

# Norton Sound Red King Crab Fisheries

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# SUBSISTENCE FISHERIES OVERVIEW



- Historically handlines
- Switch to pot gear - late 1970s
- Open year-round
  - Permits for winter and summer
  - ~99 winter permits/year (10-yr avg.)
  - ~17 summer permits/year (10-yr avg.)





## Monitoring Program

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

2. Next, it is important to gather relevant information and data. This can be done through research, consultation with experts, or by analyzing existing resources.

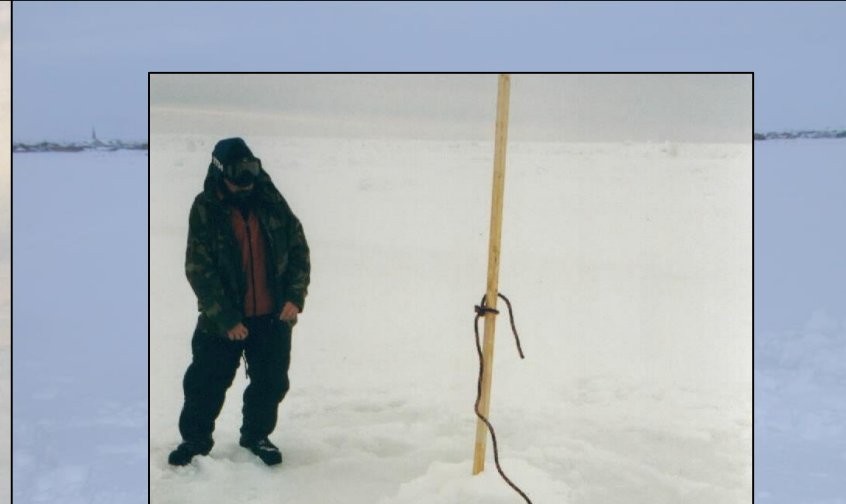
3. Once the information is gathered, the next step is to develop a plan or strategy. This involves breaking down the problem into smaller, manageable parts and determining the best approach to solve each part.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress as you go.

5. Finally, it is important to evaluate the results and make adjustments as needed. This involves reflecting on what worked well and what didn't, and using that information to improve future performance.

# WINTER COMMERCIAL FISHERY OVERVIEW

- Began 1978
- Occurs January 15-April 30
- Through ice only



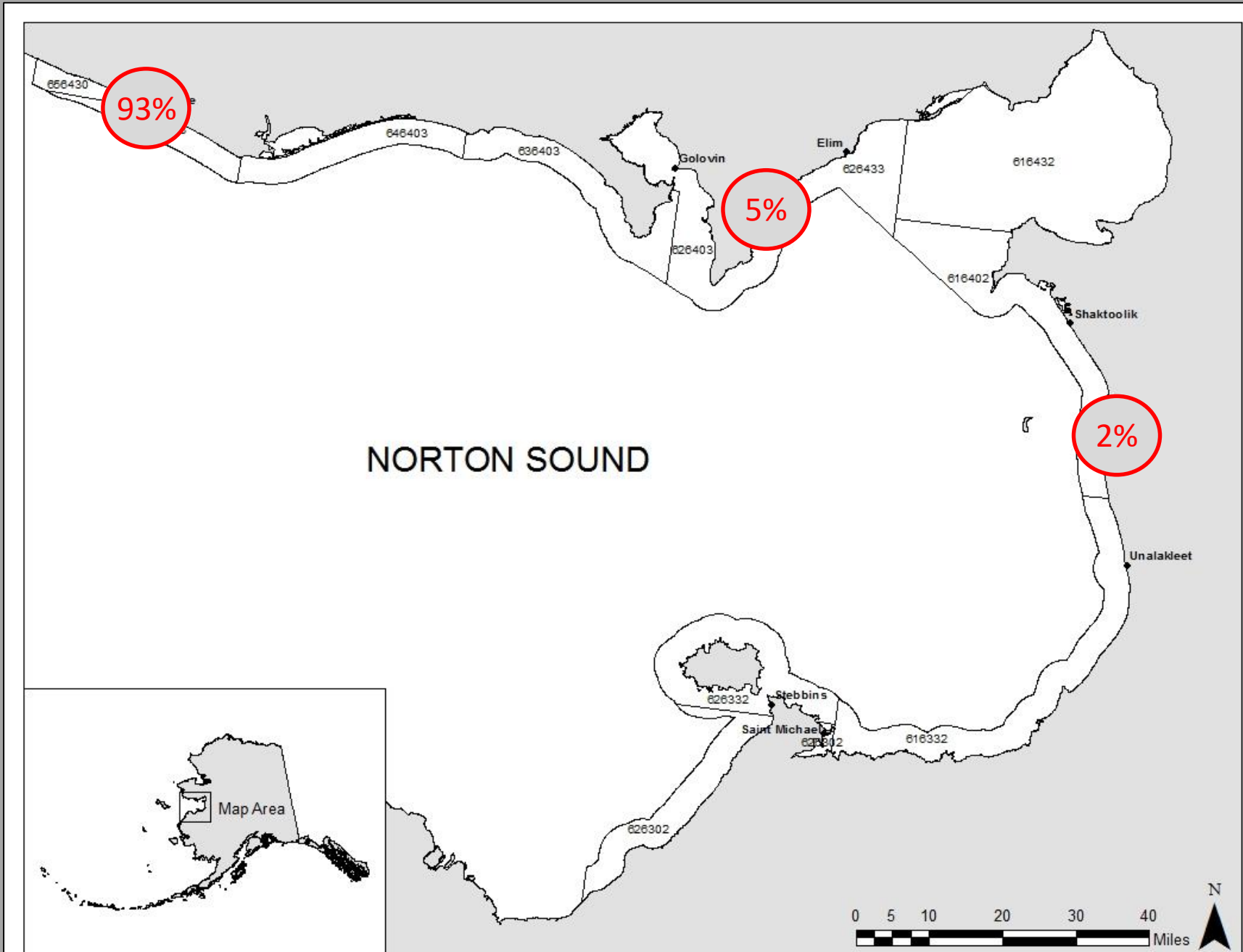
# WINTER COMMERCIAL FISHERY OVERVIEW

- 20 pot limit – pot tags
- 21 permit holders/year (10-yr avg.)
- CDQ & OA taken
- Live market
- Potentially high pot loss





# WINTER COMMERCIAL FISHERY OVERVIEW



# WINTER COMMERCIAL FISHERY OVERVIEW

## Monitoring Program

- **Local Processing Plant**
  - **Sample minimum – once/week**
  - **500 crab/season**
- **Observer Program**
  - **Started 2016 - voluntary**
  - **Data collected**
    - **Discard rate**
    - **Handling time**



# SUMMER COMMERCIAL FISHERY OVERVIEW



- Began 1977
- Shift from large vessels to small vessels
- 40 pot limit – pot tags
- Occurs June 15-Sept. 3



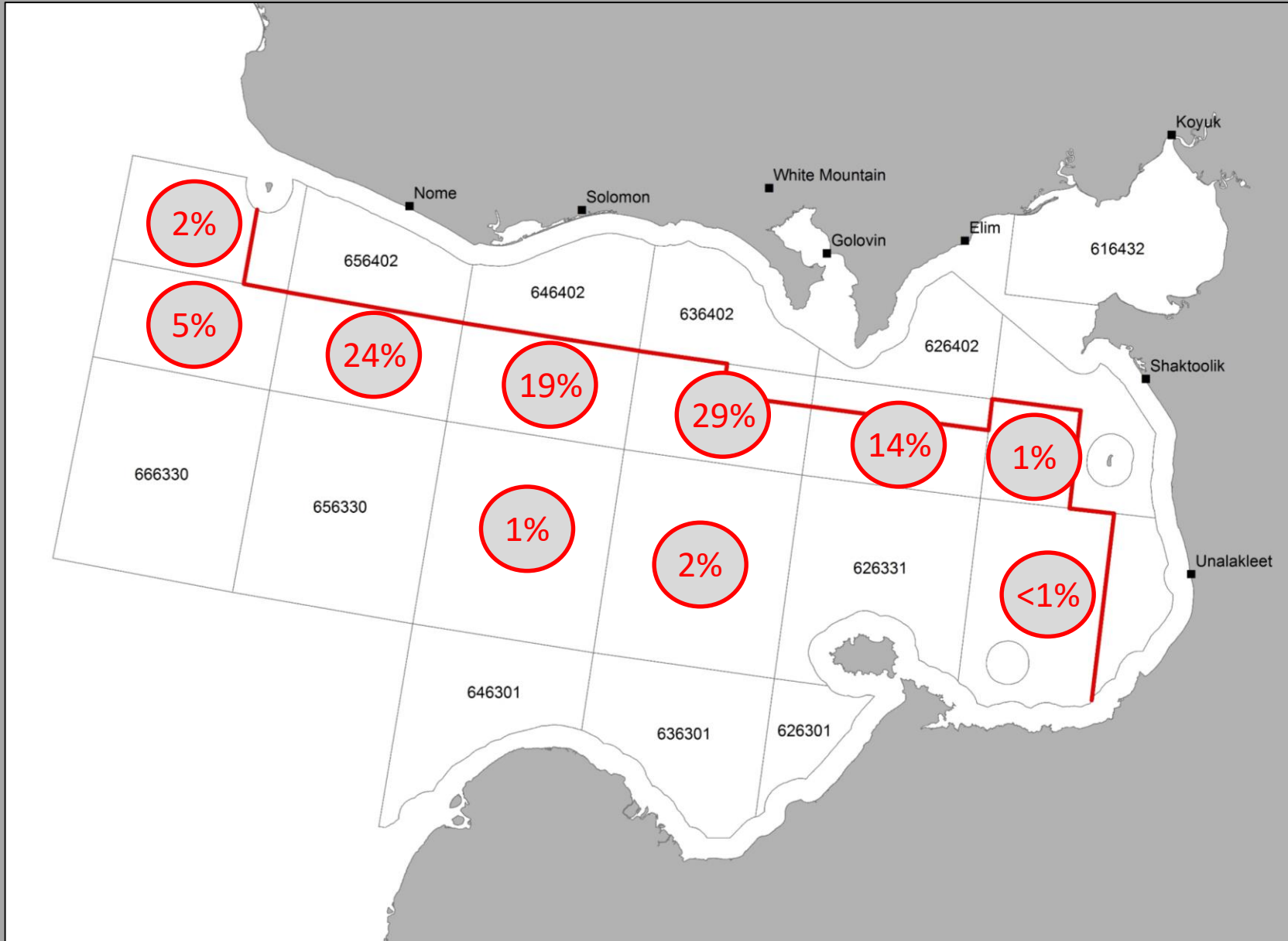


# SUMMER COMMERCIAL FISHERY OVERVIEW

- 31 permit holders/year (10-yr avg.)
- OA taken
- Live & frozen markets
- 2017 Vessel sizes:
  - Range – 18-51 ft.
  - 1 - <20 ft.
  - 12 – 20-30 ft.
  - 20 – 30-40 ft.
  - 1 – 40-50 ft.
  - 1 – >50 ft.



# SUMMER COMMERCIAL FISHERY OVERVIEW



# SUMMER COMMERCIAL FISHERY OVERVIEW

## Monitoring Program

- **Local Processing Plant**
  - 20 crab/tote from each delivery
  - 5,000 – 7,000 crab/season
  - 1-2 boats sampled/day
- **Observer Program**
  - Started 2012 - voluntary
  - Data collected
    - Carapace length
    - Shell condition
    - Discard rate

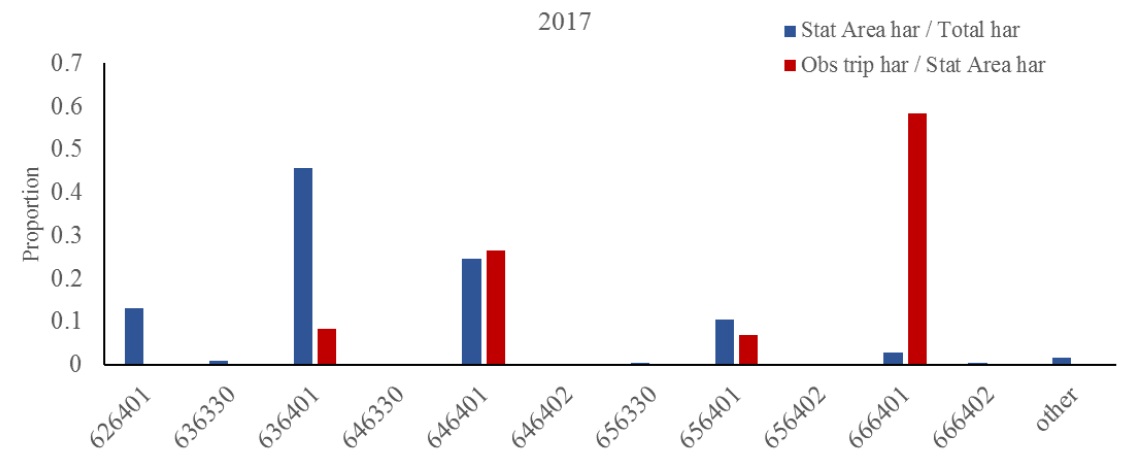
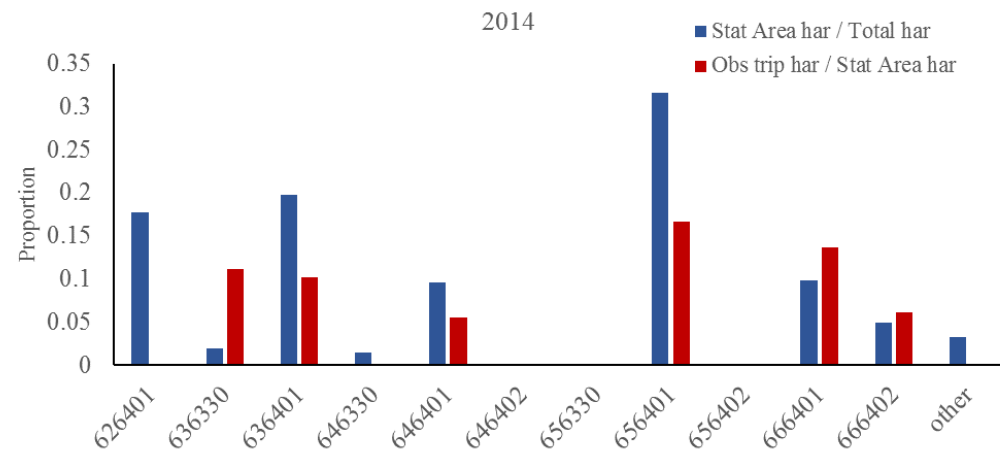
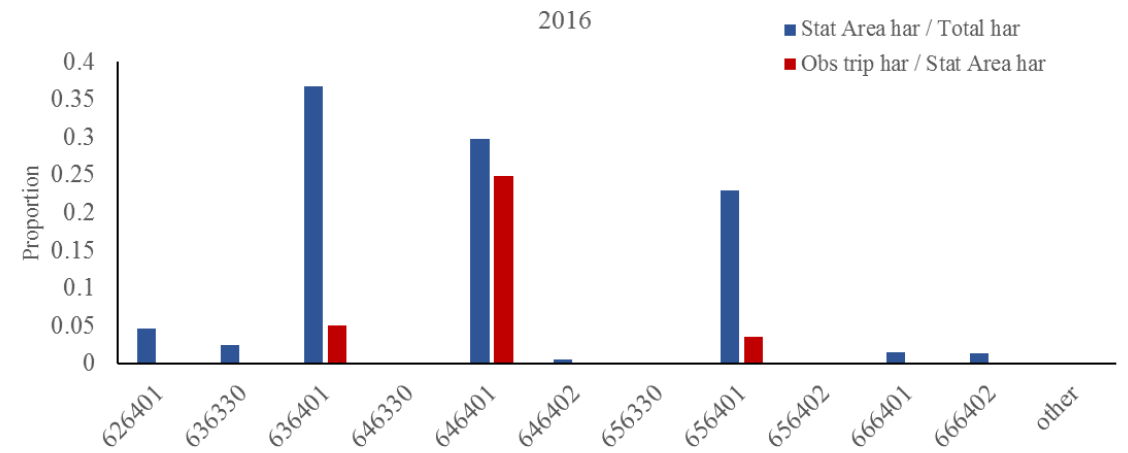
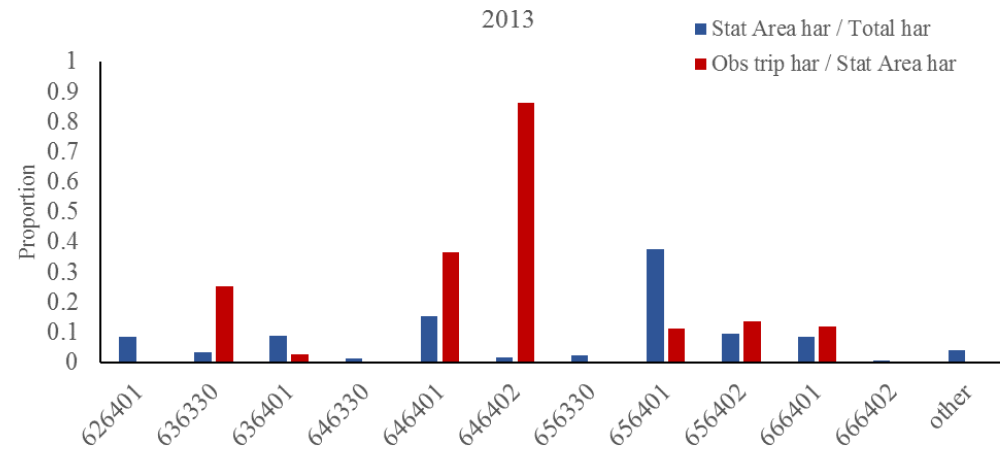
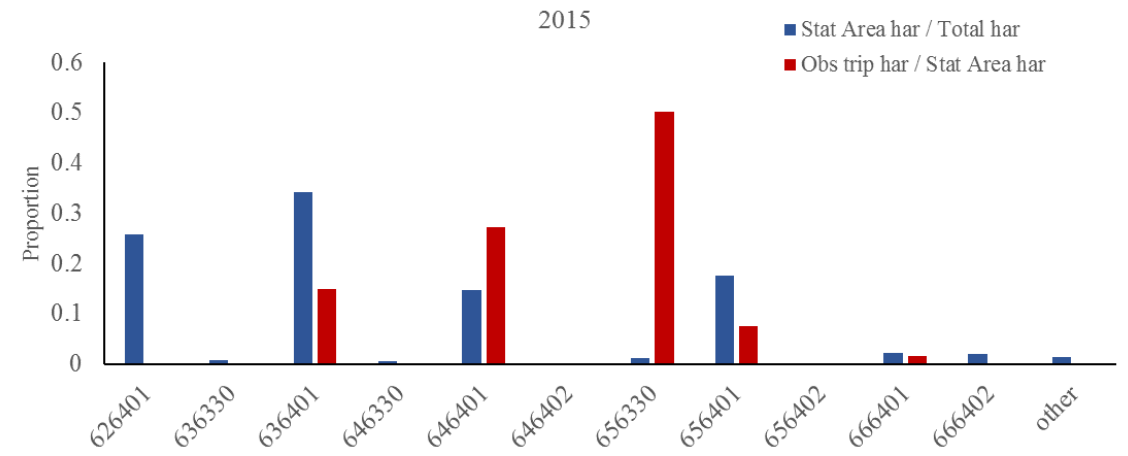


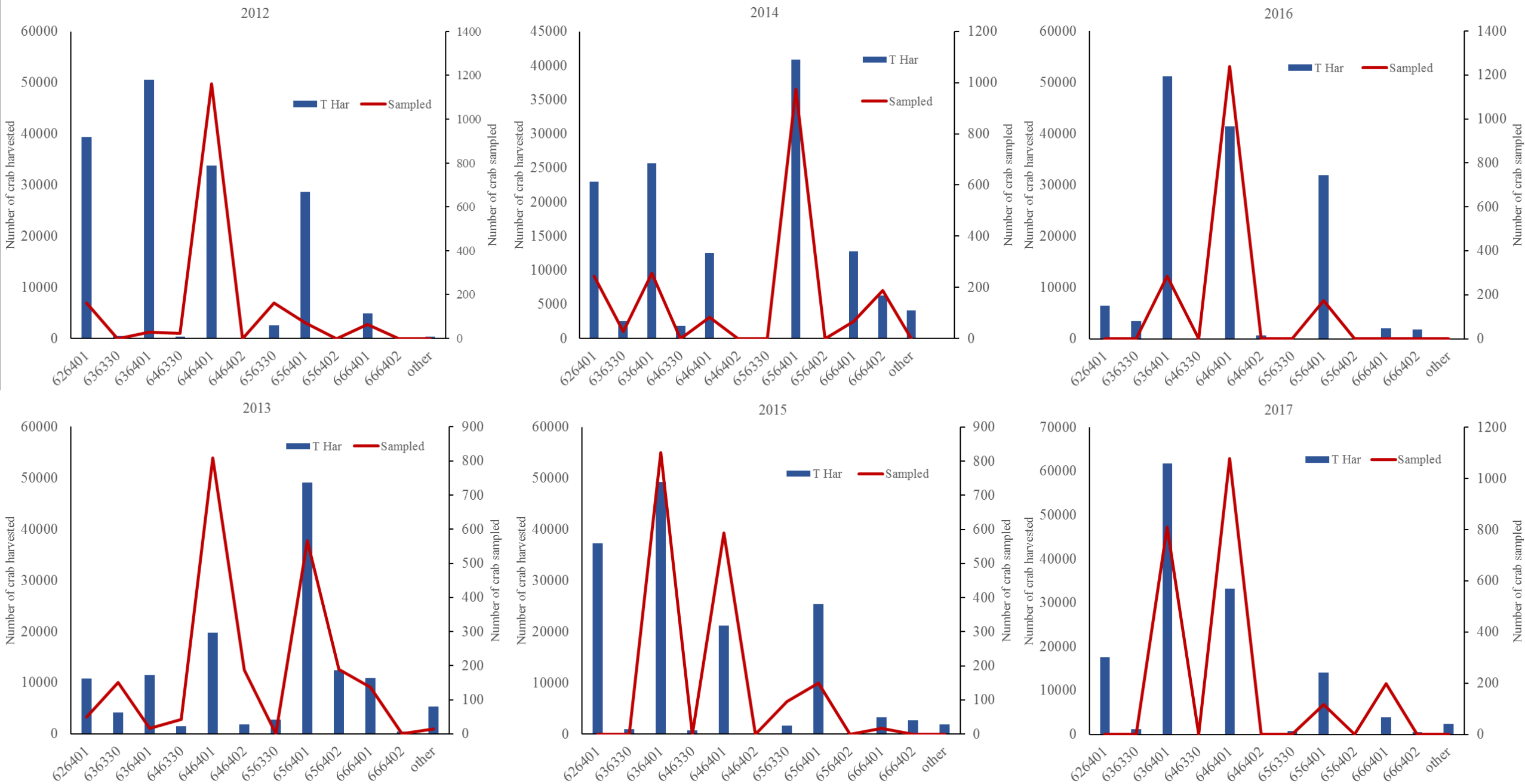


# SUMMER COMMERCIAL FISHERY OVERVIEW

## Monitoring Program

| Year | Total # Crab Harvested | Total # Crab Sampled | % Crab Sampled |
|------|------------------------|----------------------|----------------|
| 2012 | 161,113                | 1,676                | 1%             |
| 2013 | 130,603                | 2,166                | 2%             |
| 2014 | 129,657                | 1,838                | 1%             |
| 2015 | 144,225                | 1,676                | 1%             |
| 2016 | 138,997                | 1,700                | 1%             |
| 2017 | 135,323                | 2,204                | 2%             |







**QUESTIONS?**

