARCD	1	10.574	115.7	111.16	104.37		0.221	2	2
tbs_04	w2a_031	3963	9438	ARCD	1	6.435	103.15	100.2	92.99		0.09	2	1
tbs_04	w2a_031	3963	9439	ARCD	1	21.533	148.13	141.71	133.11		0.545	1	7
tbs_04	w2a_031	3963	9440	ARCD	1	15.044	130.92	126.13	119.63		0.448	1	7
tbs_04	w2a_031	3963	9441	ARCD	1	11.975	124.05	120.59	113.28		0.619	1	7
tbs_04	w2a_031	3963	9442	ARCD	1	12.132	123.52	118.66	110.41		0.351	2	2
tbs_04	w2a_031	3963	9443	ARCD	1	10.68	126.11	120.7	114.08		0.307	2	2
tbs_04	w2a_031	3963	9444	ARCD	1	11.256	120.89	116.11	109.88		0.269	2	2
tbs_04	w2a_031	3963	9445	ARCD	1	9.882	113.46	110.11	102.95		0.292	2	2
tbs_04	w2a_031	3963	9446	ARCD	1	7.687	103.94	100.48	93.86		0.281	1	7
tbs_04	w2a_031	3963	9447	ARCD	1	6.483	98.09	93.99	89.31		0.045	1	6
tbs_04	w2a_031	3963	9448	ARCD	1	4.001	85.5	82.82	79		0.036	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031	3963	9449	ARCD	1	12.26	125.62	121.78	115.03			n/a	
tbs_04	w2a_031	3963	9450	ARCD	1	10.66	109.92	105.46	99.31			n/a	
tbs_04	w2a_031	3963	9451	ARCD	1	12.186	126.89	120.74	114.28			n/a	
tbs_04	w2a_031	3963	9452	ARCD	1	10.733	119.21	116.46	110.66			n/a	
tbs_04	w2a_031	3963	9453	ARCD	1	6.138	97.06	94.25	88.65			n/a	
tbs_04	w2a_031	3963	9454	ARCD	1	6.737	102	98.09	93.28			n/a	
tbs_04	w2a_031	3963	9455	ARCD	1	7.055	103.88	100.23	94.55			n/a	
tbs_04	w2a_031	3963	9456	ARCD	1	5.78	97.19	94.64	87.99			n/a	
tbs_04	w2a_031	3964	9457	ARCD	1	17.47	141.97	137.65	127.66		0.457	2	2
tbs_04	w2a_031	3964	9458	ARCD	1	11.14	124.79	118.04	110.22		0.176	1	7
tbs_04	w2a_031	3964	9459	ARCD	1	10.06	117.3	111.73	104.89		0.413	1	7
tbs_04	w2a_031	3964	9460	ARCD	1	9.74	118.06	113.42	106.33		0.078	1	6
tbs_04	w2a_031	3964	9461	ARCD	1	9.25	110.79	106.39	99.69		0.391	1	7
tbs_04	w2a_031	3964	9462	ARCD	1	6.18	102.21	99.7	92.1		0.115	2	1
tbs_04	w2a_031	3964	9463	ARCD	1	7.61	102.51	98.64	91.78		0.044	1	6
tbs_04	w2a_031	3964	9464	ARCD	1	6.46	95.89	93.75	87.52		0.097	2	1
tbs_04	w2a_031	3964	9465	ARCD	1	6.12	96.1	92.01	86.24		0.145	1	6
tbs_04	w2a_031	3964	9466	ARCD	1	6.49	94.11	91.28	85.19		0.063	1	6
tbs_04	w2a_031	3964	9467	ARCD	1	6.196	100.42	96.26	90.62		0.31	1	7
tbs_04	w2a_031	3964	9468	ARCD	1	4.74	89.9	86.72	82.32		0.092	1	6
tbs_04	w2a_031	3964	9469	ARCD	1	3.95	86.37	83.9	77.24			n/a	
tbs_04	w2a_031	3964	9470	ARCD	1	5.01	93.59	91.84	85.52			n/a	
tbs_04	w2a_031	3964	9471	ARCD	1	4.54	89.78	86.65	81.45			n/a	
tbs_04	w2a_031	3964	9472	ARCD	1	5.44	97.72	94.12	88.25			n/a	
tbs_04	w2a_031	3964	9473	ARCD	1	7.4	108.66		99.39			n/a	
tbs_04	w2a_031	3964	9474	ARCD	1	8.94	110.34	105.46	100.42			n/a	
tbs_04	w2a_031	3964	9475	ARCD	1	10.77	120.36	115.77	108.63			n/a	
tbs_04	w2a_031	3964	9476	ARCD	1	15.28	135.71	131.49	121.32			n/a	
tbs_04	w2a_031	3968	9477	ARCD	1	24.04	158.71	150.66	142.51		1.232	1	7
tbs_04	w2a_031	3968	9478	ARCD	1	3.6	84.45	81.39	76.74		0.033	2	1
tbs_04	w2a_031	3968	9479	ARCD	1	13.17	127.91	123.71	116.28		0.326	2	2
tbs_04	w2a_031	3968	9480	ARCD	1	3.69	136.8		125.88		0.406	2	2
tbs_04	w2a_031	3968	9481	ARCD	1	11.46	120.55	116.29	108.47		0.65	1	7
tbs_04	w2a_031	3968	9482	ARCD	1	8.69	106.22	101.95	95.04		0.165	2	1
tbs_04	w2a_031	3968	9483	ARCD	1	6.98	102.55		93.99		0.24	1	7
tbs_04	w2a_031	3968	9484	ARCD	1	9.301	109.98	104.74	102.03		0.511	1	7
tbs_04	w2a_031	3968	9485	ARCD	1	6.33	102.19	98.66	92.72		0.032	2	1
tbs_04	w2a_031	3968	9486	ARCD	1	5.31	93.27	90.47	84.67		0.013	1	6
tbs_04	w2a_031	3968	9487	ARCD	1	5.22	92.28	89.36	83.66		0.004	1	6
tbs_04	w2a_031	3968	9488	ARCD	1	3.61	83.59		75.87		0.049	0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031	3968	9489	ARCD	1	16.93	140.59	135.91	127.35			0	Unknown
tbs_04	w2a_031	3968	9490	ARCD	1	9.24	120.66	117.22	108.99			0	Unknown
tbs_04	w2a_031	3968	9491	ARCD	1	8.78						0	Unknown
tbs_04	w2a_031	3968	9492	ARCD	1	7.84						0	Unknown
tbs_04	w2a_031	3968	9493	ARCD	1	8.15	100.39	96.48	92.16			0	Unknown
tbs_04	w2a_031	3968	9494	ARCD	1	6.08	100.91	97.3	91.93			0	Unknown
tbs_04	w2a_031	3968	9495	ARCD	1	3.7	84.49		77.51			0	Unknown
tbs_04	w2a_031	3968	9496	ARCD	1	5.78	93.32	91.14	85.35			0	Unknown
tbs_04	w2a_031	3969	9497	ARCD	1	33.721	188.9	177.78	168.26		1.497	1	7
tbs_04	w2a_031	3969	9498	ARCD	1	19.154	139.27	134.96	126.87		0.826	1	7
tbs_04	w2a_031	3969	9499	ARCD	1	16.964	135.51	129.13	120.07		0.238	2	2
tbs_04	w2a_031	3969	9500	ARCD	1	16.384	133.89	131.45	124.11		0.642	1	7
tbs_04	w2a_031	3969	9501	ARCD	1	11.221	127.14	124.53	116.86		0.503	1	7
tbs_04	w2a_031	3969	9502	ARCD	1	10.008	118.61	114.67	106.83		0.521	1	7
tbs_04	w2a_031	3969	9503	ARCD	1	9.318	112.44	109.73	103.32		0.105	2	1
tbs_04	w2a_031	3969	9504	ARCD	1	8.917	104.62	102.91	97.98		0.71	1	7
tbs_04	w2a_031	3969	9505	ARCD	1	8.559	103.69	101.54	95.27		0.223	1	7
tbs_04	w2a_031	3969	9506	ARCD	1	6.989	99.12	97.38	91.75			n/a	
tbs_04	w2a_031	3969	9507	ARCD	1	5.767	99.6	97.01	90.9		0.057	1	7
tbs_04	w2a_031	3969	9508	ARCD	1	5.535	99.34	94.93	90.23		0.02	2	1
tbs_04	w2a_031	3969	9509	ARCD	1	12.127	131.18	127.14	120.37			n/a	
tbs_04	w2a_031	3969	9510	ARCD	1	12.468	122.8	118.18	111.49			n/a	
tbs_04	w2a_031	3969	9511	ARCD	1	10.064	113.65	109.89	103.66			n/a	
tbs_04	w2a_031	3969	9512	ARCD	1	10.161	115.63	110.77	104.82			n/a	
tbs_04	w2a_031	3969	9513	ARCD	1	6.279	101.18	98.9	92.39			n/a	
tbs_04	w2a_031	3969	9514	ARCD	1	7.515	107.26	104.13	98.64			n/a	
tbs_04	w2a_031	3969	9515	ARCD	1	7.733	108.34	104.93	98.48			n/a	
tbs_04	w2a_031	3969	9516	ARCD	1	5.111	95.89	93.28	87.5			n/a	
kug_hc3	w2a_018	2077	9517	ARCD	1	15.27	139.52	136.07	123.67		0.221	1	7
kug_hc3	w2a_018	2077	9518	ARCD	1	8.536	115.83	112.05	106.02		0.068	1	6
kug_hc3	w2a_018	2077	9519	ARCD	1	8.081	109.41	106.21	99.73		0.161	1	7
kug_hc3	w2a_018	2077	9520	ARCD	1	6.729	99.35	96	89.77		0.05	1	6
kug_hc3	w2a_018	2077	9521	ARCD	1	3.858	84.64	82.33	76.57		0.05	1	6
kug_hc3	w2a_018	2077	9522	ARCD	1	3.689	83.3	80.24	75.26		0.038	1	6
kug_hc3	w2a_018	2077	9523	ARCD	1	4.453	90	86.99	80.25		0.126	1	7
kug_hc3	w2a_018	2077	9524	ARCD	1	4.162	93.84	91.19	85.48		0.014	0	Unknown
kug_hc3	w2a_018	2077	9525	ARCD	1	2.284	71.52	69.1	65.78		0.001	0	Unknown
kug_hc3	w2a_018	2077	9526	ARCD	1	4.086	89.35	86.09	80.36		0.076	1	6
kug_hc3	w2a_018	2077	9527	ARCD	1	2.739	77.53	75.12	70.13		0.01	0	Unknown
kug_hc3	w2a_018	2077	9528	ARCD	1	2.073	70.61	68.82	63.8		0.012	0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2077	9529	ARCD	1	13.177	133.01	128.35	121.3			n/a	
kug_hc3	w2a_018	2077	9530	ARCD	1	10.92	123.18	117.77	111.37			n/a	
kug_hc3	w2a_018	2077	9531	ARCD	1	4.451	89.88	86.39	80.96			n/a	
kug_hc3	w2a_018	2077	9532	ARCD	1	4.954	93.23	89.68	84.06			n/a	
kug_hc3	w2a_018	2077	9533	ARCD	1	5.939	98.11	96.12	89.66			n/a	
kug_hc3	w2a_018	2077	9534	ARCD	1	5.128	97.23	94.46	88.34			n/a	
kug_hc3	w2a_018	2077	9535	ARCD	1	5.121	90.77	88.24	82.64			n/a	
kug_hc3	w2a_018	2077	9536	ARCD	1	5.144	94.45	91.87	85.35		0.025	1	6
kug_hc1	mwt_005	1826	9537	ARCD	1	0.427	43.3	42	39.34			n/a	
kug_hc1	mwt_005	1826	9538	ARCD	1	0.464	43.92	42.5	39.58			n/a	
kug_hc1	mwt_005	1826	9539	ARCD	1	0.792	51.69	48.9	46.45			n/a	
kug_hc1	mwt_005	1826	9540	ARCD	1	0.537	46.36	44.62	42.35			n/a	
kug_hc1	mwt_005	1826	9541	ARCD	1	0.551	44.67	42.09	40.09			n/a	
kug_hc1	mwt_005	1826	9542	ARCD	1	0.375	41.38	39.99	38.42			n/a	
kug_hc1	mwt_005	1826	9543	ARCD	1	0.348	40.71	38.9	36.31			n/a	
kug_hc1	mwt_005	1826	9544	ARCD	1	0.718	46.82	45.32	42.24			n/a	
kug_hc1	mwt_005	1826	9545	ARCD	1	0.447	41.02	39.05	36.97			n/a	
kug_hc1	mwt_005	1826	9546	ARCD	1	1.183	57	54.61	51.11			n/a	
kug_hc1	mwt_005	1826	9547	ARCD	1	0.672	47.22	45.01	42.78			n/a	
kug_hc1	mwt_005	1826	9548	ARCD	1	0.775	49.11	46.66	44.43			n/a	
kug_hc1	mwt_005	1826	9549	ARCD	1	0.411	41.98	40.59	37.53			n/a	
kug_hc1	mwt_005	1826	9550	ARCD	1	0.501	44.18	42.31	40.3			n/a	
kug_hc1	mwt_005	1826	9551	ARCD	1	0.715	50.76	49.32	46.7			n/a	
kug_hc1	mwt_005	1826	9552	ARCD	1	0.567	45.69	43.93	41.71			n/a	
kug_hc1	mwt_005	1826	9553	ARCD	1	0.325	39.99	38.75	37.13			n/a	
kug_hc1	mwt_005	1826	9554	ARCD	1	0.576	49.64	47.65	44.77			n/a	
kug_hc1	mwt_005	1826	9555	ARCD	1	0.59	43.16	41.87	39.71			n/a	
kug_hc1	mwt_005	1826	9556	ARCD	1	0.317	39.36	37.73	36.22			n/a	
kug_hc3	w2a_019	2108	9557	ARCD	1	30.396	163.92	157.7	147.25		1.803	1	7
kug_hc3	w2a_019	2108	9558	ARCD	1	14.97	135.73	130.11	120.8		0.253	2	2
kug_hc3	w2a_019	2108	9559	ARCD	1	11.261	121.58	116.82	111.31		0.467	1	7
kug_hc3	w2a_019	2108	9560	ARCD	1	11.403	124	118.87	110.71		0.39	1	7
kug_hc3	w2a_019	2108	9561	ARCD	1	7.038	102.7	99.34	93.25		0.183	1	7
kug_hc3	w2a_019	2108	9562	ARCD	1	7.179	103.02	100.51	96.23		0.172	1	7
kug_hc3	w2a_019	2108	9563	ARCD	1	5.247	93.63	90.21	85.18		0.071	1	7
kug_hc3	w2a_019	2108	9564	ARCD	1	5.449	93.21	89.63	85.17		0.069	1	7
kug_hc3	w2a_019	2108	9565	ARCD	1	5.036	89.94	87.28	80.89		0.037	2	1
kug_hc3	w2a_019	2108	9566	ARCD	1	6.58	97.66	94.61	86.66		0.12	2	2
kug_hc3	w2a_019	2108	9567	ARCD	1	5.747	101.92	97.95	91		0.205	1	7
kug_hc3	w2a_019	2108	9568	ARCD	1	3.402	82.25	80.02	74.61		0.038	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2108	9569	ARCD	1	17.63	145.86	140.58	131.25			n/a	
kug_hc3	w2a_019	2108	9570	ARCD	1	14.048	131.16	125.64	116.7			n/a	
kug_hc3	w2a_019	2108	9571	ARCD	1	14.255	135.51	129.71	119.25			n/a	
kug_hc3	w2a_019	2108	9572	ARCD	1	10.233	119.2	116.13	109.47			n/a	
kug_hc3	w2a_019	2108	9573	ARCD	1	6.861	101.52	98.06	90.86			n/a	
kug_hc3	w2a_019	2108	9574	ARCD	1	6.087	96.03	92.47	86.52			n/a	
kug_hc3	w2a_019	2108	9575	ARCD	1	5.644	93.97	90.91	86.22			n/a	
kug_hc3	w2a_019	2108	9576	ARCD	1	4.632	86.14	84.34	79.28			n/a	
kug_hc4	mwt_009	2150	9577	ARCD	1	0.235	37.59	35.6	33.64			n/a	
kug_hc4	mwt_009	2150	9578	ARCD	1	0.261	38.78	36.8	34.43			n/a	
kug_hc4	mwt_009	2150	9579	ARCD	1	0.697	48.26	47.18	44.67			n/a	
kug_hc4	mwt_009	2150	9580	ARCD	1	0.426	43.48	42.19	39.14			n/a	
kug_hc4	mwt_009	2150	9581	ARCD	1	0.127			29.2			n/a	
kug_hc4	mwt_009	2150	9582	ARCD	1	0.157	33.05	32.12	30.08			n/a	
kug_hc4	mwt_009	2150	9583	ARCD	1	0.259	36.9	36.21	33.9			n/a	
kug_hc4	mwt_009	2150	9584	ARCD	1	0.253	40.11	39.05	37.48			n/a	
kug_hc4	mwt_009	2150	9585	ARCD	1	0.223	37.3	36.2	33.39			n/a	
kug_hc4	mwt_009	2150	9586	ARCD	1	0.183	33.91	33.16	30.3			n/a	
kug_hc4	mwt_009	2150	9587	ARCD	1	0.259	36.68	35.79	33.99			n/a	
kug_hc4	mwt_009	2150	9588	ARCD	1	0.183	33.57	32.63	30.45			n/a	
kug_hc4	mwt_009	2150	9589	ARCD	1	0.379	40.69	39.61	36.53			n/a	
kug_hc4	mwt_009	2150	9590	ARCD	1	0.243	38.12		35.57			n/a	
kug_hc4	mwt_009	2150	9591	ARCD	1	0.256	38.52	37.54	34.96			n/a	
kug_hc4	mwt_009	2150	9592	ARCD	1	0.203	39.9	34.14	31.97			n/a	
kug_hc4	mwt_009	2150	9593	ARCD	1	0.373	40.31	38.96	37.3			n/a	
kug_hc4	mwt_009	2150	9594	ARCD	1	0.251	38.02	37.17	33.88			n/a	
kug_hc4	mwt_009	2150	9595	ARCD	1	0.317			36.71			n/a	
kug_hc4	mwt_009	2150	9596	ARCD	1	0.336	41.93	40.59	38.12			n/a	
kug_hc4	mwt_009	2151	9597	ARCD	1	0.394	40.29	38.79	35.74			n/a	
kug_hc4	mwt_009	2151	9598	ARCD	1	0.289	39.98	39.2	35.82			n/a	
kug_hc4	mwt_009	2151	9599	ARCD	1	0.833	50.21	48.28	45.7			n/a	
kug_hc4	mwt_009	2151	9600	ARCD	1	0.362	40.78	39.38	36.05			n/a	
kug_hc4	mwt_009	2151	9601	ARCD	1	0.3	40.29	39.1	35.97			n/a	
kug_hc4	mwt_009	2151	9602	ARCD	1	0.225	37.22	36.34	34.4			n/a	
kug_hc4	mwt_009	2151	9603	ARCD	1	0.174	34.72		31.94			n/a	
kug_hc4	mwt_009	2151	9604	ARCD	1	0.222	39.72	38.34	36.21			n/a	
kug_hc4	mwt_009	2151	9605	ARCD	1	0.279	40.96	40.05	37.89			n/a	
kug_hc4	mwt_009	2151	9606	ARCD	1	0.197	35.3	34.73	32.81			n/a	
kug_hc4	mwt_009	2151	9607	ARCD	1	0.303	40.72	39.99	36.31			n/a	
kug_hc4	mwt_009	2151	9608	ARCD	1	0.418	44.77	43.98	41.36			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc4	mwt_009	2151	9609	ARCD	1	0.354	44.51	39.79	36.74			n/a	
kug_hc4	mwt_009	2151	9610	ARCD	1	0.333	41.41	40.14	36.65			n/a	
kug_hc4	mwt_009	2151	9611	ARCD	1	0.399	40.4	39.61	36.45			n/a	
kug_hc4	mwt_009	2151	9612	ARCD	1	0.528	44.75	43.78	40.53			n/a	
kug_hc4	mwt_009	2151	9613	ARCD	1	0.188	33.8	32.94	30.84			n/a	
kug_hc4	mwt_009	2151	9614	ARCD	1	0.363	43.07	42.04	38.97			n/a	
kug_hc4	mwt_009	2151	9615	ARCD	1	0.435	46.23	44.83	41.58			n/a	
kug_hc4	mwt_009	2151	9616	ARCD	1	0.626	46.58	45.76	42.81			n/a	
gry_hc2	w2a_027	3249	9617	ARCD	1	7.579	102.11	98.42	92.02		0.035	1	6
gry_hc2	w2a_027	3249	9618	ARCD	1	15.158	131.91	126.38	118.28		0.822	1	7
gry_hc2	w2a_027	3249	9619	ARCD	1	11.908	128.44	124.68	116.3		0.385	1	7
gry_hc2	w2a_027	3249	9620	ARCD	1	8.154	116.1	112.62	104.7		0.066	2	1
gry_hc2	w2a_027	3249	9621	ARCD	1	10.913	118.64	114.99	107.17		0.381	1	7
gry_hc2	w2a_027	3249	9622	ARCD	1	5.926	99.56	95.7	90.38		0.061	1	6
gry_hc2	w2a_027	3249	9623	ARCD	1	5.073	97.39	93.35	88.51		0.047	2	1
gry_hc2	w2a_027	3249	9624	ARCD	1	6.047	99.08	95.11	89.65		0.099	1	6
gry_hc2	w2a_027	3249	9625	ARCD	1	3.55	83.38	80.93	76.38		0.042	1	6
gry_hc2	w2a_027	3249	9626	ARCD	1	3.683	84.37	80.6	77.24		0.082	1	6
gry_hc2	w2a_027	3249	9627	ARCD	1	3.922	87.38	84	79.63		0.013	0	Unknown
gry_hc2	w2a_027	3249	9628	ARCD	1	4.774	91.26	87.38	83.08		0.068	1	7
gry_hc2	w2a_027	3249	9629	ARCD	1	2.095	74.44	71.64	66.19			n/a	
gry_hc2	w2a_027	3249	9630	ARCD	1	3.599	86.78	83.71	78.97			n/a	
gry_hc2	w2a_027	3249	9631	ARCD	1	4.671	95.37	91.99	85.92			n/a	
gry_hc2	w2a_027	3249	9632	ARCD	1	11.148	125.37	119.22	112.35			n/a	
gry_hc2	w2a_027	3249	9633	ARCD	1	10.447	118.64	114.38	108.19			n/a	
gry_hc2	w2a_027	3249	9634	ARCD	1	3.072	78.36	75.22	72.22			n/a	
gry_hc2	w2a_027	3249	9635	ARCD	1	3.165	82.05	78.58	74.87			n/a	
gry_hc2	w2a_027	3249	9636	ARCD	1	9.913	121.57	116.6	108.93			n/a	
gry_hc2	w2a_027	3258	9637	ARCD	1	15.085	126.82	120.97	111.58		0.747	1	7
gry_hc2	w2a_027	3258	9638	ARCD	1	12.939	124.56	119.82	111.77		0.513	1	7
gry_hc2	w2a_027	3258	9639	ARCD	1	7.68	106.64	103.04	96.12		0.142	1	7
gry_hc2	w2a_027	3258	9640	ARCD	1	7.211	103.17	99.74	92.73		0.262	1	7
gry_hc2	w2a_027	3258	9641	ARCD	1	6.261	100.57	96.85	90.89		0.228	1	7
gry_hc2	w2a_027	3258	9642	ARCD	1	4.431	90.28	86.89	81.07		0.078	1	7
gry_hc2	w2a_027	3258	9643	ARCD	1	4.702	92.06	88.37	83.69		0.086	2	2
gry_hc2	w2a_027	3258	9644	ARCD	1	5.438	92.87	89.43	83.85		0.122	1	7
gry_hc2	w2a_027	3258	9645	ARCD	1	4.267	87.99	85.7	79.98		0.027	1	6
gry_hc2	w2a_027	3258	9646	ARCD	1	4.46	88.91	85.27	79.83		0.066	2	2
gry_hc2	w2a_027	3258	9647	ARCD	1	4.45	90.37	88.29	83.01		0.055	2	1
gry_hc2	w2a_027	3258	9648	ARCD	1	3.562	81.62	78.35	74.23		0.013	0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3258	9649	ARCD	1	13.333	105.77					n/a	
gry_hc2	w2a_027	3258	9650	ARCD	1	8.223	113.4	109.04	102.04			n/a	
gry_hc2	w2a_027	3258	9651	ARCD	1	7.904	107.74	104.03	98.46			n/a	
gry_hc2	w2a_027	3258	9652	ARCD	1	7.338	103.84	100.35	93.44			n/a	
gry_hc2	w2a_027	3258	9653	ARCD	1	5.464	95.58	91.79	86.49			n/a	
gry_hc2	w2a_027	3258	9654	ARCD	1	2.966	79.96	76.84	72.89			n/a	
gry_hc2	w2a_027	3258	9655	ARCD	1	3.617	86.02	82.91	77.69			n/a	
gry_hc2	w2a_027	3258	9656	ARCD	1	3.747	84.07	81.39	76.62			n/a	
kug_hc3	w2a_018	2076	9657	ARCD	1	3.029	78.23	76.66	70.58		0.043	1	6
kug_hc3	w2a_018	2076	9658	ARCD	1	8.494	105.01	101.51	95.17		0.205	1	7
kug_hc3	w2a_018	2076	9659	ARCD	1	8.842	110.39	107.27	100.77		0.281	1	7
kug_hc3	w2a_018	2076	9660	ARCD	1	10.591	122.76	118.21	111.24		0.461	1	7
kug_hc3	w2a_018	2076	9661	ARCD	1	13.684	121.84	117.3	109.34		0.652	1	7
kug_hc3	w2a_018	2076	9662	ARCD	1	2.619	76.68	73.47	69.11		0.03	2	1
kug_hc3	w2a_018	2076	9663	ARCD	1	4.164	88.07	84.79	79.29		0.027	2	1
kug_hc3	w2a_018	2076	9664	ARCD	1	4.233	85.47	82.3	77.68		0.033	1	6
kug_hc3	w2a_018	2076	9665	ARCD	1	4.6	92.62	88.55	82.58		0.053	2	2
kug_hc3	w2a_018	2076	9666	ARCD	1	4.506	88.68	85.25	80.2		0.045	1	6
kug_hc3	w2a_018	2076	9667	ARCD	1	4.46	91.2	88.49	83.18		0.028	2	1
kug_hc3	w2a_018	2076	9668	ARCD	1	5.712	98.85	95.07	88.9		0.18	1	7
kug_hc3	w2a_018	2076	9669	ARCD	1	6.868	104.91	101.42	93.95		0.053	2	2
kug_hc3	w2a_018	2076	9670	ARCD	1	3.972	86.86	83.25	78.95			0	Unknown
kug_hc3	w2a_018	2076	9671	ARCD	1	3.893	86.73	84.05	78.34			0	Unknown
kug_hc3	w2a_018	2076	9672	ARCD	1	6.155	98.49	94.45	89.89			0	Unknown
kug_hc3	w2a_018	2076	9673	ARCD	1	6.161	95.82	92.31	86.59			0	Unknown
kug_hc3	w2a_018	2076	9674	ARCD	1	7.087	103.02	99.89	94.3			0	Unknown
kug_hc3	w2a_018	2076	9675	ARCD	1	9.435	118.92	114.69	108.66			0	Unknown
kug_hc3	w2a_018	2076	9676	ARCD	1	17.947	143.43	135.55	126.42			0	Unknown
kug_hc3	w2a_018	2081	9677	ARCD	1	4.769	88.18	84.75	80.22		0.045	1	6
kug_hc3	w2a_018	2081	9678	ARCD	1	13.173	126.5	121.53	113.96		0.436	1	7
kug_hc3	w2a_018	2081	9679	ARCD	1	9.048	107.15	103.89	97.53		0.212	1	7
kug_hc3	w2a_018	2081	9680	ARCD	1	11.656	121.31	116.12	109.17		0.469	1	7
kug_hc3	w2a_018	2081	9681	ARCD	1	6.971	101.12	98.34	91.26		0.084	2	2
kug_hc3	w2a_018	2081	9682	ARCD	1	6.551	100.56	97.01	90.55		0.158	1	7
kug_hc3	w2a_018	2081	9683	ARCD	1	6.39	101.97	98.6	92.56		0.138	2	2
kug_hc3	w2a_018	2081	9684	ARCD	1	7.444	102.78	99.51	93.33		0.108	2	2
kug_hc3	w2a_018	2081	9685	ARCD	1	5.961	96.08	92.94	86.75		0.115	1	7
kug_hc3	w2a_018	2081	9686	ARCD	1	5.32	90	87.08	81.59		0.068	1	6
kug_hc3	w2a_018	2081	9687	ARCD	1	5.406	90.83	87.26	82.5		0.09	1	7
kug_hc3	w2a_018	2081	9688	ARCD	1	4.28	93.17	91.02	84.66		0.026	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2081	9689	ARCD	1	2.38	71.33	68.65	64.85		0.024	1	6
kug_hc3	w2a_018	2081	9690	ARCD	1	6.641	100.32	97.59	90.41		0.151	1	6
kug_hc3	w2a_018	2081	9691	ARCD	1	16.831	138.69	134.39	126.13			n/a	
kug_hc3	w2a_018	2081	9692	ARCD	1	13.982	128.69	124.65	117.22			n/a	
kug_hc3	w2a_018	2081	9693	ARCD	1	13.638	123.03	117.36	111.64			n/a	
kug_hc3	w2a_018	2081	9694	ARCD	1	11.494	121.06	116.35	109.78			n/a	
kug_hc3	w2a_018	2081	9695	ARCD	1	5.234	92.03	88.71	82.92			n/a	
kug_hc3	w2a_018	2081	9696	ARCD	1	3.83	86.6	83.21	78.33			n/a	
kug_hc3	w2a_019	2106	9697	ARCD	1	22.175	148.78	143.36	133.46		0.927	1	7
kug_hc3	w2a_019	2106	9698	ARCD	1	13.518	120.27	116.22	107.07		0.394	1	6
kug_hc3	w2a_019	2106	9699	ARCD	1	20.204	132.7	125.43	118.44		0.8	1	6
kug_hc3	w2a_019	2106	9700	ARCD	1	12.016	123.39	119.07	112.09		0.209	2	1
kug_hc3	w2a_019	2106	9701	ARCD	1	17.746	135.96	130.03	116.33		0.47	2	2
kug_hc3	w2a_019	2106	9702	ARCD	1	13.693	129.77	125.19	114.73		0.887	1	7
kug_hc3	w2a_019	2106	9703	ARCD	1	15.234	135.14	128.65	120.28		0.226	1	6
kug_hc3	w2a_019	2106	9704	ARCD	1	26.39	149.29	144.36	135.71		1.187	1	7
kug_hc3	w2a_019	2106	9705	ARCD	1	30.435	165.8	158.06	149.16		2.279	1	7
kug_hc3	w2a_019	2106	9706	ARCD	1	32.3	168.02	160.25	150.6		0.744	2	1
kug_hc3	w2a_019	2106	9707	ARCD	1	26.339	145.44		140.21		0.827	1	7
kug_hc3	w2a_019	2106	9708	ARCD	1	49.505	194.41	186.84	174.31		1.843	2	2
kug_hc3	w2a_019	2106	9709	ARCD	1	65.226	217.23	206.7	196.15		1.954	2	2
kug_hc3	w2a_019	2106	9710	ARCD	1	13.265	129.13	123.79	115.52			0	Unknown
kug_hc3	w2a_019	2106	9711	ARCD	1	17.969	140.48	136.49	125.21			n/a	
kug_hc3	w2a_019	2106	9712	ARCD	1	24.401	152.1	143.43	137.36			n/a	
kug_hc3	w2a_019	2106	9713	ARCD	1	17.461	140.31	135.25	126.79			n/a	
kug_hc3	w2a_019	2106	9714	ARCD	1	18.134	143.52	139.14	131.89			n/a	
kug_hc3	w2a_019	2106	9715	ARCD	1	26.585	155.32	148.83	142.86			n/a	
kug_hc3	w2a_019	2106	9716	ARCD	1	35.9	173.66	163.67	159.48			n/a	
kug_hc3	w2a_019	2107	9717	ARCD	1	14.834	129.23	124.22	114.92		0.506	1	7
kug_hc3	w2a_019	2107	9718	ARCD	1	13.89	134.67	128.85	120.87		0.371	2	2
kug_hc3	w2a_019	2107	9719	ARCD	1	9.39	115.97	112.9	105.06		0.214	1	7
kug_hc3	w2a_019	2107	9720	ARCD	1	8.59	114.41	109.19	102.02		0.27	2	2
kug_hc3	w2a_019	2107	9721	ARCD	1	7.01	108.16	103.71	97.05		0.047	1	6
kug_hc3	w2a_019	2107	9722	ARCD	1	7.26	97.43	95.13	90.75		0.16	1	7
kug_hc3	w2a_019	2107	9723	ARCD	1	6.81	100.22	98.22	91.19		0.01	1	6
kug_hc3	w2a_019	2107	9724	ARCD	1	6.74	99.59	97.46	90.83		0.091	1	6
kug_hc3	w2a_019	2107	9725	ARCD	1	6.3	98.91	94.52	88.05		0.11	2	1
kug_hc3	w2a_019	2107	9726	ARCD	1	5.78	96.42	94.52	86.78		0.128	1	7
kug_hc3	w2a_019	2107	9727	ARCD	1	5.08	90.87	88.68	82.21		0.033	2	1
kug_hc3	w2a_019	2107	9728	ARCD	1	4.97	88.84	86.69	81.5		0.055	2	1

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2107	9729	ARCD	1	4.47	88.08	86.16	79.74			n/a	
kug_hc3	w2a_019	2107	9730	ARCD	1	10.6	119.83	116.44	108.72			n/a	
kug_hc3	w2a_019	2107	9731	ARCD	1	4.97	92.86	90.15	85.04			n/a	
kug_hc3	w2a_019	2107	9732	ARCD	1	10.01	113.39	109.91	101.92			n/a	
kug_hc3	w2a_019	2107	9733	ARCD	1	8.52	112.67	109.56	102.89			n/a	
kug_hc3	w2a_019	2107	9734	ARCD	1	6.02	96.97	94.22	88			n/a	
kug_hc3	w2a_019	2107	9735	ARCD	1	4.63	91.85	88.59	83.21			n/a	
kug_hc3	w2a_019	2107	9736	ARCD	1	3.78	89.03	87.03	81.25			n/a	
kug_hc3	w2a_019	2110	9737	ARCD	1	14.623	138.19	132.18	122.82		0.447	2	1
kug_hc3	w2a_019	2110	9738	ARCD	1	8.895	106.17	103.77	96.48		0.211	1	7
kug_hc3	w2a_019	2110	9739	ARCD	1	8.708	109.43	106.14	99.6		0.239	1	7
kug_hc3	w2a_019	2110	9740	ARCD	1	7.565	108.38	104.66	99.47		0.042	2	1
kug_hc3	w2a_019	2110	9741	ARCD	1	6.763	104.64	100.93	93.78		0.076	2	2
kug_hc3	w2a_019	2110	9742	ARCD	1	5.498	100.04	97.07	90.42		0.001	0	Unknown
kug_hc3	w2a_019	2110	9743	ARCD	1	4.213	84.52	81.35	76.5		0.078	1	6
kug_hc3	w2a_019	2110	9744	ARCD	1	3.908	83.51	80.19	76		0.075	2	2
kug_hc3	w2a_019	2110	9745	ARCD	1	5.042	90.91	88.21	83.33		0.001	0	Unknown
kug_hc3	w2a_019	2110	9746	ARCD	1	3.77	85.56	82.05	77.87		0.04	2	1
kug_hc3	w2a_019	2110	9747	ARCD	1	4.201	89.84	85.85	81.43		0.025	2	1
kug_hc3	w2a_019	2110	9748	ARCD	1	4.288	87.15	84.13	79.19		0.041	1	7
kug_hc3	w2a_019	2110	9749	ARCD	1	2.273	75.44	72.39	68.68		0.022	1	6
kug_hc3	w2a_019	2110	9750	ARCD	1	9.581	121.62	116.17	109.56			n/a	
kug_hc3	w2a_019	2110	9751	ARCD	1	7.222	102.16	99.37	92.8			n/a	
kug_hc3	w2a_019	2110	9752	ARCD	1	3.543	84.92	82.27	77.09			n/a	
kug_hc3	w2a_019	2110	9753	ARCD	1	4.25	90.31	86.39	81.8			n/a	
kug_hc3	w2a_019	2110	9754	ARCD	1	5.521	94.08	90.62	85.91			n/a	
kug_hc3	w2a_019	2110	9755	ARCD	1	3.774	88.2	84.71	79.66			n/a	
kug_hc3	w2a_019	2110	9756	ARCD	1	2.706	77.47	74.21	69.5			n/a	
kug_hc3	w2a_019	2113	9757	ARCD	1	10.175	115.16	110.7	104.01		0.241	1	7
kug_hc3	w2a_019	2113	9758	ARCD	1	8.746	105.48	102.06	96.12		0.238	1	6
kug_hc3	w2a_019	2113	9759	ARCD	1	5.708	91.85	90.08	83.94		0.089	1	7
kug_hc3	w2a_019	2113	9760	ARCD	1	4.947	88.8	85.86	79.95		0.048	1	6
kug_hc3	w2a_019	2113	9761	ARCD	1	6.43	101.46	97.86	91.78		0.01	1	6
kug_hc3	w2a_019	2113	9762	ARCD	1	5.485	91.33	87.83	84.67		0.086	1	7
kug_hc3	w2a_019	2113	9763	ARCD	1	8.394	106.95	101.28	94.44		0.112	1	6
kug_hc3	w2a_019	2113	9764	ARCD	1	5.351	94.76	91.26	86.27		0.106	1	7
kug_hc3	w2a_019	2113	9765	ARCD	1	9.461	110.66	106.78	101.09		0.148	2	1
kug_hc3	w2a_019	2113	9766	ARCD	1	11.326	121.85	115.49	109.3		0.304	2	1
kug_hc3	w2a_019	2113	9767	ARCD	1	15.738	121.42	114.95	106.18		0.781	1	7
kug_hc3	w2a_019	2113	9768	ARCD	1	7.446	103.43	100.65	94.86		0.366	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2113	9769	ARCD	1	14.97	124.35	117.62	110.29		0.483	2	1
kug_hc3	w2a_019	2113	9770	ARCD	1	11.33	123.54	118.99	110.68		0.398	1	6
kug_hc3	w2a_019	2113	9771	ARCD	1	4.935	88.24	85.14	78.99			n/a	
kug_hc3	w2a_019	2113	9772	ARCD	1	10.638	119.26	112.99	106.77			n/a	
kug_hc3	w2a_019	2113	9773	ARCD	1	10.913	118.13	112.75	106.6			n/a	
kug_hc3	w2a_019	2113	9774	ARCD	1	10.186	114.67	111.26	105.35			n/a	
kug_hc3	w2a_019	2113	9775	ARCD	1	14.195	134.03	129.99	121.66			n/a	
kug_hc3	w2a_019	2113	9776	ARCD	1	3.71	84.11	82.42	76.72			0	Unknown
kug_hc3	w2a_019	2121	9777	ARCD	1	2.708	77.19	74.56	70.36		0.008	1	6
kug_hc3	w2a_019	2121	9778	ARCD	1	18.052	147.04	142.16	133.42		0.504	2	2
kug_hc3	w2a_019	2121	9779	ARCD	1	9.09	109.36	104.09	97.34		0.352	1	7
kug_hc3	w2a_019	2121	9780	ARCD	1	6.82	106.37	103.03	97.02		0.019	0	Unknown
kug_hc3	w2a_019	2121	9781	ARCD	1	7.272	98.09	94.17	89.29		0.062	2	2
kug_hc3	w2a_019	2121	9782	ARCD	1	6.379	101.22	97.86	90.41		0.108	1	7
kug_hc3	w2a_019	2121	9783	ARCD	1	6.745	102.48	99.75	94.13		0.16	1	7
kug_hc3	w2a_019	2121	9784	ARCD	1	6.158	101.43	97.31	91.3		0.05	2	1
kug_hc3	w2a_019	2121	9785	ARCD	1	5.327	92.9	90.21	84.93		0.077	1	7
kug_hc3	w2a_019	2121	9786	ARCD	1	5.455	97.97	94.12	88.49		0.076	2	2
kug_hc3	w2a_019	2121	9787	ARCD	1	5.084	91.67	89.39	83.82		0.018	0	Unknown
kug_hc3	w2a_019	2121	9788	ARCD	1	4.456	89.01	85.9	80.37		0.06	2	2
kug_hc3	w2a_019	2121	9789	ARCD	1	4.815	88.83	86.51	81.16		0.025	1	6
kug_hc3	w2a_019	2121	9790	ARCD	1	10.022	114.87	111.26	103.32			0	Unknown
kug_hc3	w2a_019	2121	9791	ARCD	1	7.947	101.28	98.33	90.21			0	Unknown
kug_hc3	w2a_019	2121	9792	ARCD	1	4.951	93.17	89.07	83.44			0	Unknown
kug_hc3	w2a_019	2121	9793	ARCD	1	4.193	90.1	85.68	81.55			0	Unknown
kug_hc3	w2a_019	2121	9794	ARCD	1	4.428	84.67	81.17	76.22			0	Unknown
kug_hc3	w2a_019	2121	9795	ARCD	1	4.645	85.37	82.59	77.04			0	Unknown
kug_hc3	w2a_019	2121	9796	ARCD	1	4.155	92.35	89.25	83.96			0	Unknown
kug_hc3	w2a_019	2128	9797	ARCD	1	2.715	73.55	70.59	66.3		0.02	1	6
kug_hc3	w2a_019	2128	9798	ARCD	1	3.55	81.81	80.08	74.87		0.017	1	6
kug_hc3	w2a_019	2128	9799	ARCD	1	3.74	82.93	81.31	76.38		0.07	1	6
kug_hc3	w2a_019	2128	9800	ARCD	1	4.85	96.47	94	87.67		0.056	2	1
kug_hc3	w2a_019	2128	9801	ARCD	1	4.72	90.82	88.66	83.69		0.071	2	1
kug_hc3	w2a_019	2128	9802	ARCD	1	5.77	91.61	89.8	83.83		0.093	1	6
kug_hc3	w2a_019	2128	9803	ARCD	1	4.71	87.84	84.85	79.45		0.05	2	1
kug_hc3	w2a_019	2128	9804	ARCD	1	5.94	94.34	91.4	85.85		0.184	1	7
kug_hc3	w2a_019	2128	9805	ARCD	1	6.14	102.01	98.36	91.95		0.143	1	7
kug_hc3	w2a_019	2128	9806	ARCD	1	5.42	95.62	92.4	86.71		0.024	1	6
kug_hc3	w2a_019	2128	9807	ARCD	1	8.12	106.37	100.23	93.89		0.322	1	7
kug_hc3	w2a_019	2128	9808	ARCD	1	7.47	105.71	103.39	97.06		0.159	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_019	2128	9809	ARCD	1	11.48	127.05	122.66	117.77		0.22	2	2
kug_hc3	w2a_019	2128	9810	ARCD	1	3.08	78.44	73.44	71.32			n/a	
kug_hc3	w2a_019	2128	9811	ARCD	1	2.94	80.17	78.28	72.84			n/a	
kug_hc3	w2a_019	2128	9812	ARCD	1	4.54	88.21	85.44	79.55			n/a	
kug_hc3	w2a_019	2128	9813	ARCD	1	5.21	93.34	90.08	85.67			n/a	
kug_hc3	w2a_019	2128	9814	ARCD	1	6.02	96.82	93.75	88.73			n/a	
kug_hc3	w2a_019	2128	9815	ARCD	1	6.98	104.6	99.18	93.83			n/a	
kug_hc3	w2a_019	2128	9816	ARCD	1	9.55	117.04	113.66	105.54			n/a	
kug_hc3	w2a_019	2135	9817	ARCD	1	0.521			44.77			0	Unknown
gry_04	w2a_023	2652	9819	ARCD	1	15.73	126.12	120.75	113.3	0.675	0.653	1	7
gry_04	w2a_023	2652	9820	ARCD	1	8.337	110.31	105.57	101.29			1	7
gry_04	w2a_023	2652	9821	ARCD	1	6.704	103.3	100.2	92.77			1	7
gry_04	w2a_023	2652	9822	ARCD	1	6.257	102.23	99.2	92.72			1	7
gry_04	w2a_023	2652	9823	ARCD	1	5.489	95.09	92.46	85.02			1	7
gry_04	w2a_023	2652	9824	ARCD	1	5.19	95.69	92.79	86.83			1	7
gry_04	w2a_023	2652	9825	ARCD	1	14.858	123.74	119.52	114.49		0.762	1	7
gry_04	w2a_023	2652	9826	ARCD	1	14.244	120.36	116.55	109.76		0.448	1	7
gry_04	w2a_023	2652	9827	ARCD	1	8.663	108.81	102.62	98.42		0.2	2	2
gry_04	w2a_023	2652	9828	ARCD	1	7.722	112.49	109.13	102.17		0.076	2	1
gry_04	w2a_023	2652	9829	ARCD	1	7.709	102.38	99.08	91.71		0.205	1	7
gry_04	w2a_023	2652	9830	ARCD	1	6.69	101.58	98.16	92.33		0.065	2	2
gry_04	w2a_023	2652	9831	ARCD	1	5.33	97.93	94.27	88.12		0.061	2	2
gry_04	w2a_023	2652	9832	ARCD	1	6.577	101.11	97.24	89.77		0.205	1	7
gry_04	w2a_023	2652	9833	ARCD	1	5.491	95.5	92.5	87.25		0.064	2	2
gry_04	w2a_023	2652	9834	ARCD	1	4.862	90.17	87.27	81.66		0.042	2	1
gry_04	w2a_023	2652	9835	ARCD	1	4.917	90.7	87.16	84.25		0.033	2	1
gry_04	w2a_023	2652	9836	ARCD	1	5.099	87.47	84.65	80.36		0.04	1	6
gry_04	w2a_023	2652	9837	ARCD	1	4.834	91.67	86.44	82.09			1	7
gry_04	w2a_023	2652	9838	ARCD	1	5.042	90.6	88.01	81.71			1	7
gry_04	w2a_023	2653	9839	ARCD	1	3.136	83.61	81.24	76.04			n/a	
gry_04	w2a_023	2653	9840	ARCD	1	4.239	89.83	86.28	82.3			n/a	
gry_04	w2a_023	2653	9841	ARCD	1	9.085	115.33	110.98	106.35			n/a	
gry_04	w2a_023	2653	9842	ARCD	1	5.574	97.89	91.71	88.76			n/a	
gry_04	w2a_023	2653	9843	ARCD	1	4.512	93.12	86.33	83.34			n/a	
gry_04	w2a_023	2653	9844	ARCD	1	11.577	121.07	116.91	110.17		0.21	1	7
gry_04	w2a_023	2653	9845	ARCD	1	12.282	124.01	116.52	111.97		0.313	1	7
gry_04	w2a_023	2653	9846	ARCD	1	9.622	122.86	117.87	111.24		0.185	2	2
gry_04	w2a_023	2653	9847	ARCD	1	7.014	105.97	100.13	97.64		0.082	1	6
gry_04	w2a_023	2653	9848	ARCD	1	5.527	98.12	94.18	88.54		0.017	1	6
gry_04	w2a_023	2653	9849	ARCD	1	4.877	90.68	84.28	82.72		0.038	1	7

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gry_04	w2a_023	2653	9850	ARCD	1	6.665	103.29	100.44	95.24		0.047	2	2
gry_04	w2a_023	2653	9851	ARCD	1	6.34	98.46	94.87	91.35		0.086	2	2
gry_04	w2a_023	2653	9852	ARCD	1	6.572	99.22	94.22	87.93		0.049	2	2
gry_04	w2a_023	2653	9853	ARCD	1	4.403	90.68	88.2	81.6		0.033	1	7
gry_04	w2a_023	2653	9854	ARCD	1	6.087	99.99	94.26	90.11		0.106	1	7
gry_04	w2a_023	2653	9855	ARCD	1	4.209	88.81	83.82	79.25		0.143	1	7
gry_04	w2a_023	2653	9856	ARCD	1	5.427	97.66	92.87	88.07			n/a	
gry_04	w2a_023	2653	9857	ARCD	1	6.658	105.37	101.58	97.63			n/a	
gry_04	w2a_023	2653	9858	ARCD	1	5.582	99.48	96.68	91.83			n/a	
gry_04	w2a_023	2658	9859	ARCD	1	1.545	61.17	57.83	54.69			0	Unknown
gry_04	w2a_023	2658	9860	ARCD	1	12.657	127	121.04	114.78		0.46	1	7
gry_04	w2a_023	2658	9861	ARCD	1	7.158	106.29	102.07	95.91		0.165	1	7
gry_04	w2a_023	2658	9862	ARCD	1	6.245	112.41	105.97	99.26		0.066	2	1
gry_04	w2a_023	2658	9863	ARCD	1	7.079	111.64	104.66	101.26		0.08	1	7
gry_04	w2a_023	2658	9864	ARCD	1	7.376	114.33	104.28	100.32		0.192	2	2
gry_04	w2a_023	2658	9865	ARCD	1	2.78	77.62	73.79	69.83		0.027	2	1
gry_04	w2a_023	2658	9866	ARCD	1	7.3	109.2	103.18	98.41		0.269	1	7
gry_04	w2a_023	2658	9867	ARCD	1	6.054	105.68	100.13	92.92		0.034	2	1
gry_04	w2a_023	2658	9868	ARCD	1	7.418	106.52	102.14	96.97		0.088	1	7
gry_04	w2a_023	2658	9869	ARCD	1	4.651	92.1	90.17	85.51		0.024	2	1
gry_04	w2a_023	2658	9870	ARCD	1	11.943	126.34	119.13	114.83		0.104	1	6
gry_04	w2a_023	2658	9871	ARCD	1	17.482	145.44	140.64	132.2		0.558	2	2
gry_04	w2a_023	2658	9872	ARCD	1	4.216	85.95	83.61	80.06			n/a	
gry_04	w2a_023	2658	9873	ARCD	1	5.286	90.44	85.33	81.22			n/a	
gry_04	w2a_023	2658	9874	ARCD	1	4.892	97.31	91.91	88.85			n/a	
gry_04	w2a_023	2658	9875	ARCD	1	7.284	104	99.33	94.27			n/a	
gry_04	w2a_023	2658	9876	ARCD	1	5.671	100.36	97.2	92.21			n/a	
gry_04	w2a_023	2658	9877	ARCD	1	13.26	130.56	124.7	114.96			n/a	
gry_04	w2a_023	2658	9878	ARCD	1	8.54	111.59	106.91	100.78			n/a	
kug_hc3	w2a_019	2125	9879	ARCD	1	6.094	101.77	97.27	93.57		0.06	2	2
kug_hc3	w2a_019	2125	9880	ARCD	1	7.594	109.84	104.53	98.85		0.187	1	7
gry_04	w2a_023	2633	9881	ARCD	1	19.379	149.73	140.08	135.11		0.817	1	7
gry_04	w2a_023	2652	9882	ARCD	1	16.193	132.48	126.86	119.8			1	7
dal_hc5	w2a_035	5000	9883	ARCD	1	3.017	85.65	82.1	77.52		0.001	0	Unknown
dal_01	w2a_001		9885	RBSC	1	0.247	34.41		30.69			0	Unknown
gry_01	w2a_020	2265	9886	ARCD	1	0.64	48.58		42.08			0	Unknown
gry_01	w2a_020	2265	9887	ARCD	1	0.77	52.24	50.29	47			0	Unknown
gry_01	w2a_020	2265	9888	ARCD	1	0.248	40.27		37.53			0	Unknown
gry_04	w2a_023	2659	9889	ARCD	1	3.214	78.24	75.08	70.01		0.024	1	6
gry_04	w2a_023	2659	9890	ARCD	1	15.456	127.34	123.42	113.83		0.5	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2659	9891	ARCD	1	11.055	119.08	116.47	107.86		0.236	2	2
gry_04	w2a_023	2659	9892	ARCD	1	10.212	114	108.9	101.12		0.237	2	2
gry_04	w2a_023	2659	9893	ARCD	1	4.614	90.62	88.16	81.82		0.035	1	6
gry_04	w2a_023	2659	9894	ARCD	1	5.399	91.94	89.44	82.98		0.092	1	7
gry_04	w2a_023	2659	9895	ARCD	1	5.005	91.71	88.3	83.87		0.03	0	Unknown
gry_04	w2a_023	2659	9896	ARCD	1	4.705	89.4	86.97	81.71		0.072	2	1
gry_04	w2a_023	2659	9897	ARCD	1	6.527	95.18	90.84	86.04		0.113	1	7
gry_04	w2a_023	2659	9898	ARCD	1	4.113	84.36	82.13	76.13		0.104	1	7
gry_04	w2a_023	2659	9899	ARCD	1	3.325	82.63	79.44	74.36		0.017	0	Unknown
gry_04	w2a_023	2659	9900	ARCD	1	2.933	73.09	71.33	66.43		0.023	2	1
gry_04	w2a_023	2659	9901	ARCD	1	2.582	72.27	69.28	65.67		0.017	0	Unknown
gry_04	w2a_023	2659	9902	ARCD	1	14.048	124.98	120.66	111.39			0	Unknown
gry_04	w2a_023	2659	9903	ARCD	1	12.625	125.37	120.86	112.13			0	Unknown
gry_04	w2a_023	2659	9904	ARCD	1	7.927	107.09	104.1	98.58			0	Unknown
gry_04	w2a_023	2659	9905	ARCD	1	5.546	96.39	92.31	87.51			0	Unknown
gry_04	w2a_023	2659	9906	ARCD	1	4.281	88.39	85.63	82.66			0	Unknown
gry_04	w2a_023	2659	9907	ARCD	1	5.497	94.43	91.55	86.28			0	Unknown
gry_04	w2a_023	2659	9908	ARCD	1	5.536	93.11	90.45	84.72			0	Unknown
gry_04	w2a_023	2661	9909	ARCD	1	5.444	94.9	91.22	85.6	0.137	0.097	1	6
gry_04	w2a_023	2661	9910	ARCD	1	13.81	128.04	122.85	114.67		0.338	2	1
gry_04	w2a_023	2661	9911	ARCD	1	14.52	124.98	118.9	111.36		0.938	1	7
gry_04	w2a_023	2661	9912	ARCD	1	7.31	103.23	98.5	94.38		0.09	2	1
gry_04	w2a_023	2661	9913	ARCD	1	8.12	104.42	100.29	93.76		0.053	2	1
gry_04	w2a_023	2661	9914	ARCD	1	6.55	101.66	99.34	92.21		0.076	2	1
gry_04	w2a_023	2661	9915	ARCD	1	5.26	93.71		85.27		0.047	2	1
gry_04	w2a_023	2661	9916	ARCD	1	5.08	93.44	91.13	85.19		0.012	1	6
gry_04	w2a_023	2661	9917	ARCD	1	4.33	85.18	83.08	76.4		0.049	2	1
gry_04	w2a_023	2661	9918	ARCD	1	3.32	83.73	81.71	76.48		0.009	2	1
gry_04	w2a_023	2661	9919	ARCD	1	4.16	84.34	79.96	75.68		0.037	1	6
gry_04	w2a_023	2661	9920	ARCD	1	3.78	82.86	80.72	74.59		0.035	2	1
gry_04	w2a_023	2661	9921	ARCD	1	3.81	82.49	80.23	75.98		0.013	1	6
gry_04	w2a_023	2661	9922	ARCD	1	4.74	84.99	83.98	78.25			n/a	
gry_04	w2a_023	2661	9923	ARCD	1	4.07	82.4	79.94	74.65			n/a	
gry_04	w2a_023	2661	9924	ARCD	1	3.34	85.45	83.13	77.86			n/a	
gry_04	w2a_023	2661	9925	ARCD	1	6.78	98.83	96.24	90.93			n/a	
gry_04	w2a_023	2661	9926	ARCD	1	6.35	100.23	96.97	91.2			n/a	
gry_04	w2a_023	2661	9927	ARCD	1	9.63	110.66	104.54	97.57			n/a	
gry_04	w2a_023	2661	9928	ARCD	1	14.03	132.18	127.88	119.96			n/a	
gry_04	w2a_023	2662	9929	ARCD	1	11.835	122.91	119.77	112	0.77	0.444	1	7
gry_04	w2a_023	2662	9930	ARCD	1	0.355	41.92		37.97			0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2662	9931	ARCD	1	9.812	112.69	109.39	100.36		0.2	2	2
gry_04	w2a_023	2662	9932	ARCD	1	10.284	120.93	118.56	109.55		0.435	1	7
gry_04	w2a_023	2662	9933	ARCD	1	6.695	101.37	98.39	92.11		0.023	2	1
gry_04	w2a_023	2662	9934	ARCD	1	5.676	97.1	95.35	88.96		0.099	1	7
gry_04	w2a_023	2662	9935	ARCD	1	6.91	98.48	95.74	89.07		0.039	2	1
gry_04	w2a_023	2662	9936	ARCD	1	5.52	95.15	92.2	86.13		0.008	0	Unknown
gry_04	w2a_023	2662	9937	ARCD	1	7.178	95.16	92	86.97		0.094	2	2
gry_04	w2a_023	2662	9938	ARCD	1	4.205	88.88	87.09	82.01		0.023	0	Unknown
gry_04	w2a_023	2662	9939	ARCD	1	3.807	81.37	79.4	75.57		0.069	1	7
gry_04	w2a_023	2662	9940	ARCD	1	4.625	88.6	84.92	79.58		0.028	2	1
gry_04	w2a_023	2662	9941	ARCD	1	4.082	80.28	76.95	72.36		0.029	1	6
gry_04	w2a_023	2662	9942	ARCD	1	3.397	78.52	76.47	70.98		0.016	0	Unknown
gry_04	w2a_023	2662	9943	ARCD	1	10.012	120	115.67	108.37			n/a	
gry_04	w2a_023	2662	9944	ARCD	1	6.826	97.61	94.03	88.02			n/a	
gry_04	w2a_023	2662	9945	ARCD	1	4.092	86.73	83.15	77.98			n/a	
gry_04	w2a_023	2662	9946	ARCD	1	3.848	85.51	83.33	76.48			n/a	
gry_04	w2a_023	2662	9947	ARCD	1	4.617	92.08	89.23	82.94			n/a	
gry_04	w2a_023	2662	9948	ARCD	1	2.971	79.79	76.17	71.47			n/a	
gry_04	w2a_023	2663	9949	ARCD	1	6.433	94.35	91.87	87.04		0.146	1	6
gry_04	w2a_023	2663	9950	ARCD	1	7.409	107.31	103.81	97.76		0.046	0	Unknown
gry_04	w2a_023	2663	9951	ARCD	1	6.237	98.58	95.77	91.92		0.072	2	2
gry_04	w2a_023	2663	9952	ARCD	1	6.429	98.18	95.09	88.48		0.079	2	2
gry_04	w2a_023	2663	9953	ARCD	1	5.39	92.95	90.23	83.87		0.017	0	Unknown
gry_04	w2a_023	2663	9954	ARCD	1	5.778	97.69	93.53	88.48		0.03	2	1
gry_04	w2a_023	2663	9955	ARCD	1	5.921	97.29	93.56	85.65		0.034	0	Unknown
gry_04	w2a_023	2663	9956	ARCD	1	5.384	91.61	87.77	83.42		0.113	1	7
gry_04	w2a_023	2663	9957	ARCD	1	5.51	92.04	88.15	82.68		0.044	2	1
gry_04	w2a_023	2663	9958	ARCD	1	5.047	91.77	91.03	82.56		0.023	0	Unknown
gry_04	w2a_023	2663	9959	ARCD	1	4	81.33	78.76	73.55		0.056	1	6
gry_04	w2a_023	2663	9960	ARCD	1	3.939	80.14	77.8	72.73		0.046	1	7
gry_04	w2a_023	2663	9961	ARCD	1	3.597	85.85	83.09	77.95		0.023	0	Unknown
gry_04	w2a_023	2663	9962	ARCD	1	8.499	110.12	105.41	100.64			0	Unknown
gry_04	w2a_023	2663	9963	ARCD	1	7.532	102.16	98.92	92.25			0	Unknown
gry_04	w2a_023	2663	9964	ARCD	1	6.742	97.42	94.9	88.22			0	Unknown
gry_04	w2a_023	2663	9965	ARCD	1	4.681	94.23	91.13	85.42			0	Unknown
gry_04	w2a_023	2663	9966	ARCD	1	4.542	84.54	81.3	77.21			0	Unknown
gry_04	w2a_023	2663	9967	ARCD	1	6.189	100.03	97.73	90.42			0	Unknown
gry_04	w2a_023	2663	9968	ARCD	1	3.418	81.32	79.08	73.86			0	Unknown
gry_04	w2a_023	2664	9969	ARCD	1	10.582	114.26	110.96	102.63	0.229	0.293	2	1
gry_04	w2a_023	2664	9970	ARCD	1	8.869	114.91	110.33	103.43		0.091	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_04	w2a_023	2664	9971	ARCD	1	8.069	107.51	104.45	99.11		0.257	1	7
gry_04	w2a_023	2664	9972	ARCD	1	13.323	116.37	111.93	104.74		0.624	1	7
gry_04	w2a_023	2664	9973	ARCD	1	9.375	119.56	116.27	107.61		0.309	1	7
gry_04	w2a_023	2664	9974	ARCD	1	7.163	100.95	98.58	91.79		0.091	2	2
gry_04	w2a_023	2664	9975	ARCD	1	6.526	102.6	100.05	93.29		0.099	1	7
gry_04	w2a_023	2664	9976	ARCD	1	6.314	95.7	91.82	85.71		0.041	0	Unknown
gry_04	w2a_023	2664	9977	ARCD	1	7.278	97.41	95.15	88.07		0.046	2	1
gry_04	w2a_023	2664	9978	ARCD	1	5.448	84.89	81.93	77.83		0.084	1	6
gry_04	w2a_023	2664	9979	ARCD	1	4.576	86.91	84.38	80.34		0.025	0	Unknown
gry_04	w2a_023	2664	9980	ARCD	1	3.452	83.89	81.66	76.44		0.012	0	Unknown
gry_04	w2a_023	2664	9981	ARCD	1	3.171	78.84	75.93	71.98		0.023	1	6
gry_04	w2a_023	2664	9982	ARCD	1	8.235	112.7	109.41	101.17			0	Unknown
gry_04	w2a_023	2664	9983	ARCD	1	8.95	113.08	108.92	101.84			0	Unknown
gry_04	w2a_023	2664	9984	ARCD	1	8.735	109.21	103.41	98.43			0	Unknown
gry_04	w2a_023	2664	9985	ARCD	1	5.436	92.95	90.49	84.68			0	Unknown
gry_04	w2a_023	2664	9986	ARCD	1	5.115	101.01	98.44	91.24			0	Unknown
gry_04	w2a_023	2664	9987	ARCD	1	4.44	90.43	86.37	81.88			0	Unknown
gry_04	w2a_023	2664	9988	ARCD	1	3.976	90.94	87.44	81.05			0	Unknown
gry_04	w2a_023	2668	9989	ARCD	1	3.284	77.71	73.8	70.53		0.006	1	6
gry_04	w2a_023	2668	9990	ARCD	1	16.119	132.65	128.21	118.7		0.319	1	7
gry_04	w2a_023	2668	9991	ARCD	1	12.749	118.85	115.07	108.68		0.575	1	7
gry_04	w2a_023	2668	9992	ARCD	1	6.375	100.09	96.82	90.17		0.027	1	6
gry_04	w2a_023	2668	9993	ARCD	1	4.62	88.94	85.11	80.47		0.007	0	Unknown
gry_04	w2a_023	2668	9994	ARCD	1	6.339	102.13	99.63	93.47		0.036	2	1
gry_04	w2a_023	2668	9995	ARCD	1	6.069	99.49	96.13	90.17		0.008	0	Unknown
gry_04	w2a_023	2668	9996	ARCD	1	3.816	84.65	81.83	76.68		0.07	1	7
gry_04	w2a_023	2668	9997	ARCD	1	4.595	88.18	85.69	80.62		0.071	1	7
gry_04	w2a_023	2668	9998	ARCD	1	3.496	80.4	77.25	73.21		0.001	0	Unknown
gry_04	w2a_023	2668	9999	ARCD	1	2.949	84.04	81.13	74.7		0.026	2	1
gry_04	w2a_023	2668	10000	ARCD	1	2.521	72.7	70.6	67.15		0.001	0	Unknown
gry_04	w2a_023	2668	10001	ARCD	1	3.522	84.5	81.9	76.12		0.022	2	1
gry_04	w2a_023	2668	10002	ARCD	1	11.461	120.18	116.65	108.52			n/a	
gry_04	w2a_023	2668	10003	ARCD	1	7.04	99.64	96.37	91.41			n/a	
gry_04	w2a_023	2668	10004	ARCD	1	4.965	91.65	89.12	82.65			n/a	
gry_04	w2a_023	2668	10005	ARCD	1	5.005	91.82	88.05	82.73			n/a	
gry_04	w2a_023	2668	10006	ARCD	1	4.666	88.12	85.07	80.71			n/a	
gry_04	w2a_023	2668	10007	ARCD	1	4.888	89.91	86.86	81.65			n/a	
gry_hc2	w2a_027	3261	10008	ARCD	1	6.02	99.82	96.51	91.33	0.1802	0.0594	2	1
gry_hc2	w2a_027	3261	10009	ARCD	1	3.01	78.68	76.99	71.45	0.0995	0.0384	2	1
gry_hc2	w2a_027	3261	10010	ARCD	1	7.31	97.64	93.77	86.9	0.2537	0.1325	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
gry_hc2	w2a_027	3261	10011	ARCD	1	4.38	90.47	87.22	82.22	0.2384	0.441	2	1
gry_hc2	w2a_027	3261	10012	ARCD	1	4.9	91.04	88.81	81.51	0.2229	0.0632	1	7
gry_hc2	w2a_027	3261	10013	ARCD	1	13.41	132.44	126.22	118.46	0.5798	0.3624	2	1
gry_hc2	w2a_027	3261	10014	ARCD	1	3.74	87.89	85.55	80.43	0.1775	0.0387	2	1
gry_hc2	w2a_027	3261	10015	ARCD	1	6.68	99.18	96.49	89.36	0.3534	0.0706	2	2
gry_hc2	w2a_027	3261	10016	ARCD	1	5.35	88.64	85.75	79.4	0.2285	0.148	1	6
gry_hc2	w2a_027	3261	10017	ARCD	1	3.43	81.49	78.73	74.12	0.159	0.0222	2	2
gry_hc2	w2a_027	3261	10018	ARCD	1	4.27	88.65	84.71	79.61	0.2188		0	
gry_hc2	w2a_027	3261	10019	ARCD	1	6.81	102.6	99.46	93.08	0.1771	0.1686	1	6
gry_hc2	w2a_027	3261	10020	ARCD	1	3.55	83.04	79.28	75.09	0.1101	0.038	1	6
gry_hc2	w2a_027	3261	10021	ARCD	1	8.16	109.01	105.98	99.82	0.3882	0.178	1	7
gry_hc2	w2a_027	3261	10022	ARCD	1	3.34	77.86	75.09	69.02	0.1091	0.0083	1	6
gry_hc2	w2a_027	3261	10023	ARCD	1	3.31	82.35	79.13	73.92	0.1799	0.0784	1	7
gry_hc2	w2a_027	3261	10024	ARCD	1	6.9	100.96	97.6	92.17	0.3422	0.1638	1	6
gry_hc2	w2a_027	3261	10025	ARCD	1	9.95	115.35	110.84	104.02	0.4084	0.2788	2	2
gry_hc2	w2a_027	3261	10026	ARCD	1	3.76	80.05	77.77	72.92	0.1436	0.0383	1	6
gry_hc2	w2a_027	3261	10027	ARCD	1	3.81	81.76	79.44	73.47	0.1399	0.0582	2	1
tbs_04	w2a_031	3960	10028	ARCD	1	23.965	147.51	141.02	133.18		1.12	1	7
tbs_04	w2a_031	3960	10029	ARCD	1	16.232	142.62	136.67	129.6		0.505	1	7
tbs_04	w2a_031	3960	10030	ARCD	1	11.757	117.27	114.1	110.32		0.297	2	2
tbs_04	w2a_031	3960	10031	ARCD	1	7.259	103.46	99.89	93.54			n/a	
tbs_04	w2a_031	3960	10032	ARCD	1	7.198	109.47	105.11	99.64			n/a	
tbs_04	w2a_031	3960	10033	ARCD	1	4.863	91.59	89.52	83.73		0.048	2	1
tbs_04	w2a_031	3960	10034	ARCD	1	6.78	101.94	99.69	93.15		0.09	2	1
tbs_04	w2a_031	3960	10035	ARCD	1	5.933	96.26	92.77	87.93		0.022	2	1
tbs_04	w2a_031	3960	10036	ARCD	1	5.583	92.64	90.85	84.32		0.163	1	6
tbs_04	w2a_031	3960	10037	ARCD	1	4.061	86.13	84.52	79.33		0.129	1	6
tbs_04	w2a_031	3960	10038	ARCD	1	6.051	101.29	98.09	91.21		0.064	2	1
tbs_04	w2a_031	3960	10039	ARCD	1	5.456	93.97	88.4	85.08		0.009	2	1
tbs_04	w2a_031	3960	10040	ARCD	1	15.18	136.43	132.87	124.54		0.357	2	2
tbs_04	w2a_031	3960	10041	ARCD	1	5.561	95.95	93.01	86.75		0.06	1	6
tbs_04	w2a_031	3960	10042	ARCD	1	4.88	92.12	90.39	83.36		0.037	2	1
tbs_04	w2a_031	3960	10043	ARCD	1	5.468	103.12	100.43	92.99		0.055	2	1
tbs_04	w2a_031	3960	10044	ARCD	1	4.307	87.22	85.49	81.19		0.033	2	1
tbs_04	w2a_031	3960	10045	ARCD	1	5.127	94.52	91.78	85.94			n/a	
tbs_04	w2a_031	3960	10046	ARCD	1	4.589						n/a	
tbs_04	w2a_031	3960	10047	ARCD	1	4.706	91.43	89.68	83.26			n/a	
tbs_04	w2a_031	3962	10048	ARCD	1	25.78	153.8	149.61	141.1			n/a	
tbs_04	w2a_031	3962	10049	ARCD	1	14.289	133.53	127.45	119.54			n/a	
tbs_04	w2a_031	3962	10050	ARCD	1	12.841	125.5	120.82	111.39			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031	3962	10051	ARCD	1	9.551	109.83	105.94	98.61			n/a	
tbs_04	w2a_031	3962	10052	ARCD	1	7.504	106.41	102.99	96.39			n/a	
tbs_04	w2a_031	3962	10053	ARCD	1	3.42	82.56	79.41	73.51		0.033	2	1
tbs_04	w2a_031	3962	10054	ARCD	1	4.916	96.47	92.73	87.23		0.023	1	6
tbs_04	w2a_031	3962	10055	ARCD	1	5.287	95.95	92.74	86.89		0.044	2	1
tbs_04	w2a_031	3962	10056	ARCD	1	5.093	95.32	92.91	87.44		0.069	2	2
tbs_04	w2a_031	3962	10057	ARCD	1	7.73	110.32	106.26	100.64		0.172	1	7
tbs_04	w2a_031	3962	10058	ARCD	1	7.005	102.62	99.28	92.53		0.234	1	7
tbs_04	w2a_031	3962	10059	ARCD	1	8.058	107.34	104.06	97.25		0.58	1	7
tbs_04	w2a_031	3962	10060	ARCD	1	14.543	136.47	131.39	120.9		0.356	2	2
tbs_04	w2a_031	3962	10061	ARCD	1	10.912	122.36	118.81	111.39		0.392	1	7
tbs_04	w2a_031	3962	10062	ARCD	1	12.368	122.05	119.12	115.07		0.341	1	7
tbs_04	w2a_031	3962	10063	ARCD	1	15.6	131.19	126.89	119.19		0.414	2	2
tbs_04	w2a_031	3962	10064	ARCD	1	12.716	131.49	125.07	117.17		0.335	2	2
tbs_04	w2a_031	3962	10065	ARCD	1	7.547	104.44	100.36	95.4			n/a	
tbs_04	w2a_031	3962	10066	ARCD	1	6.679	100.72	98.37	92.04			n/a	
tbs_04	w2a_031	3962	10067	ARCD	1	5.844	98.11	94.51	88.69			n/a	
tbs_04	w2a_031	3965	10068	ARCD	1	3.367	79.37	76.82	71.65		0.018	1	6
tbs_04	w2a_031	3965	10069	ARCD	1	5.99	99.29	96.46	90.34		0.09	1	6
tbs_04	w2a_031	3965	10070	ARCD	1	8.309	107.04	104.38	98.01		0.076	1	7
tbs_04	w2a_031	3965	10071	ARCD	1	9.175	115.48	111.44	103.8		0.106	1	6
tbs_04	w2a_031	3965	10072	ARCD	1	11.765	119.05	113.62	108.58		0.303	2	2
tbs_04	w2a_031	3965	10073	ARCD	1	9.051	117.45	112.02	104.47		0.105	2	2
tbs_04	w2a_031	3965	10074	ARCD	1	5.935	104.53	101.8	94.74		0.1	2	2
tbs_04	w2a_031	3965	10075	ARCD	1	10.181	118.11	113.48	105.73		0.218	2	2
tbs_04	w2a_031	3965	10076	ARCD	1	7.093	104.7	99.72	93.75		0.018	1	6
tbs_04	w2a_031	3965	10077	ARCD	1	7.386	104.48	100.52	95.26		0.125	2	2
tbs_04	w2a_031	3965	10078	ARCD	1	6.077	99.43	96.54	89.66		0.085	1	6
tbs_04	w2a_031	3965	10079	ARCD	1	6.595	96.51	93.2	87.86		0.102	2	2
tbs_04	w2a_031	3965	10080	ARCD	1	4.515	89.26	86.17	80.69		0.05	2	1
tbs_04	w2a_031	3965	10081	ARCD	1	2.655	82.19	78.19	74.53		0.001	0	Unknown
tbs_04	w2a_031	3965	10082	ARCD	1	3.655	83.91	80.41	75.23		0.011	0	Unknown
tbs_04	w2a_031	3965	10083	ARCD	1	2.374	77.25	73.75	69.54		0.036	2	1
tbs_04	w2a_031	3965	10084	ARCD	1	8.495	104.69	100.27	93.53			n/a	
tbs_04	w2a_031	3965	10085	ARCD	1	11.659	117.14	113.15	105.41			n/a	
tbs_04	w2a_031	3965	10086	ARCD	1	9.693	114.85	110.23	103.89			n/a	
tbs_04	w2a_031	3965	10087	ARCD	1	14.919	133.52	127.63	120.05			n/a	
tbs_04	w2a_031	3966	10088	ARCD	1	2.022	71.86	67.39	59.73			0	Unknown
tbs_04	w2a_031	3966	10089	ARCD	1	11.521	124.45	120.01	112.77		0.259	n/a	
tbs_04	w2a_031	3966	10090	ARCD	1	6.513	99.05	95.08	89.86		0.109	1	6

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
tbs_04	w2a_031	3966	10091	ARCD	1	13.408	129.72	127.8	119.93		0.424	2	2
tbs_04	w2a_031	3966	10092	ARCD	1	7.783	113.73	108.12	103.3		0.029	n/a	
tbs_04	w2a_031	3966	10093	ARCD	1	4.729	97.9	95	90			n/a	
tbs_04	w2a_031	3966	10094	ARCD	1	6.387	104.69	101.92	94.88			n/a	
tbs_04	w2a_031	3966	10095	ARCD	1	7.375	105.65	102.34	93.8		0.044	n/a	
tbs_04	w2a_031	3966	10096	ARCD	1	6.822	109.4	104.04	96.7			n/a	
tbs_04	w2a_031	3966	10097	ARCD	1	11.566	126.13	120.49	115.33		0.412	n/a	
tbs_04	w2a_031	3966	10098	ARCD	1	6.538	101.73	99.5	91.19		0.084	n/a	
tbs_04	w2a_031	3966	10099	ARCD	1	6.588	102.6	99.61	94.1		0.08	n/a	
tbs_04	w2a_031	3966	10100	ARCD	1	6.107	98.45	95.14	88.52		0.065	n/a	
tbs_04	w2a_031	3966	10101	ARCD	1	8.021	110.74	108.7	101.89		0.22	1	6
tbs_04	w2a_031	3966	10102	ARCD	1	13.125	126.29	121.37	112.87		0.192	1	6
tbs_04	w2a_031	3966	10103	ARCD	1	7.068	107.64	102.75	97.53		0.045	1	6
tbs_04	w2a_031	3966	10104	ARCD	1	6.625	106.01	99.33	96.32			n/a	
tbs_04	w2a_031	3966	10105	ARCD	1	7.772	108.69	105.03	100.51			n/a	
tbs_04	w2a_031	3966	10106	ARCD	1	8.181	114.09	104.54	101.67			n/a	
tbs_04	w2a_031	3966	10107	ARCD	1	12.122			114.17			n/a	
tbs_04	w2a_031	3967	10108	ARCD	1	4.394	87.48	83.21	78.61		0.026	1	6
tbs_04	w2a_031	3967	10109	ARCD	1	14.801	130.03	126.64	115.87		0.374	2	2
tbs_04	w2a_031	3967	10110	ARCD	1	5.111	95.21	91.99	86.9		0.012	0	Unknown
tbs_04	w2a_031	3967	10111	ARCD	1	5.323	96.4	93.16	87.11		0.025	1	6
tbs_04	w2a_031	3967	10112	ARCD	1	5.573	93.85	89.15	84.16		0.06	2	2
tbs_04	w2a_031	3967	10113	ARCD	1	5.55	91.92	88.93	83.36		0.148	1	7
tbs_04	w2a_031	3967	10114	ARCD	1	5.42	97.88	92.89	87.73		0.001	0	Unknown
tbs_04	w2a_031	3967	10115	ARCD	1	8.8	115.08	109.32	99.16		0.204	2	2
tbs_04	w2a_031	3967	10116	ARCD	1	12.888	120.41	116.93	110.14		0.577	1	7
tbs_04	w2a_031	3967	10117	ARCD	1	14.291	132.86	125.23	119.49		0.368	2	2
tbs_04	w2a_031	3967	10118	ARCD	1	10.779	121.17	116.45	110.7		0.252	2	2
tbs_04	w2a_031	3967	10119	ARCD	1	8.262	109.77	106.44	99.06		0.455	1	7
tbs_04	w2a_031	3967	10120	ARCD	1	11.595	117.12	112.16	102.9		0.556	1	7
tbs_04	w2a_031	3967	10121	ARCD	1	13.66	134.9	129.8	122.16		0.309	2	2
tbs_04	w2a_031	3967	10122	ARCD	1	3.705	85.2	81.98	79.11			n/a	
tbs_04	w2a_031	3967	10123	ARCD	1	6.072	96.75	93.97	87.64			n/a	
tbs_04	w2a_031	3967	10124	ARCD	1	9.852	122.87	117.03	108.86			n/a	
tbs_04	w2a_031	3967	10125	ARCD	1	11.829	130.33	125.49	117.93			n/a	
tbs_04	w2a_031	3967	10126	ARCD	1	13.111	131.33	125.94	118.26			n/a	
tbs_04	w2a_031	3967	10127	ARCD	1	43.047	185.59	176.77	165.21			n/a	
dal_hc5	w2a_035	4978	10128	ARCD	1	3.343	85.21	81.87	76.3		0.081	1	7
dal_hc5	w2a_035	4978	10129	ARCD	1	3.749	83.71	81.34	77.66		0.067	2	2
dal_hc5	w2a_035	4978	10130	ARCD	1	4.593	98.17	95	88.17		0.053	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	w2a_035	4978	10131	ARCD	1	5.297	98.13	94.57	86.61		0.07	2	2
dal_hc5	w2a_035	4978	10132	ARCD	1	11.146	122.17	117.28	108.47		0.509	1	7
dal_hc5	w2a_035	4978	10133	ARCD	1	13.68	126.7	122.4	113.61		0.463	2	2
dal_hc5	w2a_035	4978	10134	ARCD	1	12.97	122.01	116.64	110.71		0.902	1	7
dal_hc5	w2a_035	4978	10135	ARCD	1	14.601	128.63	125.09	115.1		0.763	1	7
dal_hc5	w2a_035	4978	10136	ARCD	1	14.824	133.37	128.39	120.27		0.327	2	2
dal_hc5	w2a_035	4978	10137	ARCD	1	14.484	129.1	124.67	117.94		0.397	2	2
dal_hc5	w2a_035	4978	10138	ARCD	1	13.866	131.32	127.32	120.52		1.151	1	7
dal_hc5	w2a_035	4978	10139	ARCD	1	22.72	144.38	140.26	131.77		0.875	2	2
dal_hc5	w2a_035	4978	10140	ARCD	1	6.391	95.24	90.83	87.65		0.4	1	7
dal_hc5	w2a_035	4978	10141	ARCD	1	4.023	88.25	85.39	80.84			n/a	
dal_hc5	w2a_035	4978	10142	ARCD	1	6.335	103.42	100.31	93.75			n/a	
dal_hc5	w2a_035	4978	10143	ARCD	1	7.077	102.02	100.03	94.23			n/a	
dal_hc5	w2a_035	4978	10144	ARCD	1	10.394	115.77	112	105.16			n/a	
dal_hc5	w2a_035	4978	10145	ARCD	1	9.46	108.91	105.29	98.16			n/a	
dal_hc5	w2a_035	4978	10146	ARCD	1	13.519	121.93	119.49	115.38			n/a	
dal_hc5	w2a_035	4978	10147	ARCD	1	10.63	119.71	115.49	108.02			n/a	
dal_hc5	w2a_035	4985	10148	ARCD	1	27.173	159.72	151.1	141.25		0.855	2	1
dal_hc5	w2a_035	4985	10149	ARCD	1	18.622	145.02	138.3	130.24		0.472	2	1
dal_hc5	w2a_035	4985	10150	ARCD	1	3.16	79.14	75.52	72.27		0.085	2	1
dal_hc5	w2a_035	4985	10151	ARCD	1	3.383	85.38	81.89	79.89		0.067	1	6
dal_hc5	w2a_035	4985	10152	ARCD	1	7.303	104.7	101.05	95.68		0.375	1	7
dal_hc5	w2a_035	4985	10153	ARCD	1	6.151	103.05	100.18	94.78		0.249	1	7
dal_hc5	w2a_035	4985	10154	ARCD	1	7.161	105.7	100.61	94.86		0.32	1	7
dal_hc5	w2a_035	4985	10155	ARCD	1	11.948	118.08	114.92	107.91		0.422	1	7
dal_hc5	w2a_035	4985	10156	ARCD	1	12.159	120.42	116.95	109.88		0.526	1	7
dal_hc5	w2a_035	4985	10157	ARCD	1	11.713	116.92	113.57	105.35		0.603	1	7
dal_hc5	w2a_035	4985	10158	ARCD	1	13.504	131.47	127	118.87		0.426	1	7
dal_hc5	w2a_035	4985	10159	ARCD	1	10.116	112.74	110.43	104.84		0.42	1	7
dal_hc5	w2a_035	4985	10160	ARCD	1	16.163	131.51	126.14	118.23		0.795	1	7
dal_hc5	w2a_035	4985	10161	ARCD	1	19.241	148.81	143.03	135.03		0.817	1	7
dal_hc5	w2a_035	4985	10162	ARCD	1	3.65	87.88	84.8	80.78			n/a	
dal_hc5	w2a_035	4985	10163	ARCD	1	5.683	106.5	101.03	96.44			n/a	
dal_hc5	w2a_035	4985	10164	ARCD	1	9.191	108.61	103.64	97.87			n/a	
dal_hc5	w2a_035	4985	10165	ARCD	1	11.643	120.1	115.89	108.04			n/a	
dal_hc5	w2a_035	4985	10166	ARCD	1	12.816	122.48	117.08	110.64			n/a	
dal_hc5	w2a_035	4985	10167	ARCD	1	14.061	131.93	127.78	120.06			n/a	
dal_hc5	w2a_035	4992	10168	ARCD	1	9.292	109.73	105.49	98.93		0.219	1	7
dal_hc5	w2a_035	4992	10169	ARCD	1	13.037	114.04	108.52	101.35		0.368	1	6
dal_hc5	w2a_035	4992	10170	ARCD	1	2.08	73.98	70.86	67.75		0.014	2	1

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dal_hc5	w2a_035	4992	10171	ARCD	1	4.27	89.21	85.91	81.75		0.071	2	2
dal_hc5	w2a_035	4992	10172	ARCD	1	5.05	93.15	89.13	84.31		0.051	2	2
dal_hc5	w2a_035	4992	10173	ARCD	1	5.402	97.43	93.27	87.6		0.114	1	7
dal_hc5	w2a_035	4992	10174	ARCD	1	7.774	105.89	102.75	95.16		0.228	1	7
dal_hc5	w2a_035	4992	10175	ARCD	1	7.035	107.14	103.16	96.45		0.305	1	7
dal_hc5	w2a_035	4992	10176	ARCD	1	8.936	114.7	111.37	102.94		0.225	2	2
dal_hc5	w2a_035	4992	10177	ARCD	1	12.303	120.55	116.88	108.79		0.611	1	7
dal_hc5	w2a_035	4992	10178	ARCD	1	11.075	124.06	118.93	112.9		0.289	2	2
dal_hc5	w2a_035	4992	10179	ARCD	1	10.883	120.09	115.81	110.4		0.464	1	7
dal_hc5	w2a_035	4992	10180	ARCD	1	12.91	120.57	117.02	109.26		0.836	1	7
dal_hc5	w2a_035	4992	10181	ARCD	1	23.686	142.55	140.15	130.27		2.403	1	7
dal_hc5	w2a_035	4992	10182	ARCD	1	3.59	84.7	81.35	76.59			n/a	
dal_hc5	w2a_035	4992	10183	ARCD	1	6.463	105.1	99.91	93.47			n/a	
dal_hc5	w2a_035	4992	10184	ARCD	1	7.932	106.96	103.78	98.15			n/a	
dal_hc5	w2a_035	4992	10185	ARCD	1	9.466	112.48	108.37	102.06			n/a	
dal_hc5	w2a_035	4992	10186	ARCD	1	10.892	115.63	112.32	103.18			n/a	
dal_hc5	w2a_035	4992	10187	ARCD	1	16.663	137.21	131.95	122.94			n/a	
dal_hc5	w2a_035	4995	10188	ARCD	1	14.936	136.13	131.91	124.22		0.773	1	7
dal_hc5	w2a_035	4995	10189	ARCD	1	14.303	126.93	122.21	113.78		0.422	1	7
dal_hc5	w2a_035	4995	10190	ARCD	1	9.992	113.96	110.48	103.78		0.232	n/a	
dal_hc5	w2a_035	4995	10191	ARCD	1	13.473	131.99	124.74	117.88		0.471	n/a	
dal_hc5	w2a_035	4995	10192	ARCD	1	13.064	130.19	124.41	117.88		0.342	n/a	
dal_hc5	w2a_035	4995	10193	ARCD	1	15.745	130.16	125.8	116.68		0.925	n/a	
dal_hc5	w2a_035	4995	10194	ARCD	1	18.494	140.45	134.66	128.99		0.312	n/a	
dal_hc5	w2a_035	4995	10195	ARCD	1	5.256	93.19	88.86	84.87		0.065	2	1
dal_hc5	w2a_035	4995	10196	ARCD	1	5.309	97.94	94.84	89.18		0.084	2	1
dal_hc5	w2a_035	4995	10197	ARCD	1	10.427	115.27	111.47	104.88		0.466	1	7
dal_hc5	w2a_035	4995	10198	ARCD	1	12.285	125.21	120.59	113.52		0.409	1	7
dal_hc5	w2a_035	4995	10199	ARCD	1	13.185	122.01	118.62	111.33		0.337	2	2
dal_hc5	w2a_035	4995	10200	ARCD	1	16.956	133.16	128.09	120		1.068	1	7
dal_hc5	w2a_035	4995	10201	ARCD	1	10.688	123.68	119.15	110.5			n/a	
dal_hc5	w2a_035	4995	10202	ARCD	1	20.505	147.21	142.68	137.37		0.774	n/a	
dal_hc5	w2a_035	4995	10203	ARCD	1	12.368	125.94	121.28	115.39			n/a	
dal_hc5	w2a_035	4995	10204	ARCD	1	17.409	145.49	137.7	127.65			n/a	
dal_hc5	w2a_035	4995	10205	ARCD	1	8.498	110.63	104.55	100.05			n/a	
dal_hc5	w2a_035	4995	10206	ARCD	1	3.352	87.5	84.16	79.07			n/a	
dal_hc5	w2a_035	4997	10207	ARCD	1	15.977	133.39	127.54	120.98			n/a	
dal_hc5	w2a_035	4997	10208	ARCD	1	4.189	91.02	86.82	81.9		0.055	1	7
dal_hc5	w2a_035	4997	10209	ARCD	1	4.899	94.55	91.66	86.83		0.17	2	1
dal_hc5	w2a_035	4997	10210	ARCD	1	5.715	98.13	94.47	89.11		0.233	1	7

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_hc5	w2a_035	4997	10211	ARCD	1	10.518	116.86	111.66	103.72		0.462	1	7
dal_hc5	w2a_035	4997	10212	ARCD	1	25.486	160.78	153.6	147.26		0.917	2	2
dal_hc5	w2a_035	4997	10213	ARCD	1	12.428	123.62	119.55	112.91		0.32	2	2
dal_hc5	w2a_035	4997	10214	ARCD	1	10.648	118.45	114.17	106.86		0.272	2	2
dal_hc5	w2a_035	4997	10215	ARCD	1	16.457	133.41	127.39	121.51		0.676	1	7
dal_hc5	w2a_035	4997	10216	ARCD	1	14.882	136.15	125.96	120.15		0.341	2	2
dal_hc5	w2a_035	4997	10217	ARCD	1	8.304	111.93	106.15	101.6		0.557	1	7
dal_hc5	w2a_035	4997	10218	ARCD	1	16.269	141.33	133.44	125.98		0.424	2	2
dal_hc5	w2a_035	4997	10219	ARCD	1	10.719	128.3	124.46	115.44		0.305	2	2
dal_hc5	w2a_035	4997	10220	ARCD	1	11.243	122.45	116.17	110.72		0.833	1	7
dal_hc5	w2a_035	4997	10221	ARCD	1	4.365	92.03	88.32	82.71			n/a	
dal_hc5	w2a_035	4997	10222	ARCD	1	4.315	88.99	86.17	81.02			n/a	
dal_hc5	w2a_035	4997	10223	ARCD	1	4.007	89.47	87.01	82.58			n/a	
dal_hc5	w2a_035	4997	10224	ARCD	1	8.07	109.95	107.45	101.08			n/a	
dal_hc5	w2a_035	4997	10225	ARCD	1	7.305	106.04	103.59	97.46			n/a	
dal_hc5	w2a_035	4997	10226	ARCD	1	12.427	128.92	124.75	117.44			n/a	
dal_hc5	w2a_035	4997	10227	ARCD	1	8.999	118.97	115.61	108.27			n/a	
dal_hc5	w2a_035	4998	10228	ARCD	1	2.136	68.42	65.42	60.75		0.019	2	1
dal_hc5	w2a_035	4998	10229	ARCD	1	4.883	93.48	89.67	84.54		0.029	1	6
dal_hc5	w2a_035	4998	10230	ARCD	1	4.949	90.01	87.02	83.39		0.07	1	6
dal_hc5	w2a_035	4998	10231	ARCD	1	4.793	92.97	88.85	83.85		0.161	1	6
dal_hc5	w2a_035	4998	10232	ARCD	1	4.76	90.55	87.34	82.31		0.11	1	6
dal_hc5	w2a_035	4998	10233	ARCD	1	6.189	103.76	98.13	93.82		0.098	2	2
dal_hc5	w2a_035	4998	10234	ARCD	1	11.207	115.43	110.46	103.91		0.197	1	7
dal_hc5	w2a_035	4998	10235	ARCD	1	10.741	118.21	113.64	106.74		0.308	1	7
dal_hc5	w2a_035	4998	10236	ARCD	1	10.215	115.86	109.96	102.83		0.54	1	7
dal_hc5	w2a_035	4998	10237	ARCD	1	12.621	126.71	120.13	113.81		0.42	1	7
dal_hc5	w2a_035	4998	10238	ARCD	1	27.776	170.17	163.28	153.66		2.025	1	7
dal_hc5	w2a_035	4998	10239	ARCD	1	15.408	130.66	124.67	117.11		1.016	1	7
dal_hc5	w2a_035	4998	10240	ARCD	1	18.309	137.88	130.14	123.59		0.977	1	7
dal_hc5	w2a_035	4998	10241	ARCD	1	16.383	140.13	133.51	124.17			n/a	
dal_hc5	w2a_035	4998	10242	ARCD	1	14.143	124.17	117.68	112.42			n/a	
dal_hc5	w2a_035	4998	10243	ARCD	1	9.762	118.33	113.7	107.07			n/a	
dal_hc5	w2a_035	4998	10244	ARCD	1	7.395	97.48	92.16	86.61			n/a	
dal_hc5	w2a_035	4998	10245	ARCD	1	11.501	127.5	122.45	115.33			n/a	
dal_hc5	w2a_035	4998	10246	ARCD	1	2.826	82.73	79.28	74.24			n/a	
dal_hc5	w2a_035	4998	10247	ARCD	1	4.102	91.3	87.77	81.43			n/a	
kug_01	bbt_005_006	911	10248	ARCD	1	1.227	52.92	51.86	50.01			0	Unknown
kug_01	bbt_005_006	911	10249	ARCD	1	0.265	36.11	42.19	32.02			0	Unknown
kug_01	bbt_005_006	911	10250	ARCD	1	0.509	44.24	42.19	39.82	0.006		0	Unknown

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_01	bbt_005_006	911	10251	ARCD	1	0.934	51.63	49.83	45.86			0	Unknown
kug_01	bbt_005_006	911	10252	ARCD	1	0.382	40.54		36.66			0	Unknown
kug_hc4	mwt_009	2150	10253	ARCD	1	0.859	51.34	49.68	44.72			n/a	
kug_hc4	mwt_009	2150	10254	ARCD	1	0.86	50.83	49.14	46.16			n/a	
gry_01	w2a_020	2265	10255	ARCD	1	0.314	38.57	37.55	35.88			n/a	
gry_01	w2a_020	2265	10256	ARCD	1	0.517	49.83	48.8	45.94			n/a	
gry_01	w2a_020	2265	10257	ARCD	1	0.597						n/a	
gry_01	w2a_020	2265	10258	ARCD	1	0.56	46.66	45.66	42.5			n/a	
gry_01	w2a_020	2265	10259	ARCD	1	0.461	46.11	45.28	42.31			n/a	
gry_01	w2a_020	2265	10260	ARCD	1	0.55	49.21	48.27	44.26			n/a	
gry_01	w2a_020	2265	10261	ARCD	1	0.851	50.08	48.73	45.33			n/a	
gry_01	w2a_020	2265	10262	ARCD	1	0.659	49.35	48.52	45.36			n/a	
gry_01	w2a_020	2269	10263	ARCD	1	0.099	26.56	25.29	22.85			n/a	
gry_01	w2a_020	2269	10264	ARCD	1	0.084						n/a	
gry_01	w2a_020	2269	10266	ARCD	1	0.155	28.6	26.88	24.69			n/a	
gry_01	w2a_020	2269	10267	ARCD	1	0.122			22.34			n/a	
gry_01	w2a_020	2269	10268	ARCD	1	0.144	26.71	25.57	23.17			n/a	
gry_01	w2a_020	2269	10269	ARCD	1	0.179	26.52	25.15	22.68			n/a	
gry_01	w2a_020	2269	10270	ARCD	1	0.13	24.05	22.87	19.89			n/a	
gry_01	w2a_020	2269	10271	ARCD	1	0.16	26.9		23.95			n/a	
gry_01	w2a_020	2269	10272	ARCD	1	0.173	27.75	26.82	24.54			n/a	
gry_01	w2a_020	2269	10273	ARCD	1	0.172	29.69	28.18	24.9			n/a	
gry_01	w2a_020	2269	10274	ARCD	1	0.177	27.37		24.33			n/a	
gry_01	w2a_020	2269	10275	ARCD	1	0.133			22.64			n/a	
gry_01	w2a_020	2265	10276	ARCD	1	0.502	43.03	42.44	39.87			n/a	
gry_01	w2a_020	2265	10277	ARCD	1	0.746	50.72	49.04	46.36			n/a	
gry_01	w2a_020	2265	10278	ARCD	1	0.345	40.73	37.24	36.43			n/a	
gry_01	w2a_020	2265	10279	ARCD	1	0.331	37.91	36.69	34.29			n/a	
gry_01	w2a_020	2265	10280	ARCD	1	0.342	43	41.52	39.48			n/a	
gry_01	w2a_020	2265	10281	ARCD	1	0.621	47.16	45.73	43.28			n/a	
gry_01	w2a_020	2265	10282	ARCD	1	0.627	48.41		43.79			n/a	
gry_01	w2a_020	2265	10283	ARCD	1	0.371	40.89	39.29	36.9			n/a	
gry_01	w2a_020	2265	10284	ARCD	1	0.76	49.21	46.83	43.83			n/a	
gry_01	w2a_020	2265	10285	ARCD	1	0.776	49.82	48.9	45.98			n/a	
kug_01	bbt_005_006	911	10286	ARCD	1	1.09	56.29	54.06	50.22			n/a	
kug_01	bbt_005_006	911	10287	ARCD	1	0.929	52.02	50.73	47.73			n/a	
kug_01	bbt_005_006	911	10288	ARCD	1	0.948	53.08	51.81	48.52			n/a	
kug_01	bbt_005_006	911	10289	ARCD	1	0.727	49.52	48.86	44.46			n/a	
kug_01	bbt_005_006	911	10290	ARCD	1	0.492	44.35	43.31	41.15			n/a	
kug_01	bbt_005_006	911	10291	ARCD	1	0.625	44.28	42.61	40.54			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc3	w2a_018	2092	10292	ARCD	1	0.175	34.42	32.35	31.05			n/a	
kug_hc3	w2a_018	2092	10293	ARCD	1	0.316	39.94	38.5	34.89			n/a	
kug_hc3	w2a_018	2092	10294	ARCD	1	0.43	44.06	41.64	38.5			n/a	
kug_hc3	w2a_018	2092	10295	ARCD	1	0.181						n/a	
kug_hc3	w2a_018	2092	10296	ARCD	1	0.203	38.37	36.5	34.94			n/a	
kug_hc3	w2a_018	2092	10297	ARCD	1	0.285	43.03		39.5			n/a	
kug_hc3	w2a_018	2092	10298	ARCD	1	0.296	46.08	45.03	42.05			n/a	
kug_hc3	w2a_018	2092	10299	ARCD	1	0.181	39.82	38.5	36.71			n/a	
kug_hc3	w2a_018	2092	10300	ARCD	1	0.414						n/a	
kug_hc3	w2a_018	2092	10301	ARCD	1	0.135						n/a	
kug_hc3	w2a_018		10302	ARSS	1	0.119	27.39		22.23			0	Unknown
kug_hc1	mwt_005	1826	10303	ARCD	1	0.571	46.74	45.05	42.15			n/a	
kug_hc1	mwt_005	1826	10304	ARCD	1	0.673	48.43	47.19	43.83			n/a	
kug_hc1	mwt_005	1826	10305	ARCD	1	0.304	39.63	39.2	36.11			n/a	
kug_hc1	mwt_005	1826	10306	ARCD	1	0.268	37.92	36.55	33.57			n/a	
kug_hc1	mwt_005	1826	10307	ARCD	1	0.428	43.52	42.24	38.84			n/a	
kug_hc1	mwt_005	1826	10308	ARCD	1	0.253	38.66	37.78	35.5			n/a	
kug_hc1	mwt_005	1826	10309	ARCD	1	0.359	43.12	41.55	38.83			n/a	
kug_hc1	mwt_005	1826	10310	ARCD	1	0.285	38.1	37.32	34.62			n/a	
kug_hc1	mwt_005	1826	10311	ARCD	1	0.386	41.88	40.63	37.61			n/a	
kug_hc1	mwt_005	1826	10312	ARCD	1	0.259	37.46	35.86	33.65			n/a	
kug_hc1	mwt_005	1826	10313	ARCD	1	0.884	53.24	51.4	48.36			n/a	
kug_hc1	mwt_005	1826	10314	ARCD	1	0.61	46.06	44.29	41.9			n/a	
kug_hc1	mwt_005	1826	10315	ARCD	1	0.265	37.69	36.61	34.04			n/a	
kug_hc1	mwt_005	1826	10316	ARCD	1	0.233	36.92	35.8	33.69			n/a	
kug_hc1	mwt_005	1826	10317	ARCD	1	0.214	37.07	36	33.56			n/a	
kug_hc1	mwt_005	1826	10318	ARCD	1	0.296	37.71	36.83	34.47			n/a	
kug_hc1	mwt_005	1826	10319	ARCD	1	0.323	38.17	37.27	35.21			n/a	
kug_hc1	mwt_005	1826	10320	ARCD	1	1.384	58.56	57.15	53.52			n/a	
kug_hc1	mwt_005	1826	10321	ARCD	1	0.668	48.64	47.02	43.69			n/a	
kug_hc1	mwt_005	1826	10322	ARCD	1	1.144	55.6	53.41	50.31			n/a	
kug_hc1	mwt_005	1826	10323	ARCD	1	0.434	43.47	42.12	39.51			n/a	
kug_hc1	mwt_005	1826	10324	ARCD	1	0.483	46.52	44.99	42.24			n/a	
kug_hc1	mwt_005	1826	10325	ARCD	1	0.369	40.8	39.9	37.82			n/a	
kug_hc1	mwt_005	1826	10326	ARCD	1	0.519	46.05	44.93	41.64			n/a	
kug_hc1	mwt_005	1826	10327	ARCD	1	0.42	41.66	40.72	38.23			n/a	
kug_hc1	mwt_005	1826	10328	ARCD	1	0.437	46.04	44.55	41.52			n/a	
kug_hc1	mwt_005	1826	10329	ARCD	1	0.553	45.81	44.95	41.86			n/a	
kug_hc1	mwt_005	1826	10330	ARCD	1	0.334	39.7	38.91	35.73			n/a	
kug_hc1	mwt_005	1826	10331	ARCD	1	0.358	40.93	39.11	37.64			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc1	mwt_005	1826	10332	ARCD	1	0.482	43.08	41.13	38.96			n/a	
kug_hc1	mwt_005	1826	10333	ARCD	1	0.606	44.67	43.24	41.52			n/a	
kug_hc1	mwt_005	1826	10334	ARCD	1	0.248	34.23	33.09	31.28			n/a	
kug_hc1	mwt_005	1826	10335	ARCD	1	0.668	45.13	43.89	40.67			n/a	
kug_hc1	mwt_005	1826	10336	ARCD	1	0.322	39.8	37.55	35.82			n/a	
kug_hc1	mwt_005	1826	10337	ARCD	1	0.586	46.08	44.43	42.28			n/a	
kug_hc1	mwt_005	1826	10338	ARCD	1	0.333	37.36	35.84	34.08			n/a	
kug_hc1	mwt_005	1826	10339	ARCD	1	0.622	45.92	44.4	41.55			n/a	
kug_hc1	mwt_005	1826	10340	ARCD	1	0.341	39.5	37.81	36.07			n/a	
kug_hc1	mwt_005	1826	10341	ARCD	1	0.337	41.07	39.67	37.51			n/a	
kug_hc1	mwt_005	1826	10342	ARCD	1	0.312	38.63	37.66	35.13			n/a	
kug_hc1	mwt_005	1826	10343	ARCD	1	0.927	51.63	50.2	46.17			n/a	
kug_hc1	mwt_005	1826	10344	ARCD	1	0.613	46.28	45.04	41.65			n/a	
kug_hc1	mwt_005	1826	10345	ARCD	1	0.843	51.63	49.73	46.79			n/a	
kug_hc1	mwt_005	1826	10346	ARCD	1	0.432	44.31	42.93	37.66			n/a	
kug_hc1	mwt_005	1826	10347	ARCD	1	0.393	42.06	40.73	37.96			n/a	
kug_hc1	mwt_005	1826	10348	ARCD	1	0.485	45.28	43.8	40.39			n/a	
kug_hc1	mwt_005	1826	10349	ARCD	1	2.53	74.95	72.68	68.16			n/a	
kug_hc1	mwt_005	1826	10350	ARCD	1	0.505	46.92	44.84	42.05			n/a	
kug_hc1	mwt_005	1826	10351	ARCD	1	0.806	50.95	47.82	44.98			n/a	
kug_hc1	mwt_005	1826	10352	ARCD	1	0.379	40.32	39.68	37.26			n/a	
kug_hc1	mwt_005	1826	10353	ARCD	1	0.339	39.39	38.25	36.37			n/a	
kug_hc1	mwt_005	1826	10354	ARCD	1	0.287	39.85	38.72	35.53			n/a	
kug_hc1	mwt_005	1826	10355	ARCD	1	0.256	39.06	37.98	34.57			n/a	
kug_hc1	mwt_005	1826	10356	ARCD	1	0.205	38.37	36.98	34.72			n/a	
kug_hc1	mwt_005	1826	10357	ARCD	1	2.467	75.12	71.27	68.16			n/a	
kug_hc1	mwt_005	1826	10358	ARCD	1	0.353	40.33	38.48	36.11			n/a	
kug_hc1	mwt_005	1826	10359	ARCD	1	0.498	44.6	42.78	39.09			n/a	
kug_hc1	mwt_005	1826	10360	ARCD	1	0.378	43.13	41.65	38.41			n/a	
kug_hc1	mwt_005	1826	10361	ARCD	1	0.479	45.84	44.11	41.47			n/a	
kug_hc1	mwt_005	1826	10362	ARCD	1	0.626	46.73	45.05	41.22			n/a	
kug_hc1	mwt_005	1826	10363	ARCD	1	0.373	40.43	39.01	36.19			n/a	
kug_hc1	mwt_005	1826	10364	ARCD	1	0.446	43.82	42.36	39.28			n/a	
kug_hc1	mwt_005	1826	10365	ARCD	1	0.383	42.52	40.77	37.9			n/a	
kug_hc1	mwt_005	1826	10366	ARCD	1	0.254	38.53	37.17	34.71			n/a	
kug_hc1	mwt_005	1826	10367	ARCD	1	0.21	35.79	34.4	32.59			n/a	
kug_hc1	mwt_005	1826	10368	ARCD	1	0.415	45.99	44.59	40.65			n/a	
kug_hc1	mwt_005	1826	10369	ARCD	1	0.168	32.45		29.93			n/a	
kug_hc1	mwt_005	1826	10370	ARCD	1	0.818	52.67	51.69	46.86			n/a	
kug_hc1	mwt_005	1826	10371	ARCD	1	0.478	43.93	42.41	39.24			n/a	

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
kug_hc1	mwt_005	1826	10372	ARCD	1	0.487	44.62	42.61	39.89			n/a	
kug_hc1	mwt_005	1826	10373	ARCD	1	0.411	41.94	40.27	37.43			n/a	
kug_hc1	mwt_005	1826	10374	ARCD	1	0.413	43.6	42.57	40.26			n/a	
kug_hc1	mwt_005	1826	10375	ARCD	1	0.828	50.74	49	46.45			n/a	
kug_hc1	mwt_005	1826	10376	ARCD	1	0.238	38.49	36.72	34.38			n/a	
kug_hc1	mwt_005	1826	10377	ARCD	1	0.826	51.16	49.51	45.73			n/a	
kug_hc1	mwt_005	1826	10378	ARCD	1	0.378	41.76	39.21	37.57			n/a	
kug_hc1	mwt_005	1826	10379	ARCD	1	0.43	42.02	39.65	37.6			n/a	
kug_hc1	mwt_005	1826	10380	ARCD	1	0.551	46.58	45.55	43.22			n/a	
kug_hc1	mwt_005	1826	10381	ARCD	1	0.393	42.29	40.76	38.52			n/a	
kug_hc1	mwt_005	1826	10382	ARCD	1	0.53	44.8	43.35	40.78			n/a	
kug_05	w2a_014_015		24401	PLSC	1							n/a	
kug_05	w2a_014_015		24402	PLSC	1							n/a	
kug_04	bbt_011_012		24403	HAME	1							n/a	
kug_06	w2a_016		24404	BKSS	1							n/a	
kug_01	bbt_005_006		24405	FHSC	1							n/a	
dal_07	w2a_007a		24406	BLSC	1							n/a	
dal_04	bbt_004		24408	HAME	1							n/a	
dal_07	w2a_007a		24409	GLSS	1							n/a	
kug_05	w2a_014_015		24410	EGGC	2								
dal_07	w2a_007b		24411	GLLF	1								
dal_04	bbt_004		24412	ALPR	1							n/a	
dal_03	w2a_003		24413	LFLS	1							n/a	
dal_07	w2a_007b		24414	PLSC	1		1.012					n/a	
dal_04	w2a_004		24415	HAME	1							n/a	
dal_04	w2a_004		24417	GLLF	1							n/a	
gry_02	w2a_021		24418	LFLS	1							n/a	
gry_03	bbt_018_019		24419	UNLIPA	1							n/a	
dal_01	w2a_001	24420	24420	VGSF	1	15.625							
dal_01	bbt_001	24421	24421	SPSC	1	2.547			23.04				
dal_01	bbt_001	24422	24422	STEB	1	2.928			42.47				
dal_01	w2a_001	24423	24423	DBSH	1	4.788			66.67				
dal_01	w2a_001	24424	24424	SPSC	1	18.033			24.66				
dal_07	w2a_007b		24425	PLSC	1		0.875					n/a	
dal_01	w2a_001	24420	24426	VGSF	1				28				
dal_01	w2a_001	24420	24427	VGSF	1								
dal_01	w2a_001	24420	24428	VGSF	1								
dal_01	w2a_001	24420	24429	VGSF	1								
dal_01	w2a_001	24420	24430	VGSF	1				25.73				
dal_01	w2a_001	24420	24431	VGSF	1				25.74				

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24420	24432	VGSF	1				26.3				
dal_01	w2a_001	24420	24433	VGSF	1								
dal_01	w2a_001	24420	24434	VGSF	1				23.89				
dal_01	w2a_001	24420	24435	VGSF	1				25.07				
dal_01	w2a_001	24420	24436	VGSF	1				26.74				
dal_01	w2a_001	24420	24437	VGSF	1				22.27				
dal_01	w2a_001	24420	24438	VGSF	1				26.17				
dal_01	w2a_001	24420	24439	VGSF	1				27.14				
dal_01	w2a_001	24420	24440	VGSF	1				26.31				
dal_01	w2a_001	24420	24441	VGSF	1								
dal_01	w2a_001	24420	24442	VGSF	1				27.46				
dal_01	w2a_001	24420	24443	VGSF	1				26.83				
dal_01	w2a_001	24420	24444	VGSF	1								
dal_01	w2a_001	24420	24445	UNLISP	1								
dal_01	w2a_001	24420	24446	VGSF	1				29.17				
dal_01	w2a_001	24420	24447	VGSF	1				23.87				
dal_01	w2a_001	24420	24448	VGSF	1				25.19				
dal_01	w2a_001	24420	24449	VGSF	1				26.06				
dal_01	w2a_001	24420	24450	VGSF	1								
dal_01	w2a_001	24420	24451	VGSF	1				26.22				
dal_01	w2a_001	24420	24452	VGSF	1								
dal_01	w2a_001	24420	24453	VGSF	1								
dal_01	w2a_001	24420	24454	VGSF	1				29.03				
dal_01	w2a_001	24420	24455	VGSF	1				29.61				
dal_01	w2a_001	24420	24456	VGSF	1				28.89				
dal_01	w2a_001	24420	24457	VGSF	1								
dal_01	w2a_001	24420	24458	VGSF	1				23.79				
dal_01	w2a_001	24420	24459	VGSF	1								
dal_01	w2a_001	24420	24460	VGSF	1								
dal_01	w2a_001	24420	24461	VGSF	1								
dal_01	w2a_001	24420	24462	VGSF	1								
dal_01	w2a_001	24420	24463	VGSF	1				25.79				
dal_01	w2a_001	24420	24464	VGSF	1				26.77				
dal_01	w2a_001	24420	24465	VGSF	1				26.12				
dal_01	w2a_001	24420	24466	VGSF	1								
dal_01	w2a_001	24420	24467	VGSF	1								
dal_01	w2a_001	24420	24468	VGSF	1				25.24				
dal_01	w2a_001	24420	24469	VGSF	1				25.12				
dal_01	w2a_001	24420	24470	VGSF	1				25.78				
dal_01	w2a_001	24420	24471	VGSF	1				24.64				

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24420	24472	VGSF	1				31.59				
dal_01	w2a_001	24420	24473	VGSF	1								
dal_01	w2a_001	24420	24474	VGSF	1								
dal_01	w2a_001	24420	24475	VGSF	1				23.3				
dal_01	w2a_001	24420	24476	VGSF	1								
dal_01	w2a_001	24420	24477	VGSF	1				28.69				
dal_01	w2a_001	24420	24478	VGSF	1				25.47				
dal_01	w2a_001	24420	24479	VGSF	1								
dal_01	w2a_001	24420	24480	VGSF	1								
dal_01	w2a_001	24420	24481	VGSF	1								
dal_01	w2a_001	24420	24482	VGSF	1								
dal_01	w2a_001	24420	24483	VGSF	1								
dal_01	w2a_001	24420	24484	VGSF	1								
dal_01	w2a_001	24420	24485	VGSF	1				26.83				
dal_01	w2a_001	24420	24486	VGSF	1								
dal_01	w2a_001	24420	24487	VGSF	1								
dal_01	w2a_001	24420	24488	VGSF	1				27.91				
dal_01	w2a_001	24420	24489	VGSF	1								
dal_01	w2a_001	24420	24490	VGSF	1								
dal_01	w2a_001	24420	24491	VGSF	1								
dal_01	w2a_001	24420	24492	VGSF	1				26.15				
dal_01	w2a_001	24420	24493	VGSF	1								
dal_01	w2a_001	24420	24494	VGSF	1								
dal_01	w2a_001	24420	24495	VGSF	1								
dal_01	w2a_001	24420	24496	VGSF	1								
dal_01	w2a_001	24420	24497	VGSF	1								
dal_01	w2a_001	24420	24498	VGSF	1				27.06				
dal_01	w2a_001	24420	24499	VGSF	1								
dal_01	w2a_001	24420	24500	VGSF	1								
dal_01	w2a_001	24420	24519	VGSF	1				25.31				
dal_01	w2a_001	24420	24520	VGSF	1								
dal_01	w2a_001	24420	24521	VGSF	1								
dal_01	w2a_001	24420	24522	VGSF	1								
dal_01	w2a_001	24424	24523	SPSC	1				21.59				
dal_01	w2a_001	24424	24524	SPSC	1				22.75				
dal_01	w2a_001	24424	24525	SPSC	1				22.38				
dal_01	w2a_001	24424	24526	SPSC	1				21.97				
dal_01	w2a_001	24424	24527	SPSC	1				20.84				
dal_01	w2a_001	24424	24528	SPSC	1								
dal_01	w2a_001	24424	24529	SPSC	1								

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24424	24530	SPSC	1				24.14				
dal_01	w2a_001	24424	24531	SPSC	1				22.71				
dal_01	w2a_001	24424	24532	SPSC	1				23.6				
dal_01	w2a_001	24424	24533	SPSC	1				21.69				
dal_01	w2a_001	24424	24534	SPSC	1				22.15				
dal_01	w2a_001	24424	24535	SPSC	1				23.4				
dal_01	w2a_001	24424	24536	SPSC	1								
dal_01	w2a_001	24424	24537	SPSC	1				23.61				
dal_01	w2a_001	24424	24538	SPSC	1				24.09				
dal_01	w2a_001	24424	24539	SPSC	1				22.6				
dal_01	w2a_001	24424	24540	SPSC	1								
dal_01	w2a_001	24424	24541	SPSC	1				22.34				
dal_01	w2a_001	24424	24542	SPSC	1								
dal_01	w2a_001	24424	24543	SPSC	1				24.2				
dal_01	w2a_001	24424	24544	SPSC	1				23.44				
dal_01	w2a_001	24424	24545	SPSC	1								
dal_01	w2a_001	24424	24546	SPSC	1				21.83				
dal_01	w2a_001	24424	24547	SPSC	1				22.29				
dal_01	w2a_001	24424	24548	SPSC	1								
dal_01	w2a_001	24424	24549	SPSC	1				22.1				
dal_01	w2a_001	24424	24550	SPSC	1				23.88				
dal_01	w2a_001	24424	24551	SPSC	1								
dal_01	w2a_001	24424	24552	SPSC	1								
dal_01	w2a_001	24424	24553	SPSC	1				22.75				
dal_01	w2a_001	24424	24554	SPSC	1								
dal_01	w2a_001	24424	24555	SPSC	1				22.24				
dal_01	w2a_001	24424	24556	SPSC	1								
dal_01	w2a_001	24424	24557	SPSC	1				21.48				
dal_01	w2a_001	24424	24558	SPSC	1				22.54				
dal_01	w2a_001	24424	24559	SPSC	1				23.73				
dal_01	w2a_001	24424	24560	SPSC	1				24.61				
dal_01	w2a_001	24424	24561	SPSC	1								
dal_01	w2a_001	24424	24562	SPSC	1				23.2				
dal_01	w2a_001	24424	24563	SPSC	1				21.57				
dal_01	w2a_001	24424	24564	VG SF	1								
dal_01	w2a_001	24424	24565	SPSC	1								
dal_01	w2a_001	24424	24566	SPSC	1				21.15				
dal_01	w2a_001	24424	24567	SPSC	1				22.8				
dal_01	w2a_001	24424	24568	VG SF	1								
dal_01	w2a_001	24424	24569	SPSC	1								

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24424	24570	VGSF	1								
dal_01	w2a_001	24424	24571	SPSC	1				24.54				
dal_01	w2a_001	24424	24572	SPSC	1								
dal_01	w2a_001	24424	24573	SPSC	1				21.52				
dal_01	w2a_001	24424	24574	SPSC	1								
dal_01	w2a_001	24424	24575	SPSC	1				22.97				
dal_01	w2a_001	24424	24576	SPSC	1								
dal_01	w2a_001	24424	24577	SPSC	1				22.95				
dal_01	w2a_001	24424	24578	SPSC	1				25.25				
dal_01	w2a_001	24424	24579	SPSC	1				22.47				
dal_01	w2a_001	24424	24580	SPSC	1				20.75				
dal_01	w2a_001	24424	24581	SPSC	1				22.82				
dal_01	w2a_001	24424	24582	SPSC	1				22.5				
dal_01	w2a_001	24424	24583	SPSC	1								
dal_01	w2a_001	24424	24584	SPSC	1				23.21				
dal_01	w2a_001	24424	24585	SPSC	1				23.67				
dal_01	w2a_001	24424	24586	SPSC	1				23.36				
dal_01	w2a_001	24424	24587	SPSC	1				21.33				
dal_01	w2a_001	24424	24588	SPSC	1								
dal_01	w2a_001	24424	24589	SPSC	1								
dal_01	w2a_001	24424	24590	SPSC	1				22.5				
dal_01	w2a_001	24424	24591	SPSC	1								
dal_01	w2a_001	24424	24592	SPSC	1				22.34				
dal_01	w2a_001	24424	24593	SPSC	1				23.19				
dal_01	w2a_001	24424	24594	SPSC	1								
dal_01	w2a_001	24424	24595	SPSC	1								
dal_01	w2a_001	24424	24596	SPSC	1								
dal_01	w2a_001	24424	24597	SPSC	1								
dal_01	w2a_001	24424	24598	SPSC	1				21.4				
dal_01	w2a_001	24424	24599	VGSF	1				21.49				
dal_01	w2a_001	24424	24901	VGSF	1				24.62				
dal_01	w2a_001	24424	24902	SPSC	1				20.63				
dal_01	w2a_001	24424	24903	SPSC	1								
dal_01	w2a_001	24424	24904	SPSC	1				24.58				
dal_01	w2a_001	24424	24905	SPSC	1				22.67				
dal_01	w2a_001	24424	24906	SPSC	1								
dal_01	w2a_001	24424	24907	SPSC	1				23.3				
dal_01	w2a_001	24424	24908	SPSC	1								
dal_01	w2a_001	24424	24909	SPSC	1								
dal_01	w2a_001	24424	24910	SPSC	1				22.33				

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24424	24911	SPSC	1				23.01				
dal_01	w2a_001	24424	24912	SPSC	1				21.21				
dal_01	w2a_001	24424	24913	SPSC	1								
dal_01	w2a_001	24424	24914	SPSC	1								
dal_01	w2a_001	24424	24915	SPSC	1								
dal_01	w2a_001	24424	24916	SPSC	1				23.55				
dal_01	w2a_001	24424	24917	SPSC	1				24.25				
dal_01	w2a_001	24424	24918	SPSC	1				22.96				
dal_01	w2a_001	24424	24919	SPSC	1				20.25				
dal_01	w2a_001	24424	24920	SPSC	1				23.83				
dal_01	w2a_001	24424	24921	SPSC	1				23.96				
dal_01	w2a_001	24424	24922	SPSC	1								
dal_01	w2a_001	24424	24923	SPSC	1				23.36				
dal_01	w2a_001	24424	24924	SPSC	1								
dal_01	w2a_001	24424	24925	UNICSP	1								
dal_01	w2a_001	24424	24926	SPSC	1				24.28				
dal_01	w2a_001	24424	24927	SPSC	1								
dal_01	w2a_001	24424	24928	VGSF	1								
dal_01	w2a_001	24424	24929	SPSC	1				21.36				
dal_01	w2a_001	24424	24930	SPSC	1				22.89				
dal_01	w2a_001	24424	24931	SPSC	1				21.8				
dal_01	w2a_001	24424	24932	SPSC	1								
dal_01	w2a_001	24424	24933	SPSC	1				23.35				
dal_01	w2a_001	24424	24934	SPSC	1								
dal_01	w2a_001	24424	24935	SPSC	1								
dal_01	w2a_001	24424	24936	SPSC	1				21.8				
dal_01	w2a_001	24424	24937	VGSF	1								
dal_01	w2a_001	24424	24938	SPSC	1				22.58				
dal_01	w2a_001	24424	24939	SPSC	1								
dal_01	w2a_001	24424	24940	SPSC	1								
dal_01	w2a_001	24424	24941	SPSC	1								
dal_01	w2a_001	24424	24942	VGSF	1								
dal_01	w2a_001	24424	24943	SPSC	1								
dal_01	w2a_001	24424	24944	SPSC	1				21.79				
dal_01	w2a_001	24424	24945	VGSF	1								
dal_01	w2a_001	24424	24946	SPSC	1				22.02				
dal_01	w2a_001	24424	24947	SPSC	1				21.77				
dal_01	w2a_001	24424	24948	SPSC	1								
dal_01	w2a_001	24424	24949	VGSF	1								
dal_01	w2a_001	24424	24950	SPSC	1				22.28				

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24424	24951	SPSC	1								
dal_01	w2a_001	24424	24952	SPSC	1				20.87				
dal_01	w2a_001	24424	24953	SPSC	1				24.31				
dal_01	w2a_001	24424	24954	SPSC	1								
dal_01	w2a_001	24424	24955	SPSC	1				20.79				
dal_01	w2a_001	24424	24956	SPSC	1								
dal_01	w2a_001	24424	24957	SPSC	1								
dal_01	w2a_001	24424	24958	SPSC	1								
dal_01	w2a_001	24424	24959	SPSC	1				22.38				
dal_01	w2a_001	24424	24960	SPSC	1								
dal_01	w2a_001	24424	24961	SPSC	1				21.85				
dal_01	w2a_001	24424	24962	SPSC	1								
dal_01	w2a_001	24424	24963	SPSC	1								
dal_01	w2a_001	24424	24964	SPSC	1				23.56				
dal_01	w2a_001	24424	24965	SPSC	1				22.1				
dal_01	w2a_001	24424	24966	SPSC	1				22.6				
dal_01	w2a_001	24424	24967	SPSC	1				21.44				
dal_01	w2a_001	24424	24968	SPSC	1				21.9				
dal_01	w2a_001	24424	24969	SPSC	1								
dal_01	w2a_001	24424	24970	SPSC	1				18.52				
dal_01	w2a_001	24424	24971	SPSC	1								
dal_01	w2a_001	24424	24972	SPSC	1								
dal_01	w2a_001	24424	24973	SPSC	1				22.74				
dal_01	bbt_001	24422	24974	STEB	1								
dal_01	bbt_001	24422	24975	STEB	1				38.15				
dal_01	bbt_001	24422	24976	STEB	1								
dal_01	bbt_001	24422	24977	STEB	1				43.59				
dal_01	bbt_001	24422	24978	STEB	1				35.93				
dal_01	bbt_001	24422	24979	STEB	1				40.73				
dal_01	bbt_001	24422	24980	STEB	1				40.39				
dal_01	bbt_001	24422	24981	STEB	1				42.66				
dal_01	bbt_001	24422	24982	STEB	1								
dal_01	bbt_001	24422	24983	STEB	1								
dal_01	bbt_001	24422	24984	STEB	1								
dal_01	bbt_001	24422	24985	STEB	1								
dal_01	bbt_001	24422	24986	STEB	1								
dal_01	bbt_001	24422	24987	STEB	1				39.32				
dal_01	bbt_001	24422	24988	STEB	1				35.93				
dal_01	bbt_001	24422	24989	STEB	1				41.4				
dal_01	bbt_001	24422	24990	STEB	1								

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	bbt_001	24422	24991	STEB	1								
dal_01	bbt_001	24422	24992	STEB	1								
dal_01	bbt_001	24422	24993	STEB	1								
dal_01	bbt_001	24422	24994	STEB	1								
dal_01	bbt_001	24422	24995	STEB	1								
dal_01	bbt_001	24422	24996	STEB	1								
dal_01	bbt_001	24422	24997	STEB	1								
dal_01	bbt_001	24421	24998	SPSC	1								
dal_01	bbt_001	24421	24999	SPSC	1				17.38				
dal_01	bbt_001	24421	25000	SPSC	1				20.62				
kug_hc3	w2a_019	2107	855967	ARCD	1	2.81	78.62	76.03	71.82		0.02	2	1
dal_hc5	w2a_035	4992	855968	ARCD	1	15.388	135.41	129.68	121.4			n/a	
dal_01	bbt_001	24421	20019001	SPSC	1				21.23				
dal_01	bbt_001	24421	20019002	ARSS	1		30.64						
dal_01	bbt_001	24421	20019003	SPSC	1				21.76				
dal_01	bbt_001	24421	20019004	SPSC	1				22.57				
dal_01	bbt_001	24421	20019005	VGSF	1				23.54				
dal_01	bbt_001	24421	20019006	SPSC	1								
dal_01	bbt_001	24421	20019007	SPSC	1				20.65				
dal_01	bbt_001	24421	20019008	SPSC	1				20.76				
dal_01	bbt_001	24421	20019009	SPSC	1								
dal_01	bbt_001	24421	20019010	SPSC	1								
dal_01	bbt_001	24421	20019011	SPSC	1				23.76				
dal_01	bbt_001	24421	20019012	SPSC	1								
dal_01	bbt_001	24421	20019013	SPSC	1				21.4				
dal_01	bbt_001	24421	20019014	SPSC	1								
dal_01	bbt_001	24421	20019015	SPSC	1				18.48				
dal_01	bbt_001	24421	20019016	SPSC	1				21.75				
dal_01	bbt_001	24421	20019017	SPSC	1								
dal_01	w2a_001	24423	20019018	STEB	1								
dal_01	w2a_001	24423	20019019	STEB	1				39.21				
dal_01	w2a_001	24423	20019020	STEB	1				42.2				
dal_01	w2a_001	24423	20019021	STEB	1								
dal_01	w2a_001	24423	20019022	STEB	1								
dal_01	w2a_001	24423	20019023	STEB	1				39.75				
dal_01	w2a_001	24423	20019024	STEB	1				44.43				
dal_01	w2a_001	24423	20019025	STEB	1								
dal_01	w2a_001	24423	20019026	STEB	1				42.06				
dal_01	w2a_001	24423	20019027	STEB	1								
dal_01	w2a_001	24423	20019028	STEB	1								

Station	Deployment ID	Bulk ID	Unique ID	Species Code	n count	Weight (g)	TL (mm)	FL (mm)	SL (mm)	Liver Weight (g)	Gonad Weight	Sex	Maturity
dal_01	w2a_001	24423	20019029	STEB	1								
dal_01	w2a_001	24423	20019030	STEB	1								
dal_01	w2a_001	24423	20019031	STEB	1				37.68				
dal_01	w2a_001	24423	20019032	STEB	1								
dal_01	w2a_001	24423	20019033	STEB	1				37.87				
dal_01	w2a_001	24423	20019034	STEB	1								
dal_01	w2a_001	24423	20019035	STEB	1								
dal_01	w2a_001	24423	20019036	STEB	1				40.72				
dal_01	w2a_001	24423	20019037	STEB	1				39.78				
dal_01	w2a_001	24423	20019038	STEB	1								
dal_01	w2a_001	24423	20019039	STEB	1								
dal_01	w2a_001	24423	20019040	STEB	1				47.32				
dal_01	w2a_001	24423	20019041	UNSTIC	1								
dal_01	w2a_001	24423	20019042	STEB	1				40.95				
dal_01	w2a_001	24423	20019043	STEB	1								
dal_01	w2a_001	24423	20019044	UNSTIC	1								
dal_01	w2a_001	24423	20019045	STEB	1								
dal_01	w2a_001	24423	20019046	STEB	1								
dal_01	w2a_001	24423	20019047	STEB	1								
dal_01	w2a_001	24423	20019048	STEB	1								
dal_01	w2a_001	24423	20019049	STEB	1								
dal_01	w2a_001	24423	20019050	STEB	1								