

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH AND GAME

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Fair

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Region I Supervisor

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Division of Commercial Fisheries

SUBJECT: 2024/25 SHRIMP
POT FISHERY
GHL MEMO -
PUBLIC

This memorandum provides a summary of recommendations and plans by Southeast Alaska (SEAK) Region fishery management biologists for the 2024/25 commercial shrimp pot fishery season that opens May 15, 2024.

COMMENTS ON REVIEW PROCESS

Management and research staff met via MS Teams on March 20, 2024, to review and discuss spot and coonstripe shrimp stock status for each of the 22 regulatory shrimp pot fishing areas within SEAK. Research staff summarized available information for each area in the draft *Southeast Pot Shrimp Stock Status Prior to the 2024/25 Season* (Schoenfeld & Smith *In Prep.*) report and area management staff completed the review by providing fishery summaries and upcoming fishery management strategies for each of their areas.

SEASON CHANGE

The Southeast shrimp pot fishery was changed from a primarily fall/winter season, which had been in effect since the mid-1990s, to a spring/summer season at the 2022 Southeast Alaska Finfish and Shellfish Board of Fisheries (BOF) meeting. This change effectively shifted the 2022/23 season's fall fishery that would have begun October 1, 2022, to a starting date of May 15, 2023. Due to the regulatory changes, seasons will now

begin May 15 rather than October 1, therefore the May 15, 2023, start date fell within the 2023/24 season. Although there will be no fishery shown for the 2022/23 season, there was no loss of a season, but due to semantics of the regulatory changes it will appear that way.

The goal of the season change is to rebuild the SEAK shrimp pot fishery. Over the last two decades, guideline harvest levels (GHLs) have been cut and areas closed resulting in an annual harvest less than half of what it was in the late 1990s and early 2000s. In addition, there have been recruitment failures observed in several of the surveyed areas in recent years. Although there have periodically been proposals to change the season since the 1990's, the decline in harvest and closures of areas resulted in a number of proposals to change the season at the 2018 BOF meeting, although the proposed changes were not adopted by the board. During the 2021 board cycle, multiple proposals were again submitted and there was more public support for the season change. The department is in support of the change as it would reduce harvest of mature, egg bearing shrimp and allow eggs to hatch before being harvested; thus, potentially increasing shrimp stocks. The department also recognizes that this season adjustment will fundamentally change the fishery and create potential management complications.

Management complications will be prevalent for at least the first several seasons. Although participation for the first spring season was similar to the prior fall season, participation in the spring fishery will continue to be a large unknown. The milder spring weather and lack of competing shellfish fisheries may draw more effort, at least for the first two weeks of the season before some participants leave the fishery in preparation for the summer Dungeness crab fishery. Shrimp distribution within fishing areas may differ in the spring compared to fall. The relative catchability of shrimp may also differ. Finally, there may be more direct competition with sport, personal use, and subsistence shrimp fisheries. As a result, managers will need to be judicious when comparing this season to past seasons and not overreact to inseason data as the fishery develops.

Management staff considered decrementing GHLs for the initial spring season in 2023 due to loss of heavier egg bearing shrimp in a spring/summer fishery. There was concern from industry that more individual shrimp would be harvested in a spring/summer season versus a fall/winter season to achieve the same GHLs. In response, the department analyzed historical shrimp size and weight from surveys and estimated there would be a regionwide average 3.3% decrease in weight due to lack of egg bearing shrimp in May. This varied by area and had a range of 2.2%-4.5%. The analysis had two major assumptions: shrimp do not grow or shrink in carapace length from September to May, and length/weight relationships established in the September survey data would still be valid in May. Given an adjustment of 3% is small, management error is often larger than 3%, assumptions are associated with the analysis, and a GHL decrement was not a matter of public record at the March BOF when discussing this season change, the department opted to not decrement any GHLs based on this analysis.

SHRIMP POT FISHERY OVERVIEW

Descriptions of areas open to shrimp pot fishing can be found in **5 AAC 31.105 Descriptions of Registration Area A districts and sections.**

GHLs since the 2007/08 season and planned GHL changes for the 2024/25 season are presented in Table 1. The overall proposed SEAK GHL is 438,300 pounds. This is a decrease from last season's overall GHL of 466,800 pounds, and less than the recent 10-year average (2013–2023) GHL of 509,500 pounds. The historical harvest and effort by area are shown in Table 2. The combined harvest from last season of 422,300 pounds of spot and coonstripe shrimp was 90% of the available GHL of 466,800 pounds and below the prior 10-year average harvest of 542,800 pounds. Regionwide effort was 101 permits, near the prior 10-year average of 104 permits.

Harvests in the SEAK shrimp pot fishery remained at or below 50,000 pounds annually through the 1980s, GHLs and harvests expanded through the 1990s and early 2000s, with harvests peaking in the 2003/04 season at 1.1 million pounds. Since then, as seen in Tables 1 and 2, GHLs and harvests have been steadily declining and are currently less than 500,000 pounds annually.

SHRIMP POT FISHERY MANAGEMENT

Management of the shrimp pot fishery is continually evolving, and the department currently utilizes several management strategies based on available information. The traditional management strategy in place since the late 1990s is to set a GHL within the guideline harvest range (GHR). GHLs typically remain in place for a minimum of three seasons and available data from each fishing area are reviewed annually and recommendations to changes in area specific GHLs are considered. If changes to GHLs are suggested based on data inputs, changes occur in increments of at least 20% but do not exceed 40% of the current GHL or the upper end of the GHR; changes to the GHL less than 20% may not demonstrate how a change in harvest affects the shrimp stock, and changes more than 40% may be larger than the stock can withstand.

Beginning in the 2020/21 season and moving forward, two additional strategies utilized for select fishing areas began. The first is to recognize the utility of using information gained from fall surveys to adjust GHLs and/or fishing areas for the following season. This is a deviation from past practices of keeping GHLs in place for a minimum of three seasons. If adjustments to GHLs are deemed necessary from fall survey information, the slow-up and fast-down approach will be utilized. Increases in GHLs will be in 10 to 14% increments and will not exceed 45% or the upper end of the GHR. Decreases in GHL will be in 10 to 25% decrements and if decrements more than 45% are necessary, the area may close for the season or specific localized closures within an area may be applied. This has been done in the Ketchikan management area in portions of both District 1 and 2.

The second strategy applies to the Juneau management area. This strategy is to rotate several fishing areas in northern Southeast on a two or three year basis to provide more consistent opportunity for north end shrimp fishermen. In 1995, districts were assigned GHLs based on historical harvests. Districts that did not have a significant historical record of shrimp harvest were assigned an exploratory GHR of 0 to 20,000 pounds. This applied to Districts 11, 12, 14, 15, and 16. With this change and increased participation in the shrimp pot fishery, harvests increased substantially in these areas. Over time, harvesting at the upper end of the GHR proved unsustainable. Since the mid to late 2000s, catch per unit effort (CPUE) and harvests in these districts began to decline and increasingly conservative management measures were taken including GHL reductions and commercial, personal use, and sport fisheries closures. As a result, annual harvest levels became smaller and more difficult to manage and overall opportunity decreased.

Active adjustments to GHLs utilized in Districts 6 and 7 beginning with the 2012/13 season will not be utilized this season. In 2021/22, the department moved away from inseason GHL adjustment in Sections 6-B/C/D due to the lack of survey data and a shift in information received from the commercial fishery inseason. Inseason adjustments to the GHL in District 7 were based on the fall survey data, inseason tracking of >XL (greater than 40.5 grams) shrimp harvests through logbooks, inseason CPUE, and shrimp size information obtained from on the grounds (OTG) sampling. Inseason adjustments did not exceed 45% of the base level GHL. Given the uncertainty of comparing commercial harvest and stock data to prior years, adjusting GHLs in season, especially upwards, would be hard to justify. However, in District 7, the department may close the season prior to reaching the GHL given the concerns for stock health identified by the fall surveys.

2024/25 SEASON GHIL AND MANAGEMENT OVERVIEW

Detailed plans for each area are provided in the following section. There are several specific changes from the 2023/24 season based on evaluation of stock status trends: 1) reopen Section 11-D (Seymour Canal) after a four-year closure; 2) close Districts 14 and 16 and Sections 11-B/C, and reopen District 12-Remainder on an alternate year harvest strategy; and 3) manage Sections 6-B/C/D to a GHIL again after two seasons of managing to an 8 day fixed season length.

During the last several meeting cycles, the BOF adopted regulations that modified shrimp pot fishing areas and allowed the department to collect more detailed harvest information. In 2018, the BOF adopted four new or redefined GHIL areas (Northern Clarence Strait, Sumner Strait, Southern Frederick Sound, and Northern Frederick Sound). In 2022, the BOF approved the splitting of District 15 into two distinct GHIL areas. At the 2015 BOF meeting, a regulation was adopted requiring all shrimp catcher-processors to report catch information in logbooks, including detailed size breakdowns of their harvest. Detailed information of the reporting procedures will again be described in the first advisory announcement of the 2024/25 season.

SHRIMP POT GHIL RECOMMENDATIONS FOR THE 2024/25 SEASON

District 1—GHIL will be **reduced to 40,000 pounds with a preset closure in Back Behm and West Behm Canal.**

For the 2006/07 season the GHIL was reduced from 164,000 to 98,400 pounds due to declining harvest rates and increasing season length observed during the previous five seasons. The GHIL was reduced for the 2008/09 season to 78,700 pounds and then again for the 2009/10 season to 50,000 pounds with separate, preset closures in West Behm and the remainder of the district. Due to improving stock health, the GHIL was increased to 64,000 pounds for the 2015/16 season. The GHIL was subsequently reduced for the 2019/20 season to 50,000 pounds due to sharp declines in both the fall surveys and the commercial CPUE in Back Behm Canal.

There were several negative stock health indicators during the 2018/19 season that resulted in management actions taken for the 2019/20 season. Despite the overall District 1 commercial CPUE being above baseline, the fall survey and commercial harvest information continued to indicate sharp declines of shrimp abundance in Back Behm Canal. There was also a sharp decline during the 2018/19 season in commercial CPUE in Back Behm Canal. The continued decline in the fall survey harvest rate of all size classes of shrimp with no positive indicators justified a predetermined closure of October 7 in Back Behm Canal for the 2019/20 season. The preset closure date was not instituted for the 2020/21 season, based on the fall survey results; however, for the 2021/22 season, Back Behm and West Behm Canal were closed on October 7, prior to the remainder of the district based on commercial harvest rates and poor recruitment in the fall survey.

The overall District 1 shrimp stock showed improvements in stock health in the 2019/20 season, and harvest has been relatively stable throughout District 1 for the past three years. The commercial CPUE in Back Behm Canal increased, and more importantly the 2019 fall survey showed an increase in the recruits for the fishery (<32 mm), suggesting a large recruitment event in the area. Given these changes, the preset closure date in Back Behm Canal was not implemented for the 2020/21 season; however, the GHIL remained at 50,000 pounds. The 2020/21 fall survey data showed a further decline in large size (≥ 41 mm) class shrimp and a sharp decline in small size class (<41mm) shrimp to below the baseline. Commercial fishery performance also dropped sharply from the 2019/20 season and although it is near the baseline, the complete lack of small shrimp in the fall survey suggests extremely poor recruitment. The early closure during the 2021/22 season in Back Behm and West Behm Canal was not announced until October 5 and was not as effective in reducing effort as announcements made preseason, which generally have the benefit of significantly reducing effort and

subsequent harvest while still providing some commercial harvest data. Due to the season change from fall to spring, Back Behm Canal did not have a preseason closure date set for the 2023/24 season.

While the overall District 1 shrimp stock exhibits relatively stable stock health, the Back Behm area's commercial CPUE data is near the lowest levels since the inception of the shrimp fishery in 1995, and the West Behm area had the lowest commercial CPUE data since 1995. Additionally, the fall survey that occurred in the fall of 2023 saw the lowest catch rates of all size classes of shrimp in both Back Behm and West Behm since the survey began in 2011 and continued to show very poor recruitment into the fishery with very few small shrimp (<32 mm) encountered in the survey. The survey pots utilize a smaller mesh size than legal commercial pots and the absence of these pre-recruit cohorts in the area over the last three years is a concern. In the last ten years, the Back Behm and West Behm Canal areas account for approximately 30% of the total harvest in District 1, so an overall reduction in the districtwide GHL is needed to alleviate harvest pressure from the remainder of the district. **The waters of Behm Canal north of a line from Escape Point at 55° 39.07' N lat, 131° 43.04' W long, to Point Francis at 55° 40.21' N lat, 131° 46.11' W long and west of the longitude of Point Whaley at 131° 15.84' W long will close at 4:00 p.m., Tuesday, May 21, 2024.** The fall survey, commercial CPUE, and distribution of effort may be used to adjust the GHL in season.

The recent 10-year average harvest is 62,300 pounds. The 2023/24 season's harvest was 39,400 pounds and the season closed May 30, 2023.

District 2—GHL will be reduced to 30,000 pounds and Kasaan Bay and Skowl Arm will have a preset closure date of May 21, 2024.

The District 2 GHL was reduced for the 2009/10 season from 86,000 to 65,000 pounds due to excessive exploitation rates, declining CPUE, and a decrease in mean carapace length (CL). For the 2014/15 season, negative survey indicators prompted a reduction in GHL to 52,000 pounds. Based on extremely poor fall survey results, Kasaan Bay was closed prior to the 2015/16 season and the GHL was reduced to 42,000 pounds. For the 2016/17 season, continued stock decline in Kasaan Bay and Cholmondeley Sound prompted a further reduction in GHL to 29,400 pounds. After positive indicators in the fall survey the outer portion of Kasaan Bay and Skowl Arm reopened for the 2018/19 season with a preset closure date of October 7. The GHL was increased to 40,000 pounds for the 2020/21 season in response to the improved commercial catch rates observed in both Cholmondeley Sound and Kasaan Bay, increased catch rates of large class shrimp in the fall survey, and high districtwide CPUE.

The District 2 shrimp pot fishery had a positive response to these management actions. Districtwide commercial CPUE was at a historical low in the 2015/2016 season and has since increased, exceeding the baseline in the 2019/20 season, remaining similar for the 2020/21 season, and then decreasing to a midrange CPUE for the 2021/22 season. During this same time period Kasaan Bay set new historical high commercial CPUE during both the 2019/20 and then again for the 2020/21 season before dropping sharply during the 2021/22 season. In the 2019/20 season the GHL was intentionally exceeded based on both strong fall survey and commercial CPUE. In 2020/21, the GHL was exceeded intentionally again based on strong catch rates in both the fall survey and the commercial fishery with catches in Kasaan Bay at historically high levels. During the 2021/22 season the fishery was intentionally closed before meeting the GHL based on the lack of effort and harvest in Kasaan Bay and the concentrated harvest in Cholmondeley Sound which accounted for two thirds of the District 2 GHL for the season. District 2 has a fall survey in both Cholmondeley Sound and Kasaan Bay which comprises 70% to 80% of the districtwide GHL; as a result, confidence with the survey data combined with commercial fishery performance data as an indicator of shrimp abundance in the district is good. For the past three seasons, portions of Kasaan Bay and Skowl Arm opened with no preset closure date. Conservation measures are being taken in response to the 2023 fall survey results which showed small size

class catch rates at an all-time low coupled with a drastic decrease in all size classes of shrimp, and the low commercial fishery CPUE during the spring 2023/24 fishery in Kasaan Bay and Skowl Arm. The waters of Twelve-Mile Arm will remain closed south of the latitude of Outer Point at 55°31.24' N lat for the entire 2024/25 season. **Additionally, the waters of Kasaan Bay and Skowl Arm west of the longitude of Kasaan Point at 132°16.87' W long will close at 4:00 p.m., on Tuesday, May 21, 2024.** The fall survey, commercial CPUE, and distribution of effort may be used to adjust the GHIL in season.

The recent 10-year average harvest is 44,700 pounds. The 2023/24 season's harvest was 40,000 pounds and the season closed May 26, 2023.

Section 3-A—GHIL will remain at 114,000 pounds.

For the 2000/01 season the Section 3-A GHIL was increased from 200,000 to 264,000 pounds. The GHIL was reduced to 198,000 pounds for the 2004/05 season due to a consistent decline in shrimp size and fishery harvest rates. From the 2004/05 through the 2007/08 seasons, the shrimp population was relatively stable with an average harvest of 198,000 pounds. However, to increase the health and productivity of the Section 3-A shrimp stock, the GHIL was reduced to 158,400 pounds for the 2008/09 season. The GHIL remained at 158,400 pounds over the next two years but the average annual harvest over this period was only 128,000 pounds. There were no signs of improvement in the commercial fishery or the department survey which led to a further GHIL reduction to 95,000 pounds for the 2010/11 season. Sectionwide CPUE began to increase as did biological benchmarks in the fall survey and the GHIL was increased to the current GHIL of 114,000 pounds beginning with the 2015/16 season.

Sectionwide commercial CPUE decreased significantly during the 2023/24 season and continues a downward trend from the past three years. This decline has brought the CPUE well below the baseline and is at the lowest level on record. Section 3-A has the highest total harvest rates in the region and depending on effort, 10,000 to 15,000 pounds are harvested daily. With these high harvest rates in the commercial fishery, the difference in one day of fishing time makes it very difficult to reach the target GHIL without going over or under. Given the shift to a spring fishery, comparing sectionwide commercial harvest rates between the past fall fisheries to the spring fishery may not be as useful. All indicators from the Hetta Inlet fall survey still show the shrimp population at a low level. Survey harvest was virtually zero in northern Hetta Inlet. Therefore, Hetta Inlet will continue to be closed north of the latitude of Hetta Point at 55°10.40' N lat due to poor stock status indicated from past commercial fishery data and recent fall survey data.

The recent 10-year average harvest is 122,900 pounds. The 2023/24 season's harvest was 112,200 pounds and the season closed May 26, 2023.

Sections 3-B/C—GHIL will remain at 20,000 pounds.

For the 2007/08 season, the GHIL was reduced from 50,000 to 40,000 pounds due to a decline in mean CL and CPUE. For the 2010/11 season the GHIL was reduced to 30,000 pounds based on decreasing commercial CPUE.

In Sections 3-B/C, there is no survey and limited biological sampling. The areawide commercial CPUE, the only metric analyzed in this section, has been on a steady downward trend since the 2016/17 season and is now at its lowest level (less than half of the recent 10-year average) since standardization was possible. Due to consistently declining commercial CPUE over the previous five seasons, the GHIL was reduced by 33% to 20,000 pounds for the 2021/22 season. Given the nature of how harvest can rapidly increase after effort significantly increases immediately following the Section 3-A closure, there may be an announced closure shortly after the closure of Section 3-A to not exceed the reduced GHIL.

The recent 10-year average harvest is 28,800 pounds. The 2023/24 season's harvest was 9,200 pounds and closed by regulation on February 28, 2024.

District 4—GHL will remain at 20,000 pounds.

Data is very limited in District 4. No survey is conducted, and the fishery has never been sampled. Effort and harvest have been sporadic throughout the history of the fishery. Fishery performance and logbooks are the only data from District 4 that can be used as an indicator of stock health. District 4 is on the open ocean and harvest can be limited by weather. In the past it has received limited effort during open seasons. Three vessels with average harvest rates for the district harvested a little more than half of the GHL in the spring fishery before quitting for the season. There was no effort for the fall season with much of the harvest occurring in the small bays on the outer coasts of Dall, Baker, and Suemez Islands. It often receives little to no effort during the fall fishery with most of the harvest in recent years being taken in the spring/summer when it reopens. With the change to the start date for the pot shrimp fishery in 2023 to May 15, the district began to see effort towards the end of May after Section 3-A closed. Three permit holders made landings from May 27 through July 28. There was no additional effort during the fall portion of the season when it reopened October 1, 2023. The commercial CPUE for the District 4 fishery remains stable although it is low compared to other districts and there are currently no concerns with stock health.

The recent 10-year average harvest is 17,200 pounds. The 2023/24 season harvest was 13,200 pounds, all of which was harvested in the spring portion, and closed by regulation on February 28, 2024.

District 5—GHL will remain at 12,000 pounds.

The GHL for District 5 was 20,000 pounds from the 1995/96 season until the 2015/16 season, when it was reduced to 12,000 pounds. Effort has been sporadic in recent years with some years having very low harvests due to very low effort. The recent 10-year average harvest is 3,000 pounds with the highest being 7,700 pounds in 2017/18 and the lowest being the 2019/20 season and confidential due to low effort. Spot shrimp harvest increased to 4,800 pounds for the 2023/24 season, the highest for the past five years. No biological data is available for this area and a survey is not conducted.

The recent 10-year average harvest is 3,000 pounds. The 2023/24 season's harvest was from four boats and closed by regulation on February 28, 2024.

Sections 6-B/C/D—GHL will remain at 15,000 pounds.

Sections 6-B/C/D became a new management area created by the BOF in 2018. It is comprised of two analysis areas: Northern Clarence and Southwest Etolin Island with a combined GHR of 0 to 60,000 pounds. This area has historically been the core fishing area of District 6. Prior to the change in area, the GHL for District 6 ranged from 82,000 pounds in the 2005/06 season to 24,000 pounds in 2011/12 season. A survey is not conducted for this area.

Following meetings with industry in 2012, the department devised an experimental management plan to use inseason fishery data to adjust the GHL in District 6. The base GHL was set at 32,000 pounds for the 2012/13 through 2016/17 seasons. In 2017, the base GHL was raised to 42,900 pounds to allow for adjustment to reach the 60,000-pound upper end of the GHR range. For Sections 6-B/C/D, inseason adjustments of a 20% decrement in 2018/19 and a 30% decrement for the 2019/20 and 2020/21 seasons were made based on inseason information.

Due to the declining fishery performance and a decrease in shrimp sizes, the department moved away from inseason adjustments in Sections 6-B/C/D for the 2021/22 season and instead allowed fishing for a fixed length

season of 8 days with an expected harvest of 15,000 pounds. The season total spot shrimp harvest in 2021/22 was 4,714 pounds with only three boats participating. In 2023/24, the pre-set 8-day limit was extended for four days in season based on improved fishery performance with a good mixture of age classes. In 2024/25, Sections 6-B/C/D will not have a fixed season length and will be managed to the preseason GHL.

The recent ten-year average harvest is 31,400 pounds. The 2023/24 season's harvest was 15,000 pounds from three boats and closed on May 26, 2023.

District 7—GHL will remain at 74,300 pounds.

This area has been surveyed annually in the fall since 1997. Fall survey data in 2019 showed a strong recruitment of juvenile shrimp which supported good harvests during the 2019/20 through 2021/22 seasons. However, the fall surveys of 2021 through 2023 detected lowered levels of younger age classes of shrimp. Additionally, commercial harvests of smaller classes of shrimp have been declining for the past three seasons in the core area of the district. Because of this and many unknown factors associated with the switch to a spring fishery, the department will closely monitor harvest trends during the 2024/25 season and will consider closing the area before the GHL is achieved.

The GHL for District 7 has ranged from 104,000 pounds in the 2000/01 season to 54,600 pounds in the 2010/11 season. The base GHL was 63,700 pounds for the 2012/13, 2013/14, and 2014/15 seasons. The base GHL for the area was increased to 74,300 pounds beginning with the 2015/16 season and has remained there.

The recent 10-year average harvest is 85,600 pounds. The 2023/24 season's harvest was 69,000 pounds from 19 boats and the season closed on May 27, 2023.

Sections 8-B and 6-A—GHL will remain at 15,000 pounds.

Sections 8-B and 6-A were combined into a new management area by the BOF in 2018, comprising 3 subareas—Eastern Sumner, Western Sumner, and Stikine Strait/Chichagof Pass—with a combined GHR of 0 to 25,000 pounds. A survey is not conducted for this area.

Fishery performance has generally been good over the past seven seasons. Although commercial harvest data is difficult to interpret because effort in these areas can fluctuate from year to year, commercial CPUE continued to be above baseline in Stikine Strait/Chichagof Pass and Eastern Sumner, and just below baseline in Western Sumner.

During the 2023/24 season, the fishery was open 78 days with a harvest of 20,000 pounds. This area has seen consistent harvests over the past several years which would suggest that an increase in GHL might be warranted. However, this area is a high-use subsistence area, is not surveyed, and biological samples have not been obtained in the past few years. Additionally, with a switch to a spring season the department would like to collect biological samples and see how the next few spring fishery seasons progress before considering raising the GHL.

The recent 10-year average harvest is 11,600 pounds. The 2023/24 season's harvest was 19,600 pounds from seven boats and the season closed on July 31, 2023.

Sections 8-A and 10-C—GHL will remain at 12,000 pounds.

Sections 8-A and 10-C were combined into a new management area by the BOF in 2018. It is comprised of two analysis areas—Farragut Bay and Southern Frederick Sound—with a combined GHR of 0 to 20,000 pounds. A survey is not conducted for this area.

Commercial CPUE has been below baseline levels for the past two seasons (2021/22 and 2023/24). Commercial harvest data is difficult to interpret as effort in those sections can vary considerably from year to year.

In 2023/24, effort was above the 10-year average of five boats with 8 boats harvesting 10,700 pounds in 78 days. The season length was well above the 10-year average of 20 days so overall effort was low and sporadic and it's unclear how the change from a fall to a spring fishery has affected the CPUE in this area. In 2024/25, the department intends to improve the inseason commercial sampling rate in this area. However, despite the close proximity to town, this area is challenging to sample due to low effort coupled with a lengthy season overlapping with other fisheries.

The recent 10-year average harvest is 10,300 pounds. The 2023/24 season's harvest was 10,700 pounds from 8 boats and the season closed on July 31, 2023.

District 9—GHL will remain at 10,000 pounds with a fixed season length of five days.

The GHL in District 9 has changed five times since the 1998/99 season. It was increased 20% from 15,000 to 18,000 pounds for the 2000/01 fishing season, where it remained until the 2011/12 season when it was reduced to 14,000 pounds. In response to continued declining standardized CPUE values, the GHL was reduced by 20% to 11,000 pounds for the 2015/16 season and further reduced to 6,500 pounds since the 2018/19 season. Prior to the 2023/24 season, the GHL was increased to 10,000 pounds due to increased CPUE. The analysis area composition of the harvest is variable, but most harvest comes from Eliza Harbor and SE Baranof Island. There were no landings from Keku Strait or Western Kuiu Island during the 2011/12 to 2023/24 fishing seasons.

The only data available for this district are standardized commercial CPUE. Commercial CPUE declined severely in the 2018/19 season but has rebounded since the 2021/22 season. District CPUE decreased in the 2023/24 season. The changes in district CPUE are attributed to the CPUE changes in Eliza Harbor, where most of the effort is recorded. Districtwide CPUE has been below baseline for 15 of the past 16 seasons.

If inseason harvest rates indicate steep declines in the shrimp population as observed during the 2018/19 season, a small area closure may be necessary in future seasons. The remote nature of this district and the relatively small GHL justify the five-day season; however, depending on inseason harvest information, the season length may be altered to achieve the GHL.

The recent 10-year average harvest is approximately 11,600 pounds. The 2023/24 season's harvest was 7,800 pounds and the season closed May 20, 2023.

Sections 10-A/B—GHL will remain at 35,000 pounds.

Sections 10-A/B was created by the BOF in 2018. It is comprised of three analysis areas: Port Houghton, Hobart/Windham, and Southeast Admiralty with a combined GHR of 0 to 50,000 pounds. This area has historically been the core fishing area of District 10. A survey is not conducted for this area.

The GHL in District 10 increased from 30,000 to 35,000 pounds for the 2000/01 season and to 48,000 pounds for the 2004/05 season. The GHL was reduced to 36,000 pounds for the 2013/14 season and to 29,000 pounds for the 2016/17 season. Commercial harvest information for District 10 indicated shrimp populations declined sharply during the 2011/12 and 2012/13 seasons and again during the 2014/15 season. The 2018/19 season marked the first season for the Sections 10-A/B management area. The GHL for the area was set at 35,000 pounds and has remained there.

In the 2019/20 season, commercial harvest information suggested that shrimp populations were at a historically high level. Due to the unanticipated increase in CPUE that season, management was slow to react, and the fleet landed a record harvest of 62,000 pounds in nine days. The following season, effort nearly doubled from 8 boats in 2019/20 to 14 boats in 2020/21. The season lasted six days, the shortest on record for the area, but management again exceeded the GHIL with a harvest of 57,000 pounds. In 2021/22, management exceeded the GHIL for a third time harvesting 51,000 pounds in 8 days. From 2020/21 through 2023/24, CPUE has declined steadily from the record high level in 2019/20 to below average in all analysis areas in 2023/24. Commercial CPUE indicates that the high harvest has had a negative impact on stock health, but it is unclear if the change in season from fall to spring has also negatively affected commercial CPUE. The total harvest in 2023/24 was just below the GHIL and management intends to harvest within 5% of the GHIL again in 2024/25.

The recent 10-year average harvest is 41,900 pounds. The 2023/24 season's harvest was 33,500 pounds from 12 boats and the season closed on May 22, 2023.

Sections 11-A/B/C—will be closed.

A GHIL of 7,500 pounds of spot and coonstripe shrimp was established for the remainder of District 11 (Sections 11-A/B/C) for the 2012/13 season. Due to the observed decreases in commercial CPUE in Section 11-A adjacent to the community of Juneau, combined with an analysis of Division of Sport Fish creel data indicating the sport and personal use harvest was at least equal to the commercial harvest, Section 11-A was closed in 2013 to all shrimp fisheries to rebuild stock health. A department survey of Section 11-A was conducted in the winters of 2018, 2019, and 2020 with the results pointing to a stock experiencing recruitment failures for multiple years and the area remains closed to preserve the existing spawning stock. Section 11-A will be surveyed again in 2024, continuing with the three years in Section 11-D (Seymour Canal) / three years in Section 11-A schedule. The Sections 11-A/B/C 7,500-pound GHIL was in place through the 2016/17 season and declining CPUE led to the closure of Endicott Arm and a reduction of the GHIL to 4,000 pounds for Sections 11-A/B/C for the 2017/18 and 2018/19 seasons.

Sections 11-A/B/C has exhibited serial depletion of the spot shrimp stock with the sequential closures of Section 11-A in 2013, Endicott Arm in 2017, and the entirety of Sections 11-A/B/C due to declines in commercial CPUE and harvest in 2019–2022. To evaluate the multiple-year rotational strategy, Sections 11-B/C was opened in May of 2023 with a GHIL of 4,000 pounds of spot and coonstripe shrimp. The Endicott Arm area was included in this opening for the first time since 2016. CPUE of spot shrimp in Endicott Arm was improved over average seasonal CPUE since District 11 was split for the 2012/13 season and CPUE of spot shrimp in Stephens Passage was similar to average seasonal CPUE since the 2017/18 season when this area began seeing more consistent effort. Stock status is considered moderate here and continuing with an alternate year rotation and similar GHIL could prove sustainable.

The recent 10-year average harvest is 6,000 pounds of spot and coonstripe shrimp. The 2023/24 season harvest was 4,400 pounds of spot and coonstripe shrimp and the season closed on June 2, 2023.

Section 11-D (Seymour Canal)—will reopen with a GHIL of 7,500 pounds.

A GHIL of 20,000 pounds of spot and coonstripe shrimp was established for all of District 11 in 1995. In 2012, the BOF established separate GHRs of 0 to 30,000 pounds of spot shrimp for Seymour Canal (Section 11-D) and 0 to 15,000 pounds of spot and coonstripe shrimp for the remainder of the district (Sections 11-A/B/C). In the 2011/12 and 2012/13 seasons, an experimental inseason management approach modeled on the spawner index (SI) method utilized in British Columbia, Canada was investigated in Seymour Canal, but managers felt that with the small extent of the fishing area and rapid pace of the fishery, the SI approach was not suitable and reverted to the preseason GHIL approach for the 2013/14 season. Based on declines in commercial CPUE and

the observed contraction of the area fished while investigating the SI approach, the GHIL was reduced to 15,000 pounds for the 2013/14 season and was further reduced to 12,000 pounds for the 2014/15 through 2018/19 seasons. With continuing declines in CPUE and further contraction of the fishing grounds, the GHIL was reduced to 10,000 pounds for the 2019/20 season. Commercial CPUE in the 2019/20 season decreased from the previous season to the lowest since the 2001/02 season.

Department surveys have now been conducted for three consecutive years (2021–2023), and results from the 2023 survey had the lowest catch rates of small and large shrimp and similar L50 compared to the previous two surveys. Although survey results do not suggest rebuilt shrimp stocks over the four plus year commercial closure, the survey baseline is only made up of three years and there is merit in evaluating commercial CPUE with a 25% reduced GHIL in place. Department staff will plan on conducting on-the-grounds sampling of this fishery and be prepared to announce a closure if CPUE is poor.

The recent 10-year average harvest is 11,500 pounds of spot shrimp. Seymour Canal last opened in October of 2019 for 8 days.

District 12–Tenakee Inlet (12-T)—will remain closed.

A GHIL of 20,000 pounds of spot shrimp was established for all of District 12 in 1995. In the 2000/01 season the entire 20,000-pound GHIL for the district was taken from Tenakee Inlet and for the 2001/02 season Tenakee Inlet was separated from the District 12 remainder (12-R) and given its own GHIL of 20,000 pounds, and a 15,000-pound GHIL was put in place for 12-R. The Tenakee Inlet GHIL was increased to 28,000 pounds for the 2005/06 season. With declining CPUE in department fall surveys, the GHIL for Tenakee Inlet was reduced to 17,000 pounds for the 2008/09 season and was further reduced to 10,000 pounds for the 2010/11 season. Following the 2011 fall survey, a stock collapse was evident, and Tenakee Inlet was closed to commercial harvest. With continuing declines in fall survey performance, Tenakee Inlet was closed to sport and personal use shrimping in 2012. With survey results returning to near baseline levels, personal use and sport shrimping was reopened in December of 2017 and the commercial fishery was reopened in 2018.

Two-day commercial fishery openings with an area closure west of Long Bay to provide some refugia occurred during the 2018/19–2020/21 seasons. In 2021, it was announced that Tenakee Inlet would open for two days and then the survey was conducted and CPUE of small size class shrimp dropped so substantially that the area was closed a week before the season opener. The 2022 and 2023 surveys showed continued decrease of small size class shrimp CPUE and a significant decrease in large size class shrimp CPUE from the 2021 results. Overall CPUE from the 2023 survey is at the lowest level yet and there appears to be a recruitment failure with minimal small size class shrimp observed. The personal use and sport shrimp pot fisheries remain closed as of March 17, 2023. With no survey or harvest data from the eastern portion of Tenakee Inlet, the stock status of the entire inlet is unknown, and the personal use and sport fishery was closed west of the longitude of Corner Point to potentially provide some indication of abundance from the mouth of the inlet. The fall survey will continue to monitor the health of the shrimp population and inform commercial fishery opportunities.

The recent 10-year average harvest is 8,800 pounds (only includes three seasons). This area last opened in October of 2020 with a set two-day opening.

District 12–Remainder (12-R)—will reopen with a GHIL of 7,500 pounds.

The 15,000-pound GHIL of spot shrimp for 12-R was reduced to 10,000 pounds for the 2008/09 season, and due to declining commercial CPUE and fishermen concerns, the area was closed to rebuild stocks from the 2012/13 through 2014/15 seasons. 12-R was reopened for the 2015/16 season with a reduced GHIL of 7,500 pounds and CPUE in Kelp Bay, the primary driver of this GHIL area, remained at a similarly low level and another three-year closure was instated to continue to rebuild stocks. This area reopened for the 2019/20 season

and Kelp Bay saw improved commercial CPUE and harvest with fishermen reporting consistent CPUEs but noted a decreasing size of shrimp over the course of the season. Freshwater Bay performed well but did not have any commercial effort for seven years prior to the 2019/20 season. There was no effort in the Point Couverden analysis area. Four boats made landings in the 2021/22 season with nearly 90% of the total harvest coming from Kelp Bay. CPUE in Kelp Bay dropped substantially from the 2019/20 season to below baseline for that analysis area. 12-R openings are anticipated to remain on a multiple-year rotational strategy.

The recent 10-year average harvest is 7,000 pounds (only includes three seasons). The area last opened in October of 2021 for 8 days.

Sections 13-A/B—GHL will remain at 15,000 pounds.

Sections 13-A/B were separated from Section 13-C with a GHL of 15,000 pounds of spot shrimp beginning with the 2000/01 season. The GHL has not been modified since its inception. Fishery performance is the only information available for an indicator of stock health. For the 2023/24 season, sectionwide standardized commercial CPUE decreased to near the fall season baseline value.

The recent 10-year average harvest is approximately 16,300 pounds. The 2023/24 season's harvest was 15,014 pounds and the season closed June 8, 2023.

Section 13-C—will remain closed.

GHLs for Section 13-C have steadily been reduced over the last 15 years: from 42,000 pounds to 34,000 pounds for the 2007/08 season, to 30,000 pounds for the 2008/09 season, to 26,000 pounds for the 2012/13 season, to 16,000 pounds prior to the 2017/18 season. In the more productive Hoonah Sound portion of Section 13-C, annual surveys were conducted from 1998 through 2014 and 2017 through 2022. Due to continued poor stock health metrics from the survey, Section 13-C has remained closed since the 2020/21 season.

Overall, results from the fall surveys conducted from 2017 through 2023 indicated poor stock health in Hoonah Sound. Catch rate of large size class shrimp increased to all-time highs in the 2020 through 2023 surveys following two years of near-record lows in 2018 and 2019. The absence of small size class shrimp continues to be a concern since the near-record low in 2019. However, for the first time in three years the catch rate of small class shrimp increased. Both the subsistence and sport shrimp fisheries in Hoonah Sound have been closed since March 1, 2020.

Over the last 10 open seasons harvest averaged 24,400 pounds. This area was closed for the 2023/24 season.

District 14—will be closed.

A GHL of 20,000 pounds of spot shrimp was established for District 14 in 1995. With declining commercial CPUE, the GHL was reduced to 15,000 pounds for the 2006/07 season and further reduced to 10,000 pounds for the 2008/09 season. The fishery closed for three seasons to rebuild the stock and reopened for the 2012/13 season with a GHL of 10,000 pounds. With CPUE unchanged, District 14 closed again for three seasons. The district reopened for the 2016/17 season with a reduced GHL of 7,500 pounds and an alternate-year rotational harvest strategy. In the 2020/21 season, overall fishery CPUE improved substantially over the 2018/19 season.

Overall CPUE in the 2023 spring season was below baseline and effort was spread throughout the district. It is anticipated that District 14 openings will remain on a multiple-year rotational strategy.

The recent 10-year average harvest is 6,700 pounds (only includes four seasons). The 2023/24 season harvest was 6,100 pounds and the season closed by regulation on February 28, 2024.

District 15-East—GHL will open with a GHL of 3,500 pounds of coonstripe shrimp in Taiya and Lutak Inlets. Chilkoot Inlet will remain closed. Due to stock health concerns, Lutak and Chilkoot Inlets have been closed since the 2018-19 season. Lutak and Chilkoot Inlets will open on an every-other-year rotational fishery to provide some opportunity to assess the stock status in these areas.

Historically, the District 15 GHR for coonstripe shrimp was 0 to 20,000 pounds districtwide through the 2004/05 season. The GHR was reduced 25% (0 to 15,000 pounds) for the 2005/06 season in response to conservation concerns, which resulted in a three-year closure from 2006/07 to 2008/09. The district reopened in the 2009/10 season under a spatial management strategy that involved managing District 15 as two separate areas each with specific GHLs. The two core fishing areas became District 15 East and the remainder of District 15. District 15 East encompasses Lutak, Chilkoot, and Taiya Inlets. District 15 East has been managed for a GHL of 7,500 pounds since reopening in 2009/10 until the 2018/19 season when the GHL was reduced to 3,500 pounds. In addition, Chilkoot and Lutak Inlets were closed due to stock health concerns, leaving Taiya Inlet the only open area. Chilkoot and Lutak Inlets reopened for the 2019/20 season, but fishery performance remained poor. This alternative management strategy of splitting the district into two separate fishing areas, each with specific GHLs, proved to be more sustainable and was adopted into regulation at the Alaska BOF meeting in 2022. The GHR for District 15 East is 0 to 10,000 pounds of coonstripe shrimp.

During the 2021/22 season, standardized CPUE in Taiya Inlet increased and remained above baseline, showing a significant four-year trend. The minimum requirements for dockside sampling were not met, however the limited data did show mean CL was at baseline and L₅₀ decreased and was at baseline. Dockside samples were collected from Taiya Inlet for the 2023/24 season. Mean carapace length was at baseline with no significant four-year trend and L₅₀ decreased to below baseline. No surveys are conducted in this area. Dockside metrics did not meet minimum requirements; therefore, these results should not be considered reliable. In 2024/25, the department intends to improve the inseason commercial sampling rate in this area if there is adequate participation to meet sampling goals.

The recent 10-year average harvest is 5,600 pounds of coonstripe shrimp which includes harvests from Chilkoot, Lutak, and Taiya Inlets. The 2023/24 season's harvest in Taiya Inlet is confidential and the season closed June 1, 2023. The season length of 17 days during the spring 2023/24 was the shortest fishing season compared to the last two decades with less than three permits participating.

District 15-Remainder —GHL will remain at 7,500 pounds of coonstripe shrimp.

The remainder of District 15 includes Chilkat Inlet and waters of Lynn Canal south of the latitude of Ayiklutu Point and north of the latitude of Little Island Light. The traditional, core fishing area occurs in Chilkat Inlet. The remainder of District 15 has been managed for a GHL of 7,500 pounds since reopening for the 2009/10 season. Commercial CPUE dropped precipitously in the 2015/16 season to the lowest on record. There was no harvest during the 2016/17 season. The 2017/18 and 2018/19 seasons' CPUE was at baseline levels, but CL decreased. The 2019/2020 season's CPUE increased to the highest level compared to the prior 7 seasons and was above baseline. During the 2020/21 season there was a dramatic decrease in CPUE, and during the 2021/22 season, CPUE increased and was above baseline. Harvest and effort decreased from the previous two years, and this area remains highly variable with no significant four-year trend. Dockside samples collected during the 2021/22 season were too limited to draw any significant conclusion on stock health, however, the limited data did show L₅₀ above baseline and CL at baseline. During the BOF meeting in 2022, the board adopted a new GHR for the remainder of District 15 which is now 0 to 10,000 pounds of coonstripe shrimp. Harvest and harvest rates both slightly increased in the 2023/24 season. Dockside samples met the minimum requirements and the data metrics for mean carapace length increased to above baseline with no significant four-year trend. L₅₀ decreased but remains above baseline.

The recent 10-year average harvest in Chilkat Inlet is 4,800 pounds of coonstripe shrimp. The 2023/24 season's harvest in Chilkat Inlet is confidential and the season closed on June 7, 2023. The spring season was open 23 days, the shortest season length compared to the previous 20 years.

District 16—will be closed.

A GHIL of 20,000 pounds of coonstripe shrimp was established for District 16 in 1995. With declining commercial CPUE, the GHIL was reduced to 15,000 pounds for the 2004/05 season and with continued declines closed for three seasons to rebuild stocks. The fishery reopened in 2008 with a 15,000-pound GHIL of spot and coonstripe shrimp and an alternate-year rotational harvest strategy was established. The spot shrimp contribution has historically made up a significant proportion of the harvest, and in recent seasons has been as high as 70% of the harvest. The GHIL has been considered in total pounds of shrimp, combining coonstripe and spot shrimp, since the alternate-year rotational harvest strategy has been in place. This district was the first in the region to employ the alternate-year rotational harvest strategy to reduce impacts on the stock, beginning with the 2008/09 season. The fishery opened for the sixth time in its biennial schedule in 2018 and CPUE of all shrimp decreased to levels that prompted the initial three-year closure in the 2005/06 season, so the fishery was again closed for three consecutive seasons from 2019/20–2021/22.

The District 16 GHIL was reduced by 20% to 12,000 pounds for the 2023/24 season based on poor performance in the previous two openings (2016/17 and 2018/19). Harvest is confidential and it is anticipated that openings will remain on a multiple-year rotational strategy.

The recent 10-year average harvest is 10,300 pounds of spot and coonstripe shrimp (only includes four seasons). The 2023/24 season closed on June 17, 2023.

References Cited

Schoenfeld, M., and Q. Smith *In Prep*. Southeast Pot Shrimp Stock Status Prior to the 2024/25 Season. Alaska Department of Fish and Game, Fishery Data Series No. 20-XX, Anchorage

Table 1.—GHLs in pounds whole weight by season for the Registration Area A shrimp pot fisheries, 2008/09 through 2024/25 seasons.

Fishing	2024/25	2023/24	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13	2011/12	2010/11	2009/10	2008/09
1	40,000	50,000	50,000	50,000	50,000	64,000	64,000	64,000	64,000	50,000	50,000	50,000	50,000	50,000	50,000	78,700
2	30,000	40,000	40,000	40,000	30,000	29,400	29,400	29,400	42,000	52,000	65,000	65,000	65,000	65,000	65,000	86,000
3-A	114,000	114,000	114,000	114,000	114,000	114,000	114,000	114,000	114,000	95,000	95,000	95,000	95,000	95,000	158,400	158,400
3-B/C	20,000	20,000	20,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	40,000	40,000
4	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
5	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
6-B/C/D ^{2,5}	15,000	15,000 ¹	15,000 ¹	30,030 ³	34,320 ³	51,480 ³	44,800 ³	32,000 ³	20,800 ³	36,800 ³	38,400 ³	38,400 ³	24,000	68,000	68,000	68,000
7 ²	74,300 ³	74,300 ³	74,300 ³	74,300 ³	74,300 ³	74,300 ³	96,590 ³	81,730 ³	74,300 ³	70,070 ³	77,500 ³	80,700 ³	54,600	54,600	78,000	78,000
8-B/6-A ⁵	15,000	15,000	15,000	15,000	15,000	15,000	10,500	10,500	10,500	10,500	15,000	15,000	15,000	15,000	20,000	20,000
8-A/10-C ⁵	12,000	12,000	12,000	12,000	12,000	12,000	—	—	—	—	—	—	—	—	—	—
9	10,000	10,000	6,500	6,500	6,500	6,500	11,000	11,000	11,000	14,000	14,000	14,000	14,000	18,000	18,000	18,000
10-A/B ⁵	35,000	35,000	35,000	35,000	35,000	35,000	29,000	29,000	36,000	36,000	36,000	48,000	48,000	48,000	48,000	48,000
11-A/B/C	Closed	4,000	Closed	Closed	Closed	4,000	4,000	7,500	7,500	7,500	7,500	7,500	—	—	—	—
11-D	7,500	Closed	Closed	Closed	10,000	12,000	12,000	12,000	12,000	12,000	15,000	N/A ⁴	20,000	20,000	20,000	20,000
12-Ten	Closed	Closed	Closed	10,000	7,500	7,500	Closed	Closed	Closed	Closed	Closed	Closed	Closed	10,000	17,000	17,000
12-Rem	7,500	Closed	7,500	Closed	7,500	Closed	Closed	Closed	7,500	Closed	Closed	Closed	10,000	10,000	10,000	10,000
13-A/B	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
13-C	Closed	Closed	Closed	Closed	16,000	16,000	16,000	26,000	26,000	26,000	26,000	26,000	30,000	30,000	30,000	30,000
14	Closed	7,500	Closed	7,500	Closed	7,500	Closed	7,500	Closed	Closed	Closed	10,000	Closed	Closed	Closed	10,000
15-East ⁶	3,500	3,500	11,000	11,000	11,000	11,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	Closed
15-Rem ⁶	7,500	7,500														
16	Closed	12,000	Closed	Closed	Closed	15,000	Closed	15,000	Closed	15,000	Closed	15,000	Closed	15,000	Closed	15,000
TOTAL	438,300	466,800	457,300	482,330	500,120	551,680	523,290	531,630	517,600	524,870	539,400	564,600	525,600	598,600	692,400	752,100

Table Notes: All GHLs with the exception of **11-A/B/C, 15, and 16** are GHLs for spot shrimp. **11-A/B/C and 16** GHLs are combined spot and coonstripe shrimp and **15** is for coonstripe shrimp only. Bolding for 2024/25 GHLs indicates a change from the 2023/2024 season.

¹ Sections 6-B/C/D GHL was expected harvest for a set 8-day opening.

² Sections 6-B/C/D and District 7 GHL may be adjusted in season.

³ GHLs were adjusted in season. District 6 base = 32,000 pounds for years 2012 through 2016, then increased to 42,900 starting in 2017. District 7 base = 63,700 pounds for 2012 through 2014, then increased to 74,300 stating in 2015.

⁴ Section 11-D (Seymour Canal) did not have a GHL assigned in the 2012/13 season due to experimentation with Spawner Index based management.

⁵ New regulatory area in 2018.

⁶ New regulatory area in 2022.

Table 2.–Shrimp pot fishery harvest in whole pounds by season for the Registration Area A shrimp pot fisheries, 2007/08 through 2023/24 seasons.

Fishing Area	2023/24	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13	2011/12	2010/11	2009/10	2008/09	2007/08
1	39,382	53,162	55,125	57,536	57,925	73,114	72,790	61,718	65,993	55,615	70,000	54,688	36,682	46,572	53,278	87,556
2	39,973	33,270	53,316	43,569	31,296	27,758	30,629	39,205	50,915	62,058	74,554	76,002	68,724	64,522	87,947	89,787
3-A	111,218	139,470	132,684	128,215	105,959	132,102	135,730	115,950	112,061	122,914	107,068	97,580	84,711	135,276	118,845	182,137
3-B/C	9,208	17,977	27,315	23,682	21,733	33,422	37,562	30,405	36,049	26,717	33,107	40,116	33,104	46,980	30,136	44,703
4	13,224	9,940	17,232	17,956	14,429	18,353	18,459	19,507	***	***	***	***	21,384	20,795	0	174
5	4,829	***	2,127	***	***	7,656	***	4,464	3,737	***	5,136	8,562	10,523	16,688	8,029	0
6-B/C/D	14,982	4,714	32,609	29,048	38,181	52,179	39,126	26,048	22,040	35,106	35,050	30,657	32,784	48,764	28,551	30,957
7	68,743	91,190	90,378	85,829	77,482	95,952	84,347	80,069	75,452	94,526	81,488	60,073	48,757	74,012	52,349	76,484
8-B/6-A	19,556	14,598	15,099	16,808	16,434	12,132	12,389	9,301	3,588	6,277	9,663	12,302	9,456	13,374	9,586	19,397
8-A/10-C	10,744	14,424	20,554	12,737	10,780	***	4,035	3,680	9,386	9,318	9,246	8,431	16,851	18,343	6,454	7,886
9	7,780	11,124	10,622	11,259	5,412	10,784	12,528	12,201	18,435	15,241	16,183	10,795	21,890	18,960	17,139	17,333
10-A/B	33,489	51,091	58,581	62,041	39,973	40,365	34,647	32,693	31,323	31,940	36,419	45,324	47,002	47,483	50,805	39,097
11-A/B/C	4,424	Closed	Closed	Closed	***	4,768	6,888	6,356	6,438	8,313	8,211	***	***	***	***	4,250
11-D	Closed	Closed	Closed	9,314	11,457	***	***	***	***	13,209	21,969	20,877	23,209	25,288	***	***
12-Ten	Closed	Closed	11,748	11,984	***	Closed	Closed	Closed	Closed	Closed	Closed	Closed	14,072	10,979	12,270	18,371
12-Rem	Closed	5,686	Closed	10,282	Closed	Closed	Closed	5,100	Closed	Closed	Closed	8,335	8,952	7,907	12,382	15,198
13-A/B	15,014	14,457	18,992	15,802	12,696	20,623	18,968	13,454	17,297	16,300	13,769	14,590	13,650	9,446	11,902	11,270
13-C	Closed	Closed	Closed	13,383	14,182	12,693	26,970	26,096	24,919	23,033	28,493	38,109	31,851	25,223	29,614	29,395
14	6,065	Closed	8,474	Closed	5,541	Closed	6,806	Closed	Closed	Closed	8,773	Closed	Closed	Closed	7,736	13,054
15-East	***	5,358	3,812	3,700	3,882	4,282	5,486	7,502	10,091	8,111	7,386	8,836	7,031	6,589	Closed	Closed
15-Rem	***	***	8,228	9,829	4,060	1,248	***	***	4,570	6,263	8,382	5,372	***	3,004	Closed	Closed
16	***	Closed	Closed	Closed	***	Closed	***	Closed	14,719	Closed	***	Closed	***	Closed	***	Closed
Total	422,304	473,406	566,896	563,673	485,750	567,852	568,656	505,582	537,211	550,405	609,275	558,157	548,808	642,354	571,441	703,538
GHIL	466,800	457,300	482,330	500,120	551,680	523,290	531,630	517,600	524,870	539,400	564,600	525,600	598,600	692,400	752,100	835,400
% of GHIL	90%	103%	118%	113%	92%	108%	105%	96%	100%	101%	104%	107%	93%	93%	78%	85%
Permits	101	99	109	101	106	106	108	95	104	109	106	110	108	108	92	108

Table notes: Harvest data shown is harvest of spot shrimp, except for 11-A/B/C, 15, and 16. Districts 11-A/B/C and 16 are combined harvest of spot and coonstripe shrimp and District 15 is harvest of coonstripe shrimp only.

***Confidential Information, less than 3 permits reporting.

