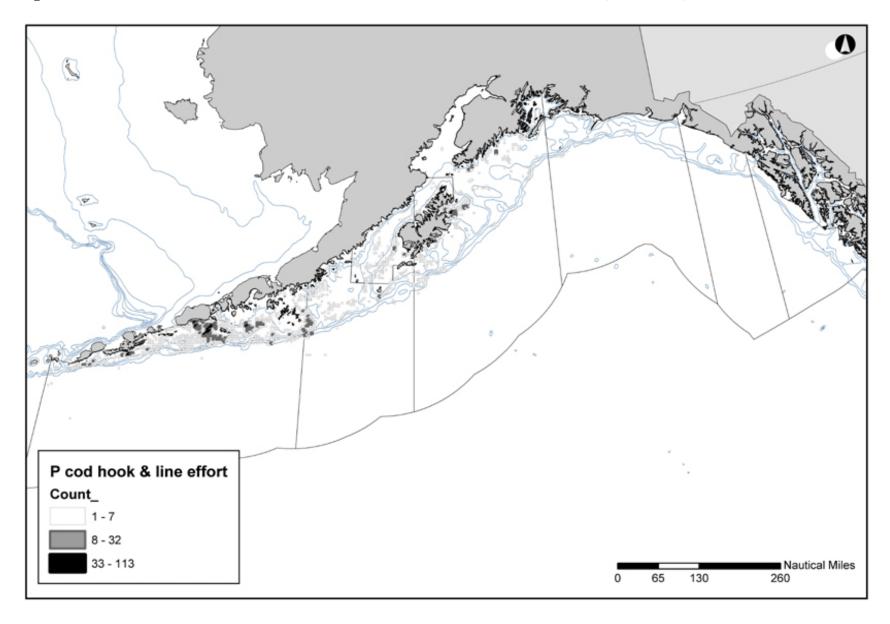
Figure 3.4-14. Gulf of Alaska: 1990-2002 Observed Pacific Cod Hook and Line Effort (Sets/25 km²)



Note: (Sets/25 km²) = Summed for 1990 to 2002 Source: Cathy Coon, NPFMC Staff, North Pacific Observer Program Data

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P cod pot effort Count_ 1 - 13 14 - 41 42 - 167 Nautical Miles 130 260

Figure 3.4-15. Gulf of Alaska: 1990-2002 Observed Pacific Cod Pot Effort (Sets/25 km²)

Note: (Sets/25 km²) = Summed for 1990 to 2002 Source: Cathy Coon, NPFMC Staff, North Pacific Observer Program Data

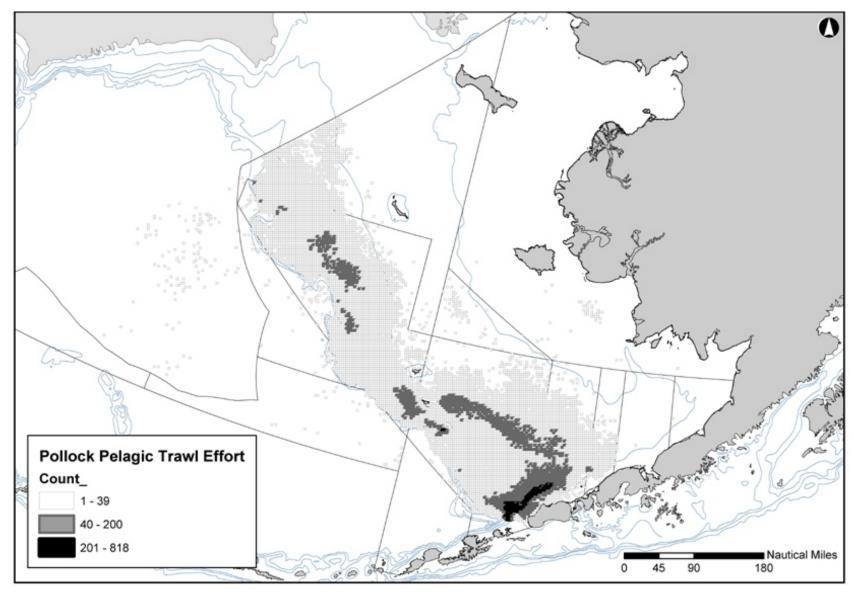


Figure 3.4-16. Bering Sea: 1990-2002 Observed Pollock Pelagic Trawl Effort (Sets/25 km²)

Note: (Sets/25 km^2) = Summed for 1990 to 2002

Pollock Non-Pelagic Trawl Effort Count_ 1 - 13 14 - 48 49 - 137 Nautical Miles 90 45 180

Figure 3.4-17. Bering Sea: 1990-2002 Observed Pollock Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Pollock Pelagic Trawl Effort Count_ 1 - 42 43 - 274 275 - 671 Nautical Miles 80 160

Figure 3.4-18. Aleutian Islands: 1990-2002 Observed Pollock Pelagic Trawl Effort (Sets/25 km²)

Pollock Non-Pelagic Trawl Effort Count_ ■ Nautical Miles 80 160

Figure 3.4-19. Aleutian Islands: 1990-2002 Observed Pollock Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

0 P Cod Non-Pelagic Trawl Effort Count_ 1 - 101 102 - 476 477 - 1045 Nautical Miles 90 180 45

Figure 3.4-20. Bering Sea: 1990-2002 Observed Pacific Cod Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

P. Cod Non-Pelagic Trawl Effort Count_ 1 - 20 21 - 76 77 - 239 Nautical Miles

80

160

Figure 3.4-21. Aleutian Islands: 1990-2002 Observed Pacific Cod Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Note: $(\text{Sets}/25 \text{ km}^2) = \text{Summed for } 1990 \text{ to } 2002$

Rock Sole Non-Pelagic Trawl Effort Count_ 1 - 27 28 - 92 93 - 310 ■ Nautical Miles 90 45 180

Figure 3.4-22. Bering Sea: 1990-2002 Observed Rock Sole Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Yellowfin Sole Non-Pelagic Trawl Effort Count_ 1 - 32

Nautical Miles

180

90

45

Figure 3.4-23. Bering Sea: 1990-2002 Observed Yellowfin Sole Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Note: $(\text{Sets}/25 \text{ km}^2) = \text{Summed for } 1990 \text{ to } 2002$

33 - 127 128 - 409

0 Flathead Sole & Other Flatfish Non-Pelagic Trawl Effort Count_ 1 - 8 Nautical Miles 27 - 86 90 180 45

Figure 3.4-24. Bering Sea: 1990-2002 Observed Flathead Sole and Other Flatfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Source: Cathy Coon, NPFMC Staff, North Pacific Observer Program Data

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0 Rockfish Non-Pelagic Trawl Effort Count_ 1 - 7 8 - 20 Nautical Miles 90 180 45

Figure 3.4-25. Bering Sea: 1990-2002 Observed Rockfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Rockfish Non-Pelagic Trawl Effort Count_ 1 - 15 16 - 121 122 - 298 80 160

Figure 3.4-26. Aleutian Islands: 1990-2002 Observed Rockfish Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

Figure 3.4-27. Aleutian Islands: 1990-2002 Observed Atka Mackeral Non-Pelagic (Bottom) Trawl Effort (Sets/25 km²)

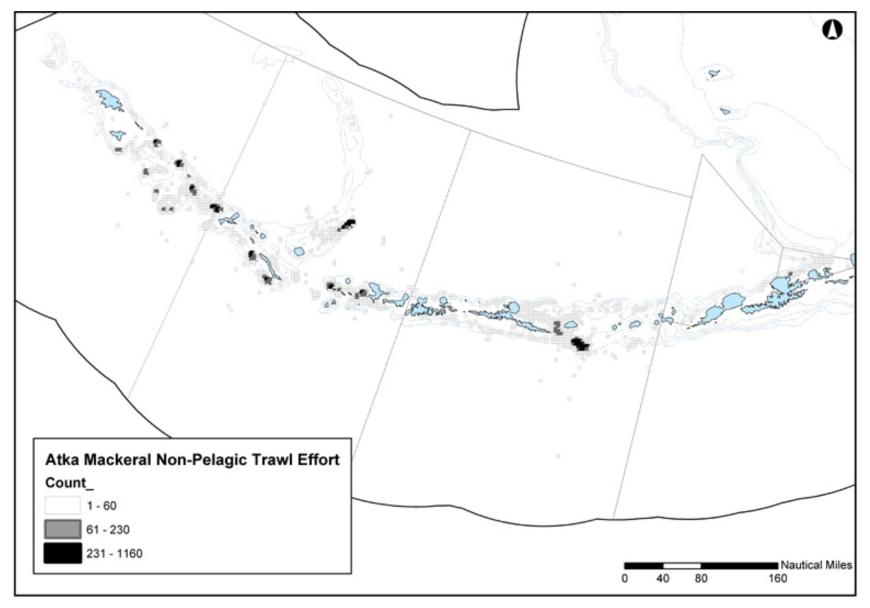
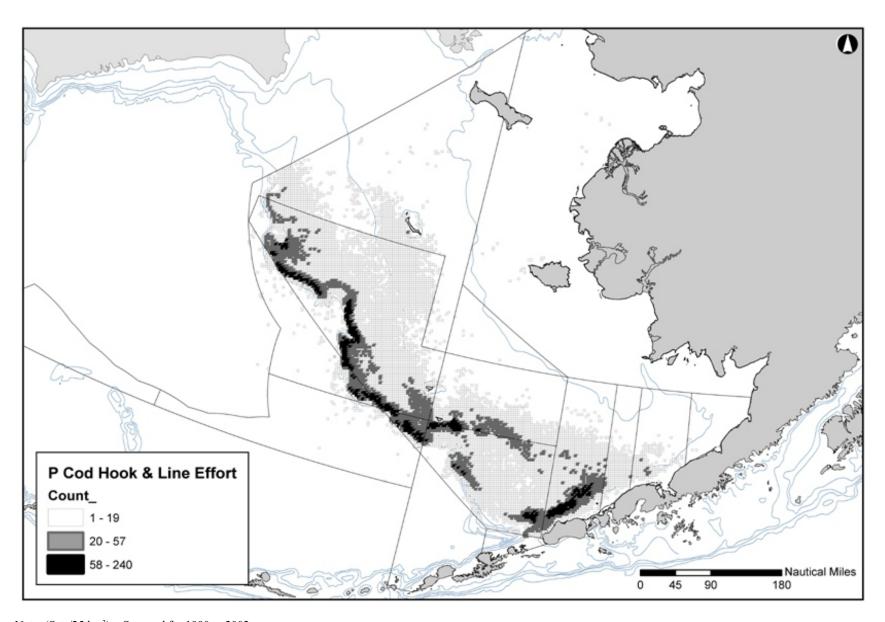


Figure 3.4-28. Bering Sea: 1990-2002 Observed Pacific Cod Hook and Line Effort (Sets/25 km²)



Note: (Sets/25 km^2) = Summed for 1990 to 2002

Source: Cathy Coon, NPFMC Staff, North Pacific Observer Program Data

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P Cod Hook & Line Effort Count_ 1 - 25 26 - 96

Nautical Miles

160

80

Figure 3.4-29. Aleutian Islands: 1990-2002 Observed Pacific Cod Hook and Line Effort (Sets/25 km²)

Note: $(\text{Sets}/25 \text{ km}^2) = \text{Summed for } 1990 \text{ to } 2002$

97 - 325

0 Sablefish Turbot Hook & Line Effort Count_ 1 - 10 11 - 33

Nautical Miles

180

45

Figure 3.4-30. Bering Sea: 1990-2002 Observed Sablefish and Turbot Hook and Line Trawl Effort (Sets/25 km²)

Note: $(\text{Sets}/25 \text{ km}^2) = \text{Summed for } 1990 \text{ to } 2002$

34 - 112

Figure 3.4-31. Aleutian Islands: 1990-2002 Observed Sablefish and Turbot Hook and Line Effort (Sets/25 km²)

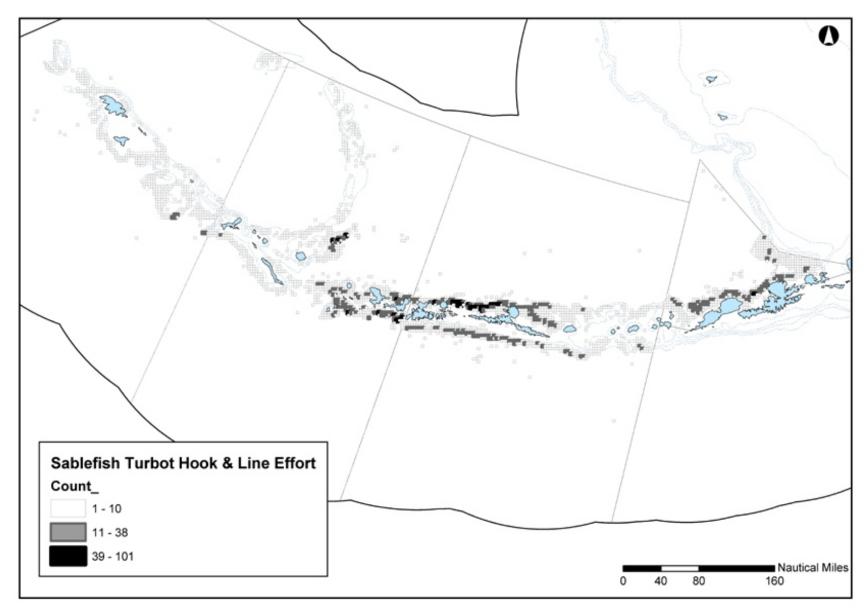
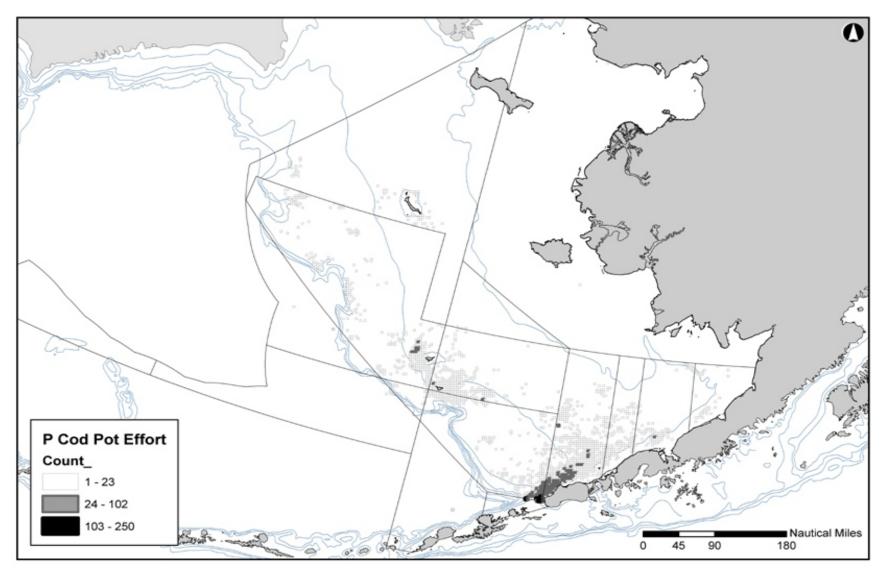


Figure 3.4-32. Bering Sea: 1990-2002 Observed Pacific Cod Pot Effort (Sets/25 km²)



Note: (Sets/25 km^2) = Summed for 1990 to 2002

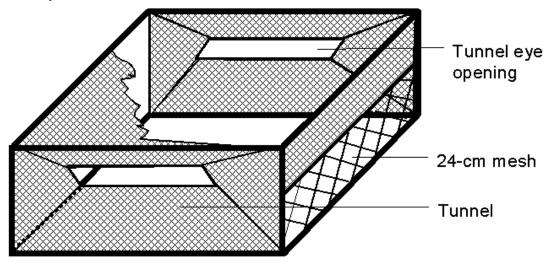
0 P Cod Pot Effort Count_ 1 - 64 65 - 269 270 - 861 Nautical Miles 80 160

Figure 3.4-33. Aleutian Islands: 1990-2002 Observed Pacific Cod Pot Effort (Sets/25 km²)

Note: (Sets/25 km^2) = Summed for 1990 to 2002

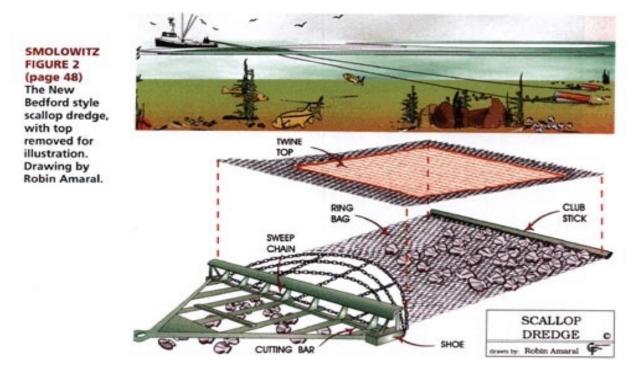
Figure 3.4-34. Crab Pot/Pacific Cod Pot

Standard pot



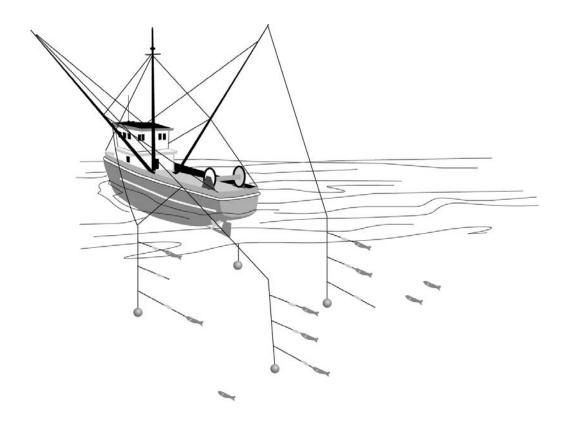
Source: Alaska Department of Fish and Game

Figure 3.4-35. Scallop Dredge, The New Bedford Style



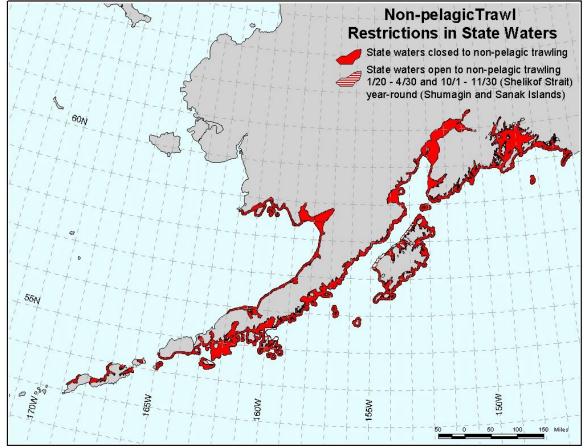
Source: Smolowitz.1998

Figure 3.4-36. Salmon Troll



Source: K. Richards, Tetra Tech FW, Bothell, WA

Figure 3.4-37. Year-round Non-pelagic Trawl Closure Areas (shaded areas) in State Waters of the Central and Western Gulf of Alaska and Southeastern Bering Sea



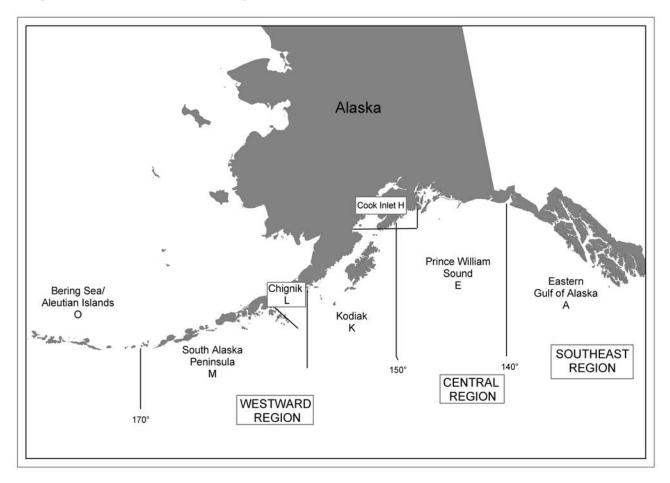
Source: NMFS 2001b

Trawl Restrictions in Prince William Sound Steller Sea Lion Haulout or Rookery Year-round No Trawl Gear** 5 AAC 39.165 **Rocky Point** No Pollock Trawl 6/1 - 11/1 Point Freemantle Bligh Island - North Tip 5 AAC 28.250 Glacier Island Bligh Island - South Tip Porcupine Point Notes:
"Pollock trawl gear is allowed west
of Johnstone Point, Knowles Head,
and Bligh Island and north of Zaikof
Point and Cape Hinchinbrook
(depicted as blue lines on the map)
during the directed pollock fishery.
5 AAC 28.263 (b) Northwestern Shrimp Trawl
Pishing District Perry Island **Knowles Head** Orca Bay Point Eleanor 60 29.96 N 147 00:12 W 60 29.96 N 147 20:12 W Johnstone Point **Point Whitshed** Non-pelagic trawl gear may not be used to fish for groundfish, except's ablefish,inside PWS. 5 AAC 28.230. Point Bentinck Hook Point Zaikof Point Cape Hinchinbrook 60 10.96 N 147 20.12 W · Seal Rocks 60° N The Needle Point Elrington Wooded I. (Fish I.) 147° W 148" W 149° W 20 Miles

Figure 3.4-38. Year-round and Seasonal Trawl Restrictions in Prince William Sound

Source: NMFS 2001b

Figure 3.4-39. State Groundfish Regions



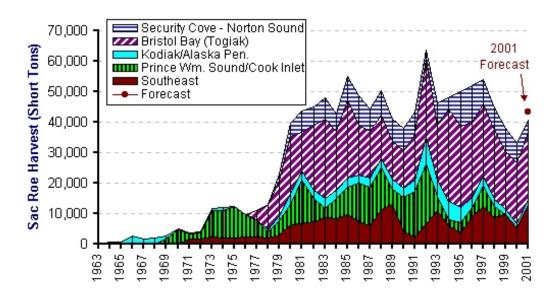
Source: ADF&G 2002c

Figure 3.4-40. Alaskan Herring Fisheries



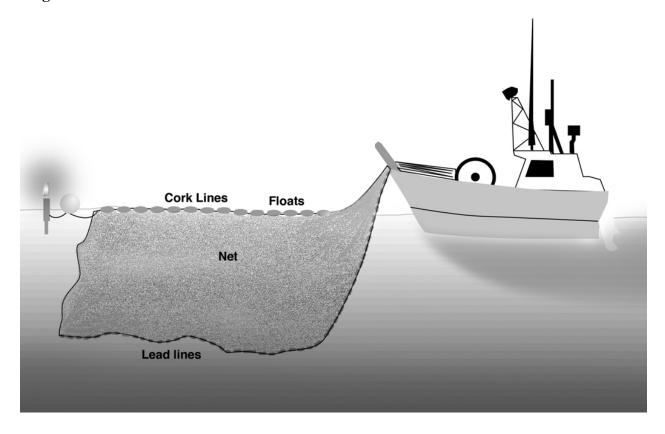
Source: ADF&G 2002a

Figure 3.4-41. Herring Sac Roe Harvests, 1963-2001



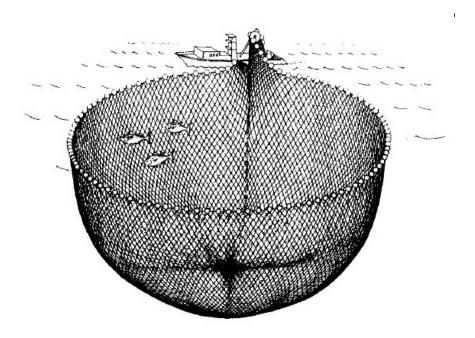
Source: ADF&G 2001

Figure 3.4-42. Drift Gillnet



Source: K. Richards, Tetra Tech FW, Bothell, WA

Figure 3.4-43. Purse Seine Gear



Source: [©]Blackwell Science (Jennings et al. 2001) Permission to use figure requested by Craig Rose (pending)