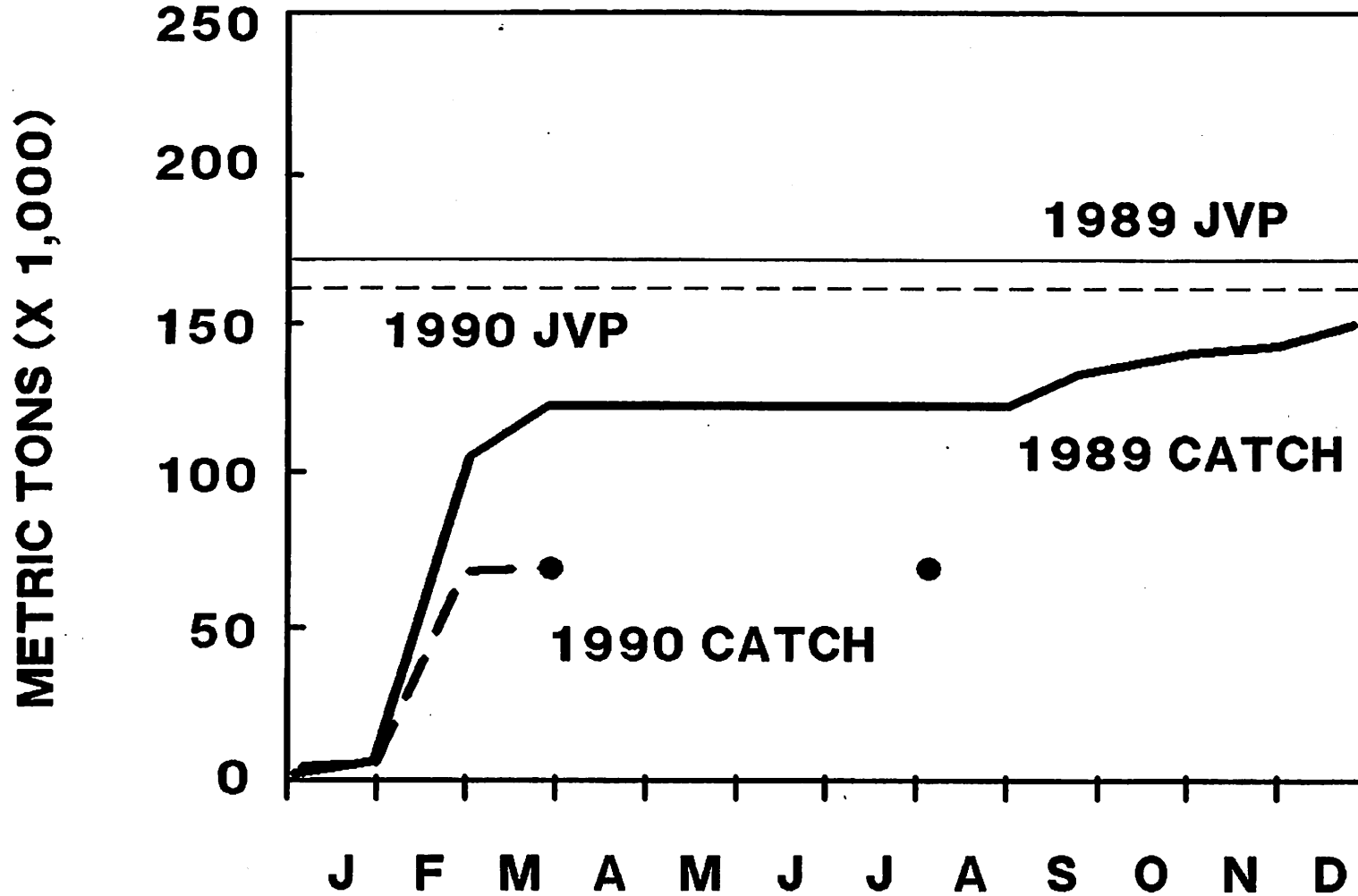


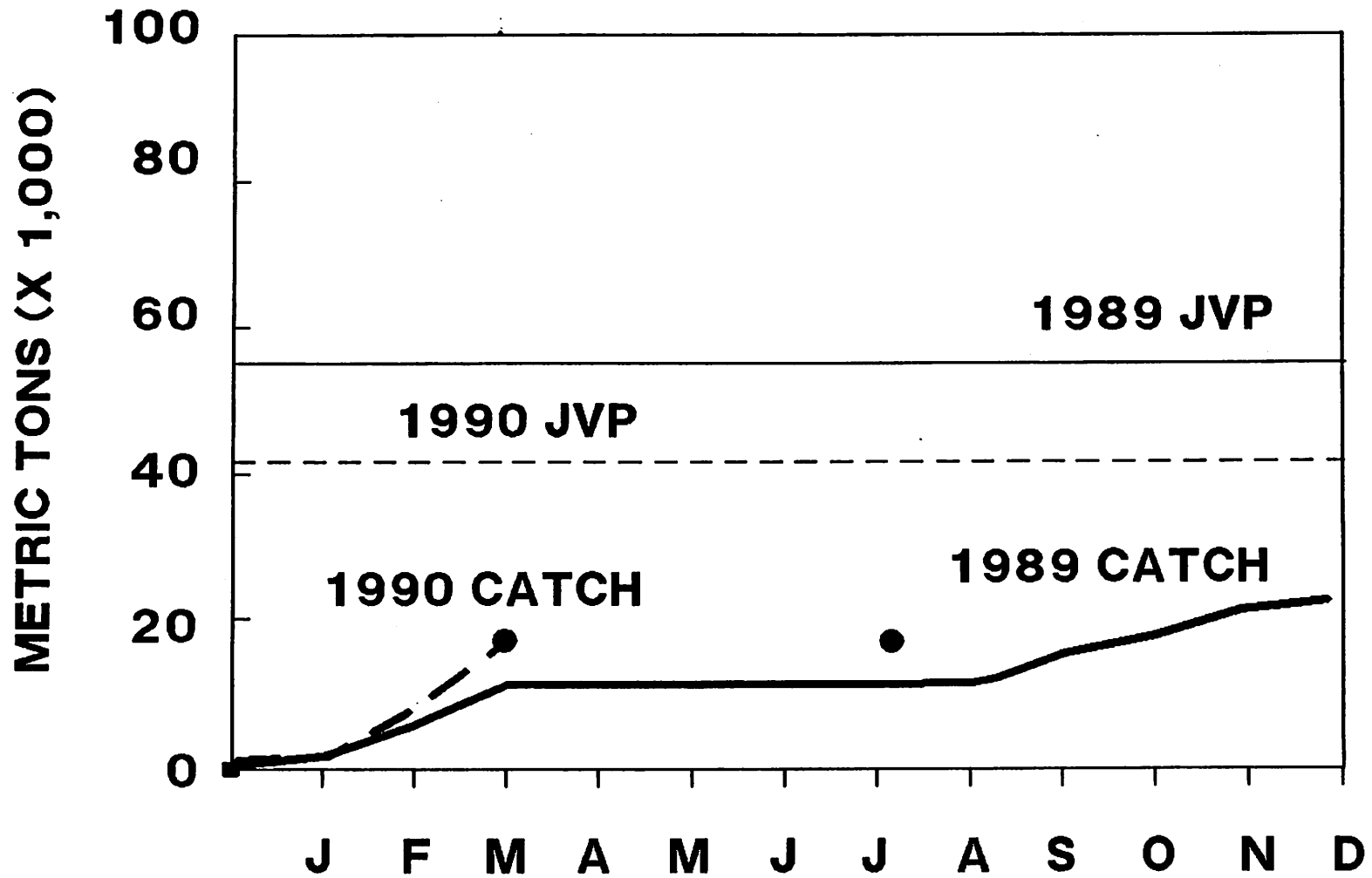
# JVP CATCH

## BSAI YELLOWFIN SOLE

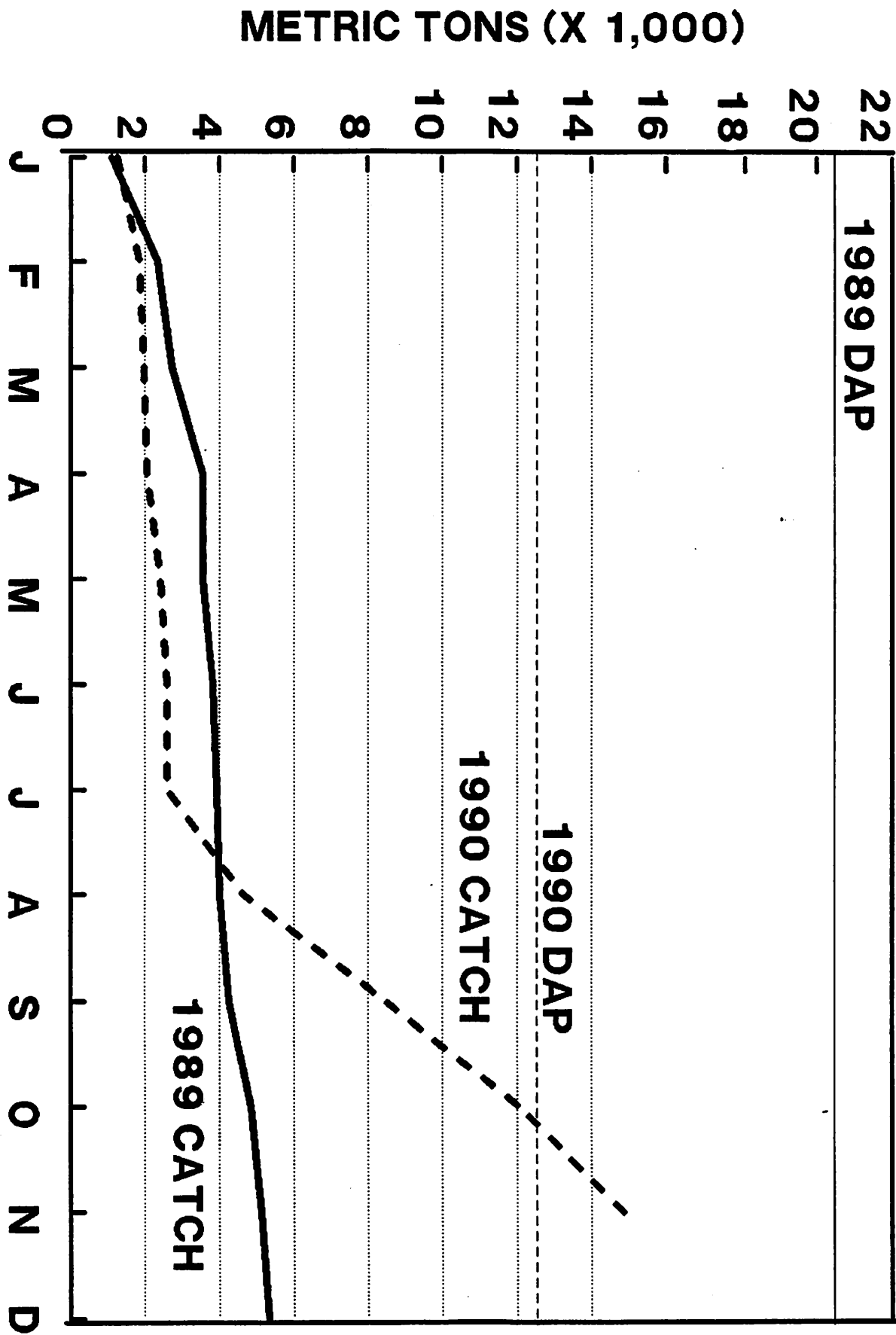


# JVP CATCH

## BSAI "OTHER FLATFISH"

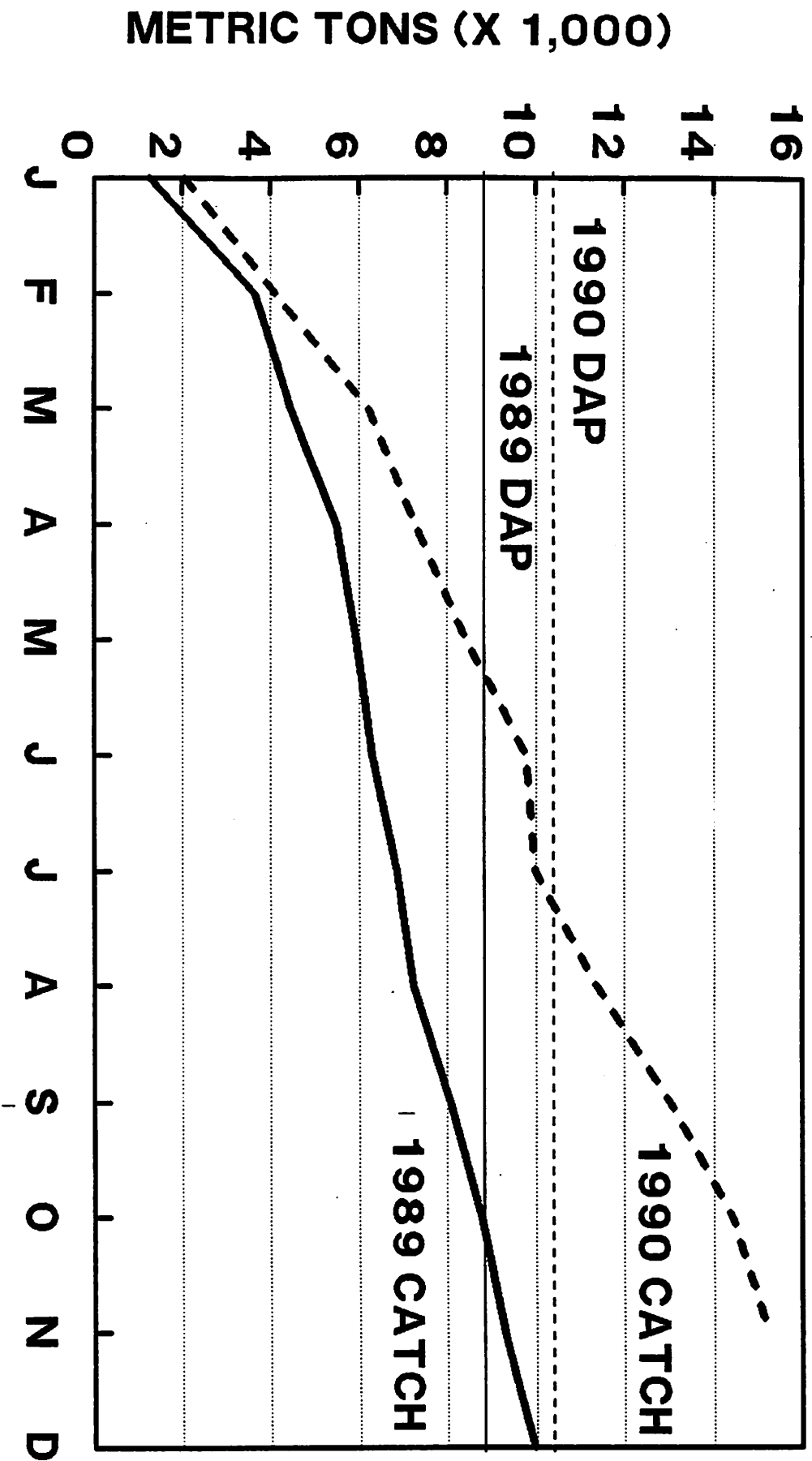


# DAP CATCH BSAI YELLOWFIN SOLE

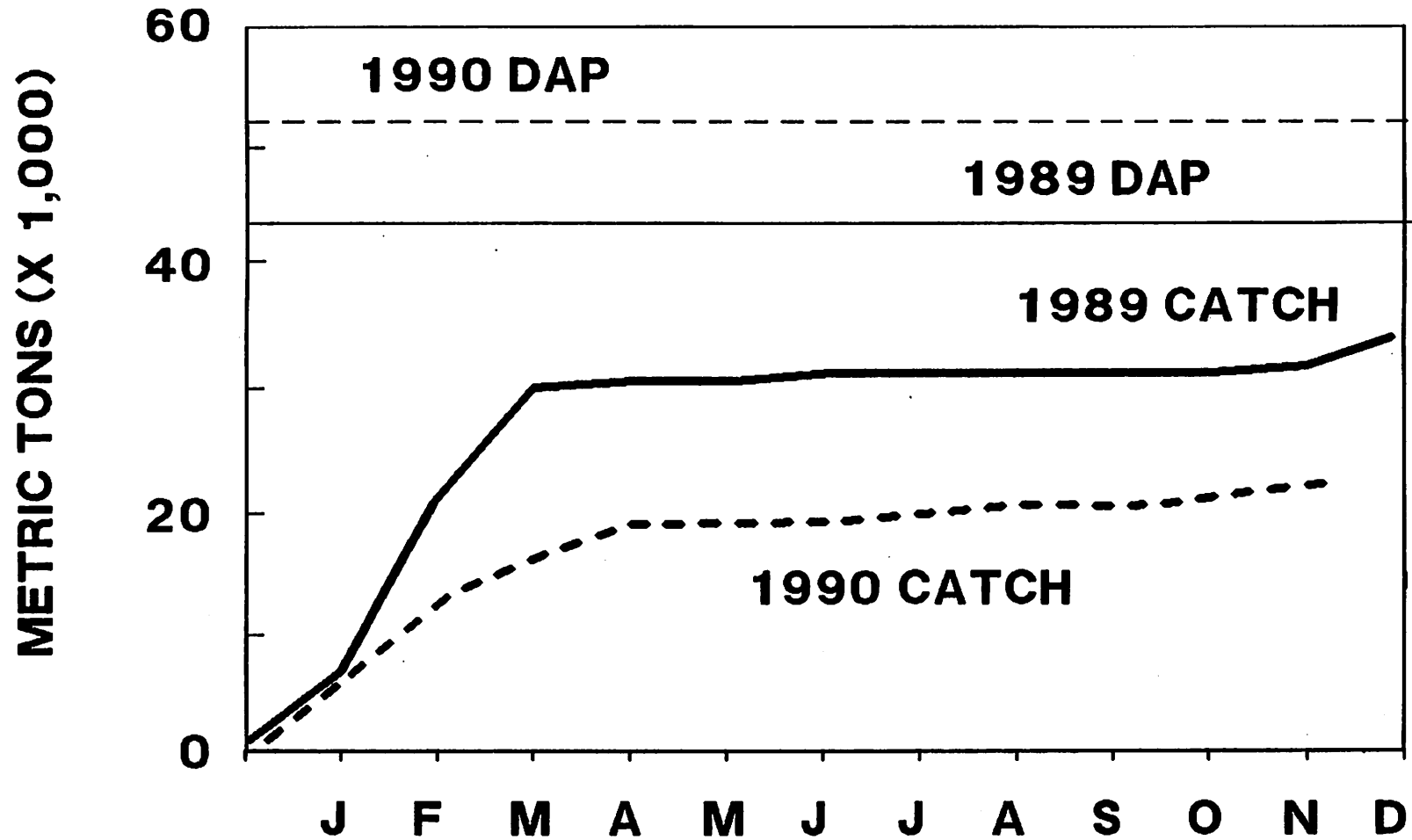


# DAP CATCH

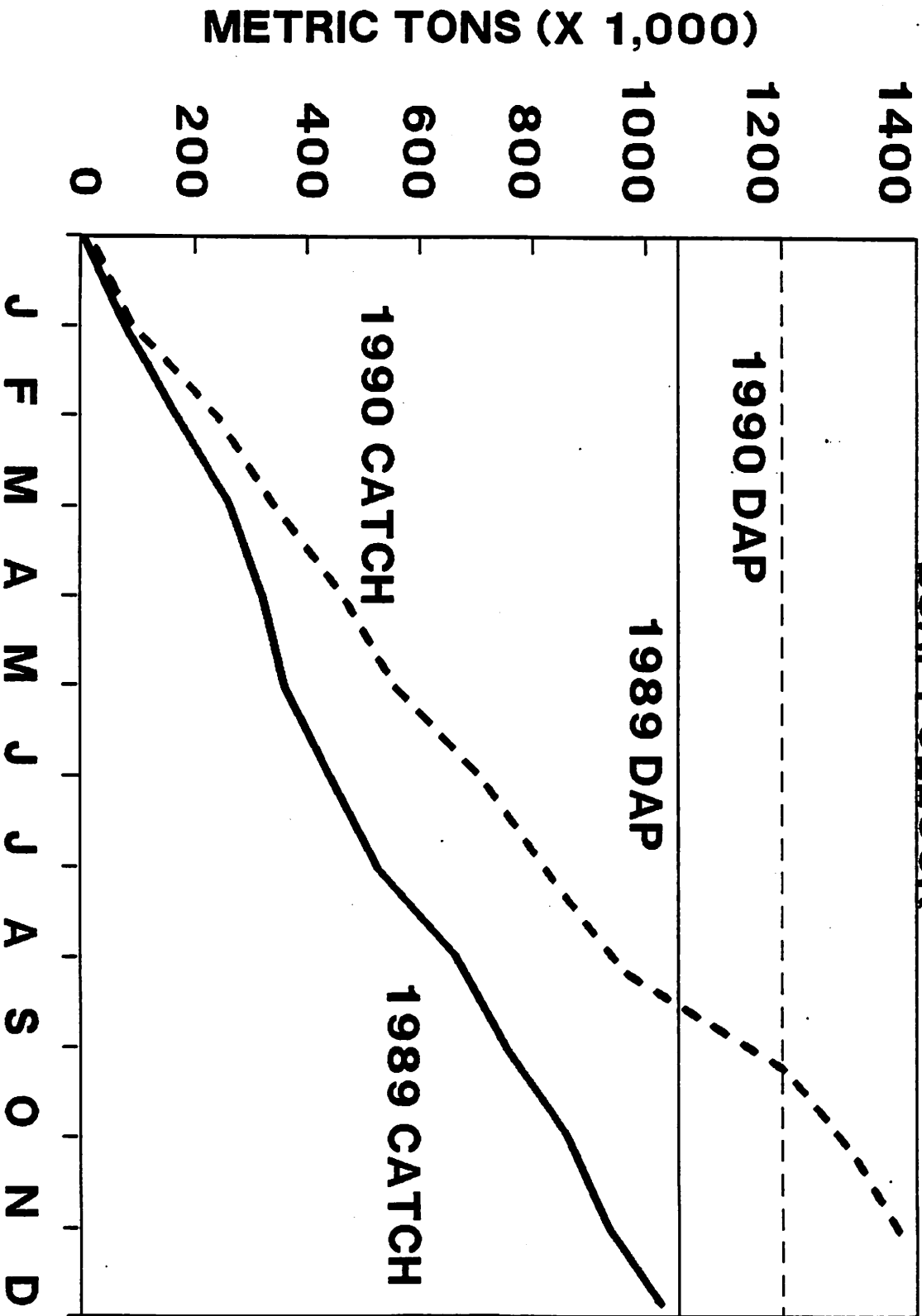
## BSAI "Other Flatfish"



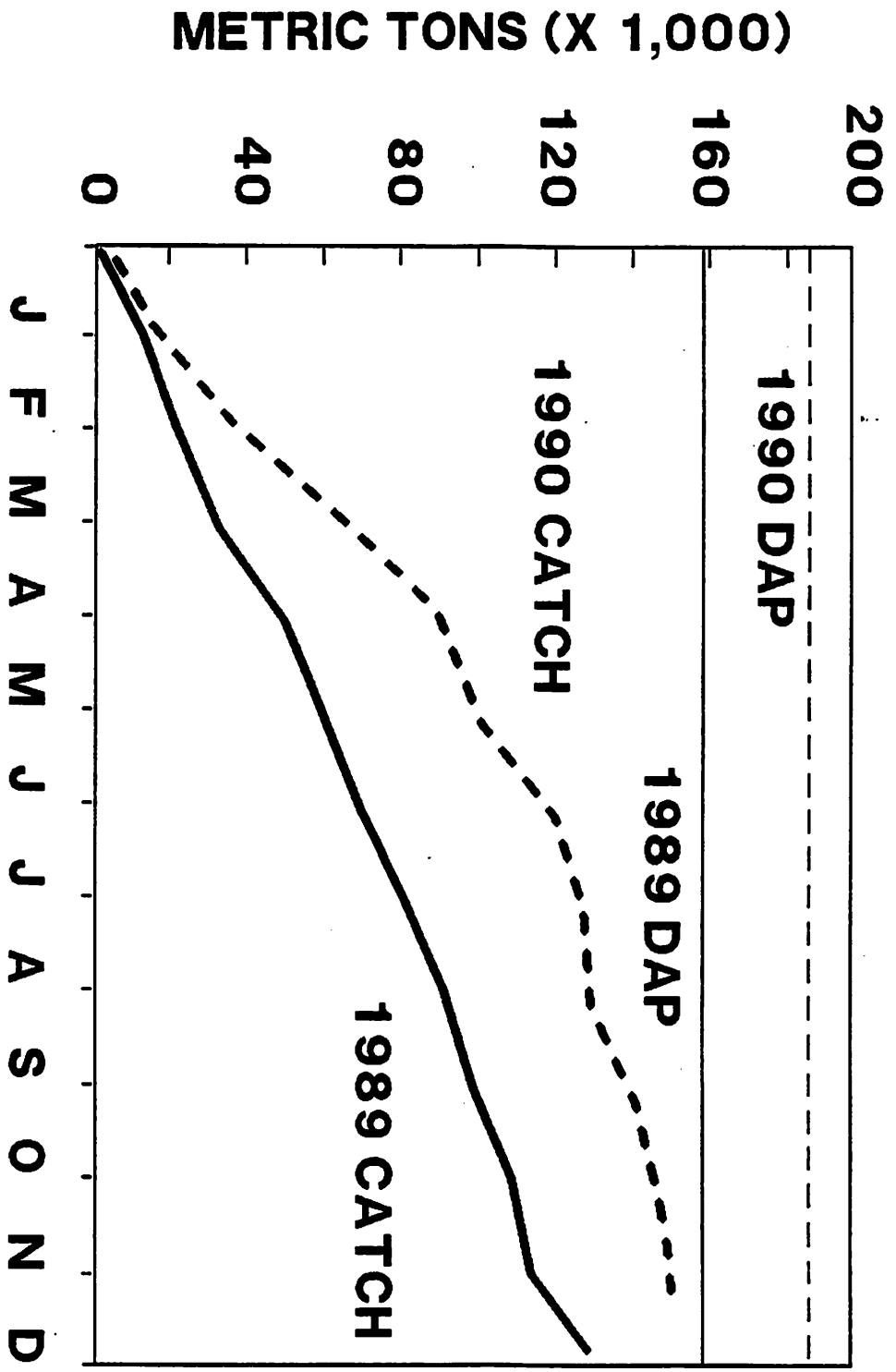
# DAP CATCH BSAI ROCK SOLE



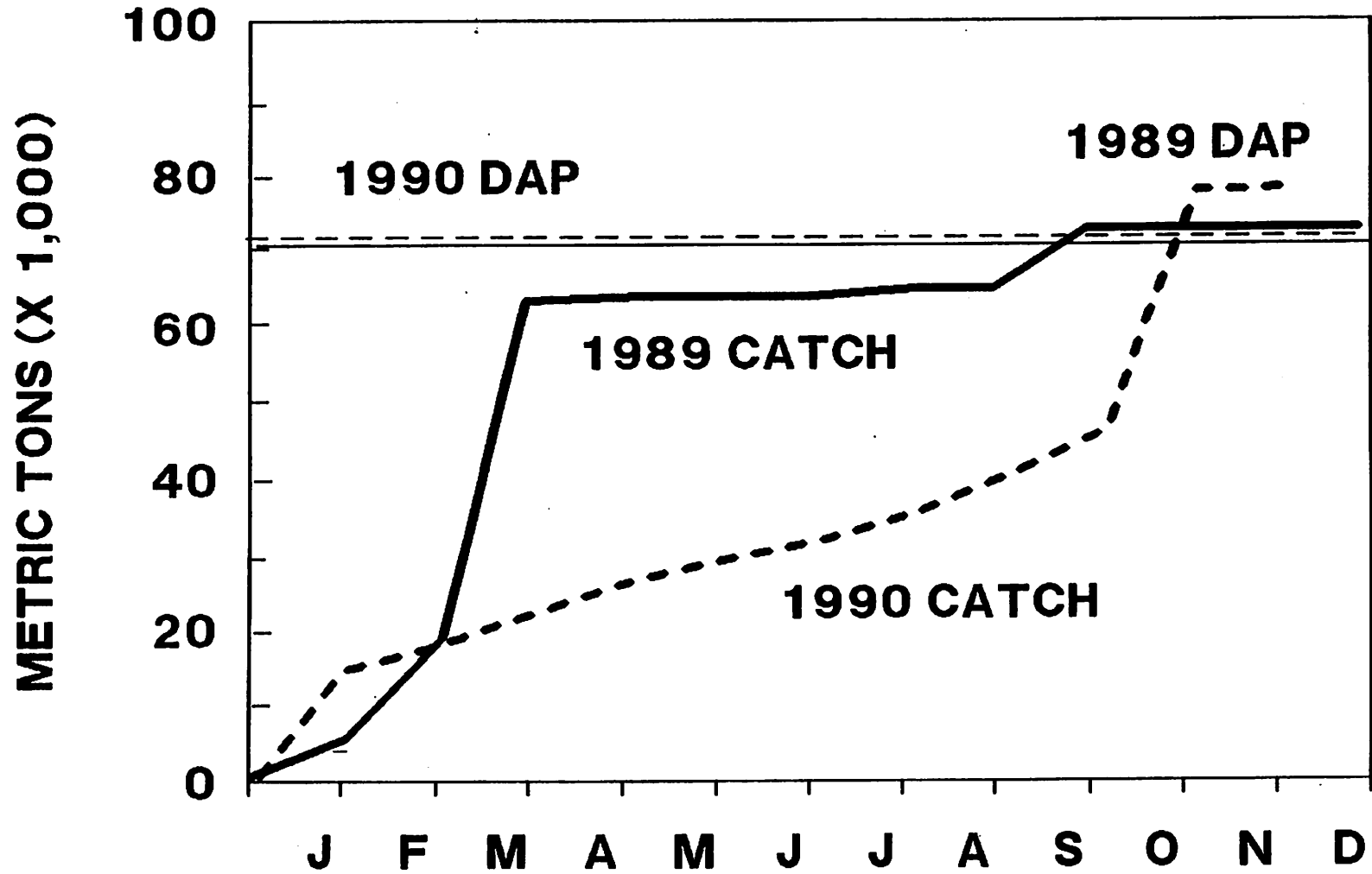
**DAP CATCH  
BSAI POLLOCK**



# DAP CATCH BSAI PACIFIC COD



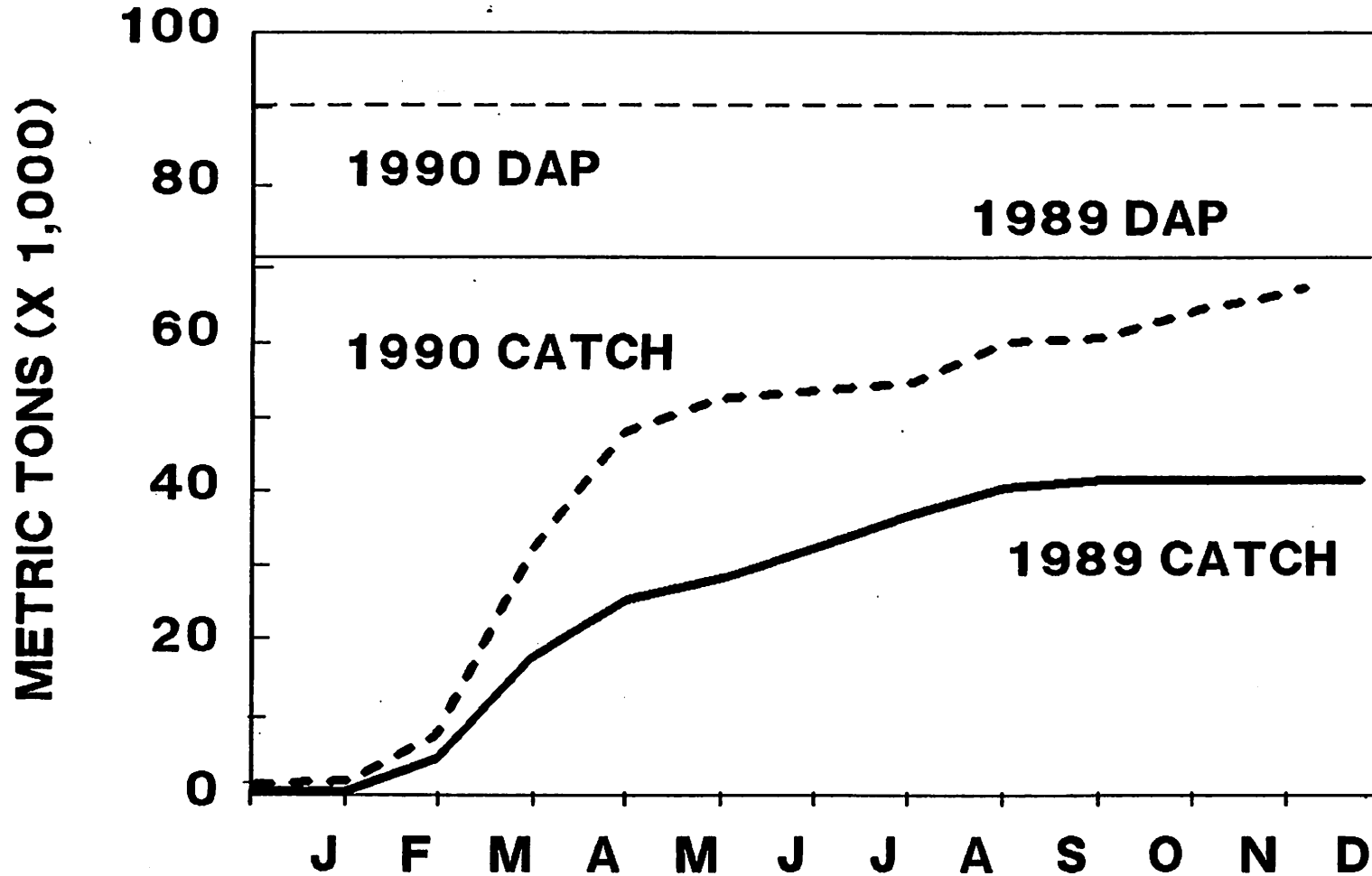
# DAP CATCH GOA POLLOCK





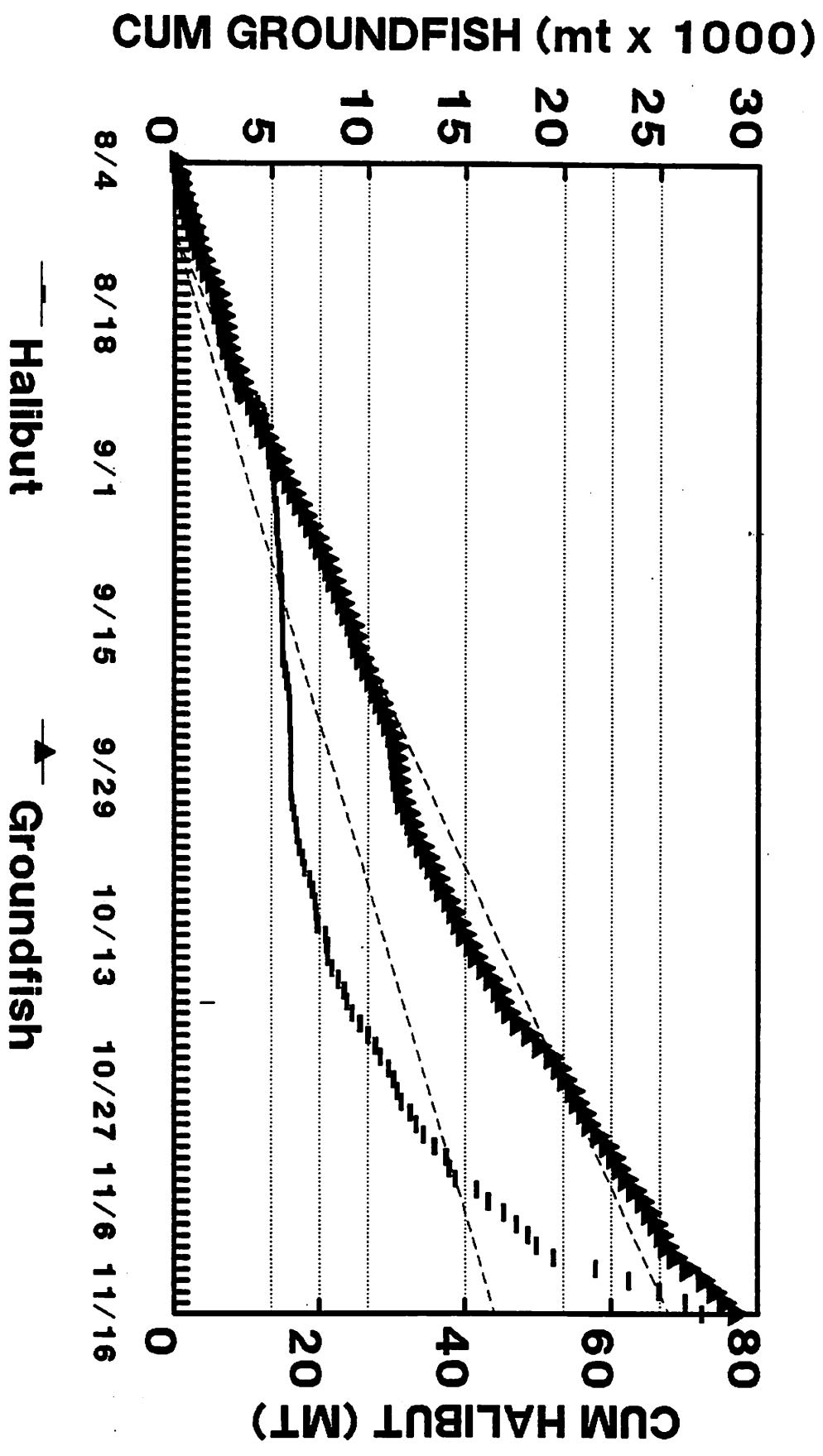
# DAP CATCH

## GOA PACIFIC COD

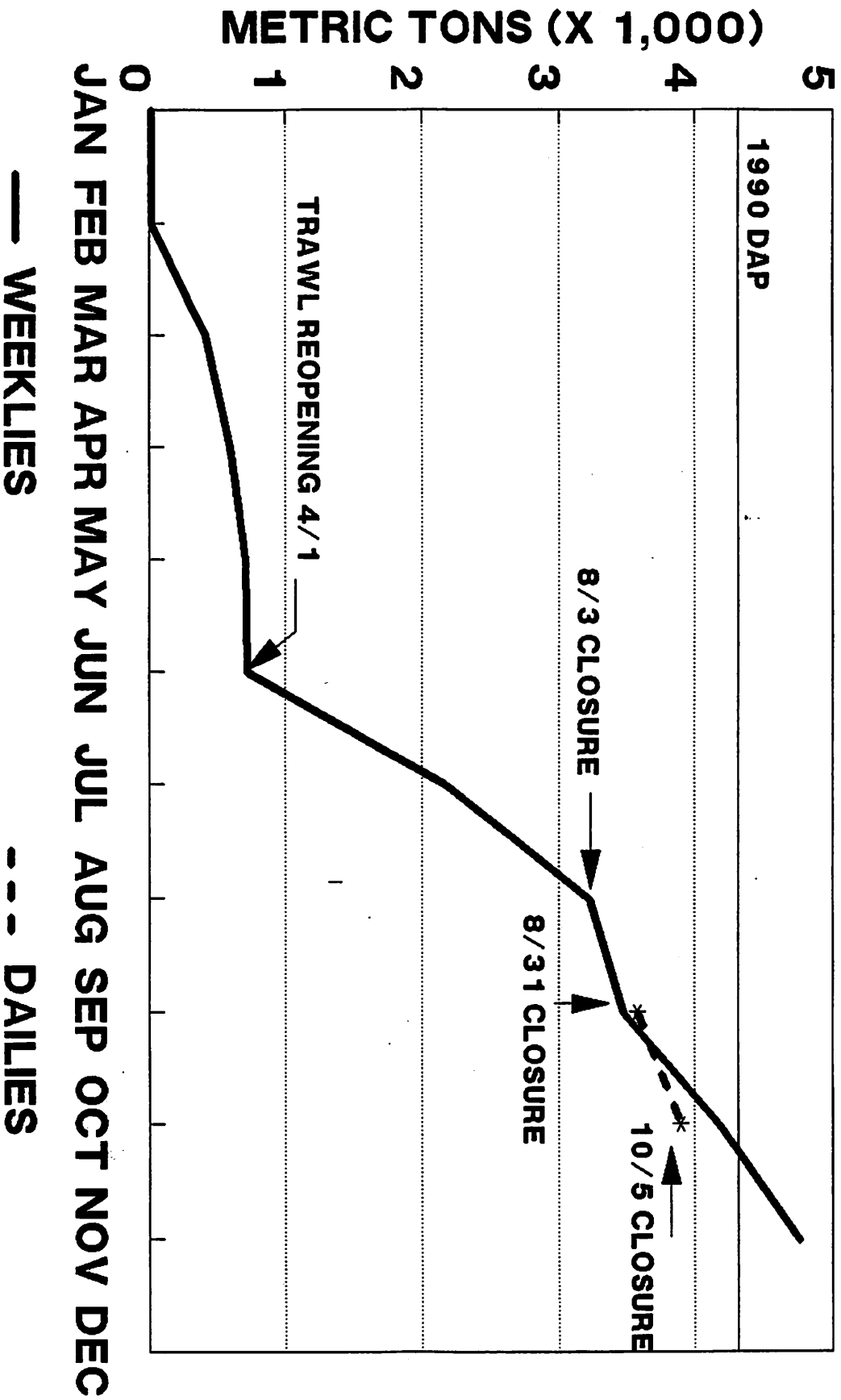


# BSAI Flatfish Fishery (Aug. 8 - Nov. 16)

Trend -- Cumulative Halibut Versus Cumulative Groundfish

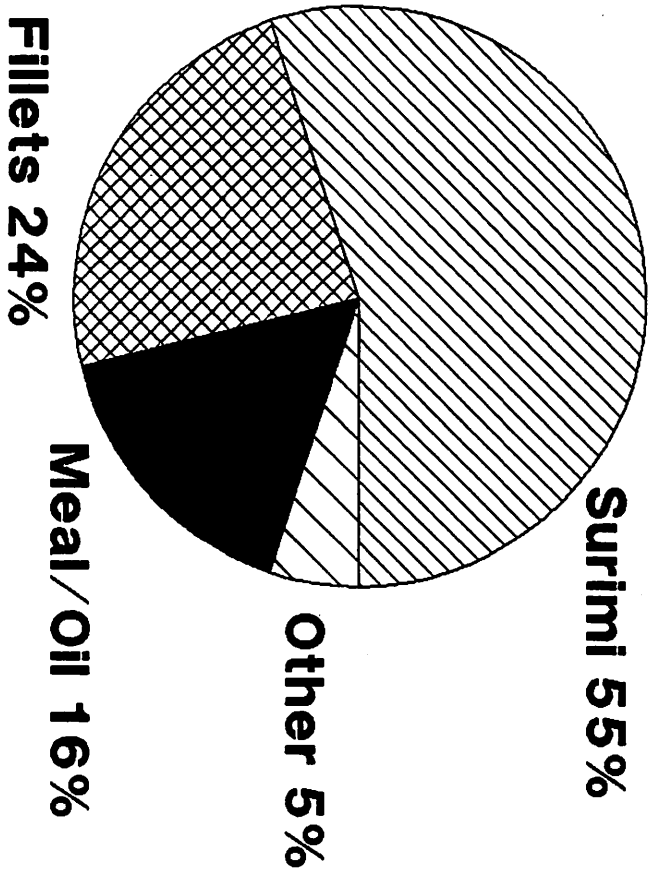


# WEST GOA "OTHER ROCKFISH"

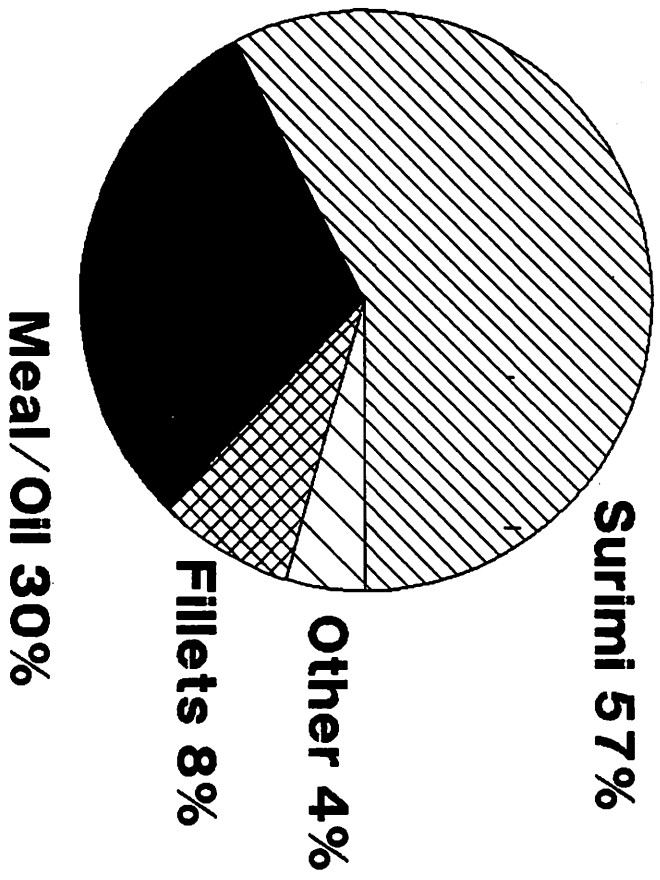


# POLLOCK PRODUCT IN THE BSAI

AT-SEA

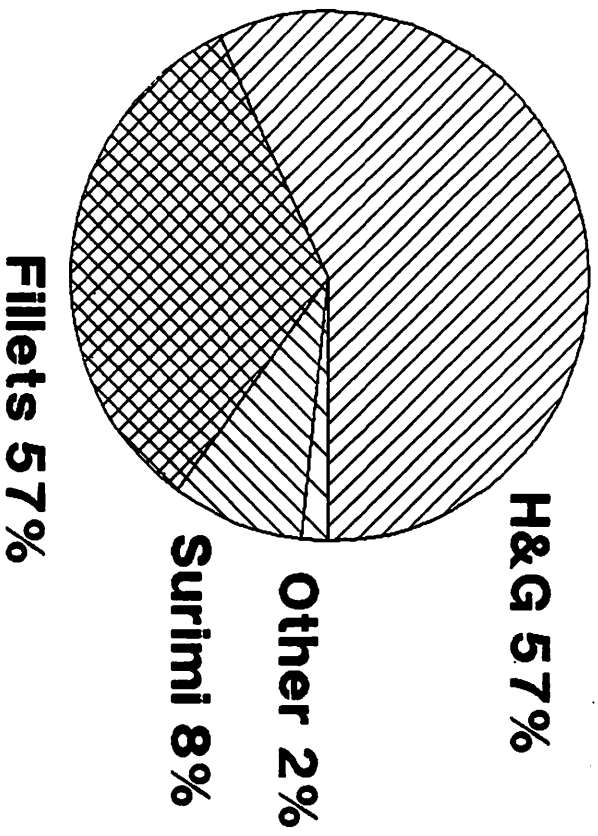


SHORESIDE

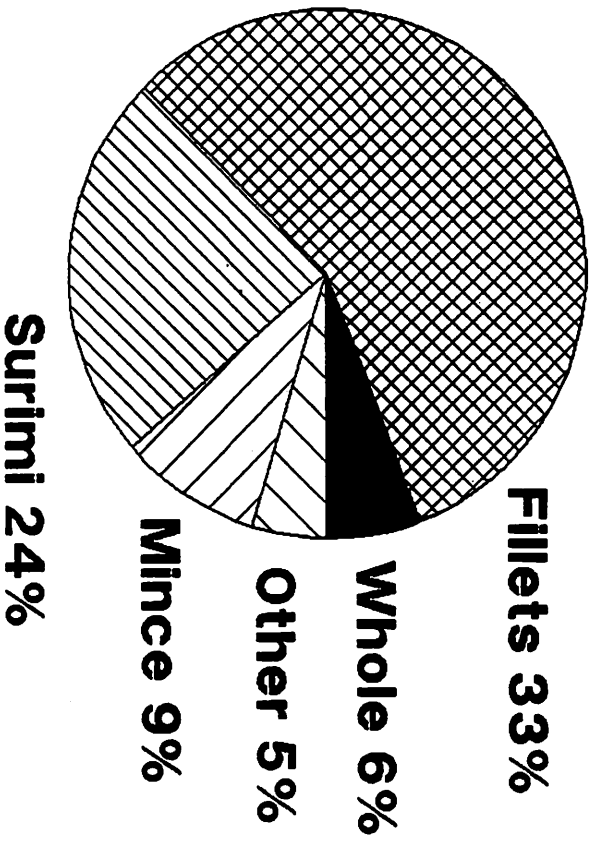


# POLLOCK PRODUCT IN THE GOA

AT-SEA

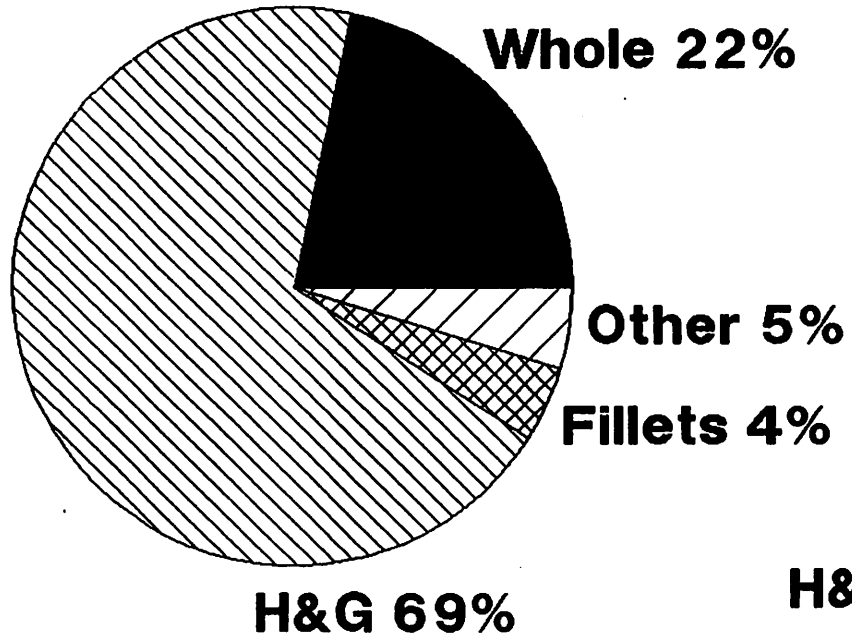


SHORESIDE

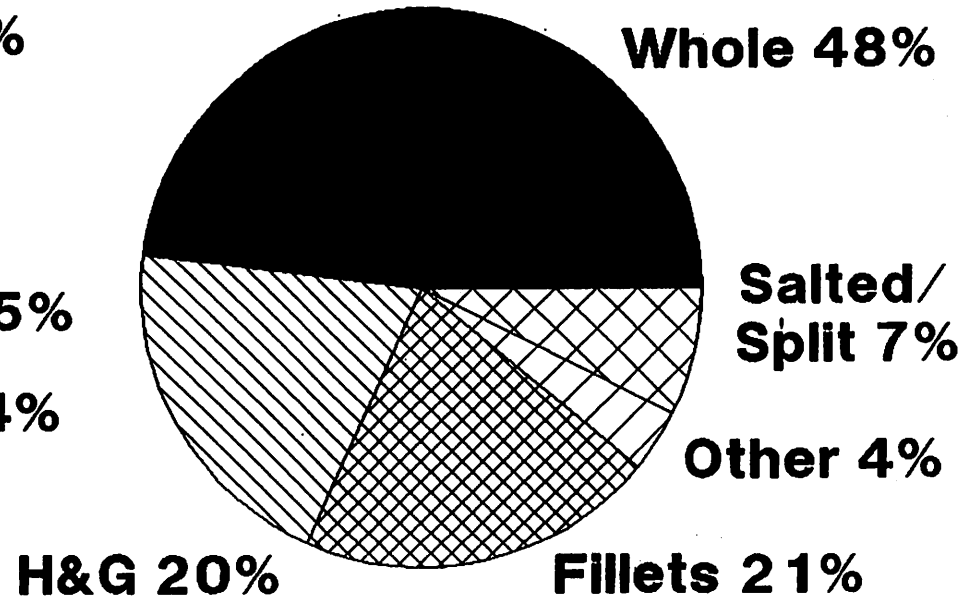


# PACIFIC COD PRODUCT IN THE GOA

AT-SEA

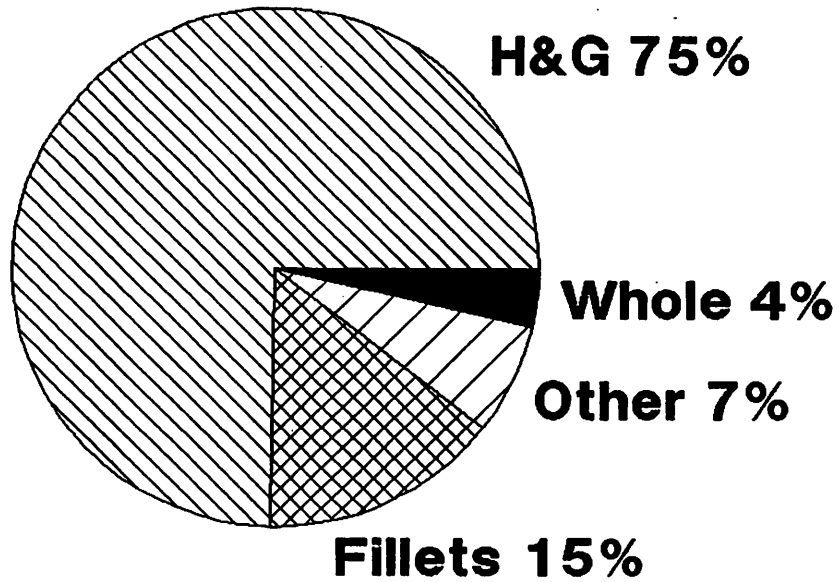


SHORESIDE

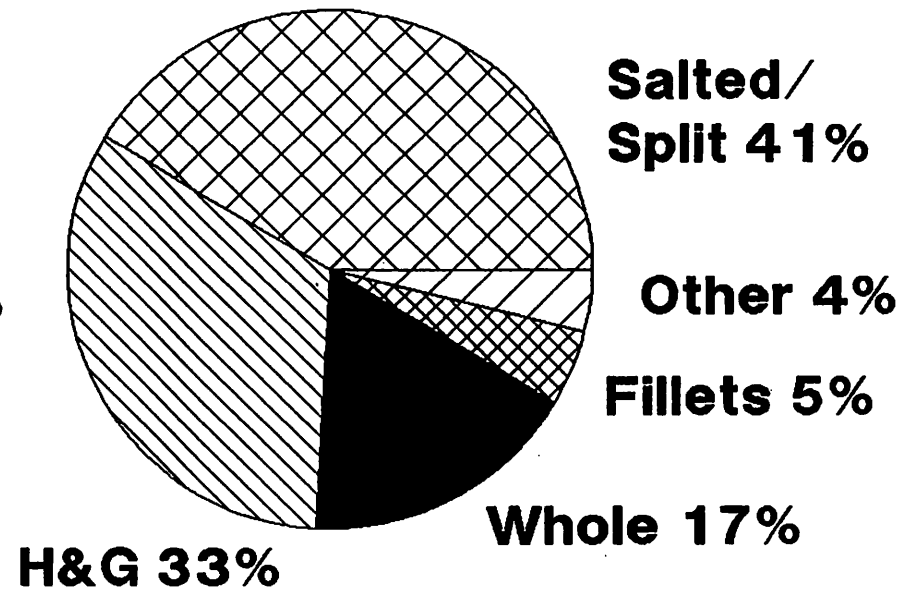


# PACIFIC COD PRODUCT IN THE BSAI

AT-SEA

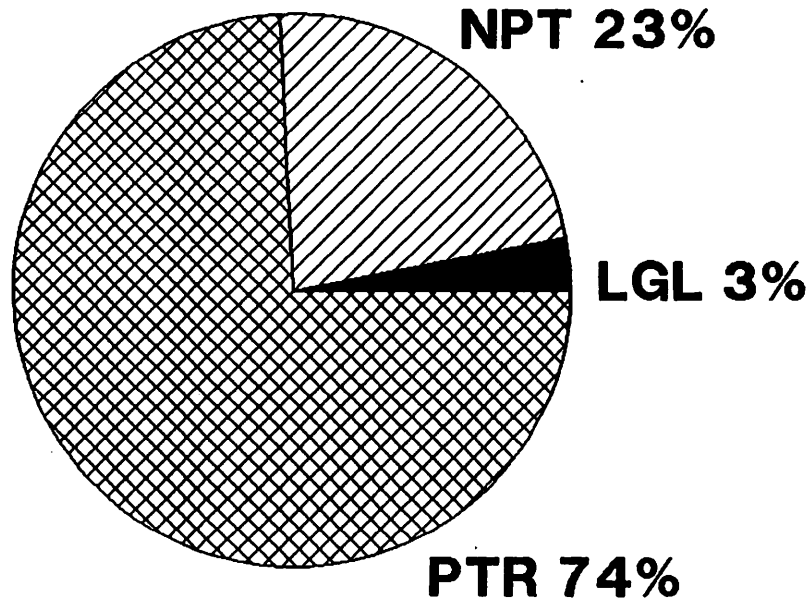


SHORESIDE

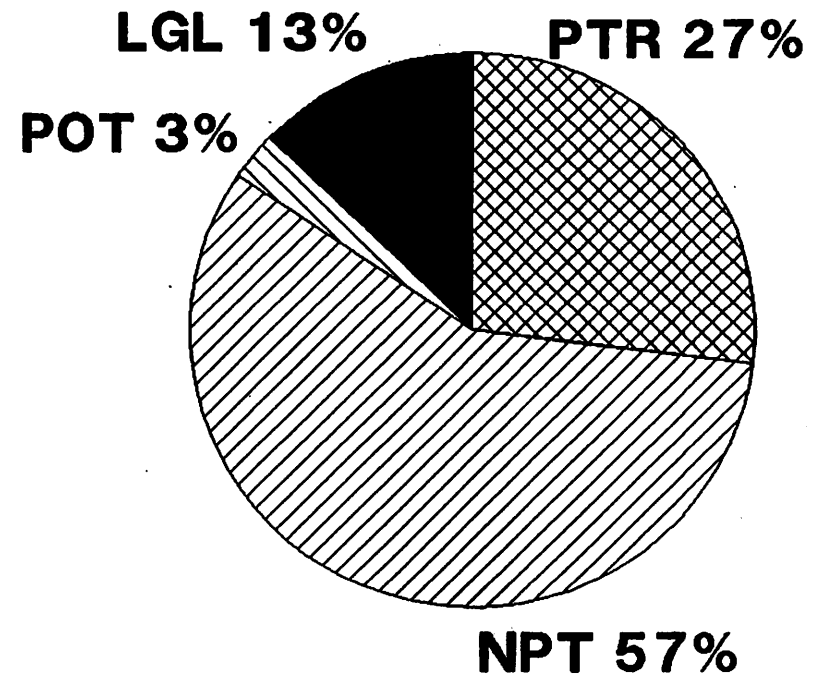


# GROUND FISH HARVEST BY GEAR TYPE

BERING SEA/ALEUTIANS

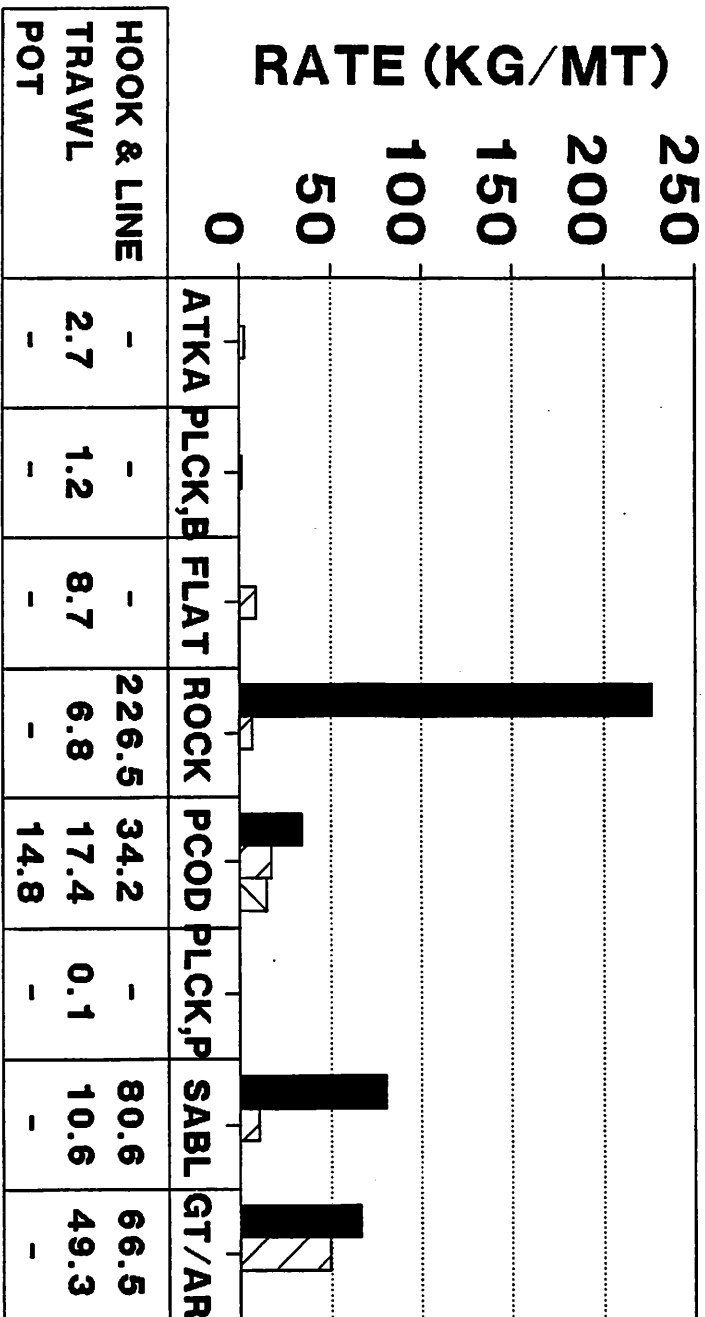


GULF OF ALASKA





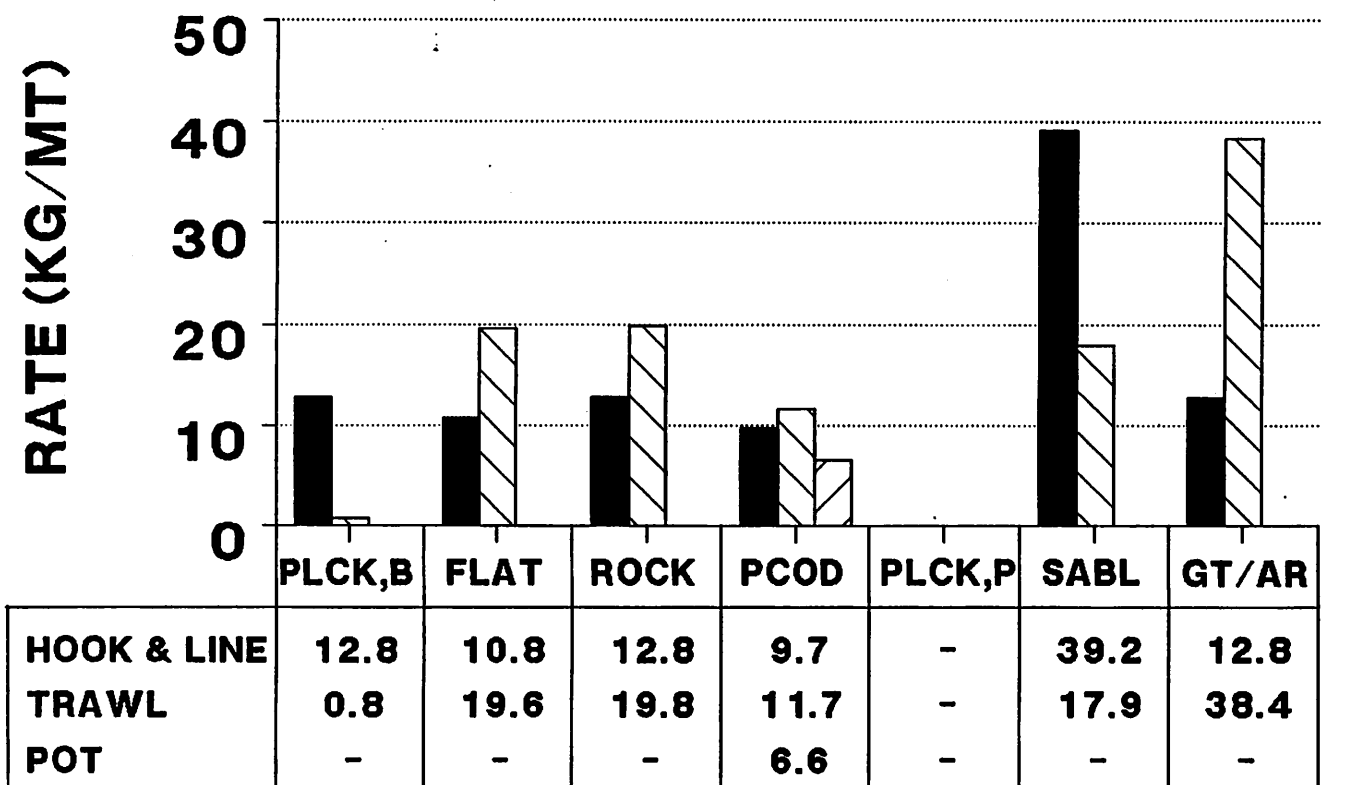
# HALIBUT BYCATCH RATES, BSAI (1990 Through 11/10/90)



HOOK & LINE
  TRAWL
  POT

NOTE: Flatfish = flatfish, yellowfin sole, rock sole

# HALIBUT MORTALITY RATES, GOA (1990 through 11/10/90)



Mortality = 13%

Mortality = 50%

Mortality = 12%

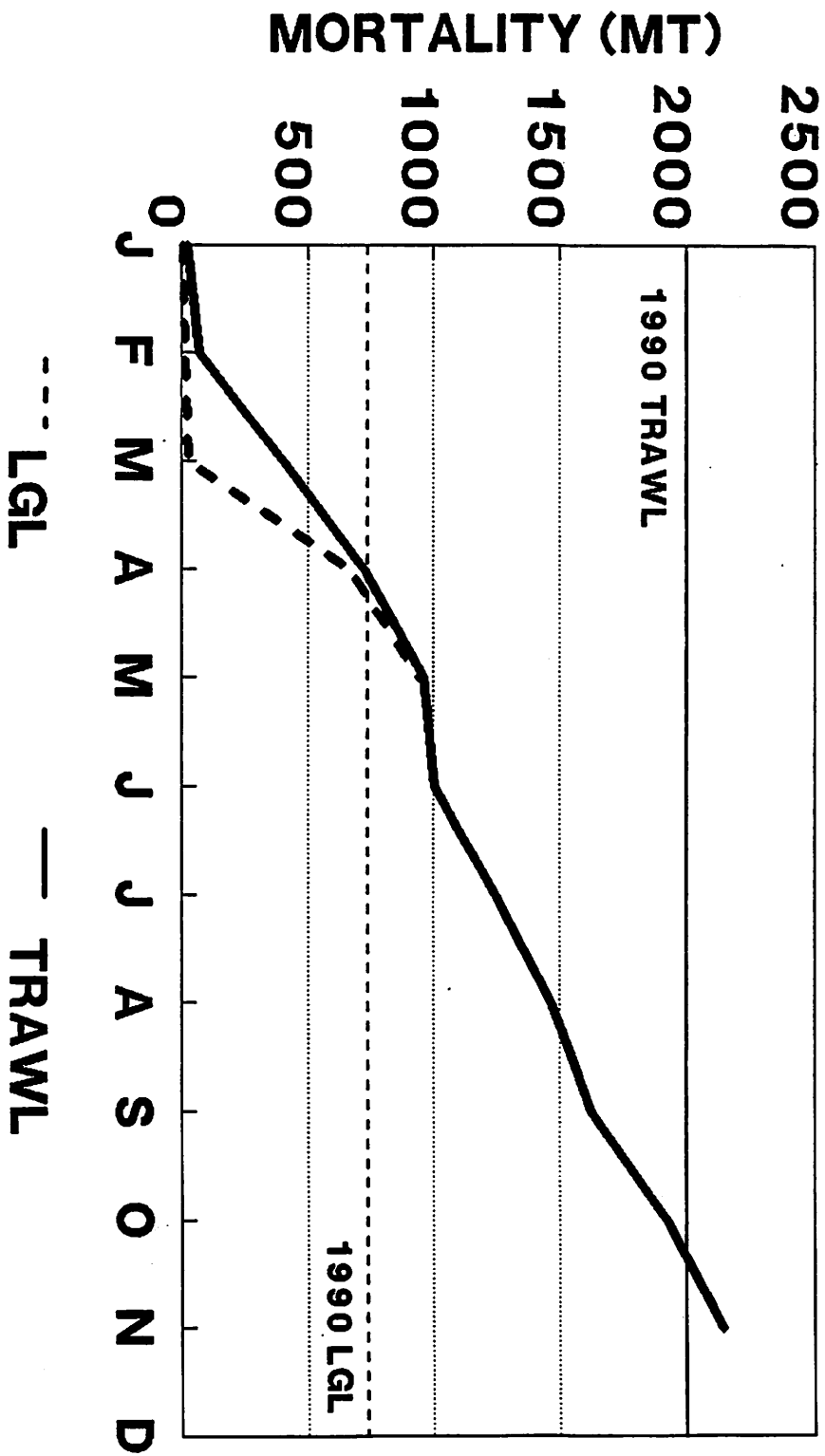
■ HOOK & LINE

▨ TRAWL

▧ POT






**NOTE: Flatfish = deepwater flatfish + shallow-water flatfish**

# HALIBUT BYCATCH MORTALITY, GOA CUMULATIVE, 1990



# BYCATCH RATES FOR TRAWL GEAR

## In the Bering Sea/Aleutians

<b>HALIBUT</b> (KG/MT)	Bottom		<b>11.96</b>
	Pelagic		<b>1.35</b>
<b>TANNER CRAB</b> (NO./MT)	Bottom		<b>4.63</b>
	Pelagic		<b>1.44</b>
<b>KING CRAB</b> (NO./MT)	Bottom		<b>0.10</b>
	Pelagic		<b>0.00</b>

**\*Following implementation of Emergency Rule, 8/14/90**

# GOA Trawl Closure Predictability

