Prince William Sound (PWS) Shrimp Pot Fisheries



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Outline: PWS Shrimp Pot Fisheries

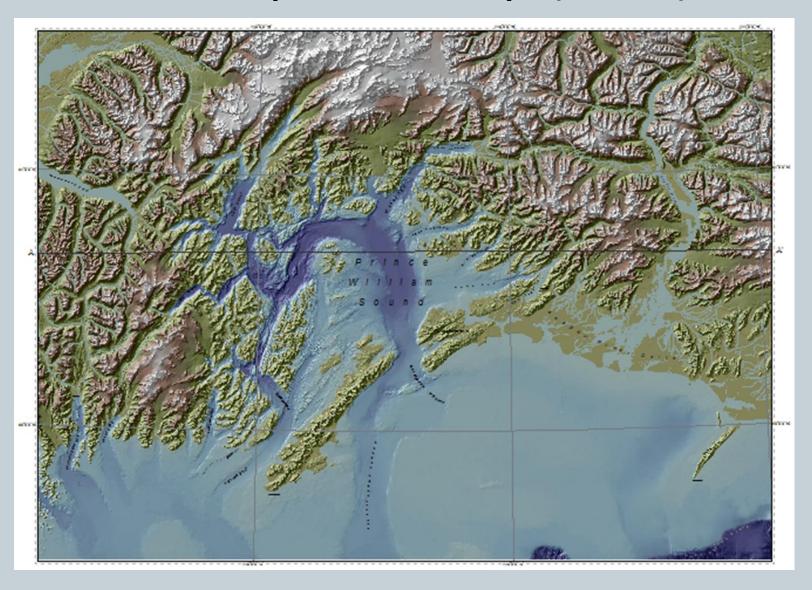


Area Description Biology and Life history **PWS Management** Regulations 2016 Season summary 2017 update Tricks to increase your odds Reminders

PWS Spot Shrimp (Area)

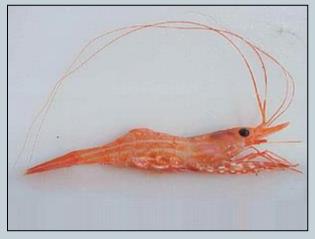


PWS Spot Shrimp (Area)



Three most commonly caught species of Pandalid Shrimp in the sound





Coonstripe



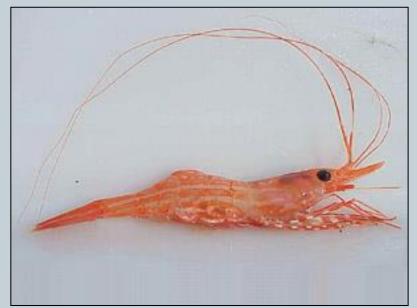
Spot



- 1) They are reported the same on the harvest report
- 2) THE ALL TASTE GOOD!

3 commonly caught species of pandalid shrimp:

1) Sidestriped (Pandalopsis dispar)



- 1) Slender, pinkish-orange in color with white stripes running lengthwise on the body
- 2) Can reach 8 inches in length
- 3) Extremely on antennae (1.5 times body length)

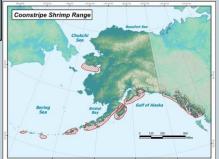


3 commonly caught species of pandalid shrimp:

2) Coonstripe (Pandalus hypsinotis)



- 1) Distinct darker striped marking on their abdomen
- 2) Typically range 4 6 inches and but can be up to 7 % inches
- 3) Distinct robust and arched Carapace



3 commonly caught species of pandalid shrimp:

3) Spot (Pandalus platyceros)



- 1) Largest and most common caught
- 2) Commonly exceeding 9 inches in Length
- 3) Distinct white spots behind the head

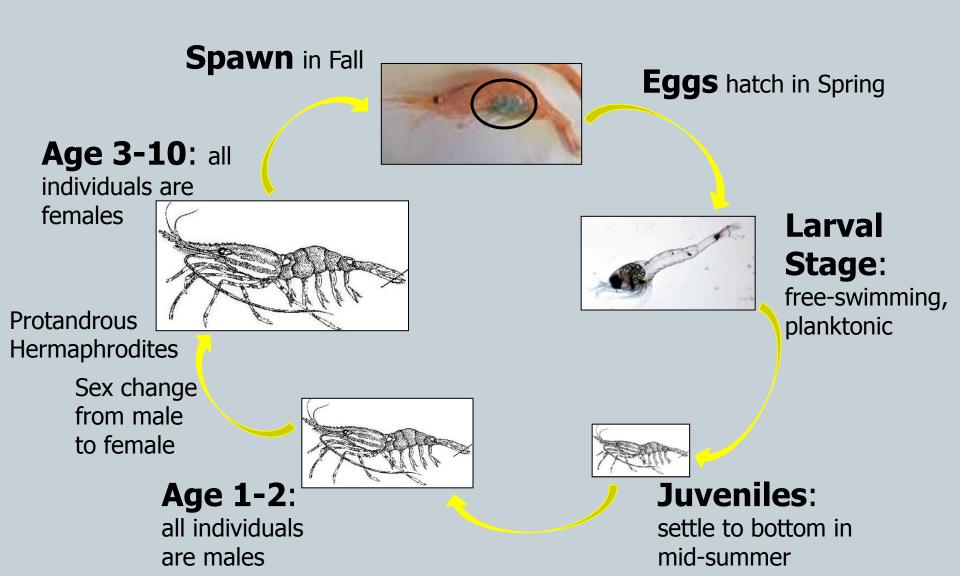


PWS Pandalid Shrimp (Lifecycle)

- Life span of seven to eleven years
- Adults are relatively sedentary (small range)
 - Susceptible to localized depletion
- Protandrous hermaphrodites
 - Begin life as males
 - Become female later in life at larger size (~35 mm carapace length)



PWS Pandalid Shrimp (Lifecycle)



What do they eat?

Opportunistic scavengers: Use antennas to actively search for food: invertebrates, algae, detritus....More active at night

What eats them?

Halibut, Rockfish, cod, salmon, us, etc.

Where can adults be found?

rock piles, crevices, coral, coral, on sponges, debris-covered bottoms. (20 – 250 fathoms) greatest concentration ~60 fathoms

PWS Shrimp (Management)

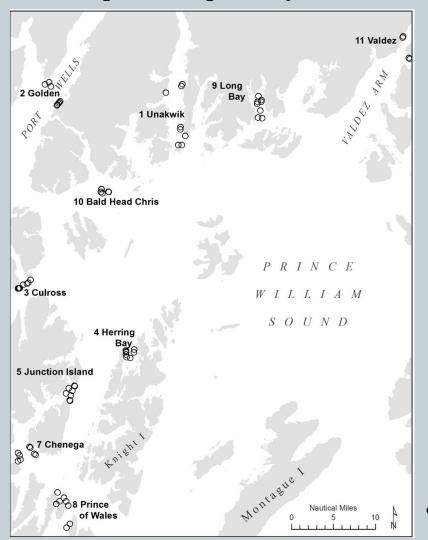
Research (Survey and collect information)

 Develop models to determine sustainable harvest levels

 Inform public and allow user to harvest within sustainable levels and current regulatory guidelines

PWS Shrimp (Shrimp Survey)

ADF&G Spot Shrimp Survey Site Locations





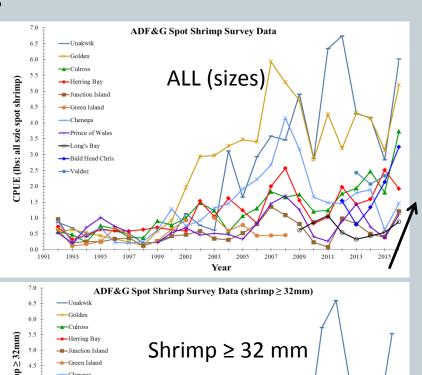


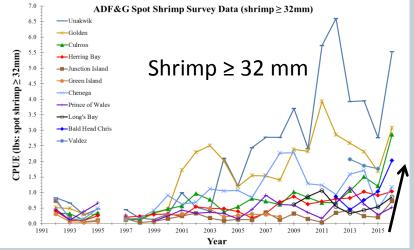
More information online

PWS Shrimp (Shrimp Results)

ADF&G Spot Shrimp Survey Site Locations







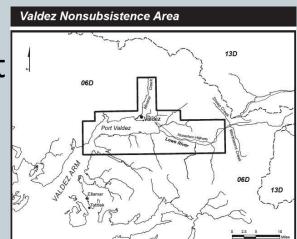
Charts are available online.

PWS Shrimp (Management) Guideline Harvest Level (GHL) Development

- Surplus Production Model
 - Relative survey abundance
 - Survey CPUE
 - Total catch weight
 - Previous year's harvest from commercial and noncommercial fisheries
- Model provides total allowable harvest (TAH) and GHLs for commercial (40%) and noncommercial fisheries (60%)
- 2017 Fishery TAH: 167, 579 lbs
 Non commercial fishery (GHL)= 100,000 lb
 Commercial fishery = 67,000 lb,

PWS Shrimp (Non commercial Management)

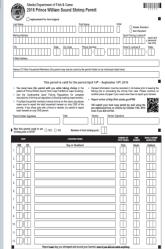
- 1) Noncommercial = subsistence and sport
- 2) Sport license is required for sport but not for subsistence
- 3) All saltwaters are open to shrimp fishing with the exception of subsistence use in the Valdez Non subsistence area
- 4) There is no threshold that must be met in order for this fishery to take place
- 5) No daily or season bag limit of shrimp



PWS Shrimp

(Non commercial Management)

- 1. Same permit for all non commerical users (subsistence and sport)
- 2. Permits are available online!
- 3. Permit required at time of harvest
- 4. Must be filled out prior to leaving fishing site
- 5. Shrimp reported as gallons of whole shrimp
- 6. Required to report by Oct. 15. Reporting can be done online.

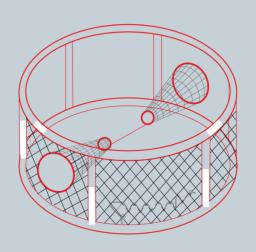




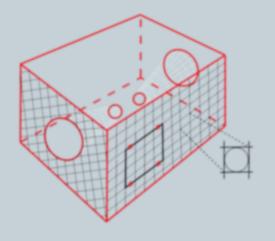


PWS Shrimp (2016 update)





PWS Shrimp (2016)



- Management goal: To stay within the established noncommercial GHL of 70,500 lb.
 - Emergency order (EO) was issued to reduced the maximum number of pots from 5 to 4 per person per vessel.

PWS Shrimp (2016 update)

Most PWS permits issued

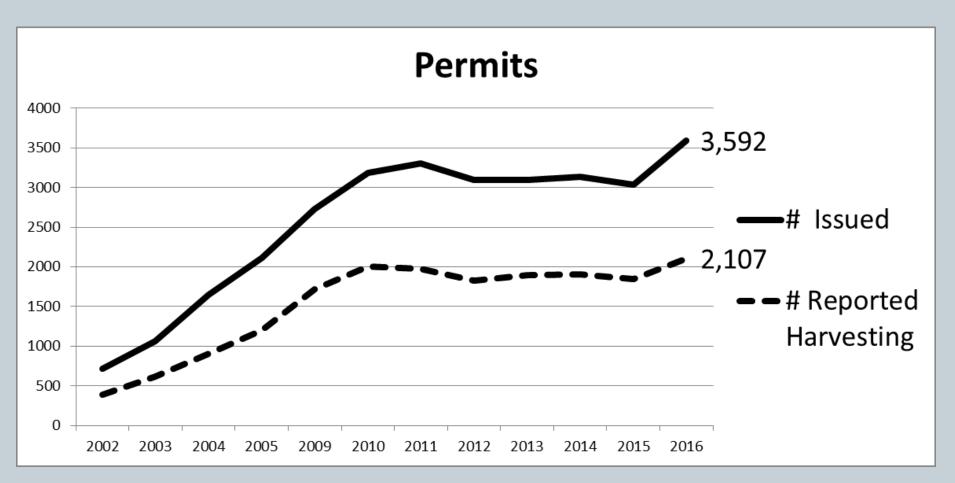
Low (pre-2009) effort levels

Emergency Order was issued (Reducing pot limit from 5 to 4)	2016	Prior 5-yr Avg (2011 -2015)
Permits Issued	3,592	3,092
% Response	91%	87%
% reported harvesting Shrimp	59%	60%
	V	
Effort (Pot days)*	45,012	50,989
Harvest (Gallon of whole shrimp)*	26,423	23,317
Harvest (lbs)*	102,785	90,705

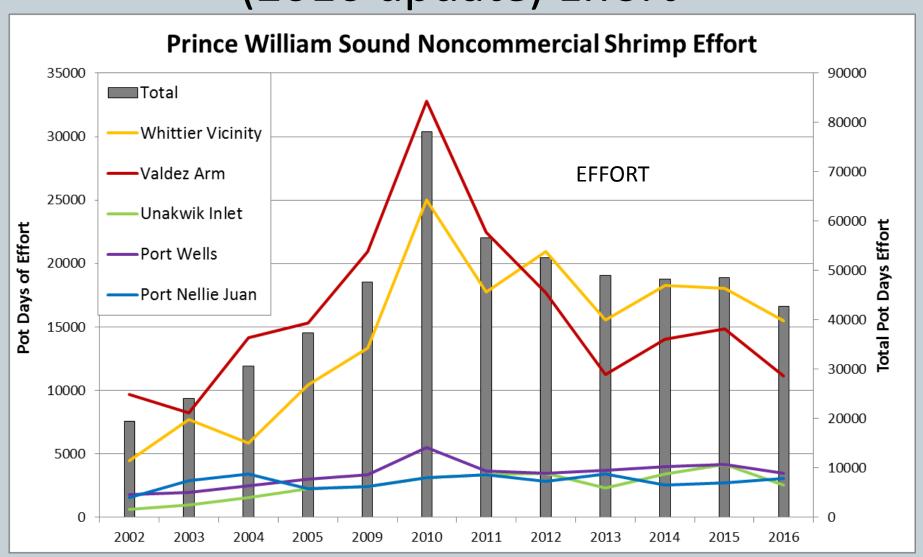
^{*} expanded to account for non-reported

Highest harvest on record

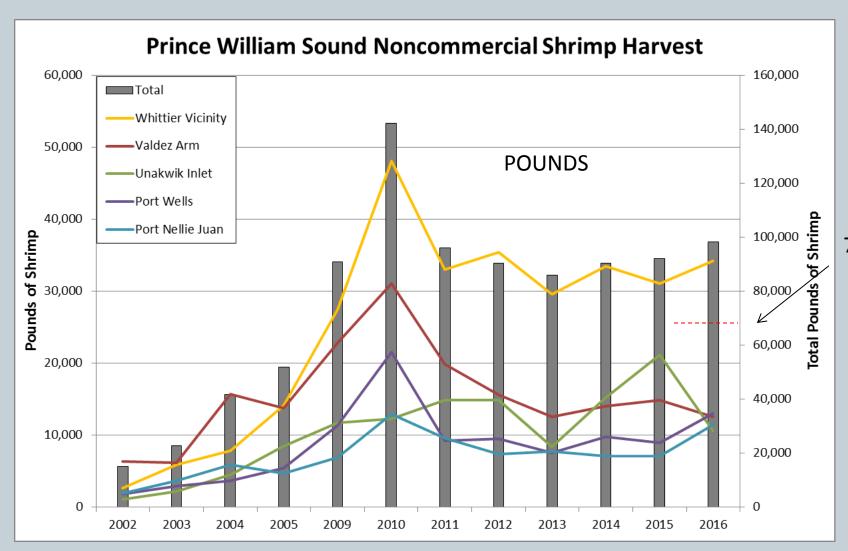
PWS Shrimp (2016 update) Permits



PWS Shrimp non commercial (2016 update) Effort



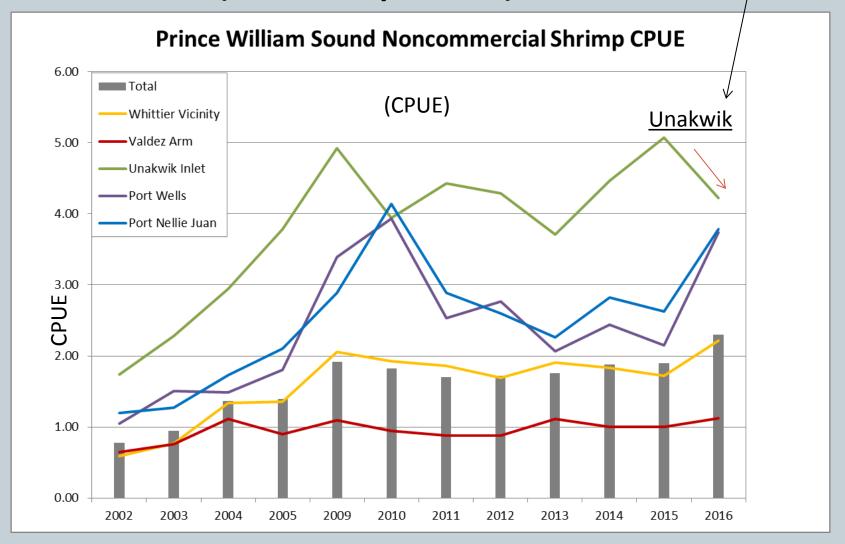
PWS Shrimp non commercial (2016 update) Harvest

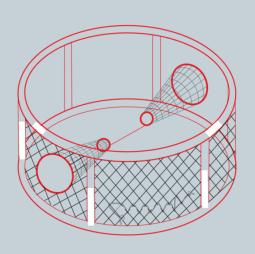


2016 GHL 70,500

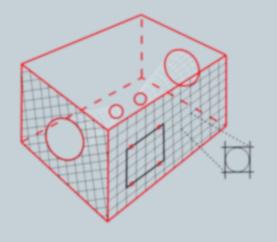
PWS Shrimp non commercial (2016 update) CPUE

Commercial Concentrated in area 1 in 2016

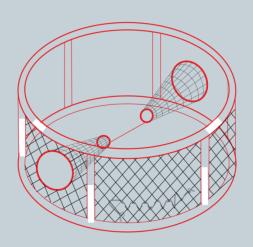




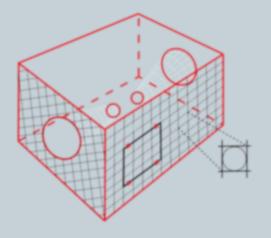
PWS Shrimp (2017)



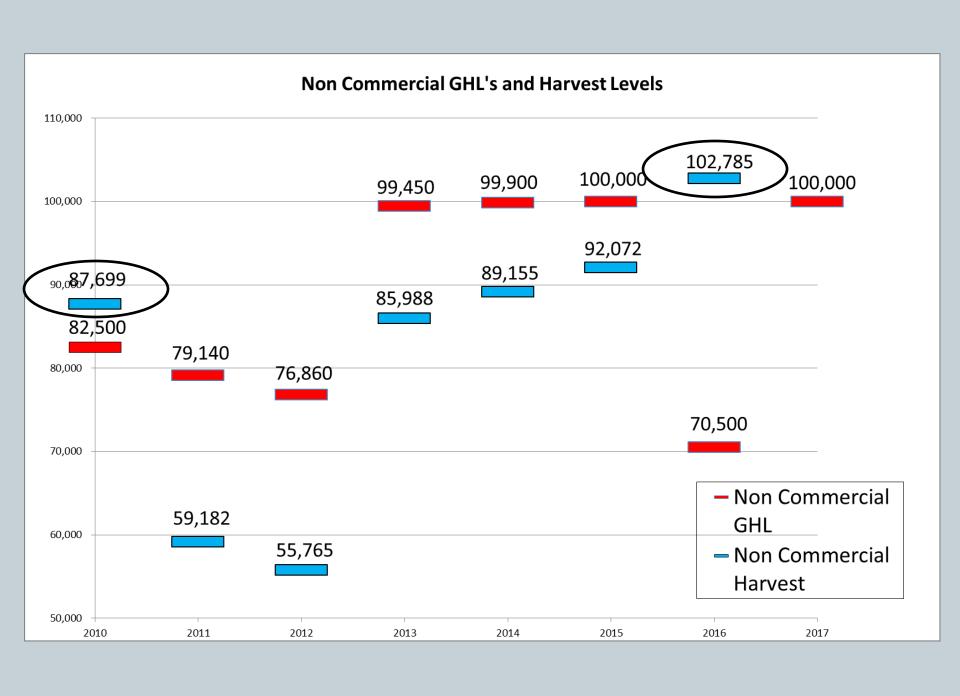
- Commercial shrimp survey results were positive.
- Management goal: To stay within the established noncommercial GHL of <u>100,000 lb.</u>
 - Emergency order (EO) was issued to reduced the maximum number of pots from 5 to 4 per person per vessel.



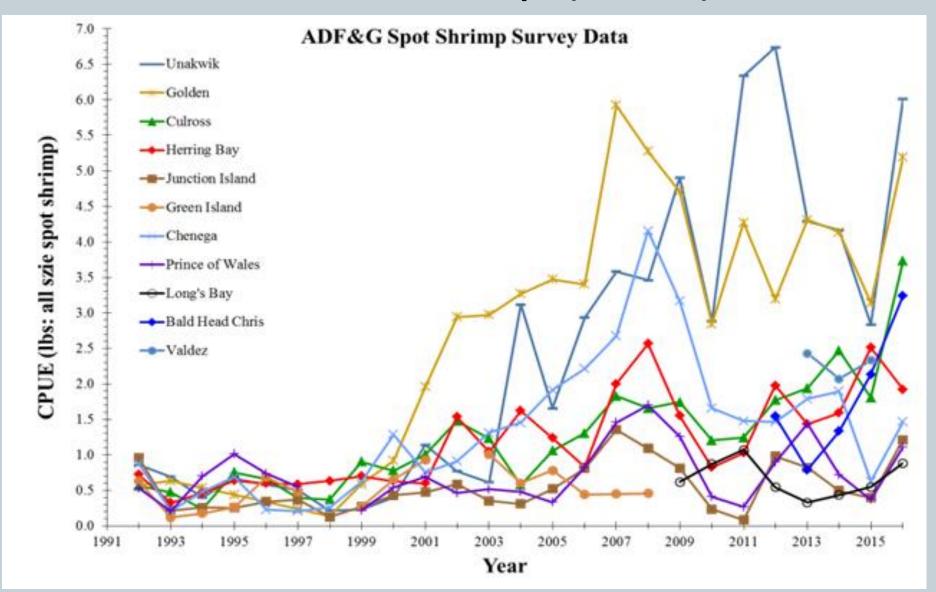
PWS Shrimp (2017)



- Oct 2016 Commercial survey indicated shrimp population healthy
- 2017 Participation (??)
 - Have no reason to anticipate an increase in participation.
- 2017 Effort (??)
 - Per E.O. reduced from 5 pots to 4 pots per person per vessel to remain similar effort levels of 2016.
- 2017 Harvest (??)
 - If participation, effort, and shrimp population is similar to 2016 season the harvest levels should be similar to 2016 season.



PWS Shrimp (2017)



PWS Shrimp (Tricks)

- Get the most use out of your 4 pots
 - Have two strings of two pots
- Soak pots overnight when possible
 - Shrimp are more active at night
- Be adaptive
 - Try new areas to avoid localized depletion
 - Use variety of baits
 - Seasonal movement



PWS Shrimp (Reminders)

- Get your fishing license and permit online
- Reporting is required and is important for accurate management. (Report online)
- Read and understand the regulations and Emergency Orders (Current Shrimp EO = 4 pots per vessel)
- Enforcement will be out.....Please correctly label your pot line
 - Must have name, home address, DOT Boat number or boat name (see reg booklet for more details)
 - Recommend putting your phone number on your buoy to aid enforcement officials

Have Fun and Be Safe!!



