

Alaska Dept. of Fish and Game Trawl Surveys In the Gulf of Alaska and Eastern Aleutian Is.



Dan Urban, Nicholas Sagalkin, Kally Spalinger
ADF&G Kodiak



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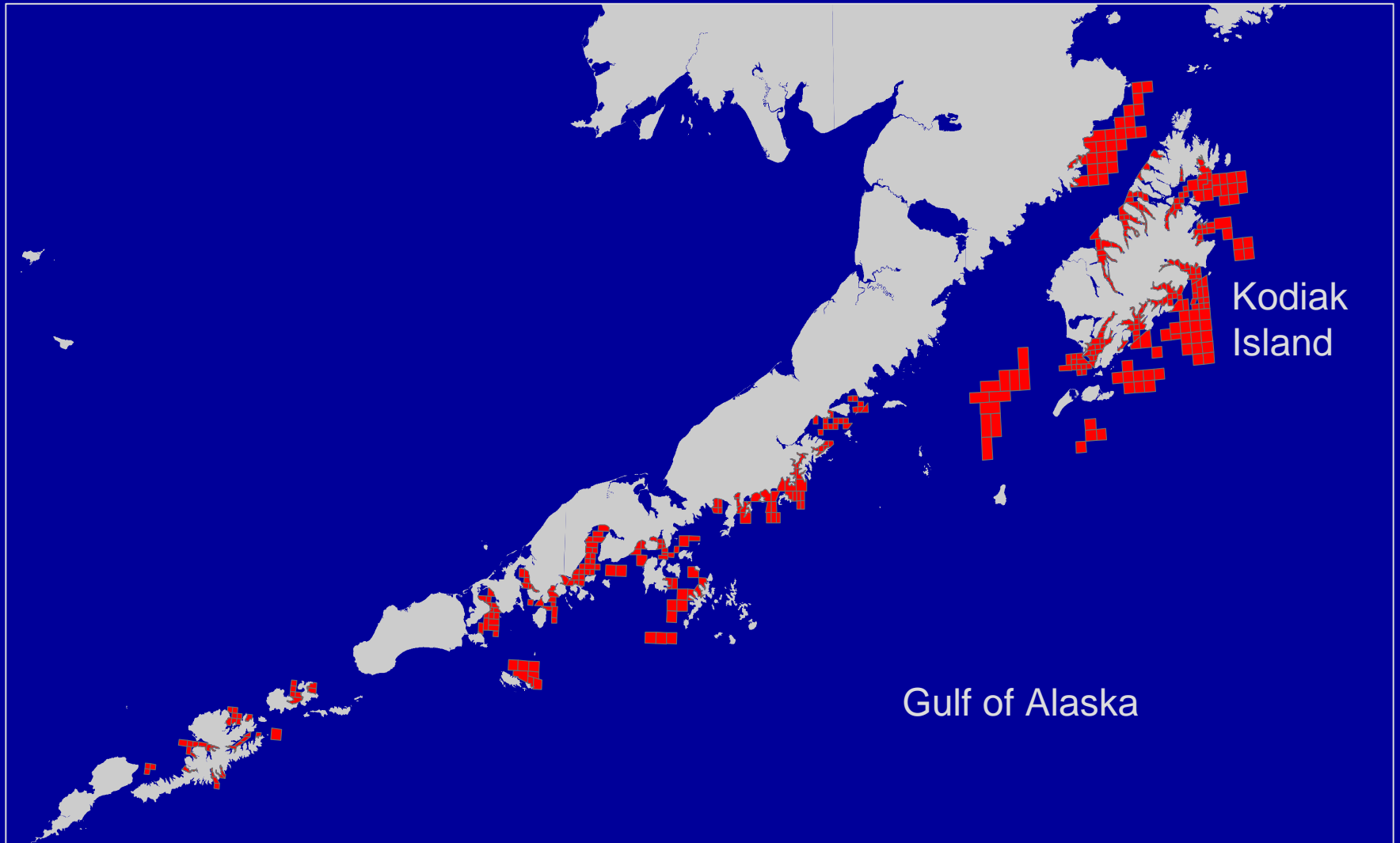


Dan Urban¹, Nicholas Sagalkin², Kally Spalinger²

¹NMFS Kodiak, ²ADF&G Kodiak



Large-mesh Trawl Survey Stations

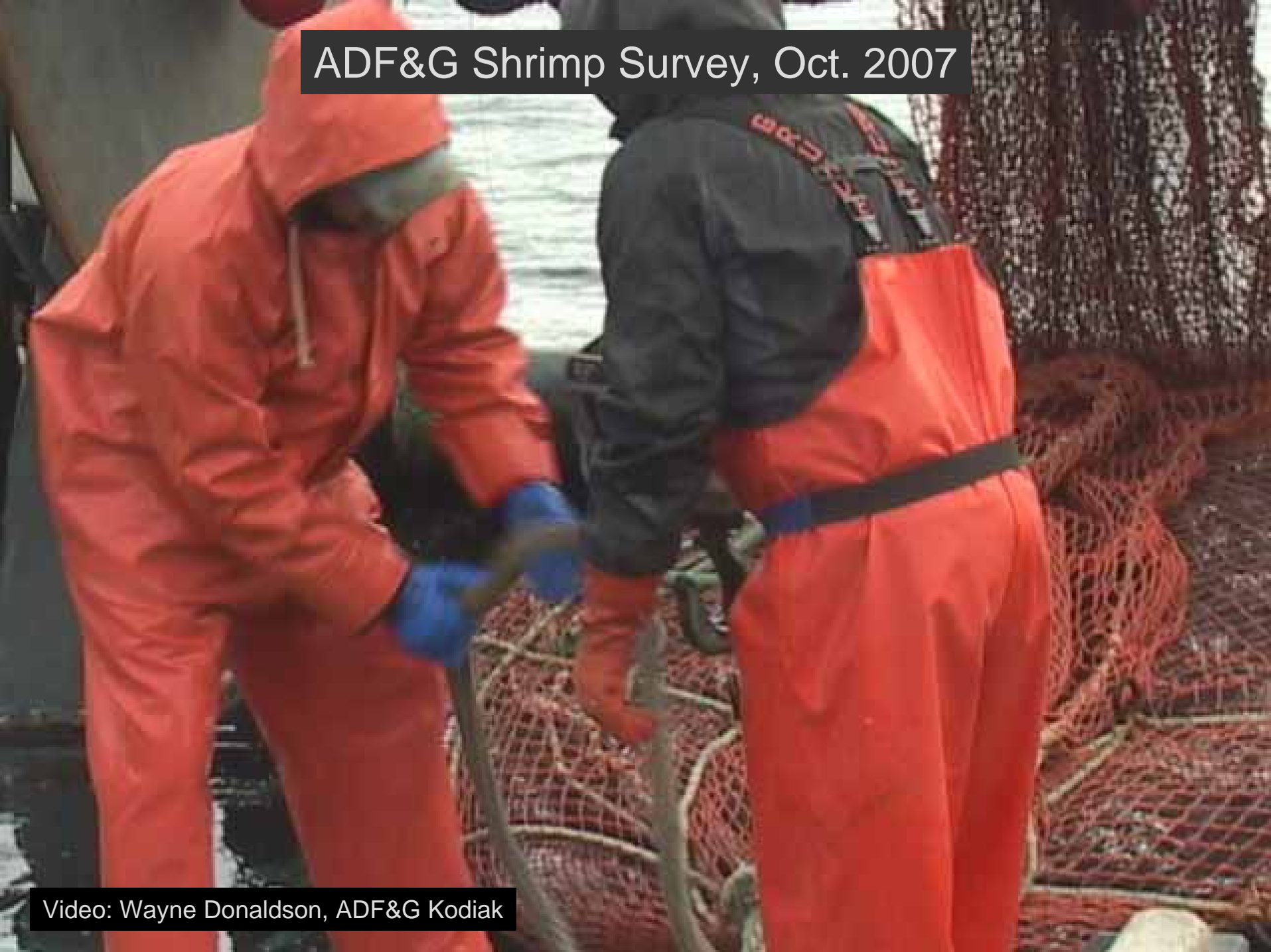


R/V Resolution



circa 1970, 27.3 m

ADF&G Shrimp Survey, Oct. 2007



Video: Wayne Donaldson, ADF&G Kodiak

NET SPECIFICATIONS

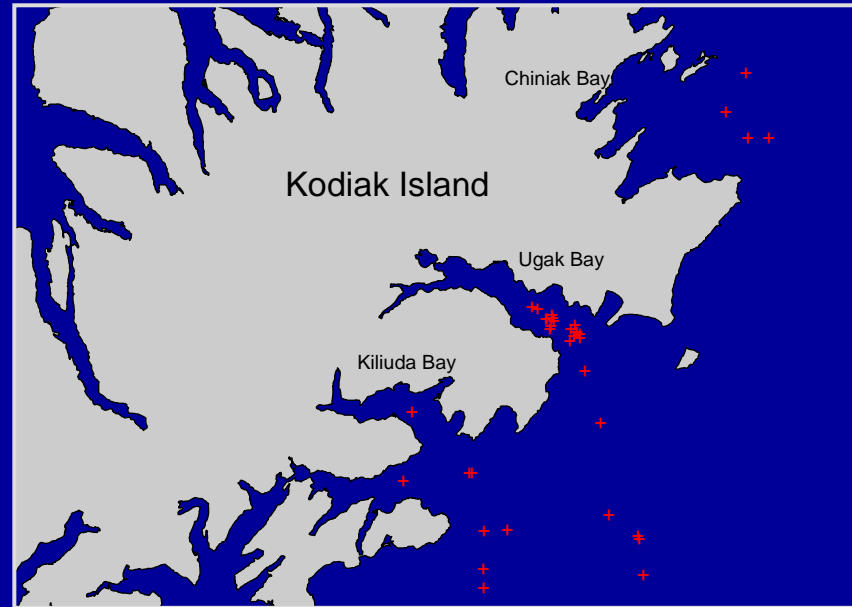
	Shrimp Net	Multi-species trawl net
NET	Small-mesh high opening	400-mesh Eastern otter trawl
FOOTROPE	18.6 meters 17m “tickler” chain	29 meters 1 cm chain attached every 25.4 cm
OPENING	9.8 m x 4 m	13.8 m x 1.9 m
DOORS	Astoria semi-V 340 kg, 1.7m x 2.7 m	Astoria V 340 kg, 1.5 m x 2.1 m
MESH	3.1 cm stretch mesh throughout	10.2 stretch mesh in mouth 8.9 cm stretch mesh in body 3.2 cm stretch mesh in codend

HABITAT AREA x DENSITY = POPULATION



photo: Guy Powell, ADF&G Kodiak

FISHING POWER STUDY, Oct. 1997



- R/V Resolution (400-mesh Eastern) and F/V Peggy Jo (Nor'Eastern)
- 33 paired trawls
- SCANMAR headrope and wing sensors
- bottom contact sensor

FISHING POWER STUDY: RESULTS

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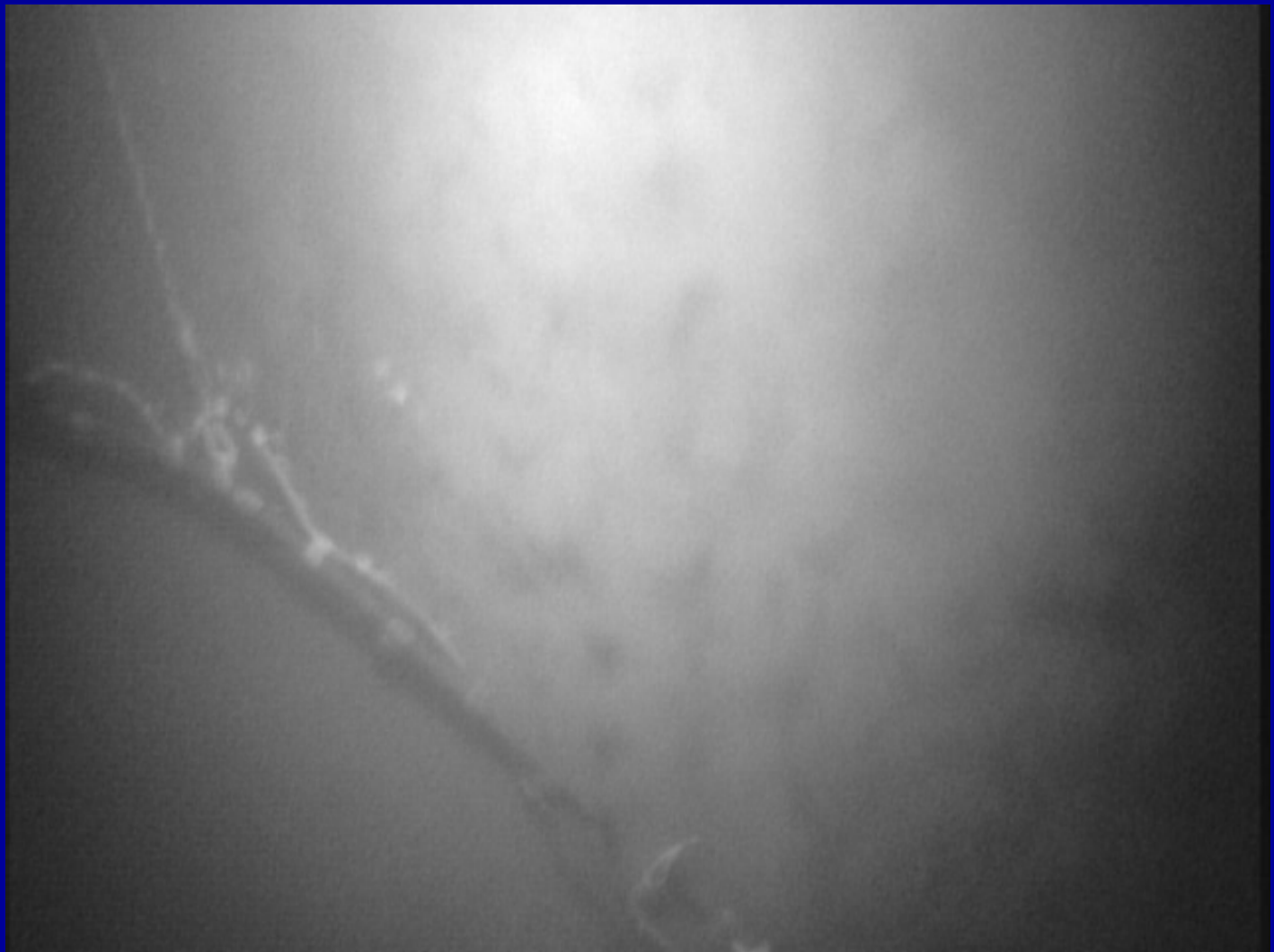
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	Captain Ron	Sensors
Net width	Constant 12.2 m	Avg. 13.8 m
Tow distance	1.74 km	1.85 km*

*net stayed on bottom during part of the retrieval





5 up
1 down



6 up
4 down

WHAT ABOUT BURIED CRAB?



photo: Guy Powell, ADF&G Kodiak



photo: Gregg Rosenkrantz, ADF&G Kodiak

ADF&G Trawl Standardization



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Masaccio, 1427

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Tanner Crab Guideline Harvest 2008

Section	Allowable Catch	Harvest Guideline
Kodiak NE	225,520	100,000
Kodiak E	550,056	400,000
S. Peninsula West	551,893	250,000



THANK YOU!

photo: Nick Sagalkin, ADF&G Kodiak