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# Appendix 1A: Biomass and Catch Statistics from American Samoa

Table 1. Ecological and fishery statistics for American Samoa.

	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	
RAMP Biomass Estimate, 2008 and 2010 Surveys (Tutuila Only)	497,952	25,614	7,111	14,870	2,011	53,262	
RAMP Biomass Estimate, 2008 and 2010 Surveys (Tutuila, Tau, Ofu, and Olosega)	764,006	40,317	20,394	37,242	8,660	84,015	
Mean Annual Catch (Tutuila) from Expanded Creel Surveys, 2004-2008	9,468	6,273	118	1,552	744	2,372	
Percentage of Tutuila Biomass Caught	1.90%	24.49%	1.66%	10.44%	37.03%	4.45%	
Percentage of Tutuila, Tau, Ofu, and Olosega Biomass Caught	1.24%	15.56%	0.58%	4.17%	8.60%	2.82%	
Family Trophic Score, Weighted for the Relative Abundance of Component Species in Catch Record	2.05	4.18	4.14 <sup>1</sup>	3.53	2.30 <sup>2</sup>	3.60	

	Lethrinidae	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total
RAMP Biomass Estimate, 2008 and 2010 Surveys (Tutuila Only)	42,513	62,463	20,678	271,926	43,491	577,177	1,619,068
RAMP Biomass Estimate, 2008 and 2010 Surveys (Tutuila, Tau, Ofu, and Olosega)	59,427	131,942	26,543	419,123	96,335	771,923	2,459,927
Mean Annual Catch (Tutuila) from Expanded Creel Surveys, 2004-2008	6,872	13,185	602	3,007	5,289	15,770	65,253
Percentage of Tutuila Biomass Caught	16.16%	21.11%	2.91%	1.11%	12.16%	2.73%	4.03%
Percentage of Tutuila, Tau, Ofu, and Olosega Biomass Caught	11.56%	9.99%	2.27%	0.72%	5.49%	2.04%	2.65%
Family Trophic Score, Weighted for the Relative Abundance of Component Species in Catch Record	3.75	3.64	3.30 <sup>2</sup>	2.00 <sup>3</sup>	4.17	-	-

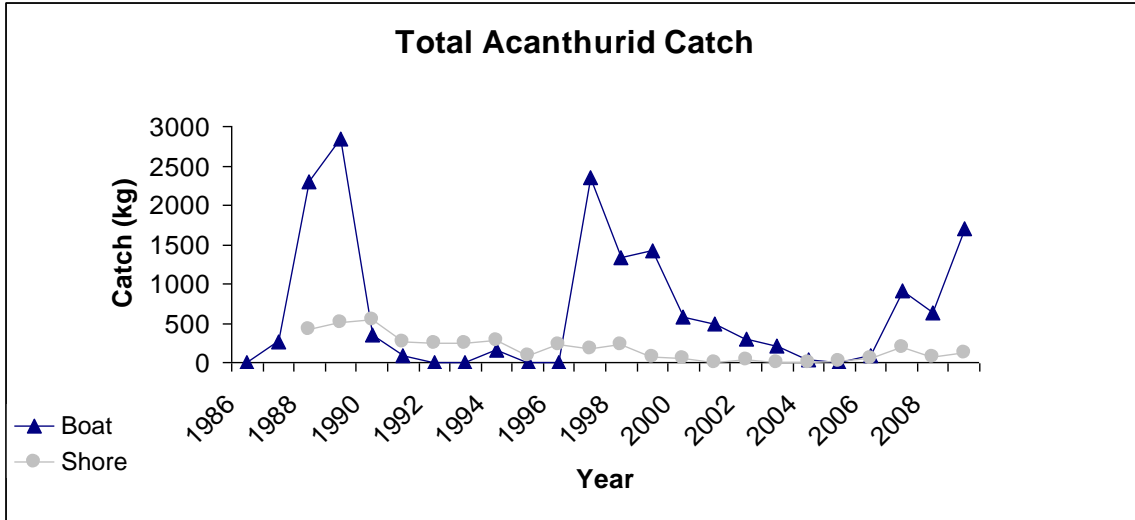
<sup>1</sup>No individual species data available so trophic score was calculated by averaging trophic score of species known to exist in American Samoa.

<sup>2</sup>Only 1 species used in calculation.

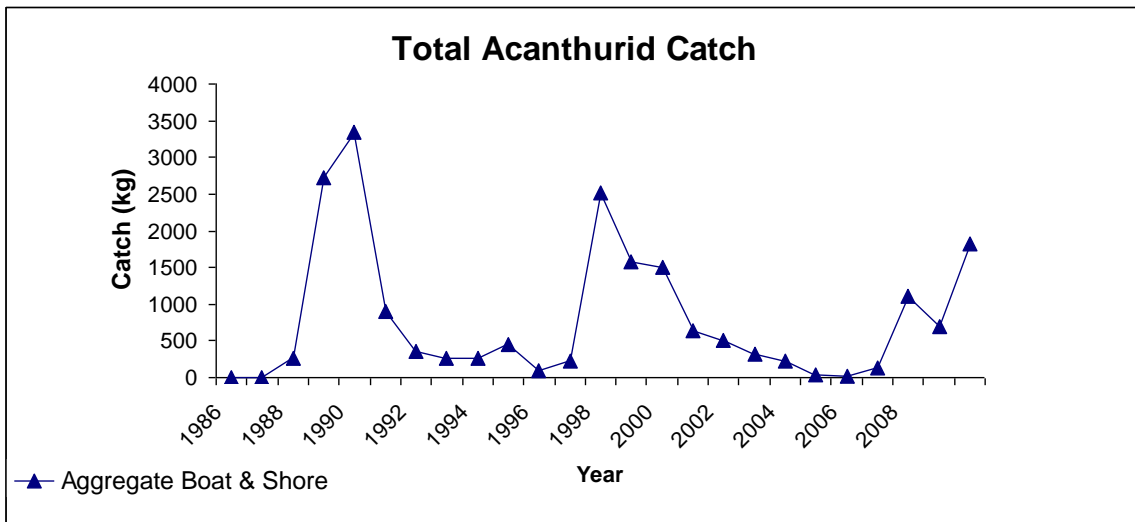
<sup>3</sup>No species data, but the value presented here is the clear mode of the family.

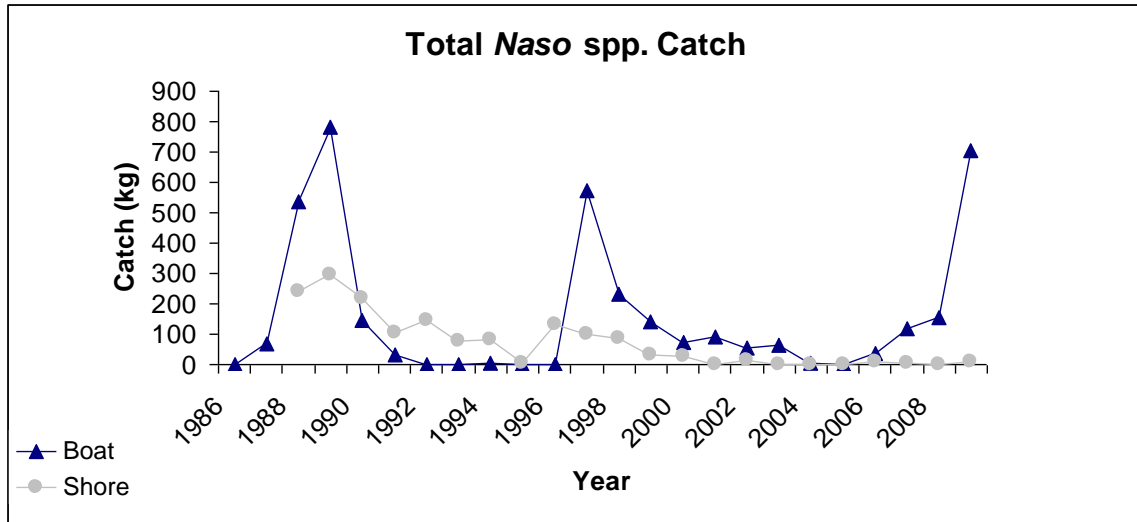
## Appendix 1B: Family and Species Catch Charts, American Samoa

# ACANTHURIDAE

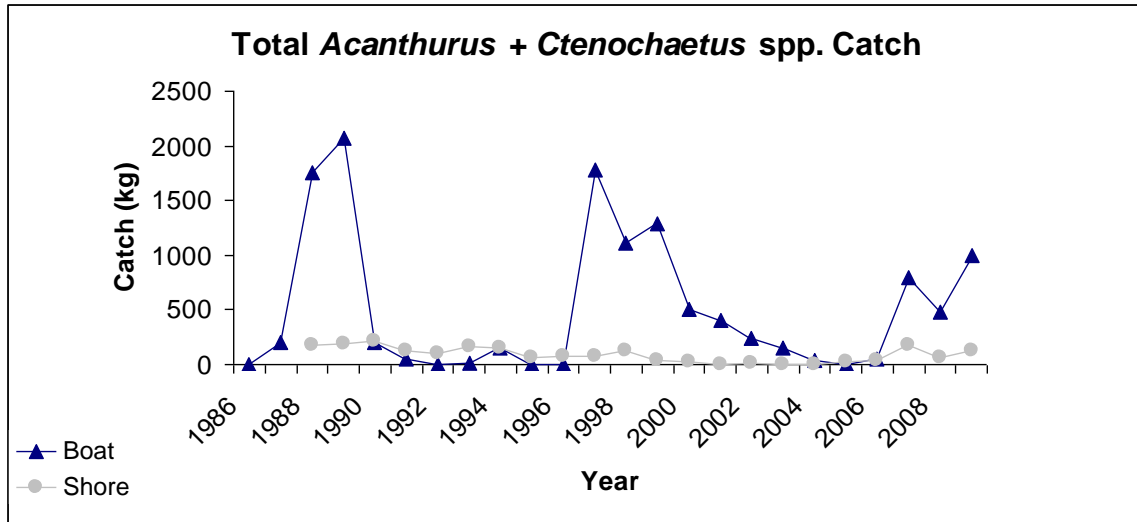


Last Five Years	Boat	Shore
Mean Catch (kg)	666.0	91.3
Standard Deviation	691.9	67.3
Confidence Value	606.5	59.0
Upper Bound CI	1,272.4	150.3
Lower Bound CI	59.5	32.3
Total Record	Boat	Shore
Mean Catch (kg)	670.9	160.9
Standard Deviation	860.3	161.6
Confidence Value	344.2	67.5
Upper Bound CI	1,015.1	228.4
Lower Bound CI	326.7	93.4



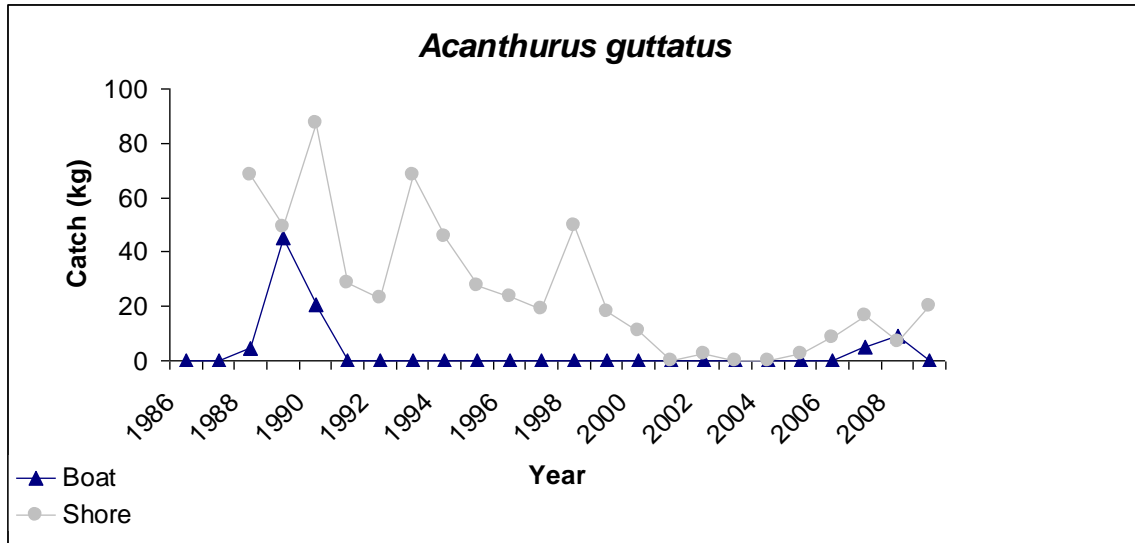


Last Five Years	Boat	Shore
Mean Catch (kg)	202.5	4.1
Standard Deviation	287.8	3.4
Confidence Value	252.3	3.0
Upper Bound CI	454.8	7.1
Lower Bound CI	-49.7	1.1
Total Record	Boat	Shore
Mean Catch (kg)	158.8	72.0
Standard Deviation	235.6	87.6
Confidence Value	94.3	36.6
Upper Bound CI	253.1	108.6
Lower Bound CI	64.5	35.4

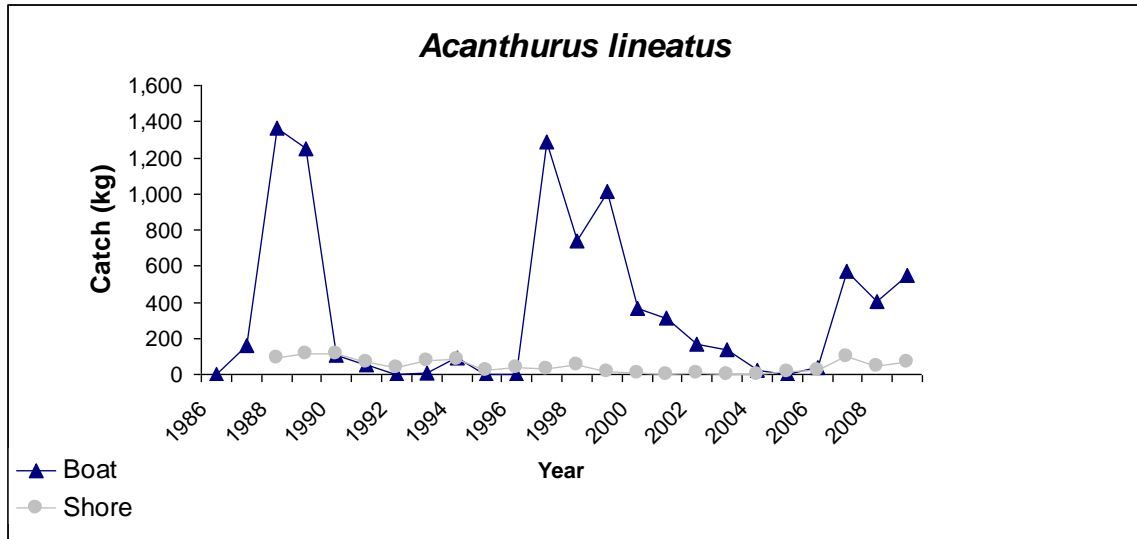


Last Five Years	Boat	Shore
Mean Catch (kg)	463.4	87.1
Standard Deviation	442.3	65.6
Confidence Value	387.7	57.5
Upper Bound CI	851.1	144.6
Lower Bound CI	75.8	29.7
Total Record	Boat	Shore
Mean Catch (kg)	511.9	89.3
Standard Deviation	646.0	69.9
Confidence Value	258.4	29.2
Upper Bound CI	770.3	118.6
Lower Bound CI	253.4	60.1

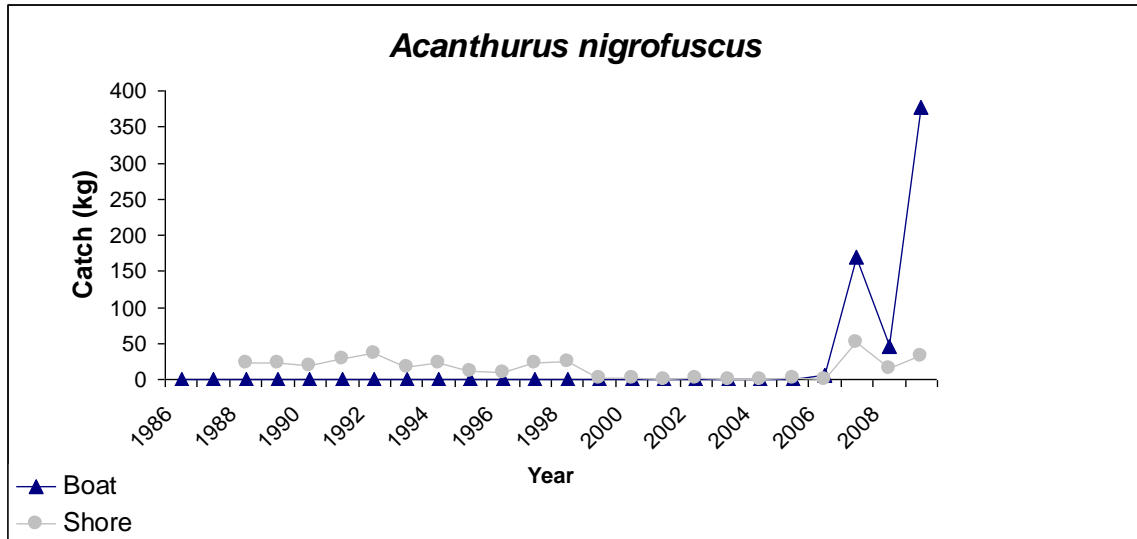




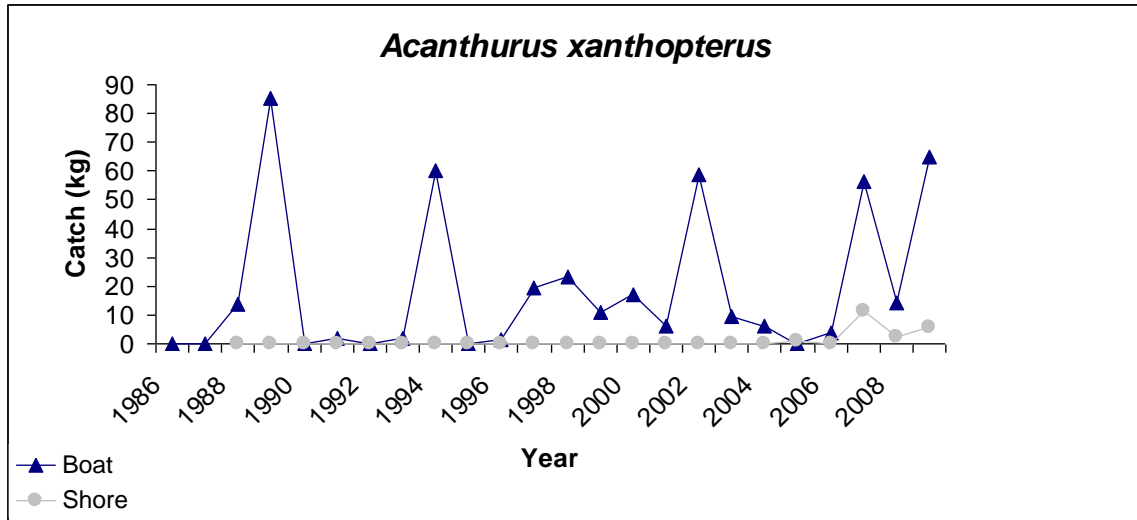
Last Five Years	Boat	Shore
Mean Catch (kg)	2.8	10.9
Standard Deviation	4.1	7.2
Confidence Value	3.6	6.3
Upper Bound CI	6.4	17.2
Lower Bound CI	-0.7	4.5
Total Record	Boat	Shore
Mean Catch (kg)	3.5	26.3
Standard Deviation	9.9	25.0
Confidence Value	4.0	10.4
Upper Bound CI	7.5	36.7
Lower Bound CI	-0.5	15.8



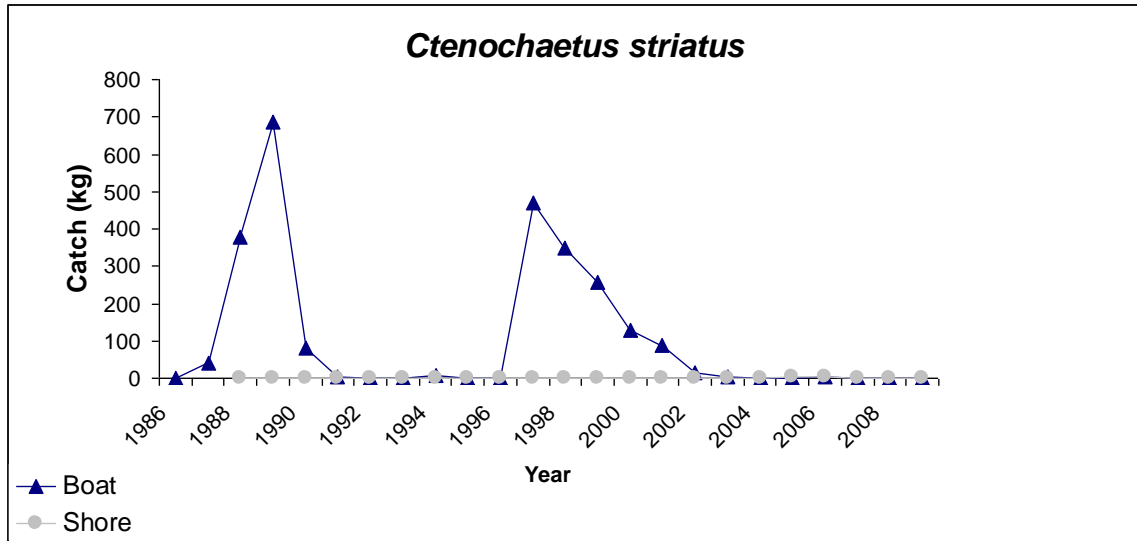
Last Five Years		Boat	Shore
Mean Catch (kg)		312.3	49.8
Standard Deviation		276.7	35.8
Confidence Value		242.5	31.4
Upper Bound CI		554.8	81.2
Lower Bound CI		69.7	18.5
Total Record		Boat	Shore
Mean Catch (kg)		360.1	46.1
Standard Deviation		450.7	37.8
Confidence Value		180.3	15.8
Upper Bound CI		540.4	61.9
Lower Bound CI		179.7	30.3



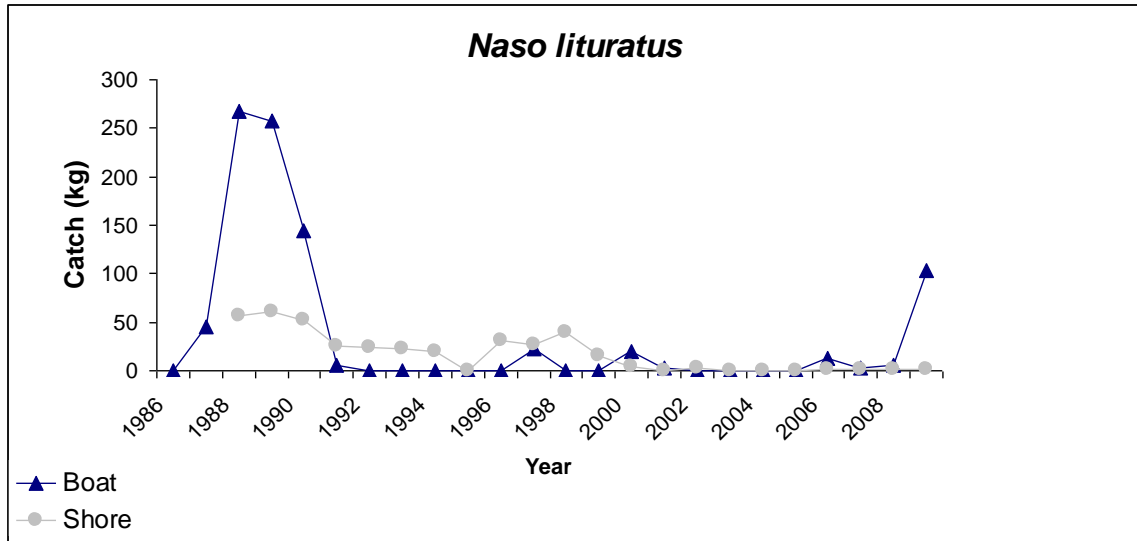
Last Five Years	Boat	Shore
Mean Catch (kg)	119.9	20.4
Standard Deviation	159.3	21.6
Confidence Value	139.6	18.9
Upper Bound CI	259.6	39.3
Lower Bound CI	-19.7	1.4
Total Record	Boat	Shore
Mean Catch (kg)	25.0	15.6
Standard Deviation	83.0	14.2
Confidence Value	33.2	5.9
Upper Bound CI	58.2	21.5
Lower Bound CI	-8.2	9.6



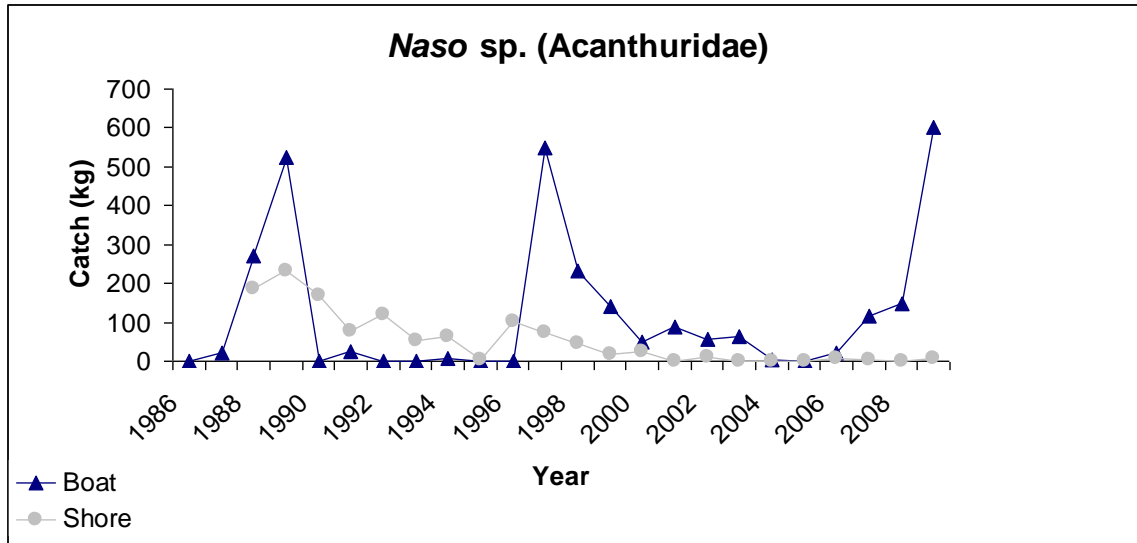
Last Five Years	Boat	Shore
Mean Catch (kg)	28.0	4.0
Standard Deviation	30.6	4.6
Confidence Value	26.8	4.1
Upper Bound CI	54.8	8.1
Lower Bound CI	1.2	0.0
Total Record	Boat	Shore
Mean Catch (kg)	19.0	0.9
Standard Deviation	25.6	2.7
Confidence Value	10.2	1.1
Upper Bound CI	29.2	2.0
Lower Bound CI	8.7	-0.2



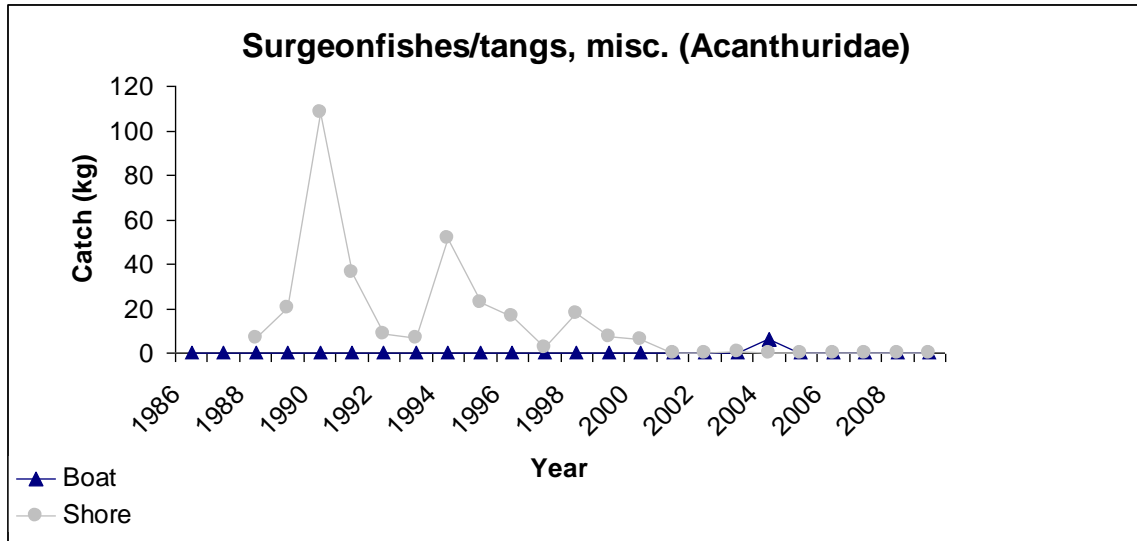
Last Five Years	Boat	Shore
Mean Catch (kg)	0.5	2.1
Standard Deviation	1.0	2.9
Confidence Value	0.9	2.5
Upper Bound CI	1.3	4.6
Lower Bound CI	-0.4	-0.4
Total Record	Boat	Shore
Mean Catch (kg)	104.3	0.5
Standard Deviation	185.5	1.5
Confidence Value	74.2	0.6
Upper Bound CI	178.5	1.1
Lower Bound CI	30.1	-0.2



Last Five Years	Boat	Shore
Mean Catch (kg)	25.1	0.9
Standard Deviation	43.8	0.6
Confidence Value	38.4	0.5
Upper Bound CI	63.5	1.4
Lower Bound CI	-13.2	0.4
Total Record	Boat	Shore
Mean Catch (kg)	37.2	17.6
Standard Deviation	77.8	20.1
Confidence Value	31.1	8.4
Upper Bound CI	68.3	26.0
Lower Bound CI	6.0	9.2



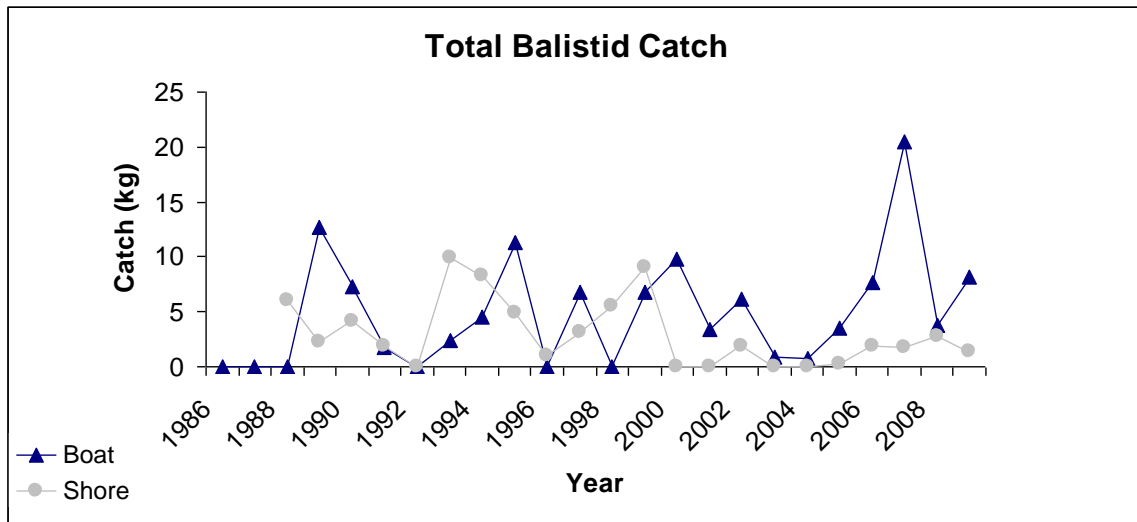
Last Five Years	Boat	Shore
Mean Catch (kg)	177.4	3.2
Standard Deviation	245.5	3.0
Confidence Value	215.2	2.6
Upper Bound CI	392.5	5.8
Lower Bound CI	-37.8	0.6
Total Record	Boat	Shore
Mean Catch (kg)	121.6	54.4
Standard Deviation	184.6	68.4
Confidence Value	73.8	28.6
Upper Bound CI	195.5	83.0
Lower Bound CI	47.8	25.9



Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-
Total Record	Boat	Shore
Mean Catch (kg)	0.2	14.2
Standard Deviation	1.2	24.9
Confidence Value	0.5	10.4
Upper Bound CI	0.7	24.6
Lower Bound CI	-0.2	3.8

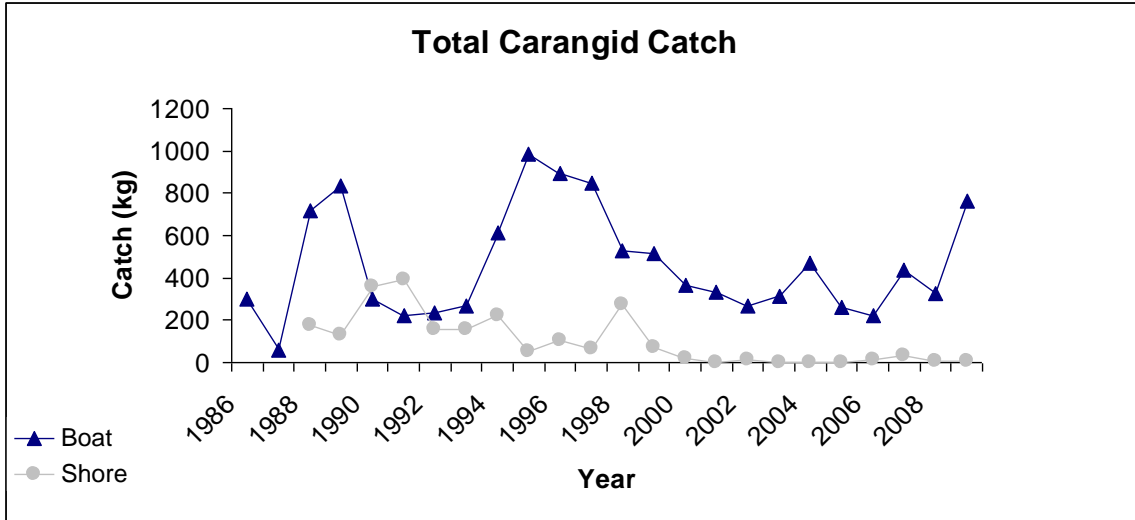


# BALISTIDAE

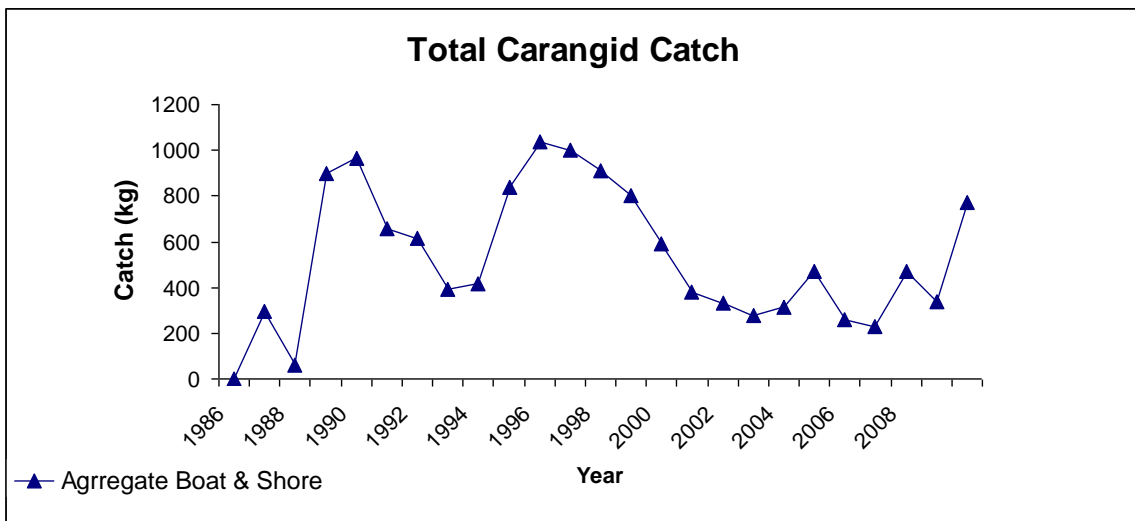


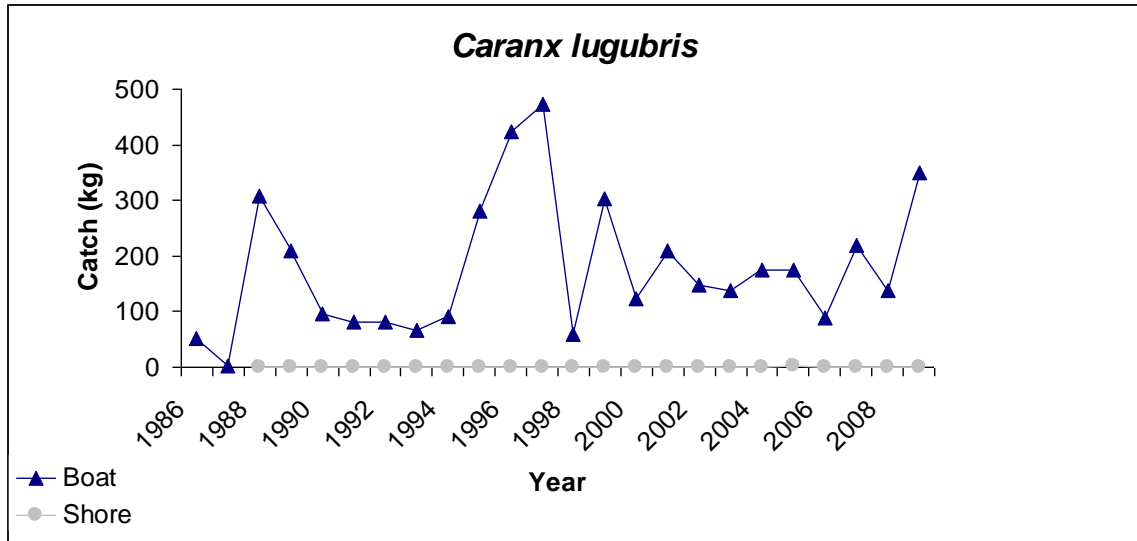
Last Five Years	Boat	Shore
Mean Catch (kg)	8.7	1.6
Standard Deviation	6.9	0.9
Confidence Value	6.0	0.8
Upper Bound CI	14.7	2.4
Lower Bound CI	2.7	0.8
Total Record	Boat	Shore
Mean Catch (kg)	4.9	3.0
Standard Deviation	5.1	3.1
Confidence Value	2.0	1.3
Upper Bound CI	7.0	4.3
Lower Bound CI	2.9	1.7

# CARANAGIDAE

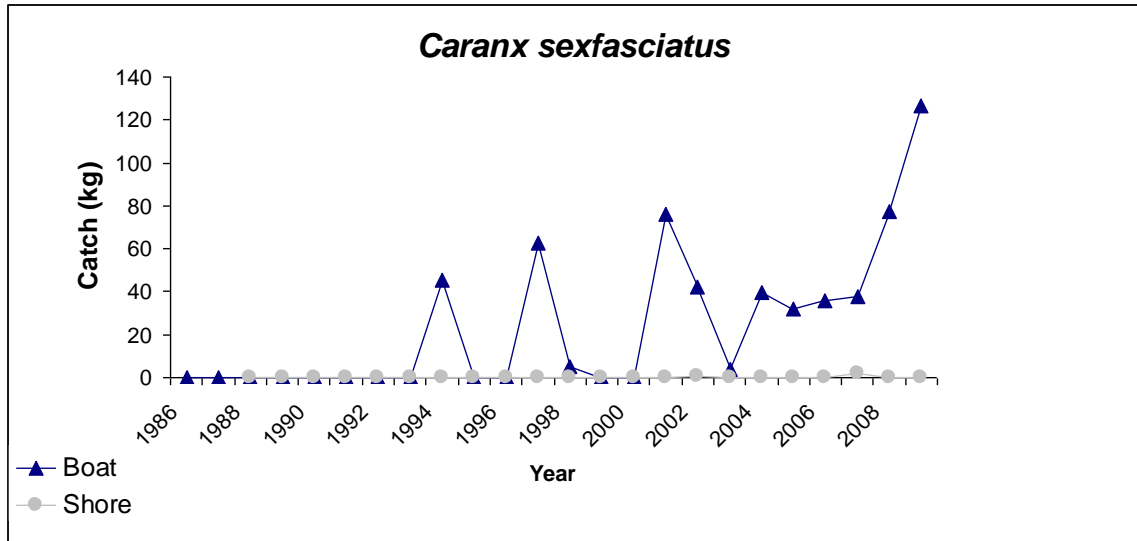


Last Five Years	Boat	Shore
Mean Catch (kg)	401.8	12.3
Standard Deviation	218.7	11.7
Confidence Value	191.7	10.2
Upper Bound CI	593.5	22.5
Lower Bound CI	210.1	2.1
Total Record	Boat	Shore
Mean Catch (kg)	461.3	102.1
Standard Deviation	255.5	118.6
Confidence Value	102.2	49.6
Upper Bound CI	563.5	151.7
Lower Bound CI	359.1	52.6

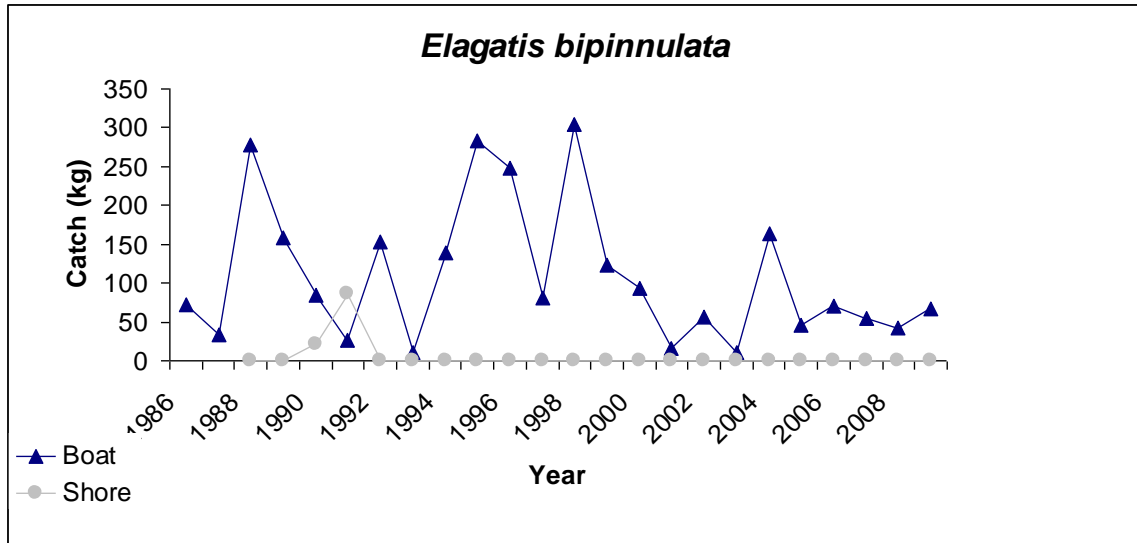




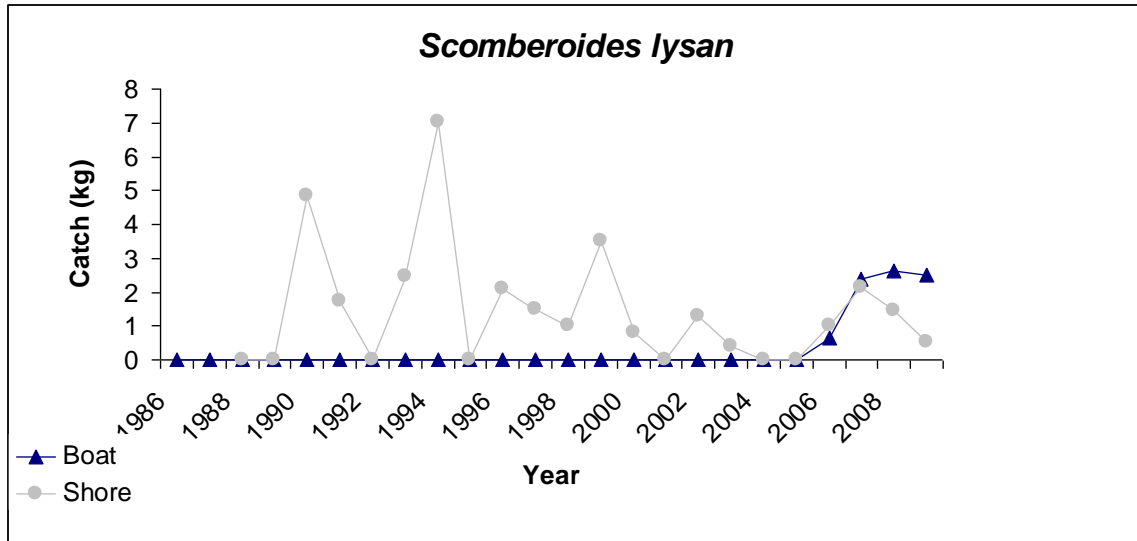
Last Five Years	Boat	Shore
Mean Catch (kg)	195.0	0.4
Standard Deviation	99.3	0.9
Confidence Value	87.0	0.8
Upper Bound CI	282.0	1.2
Lower Bound CI	107.9	-0.4
Total Record	Boat	Shore
Mean Catch (kg)	179.0	0.1
Standard Deviation	122.4	0.4
Confidence Value	49.0	0.2
Upper Bound CI	228.0	0.3
Lower Bound CI	130.1	-0.1



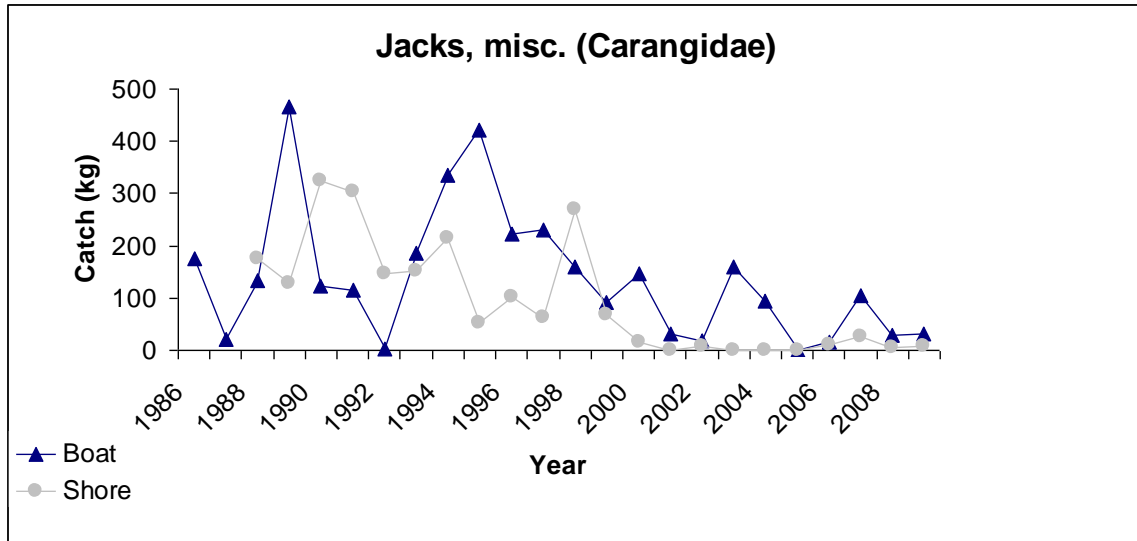
Last Five Years	Boat	Shore
Mean Catch (kg)	61.8	0.4
Standard Deviation	40.8	0.9
Confidence Value	35.7	0.8
Upper Bound CI	97.5	1.2
Lower Bound CI	26.1	-0.4
Total Record	Boat	Shore
Mean Catch (kg)	24.3	0.1
Standard Deviation	34.1	0.4
Confidence Value	13.6	0.2
Upper Bound CI	38.0	0.3
Lower Bound CI	10.7	-0.1



Last Five Years	Boat	Shore
Mean Catch (kg)	56.4	0.0
Standard Deviation	12.2	0.0
Confidence Value	10.7	-
Upper Bound CI	67.1	-
Lower Bound CI	45.8	-
Total Record	Boat	Shore
Mean Catch (kg)	109.0	4.9
Standard Deviation	89.9	18.7
Confidence Value	36.0	7.8
Upper Bound CI	144.9	12.7
Lower Bound CI	73.0	-3.0

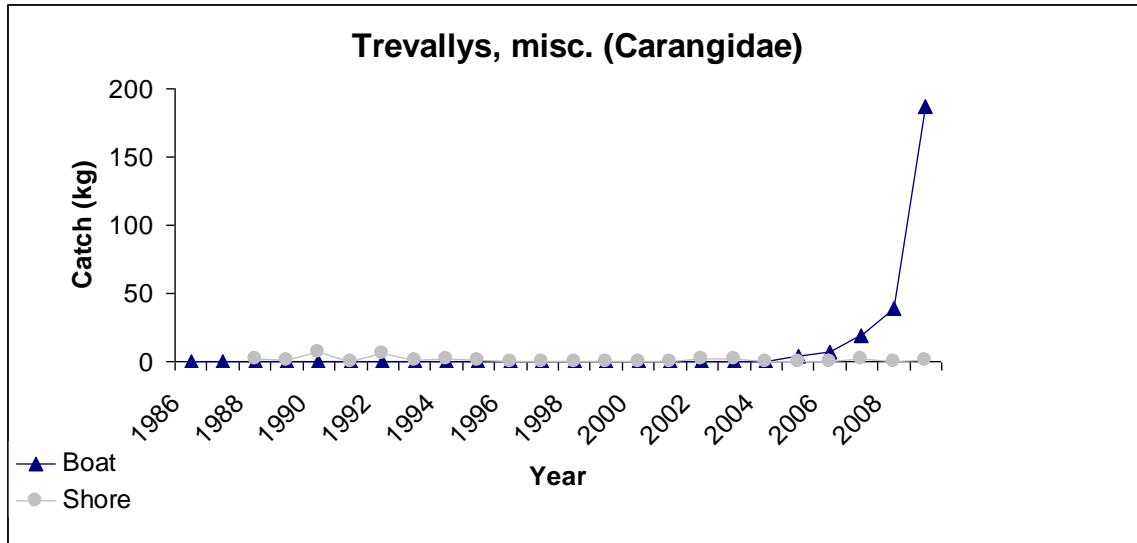


Last Five Years	Boat	Shore
Mean Catch (kg)	1.6	1.0
Standard Deviation	1.2	0.8
Confidence Value	1.1	0.7
Upper Bound CI	2.7	1.8
Lower Bound CI	0.6	0.3
Total Record	Boat	Shore
Mean Catch (kg)	0.3	1.4
Standard Deviation	0.8	1.8
Confidence Value	0.3	0.7
Upper Bound CI	0.7	2.2
Lower Bound CI	0.0	0.7



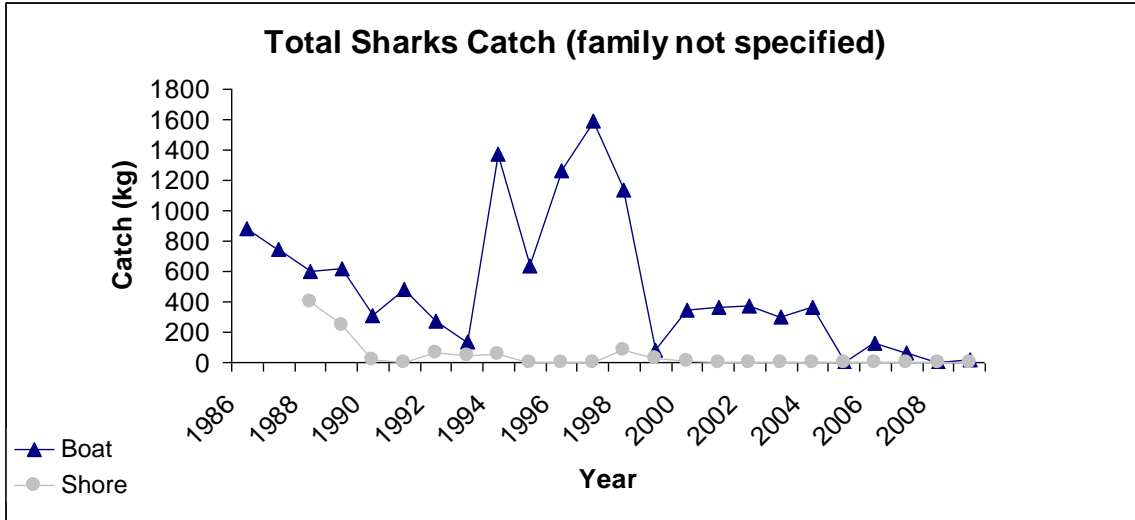
Last Five Years	Boat	Shore
Mean Catch (kg)	35.7	10.0
Standard Deviation	39.9	9.9
Confidence Value	35.0	8.7
Upper Bound CI	70.7	18.6
Lower Bound CI	0.7	1.3
Total Record	Boat	Shore
Mean Catch (kg)	137.9	94.4
Standard Deviation	126.7	105.9
Confidence Value	50.7	44.2
Upper Bound CI	188.6	138.6
Lower Bound CI	87.3	50.2



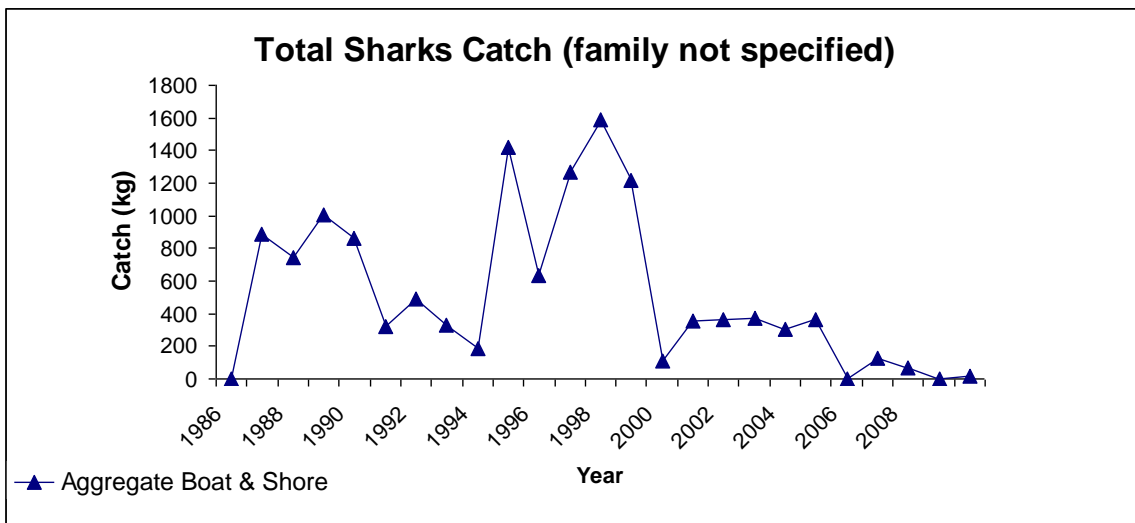


Last Five Years	Boat	Shore
Mean Catch (kg)	51.3	0.5
Standard Deviation	77.0	0.8
Confidence Value	67.5	0.7
Upper Bound CI	118.7	1.1
Lower Bound CI	-16.2	-0.2
Total Record	Boat	Shore
Mean Catch (kg)	10.7	1.2
Standard Deviation	38.5	1.9
Confidence Value	15.4	0.8
Upper Bound CI	26.1	2.0
Lower Bound CI	-4.7	0.4

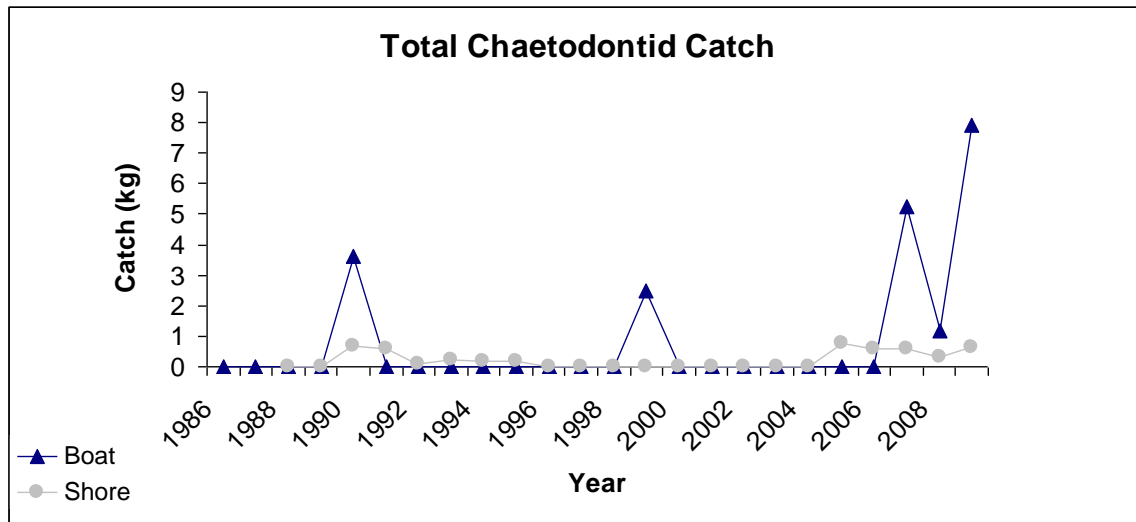
# CARCHARHINIDAE



Last Five Years	Boat	Shore
Mean Catch (kg)	42.1	0.0
Standard Deviation	55.1	0.0
Confidence Value	48.3	-
Upper Bound CI	90.4	-
Lower Bound CI	-6.2	-
Total Record	Boat	Shore
Mean Catch (kg)	504.3	42.6
Standard Deviation	454.6	96.5
Confidence Value	181.9	40.3
Upper Bound CI	686.1	82.9
Lower Bound CI	322.4	2.2

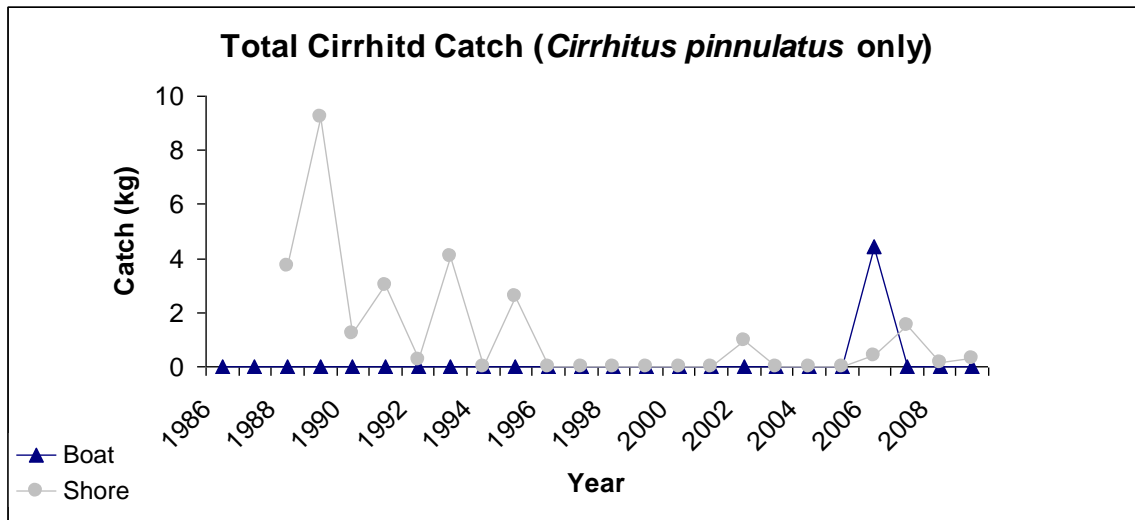


# CHAETODONTIDAE



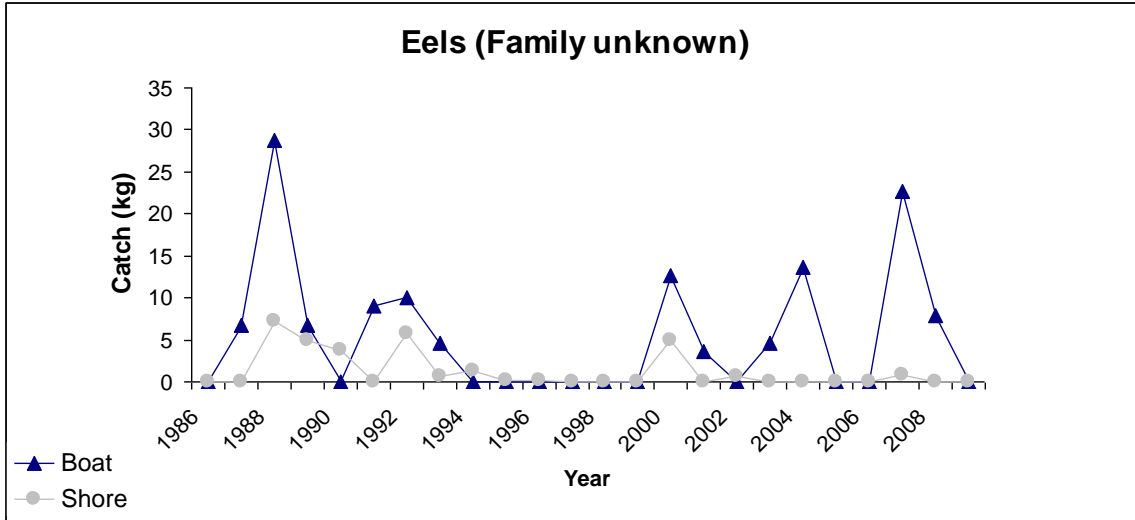
Last Five Years	Boat	Shore
Mean Catch (kg)	2.9	0.6
Standard Deviation	3.6	0.2
Confidence Value	3.1	0.2
Upper Bound CI	6.0	0.7
Lower Bound CI	-0.2	0.4
Total Record	Boat	Shore
Mean Catch (kg)	0.9	0.2
Standard Deviation	2.0	0.3
Confidence Value	0.8	0.1
Upper Bound CI	1.7	0.3
Lower Bound CI	0.0	0.1

# CIRRHITIDAE

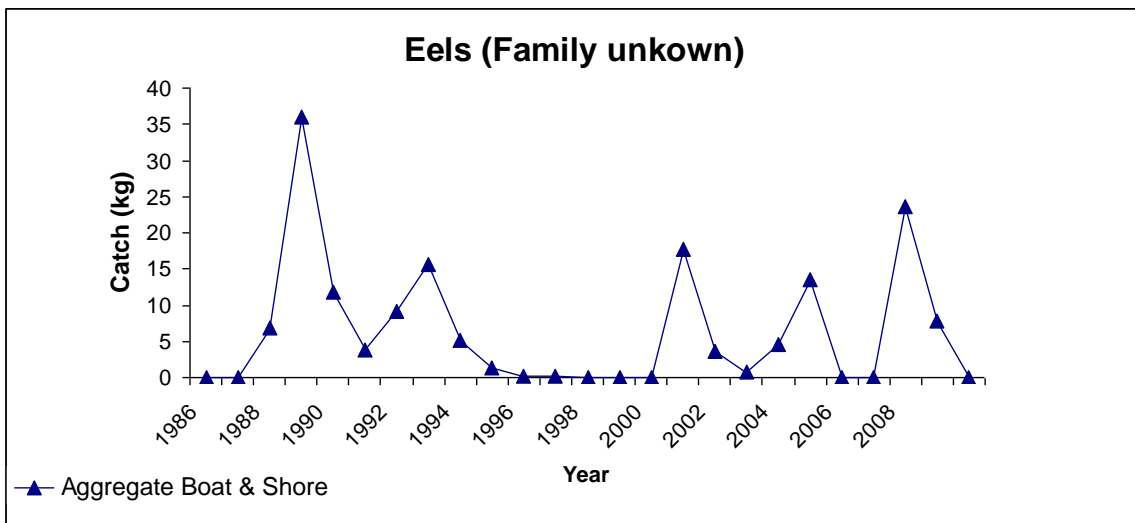


Last Five Years	Boat	Shore
Mean Catch (kg)	0.9	0.5
Standard Deviation	2.0	0.6
Confidence Value	1.7	0.5
Upper Bound CI	2.6	1.0
Lower Bound CI	-0.9	-0.1
Total Record	Boat	Shore
Mean Catch (kg)	0.2	1.2
Standard Deviation	0.9	2.2
Confidence Value	0.4	0.9
Upper Bound CI	0.6	2.2
Lower Bound CI	-0.2	0.3

## Eels (family unknown)

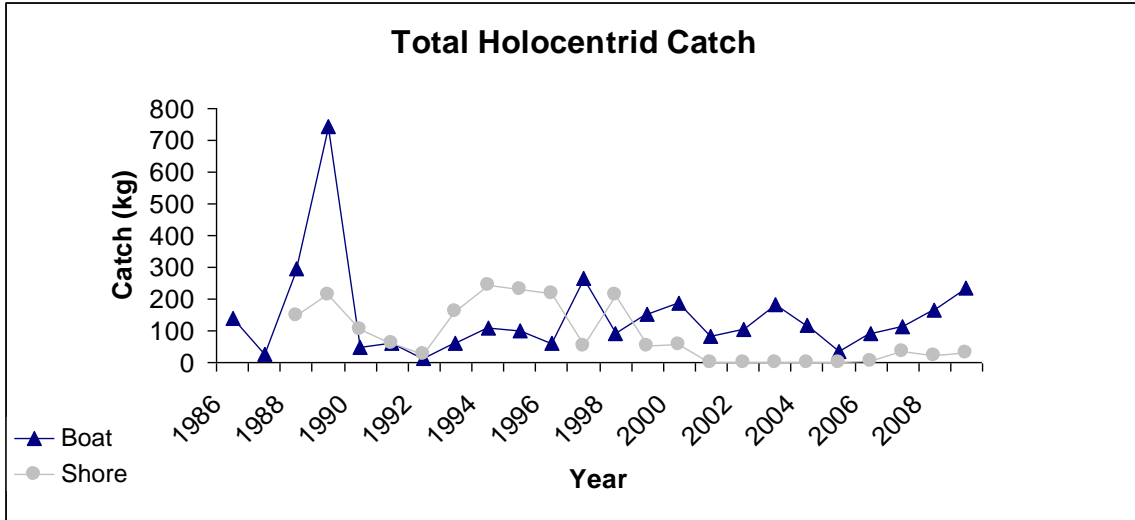


Last Five Years	Boat	Shore
Mean Catch (kg)	6.1	0.2
Standard Deviation	9.9	0.4
Confidence Value	8.6	0.4
Upper Bound CI	14.7	0.5
Lower Bound CI	-2.5	-0.2
Total Record	Boat	Shore
Mean Catch (kg)	5.5	1.3
Standard Deviation	7.7	2.2
Confidence Value	3.1	0.9
Upper Bound CI	8.5	2.2
Lower Bound CI	2.4	0.4

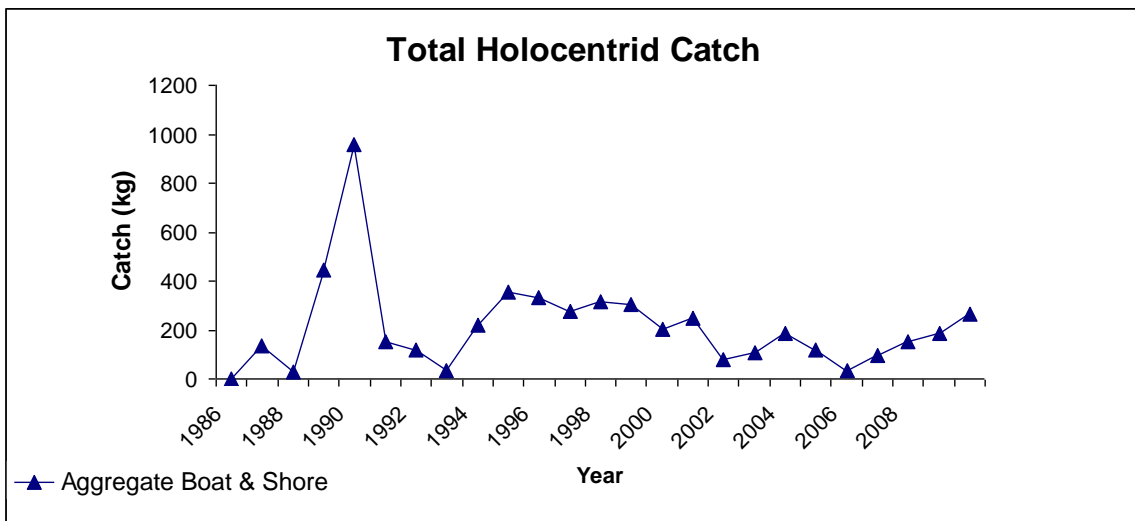


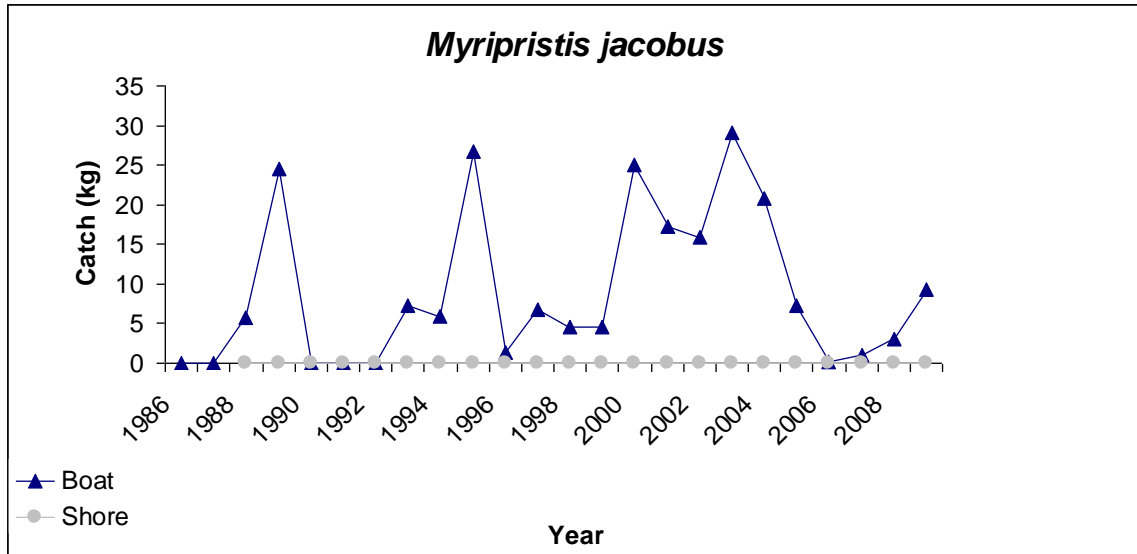
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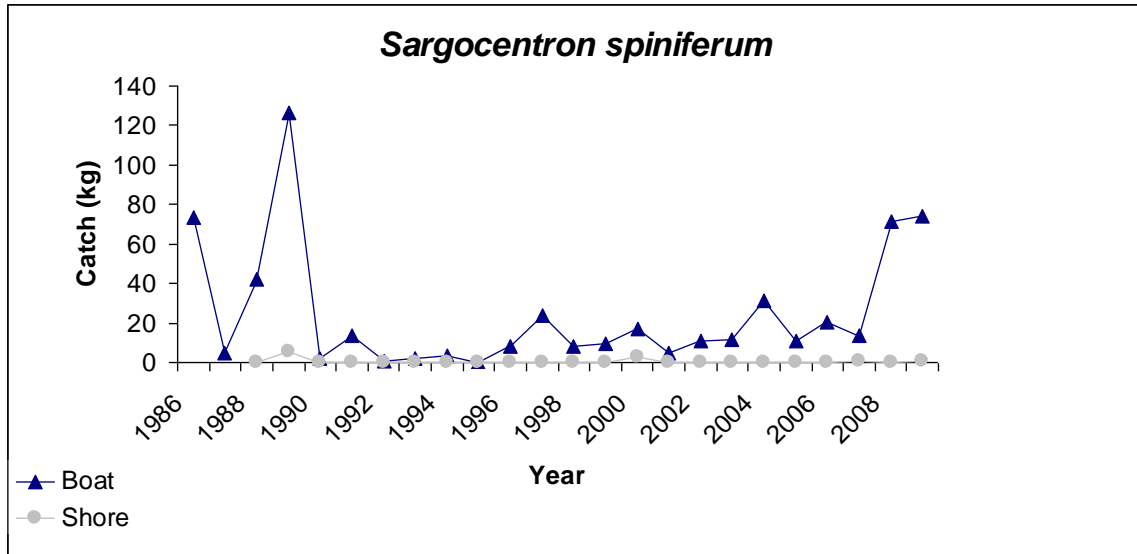


Last Five Years	Boat	Shore
Mean Catch (kg)	127.8	19.0
Standard Deviation	76.4	15.3
Confidence Value	67.0	13.4
Upper Bound CI	194.7	32.4
Lower Bound CI	60.8	5.6
Total Record	Boat	Shore
Mean Catch (kg)	144.9	84.8
Standard Deviation	146.9	88.7
Confidence Value	58.8	37.1
Upper Bound CI	203.7	121.9
Lower Bound CI	86.1	47.8

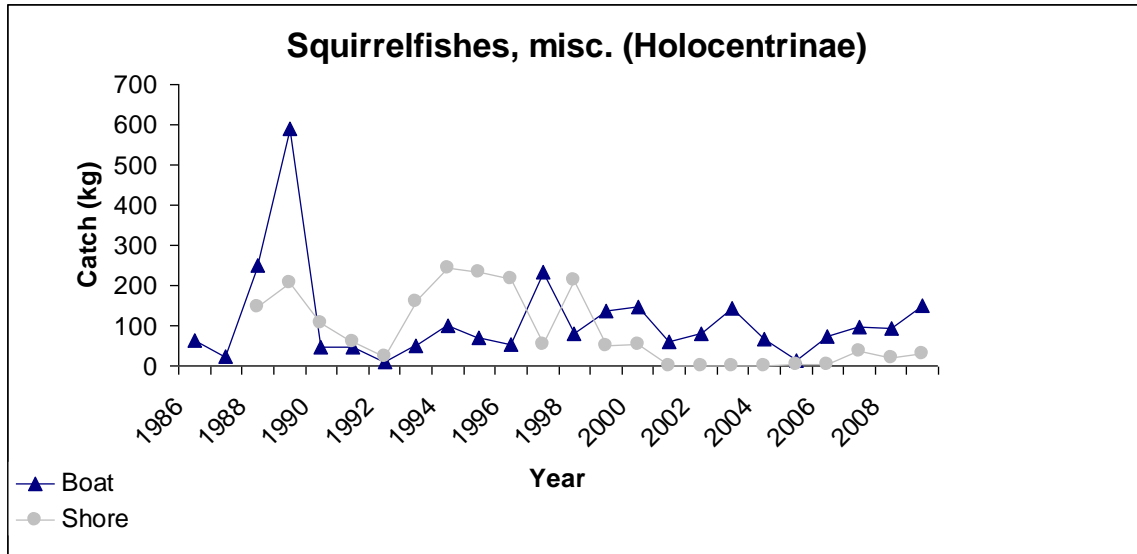




Last Five Years	Boat	Shore
Mean Catch (kg)	4.2	0.0
Standard Deviation	4.0	0.0
Confidence Value	3.5	-
Upper Bound CI	7.7	-
Lower Bound CI	0.7	-
Total Record	Boat	Shore
Mean Catch (kg)	9.0	0.0
Standard Deviation	9.7	0.0
Confidence Value	3.9	-
Upper Bound CI	12.9	-
Lower Bound CI	5.1	-

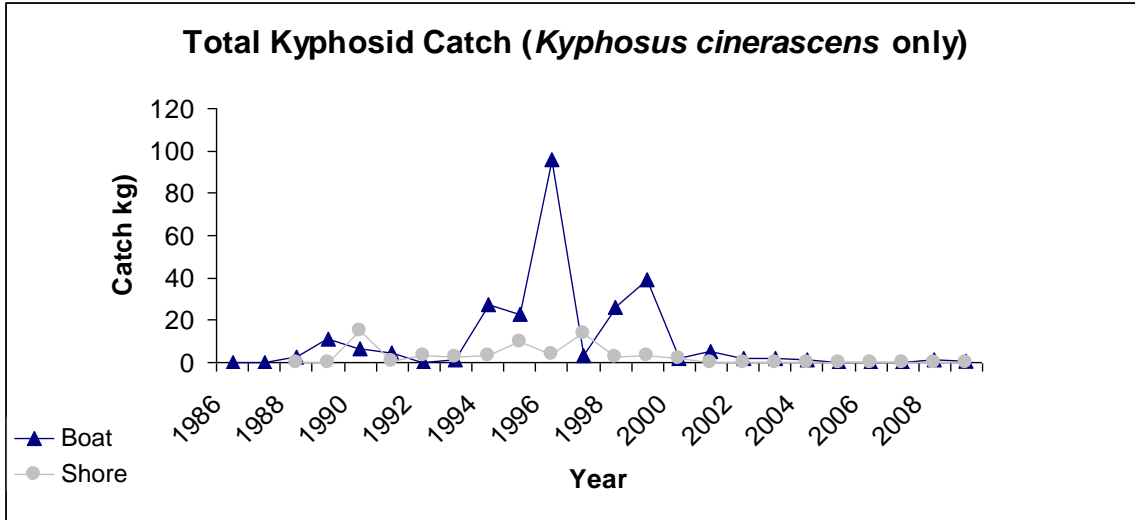


Last Five Years		Boat	Shore
Mean Catch (kg)		38.0	0.3
Standard Deviation		31.7	0.4
Confidence Value		27.8	0.3
Upper Bound CI		65.7	0.7
Lower Bound CI		10.2	0.0
Total Record		Boat	Shore
Mean Catch (kg)		24.3	0.5
Standard Deviation		31.4	1.3
Confidence Value		12.6	0.5
Upper Bound CI		36.8	1.0
Lower Bound CI		11.7	-0.1

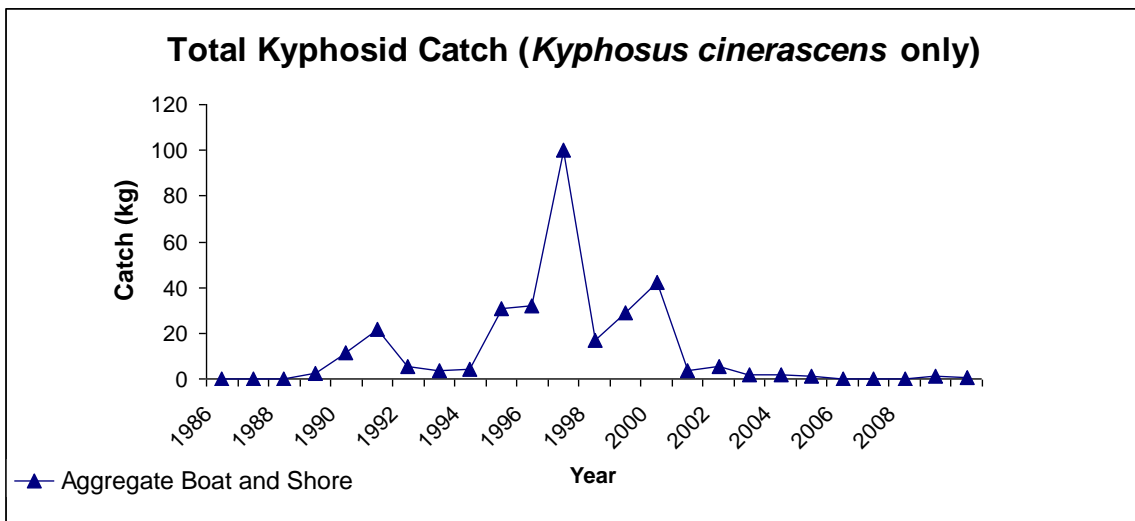


Last Five Years	Boat	Shore
Mean Catch (kg)	85.6	18.6
Standard Deviation	49.3	15.0
Confidence Value	43.3	13.1
Upper Bound CI	128.9	31.7
Lower Bound CI	42.4	5.5
Total Record	Boat	Shore
Mean Catch (kg)	111.6	84.4
Standard Deviation	118.8	88.4
Confidence Value	47.5	37.0
Upper Bound CI	159.2	121.3
Lower Bound CI	64.1	47.4

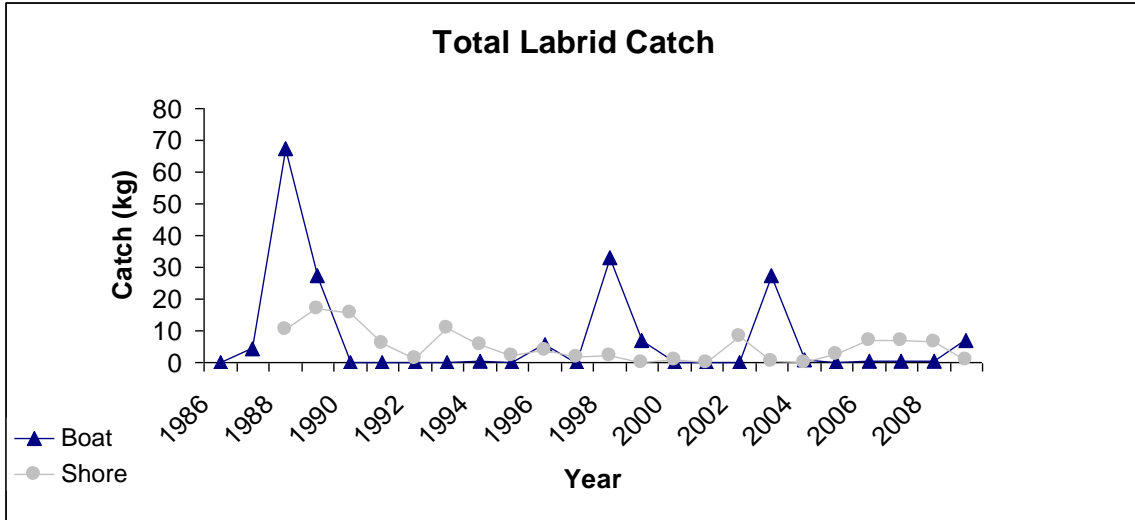
# KYPHOSIDAE



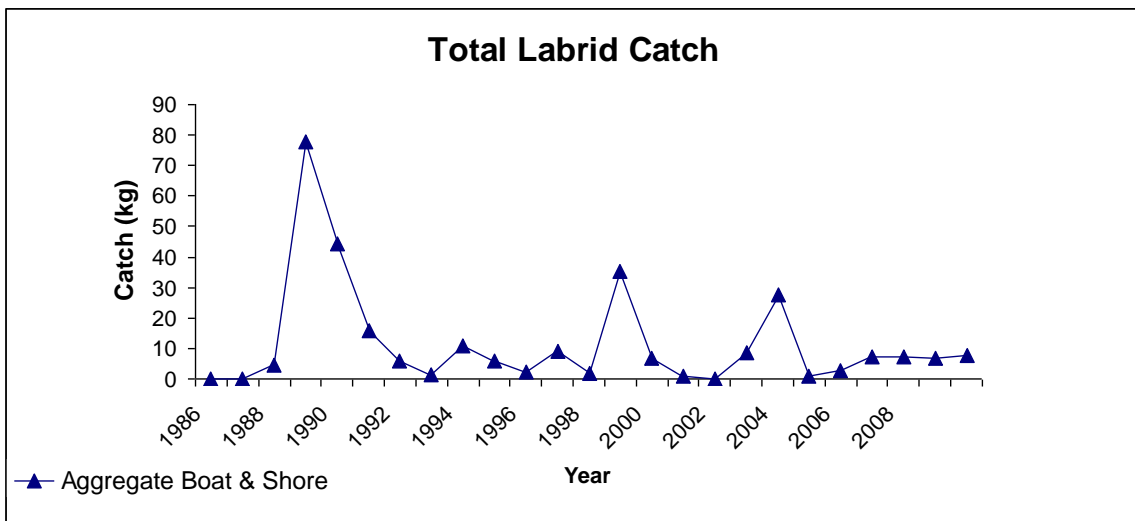
Last Five Years	Boat	Shore
Mean Catch (kg)	0.3	0.0
Standard Deviation	0.5	0.0
Confidence Value	0.4	-
Upper Bound CI	0.8	-
Lower Bound CI	-0.1	-
Total Record	Boat	Shore
Mean Catch (kg)	10.7	2.7
Standard Deviation	21.1	4.4
Confidence Value	8.4	1.8
Upper Bound CI	19.1	4.6
Lower Bound CI	2.2	0.9



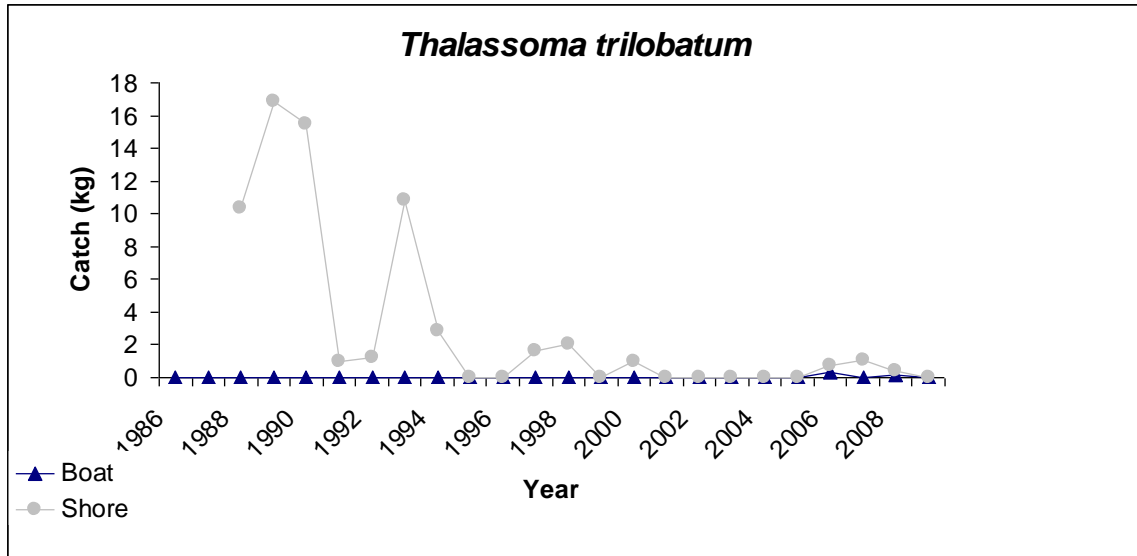
# LABRIDAE



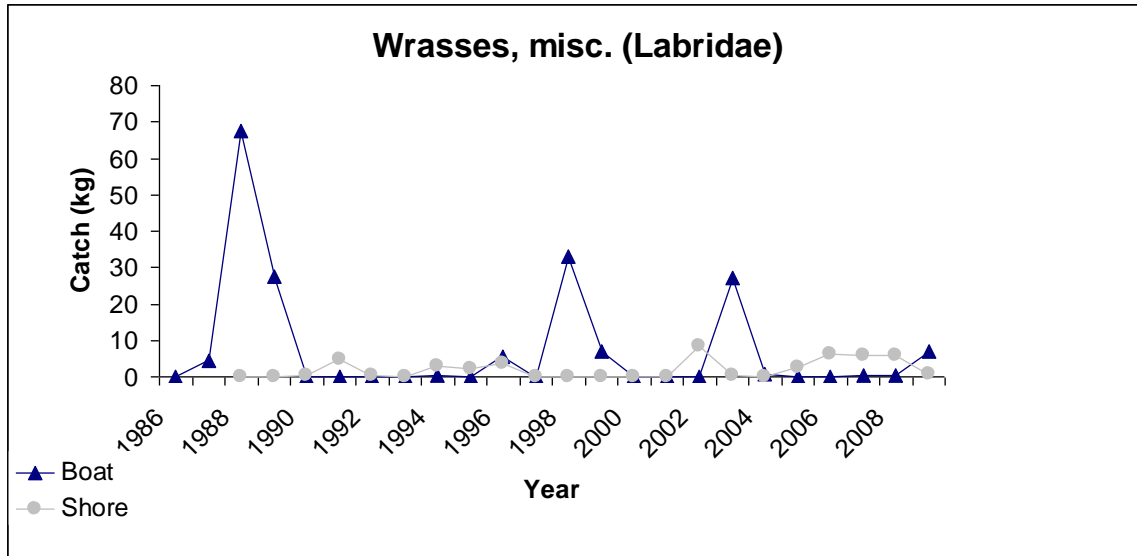
Last Five Years	Boat	Shore
Mean Catch (kg)	1.7	4.8
Standard Deviation	3.0	2.9
Confidence Value	2.7	2.5
Upper Bound CI	4.3	7.3
Lower Bound CI	-1.0	2.2
Total Record	Boat	Shore
Mean Catch (kg)	7.6	5.0
Standard Deviation	16.1	5.0
Confidence Value	6.4	2.1
Upper Bound CI	14.0	7.1
Lower Bound CI	1.1	2.9





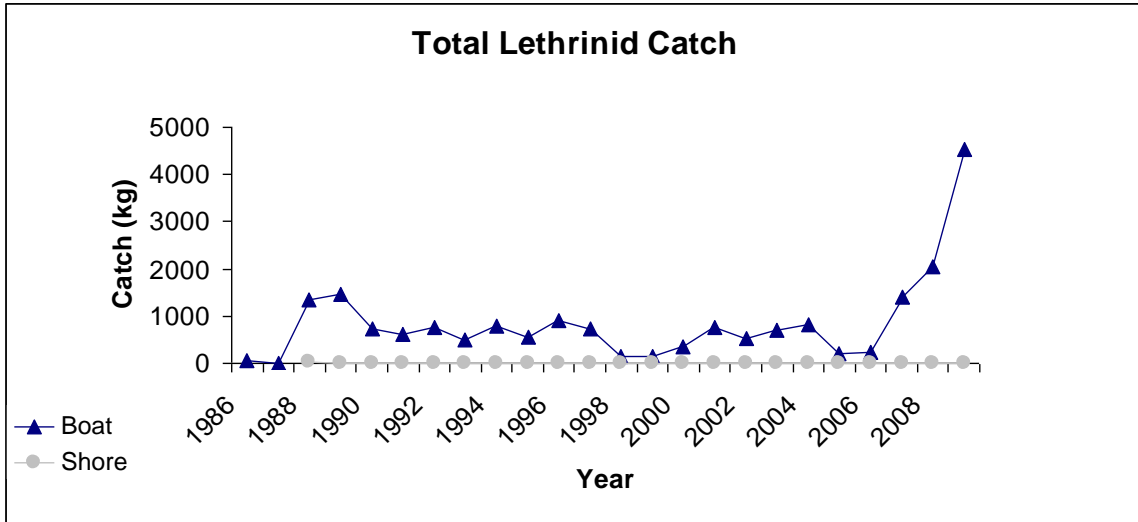


Last Five Years	Boat	Shore
Mean Catch (kg)	0.1	0.4
Standard Deviation	0.1	0.5
Confidence Value	0.1	0.4
Upper Bound CI	0.2	0.9
Lower Bound CI	0.0	0.0
Total Record	Boat	Shore
Mean Catch (kg)	0.0	3.0
Standard Deviation	0.1	5.2
Confidence Value	0.0	2.2
Upper Bound CI	0.0	5.2
Lower Bound CI	0.0	0.8

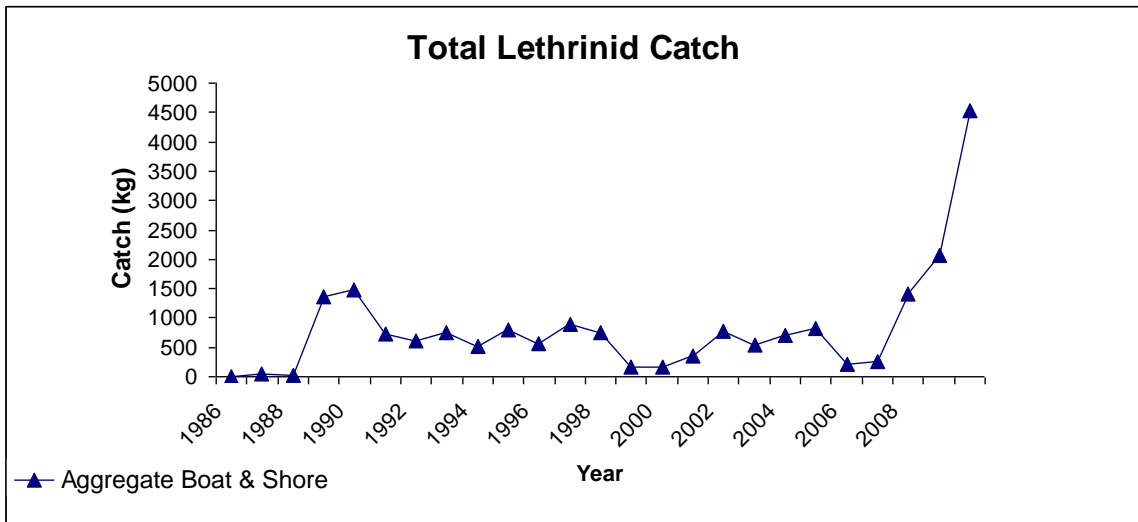


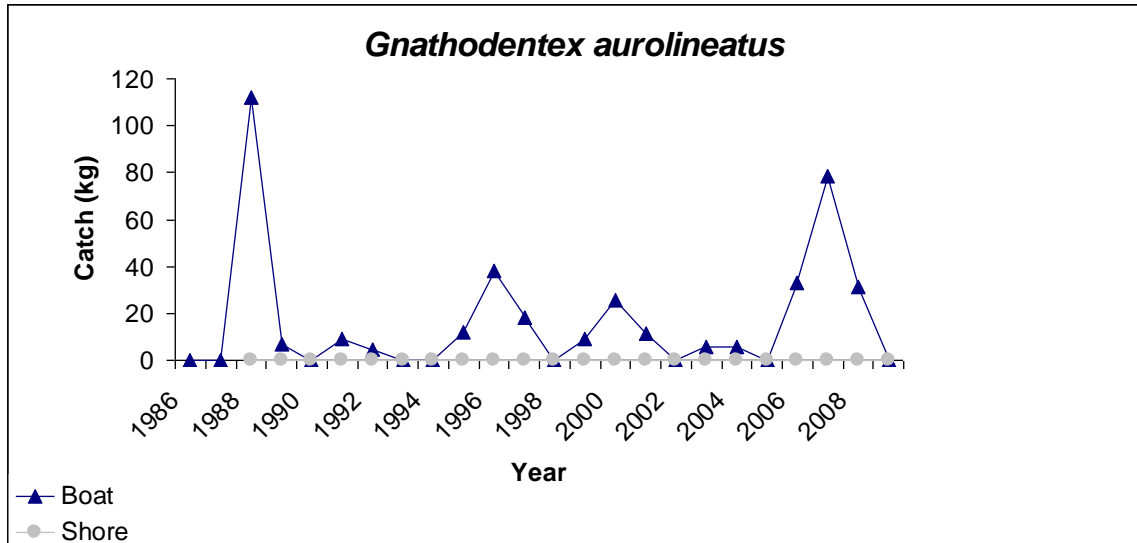
Last Five Years	Boat	Shore
Mean Catch (kg)	1.6	4.3
Standard Deviation	3.1	2.5
Confidence Value	2.7	2.2
Upper Bound CI	4.3	6.5
Lower Bound CI	-1.1	2.1
Total Record	Boat	Shore
Mean Catch (kg)	7.5	2.0
Standard Deviation	16.1	2.7
Confidence Value	6.4	1.1
Upper Bound CI	14.0	3.2
Lower Bound CI	1.1	0.9

# LETHRINIDAE

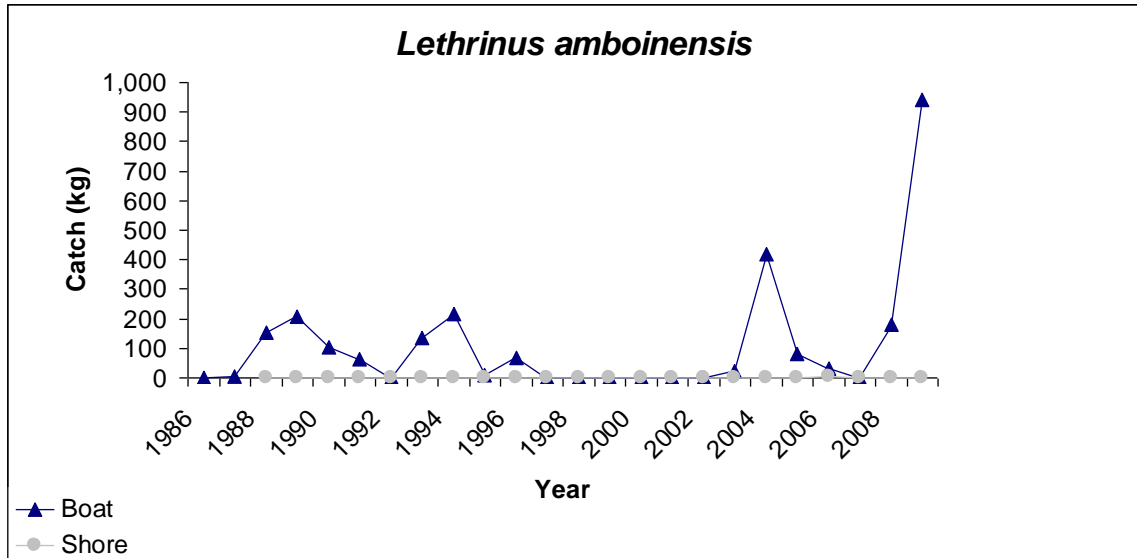


Last Five Years	Boat	Shore
Mean Catch (kg)	1,689.6	3.7
Standard Deviation	1,771.1	2.1
Confidence Value	1,552.4	1.8
Upper Bound CI	3,242.1	5.5
Lower Bound CI	137.2	1.8
Total Record	Boat	Shore
Mean Catch (kg)	849.7	4.0
Standard Deviation	925.9	4.2
Confidence Value	370.4	1.8
Upper Bound CI	1,220.2	5.8
Lower Bound CI	479.3	2.2

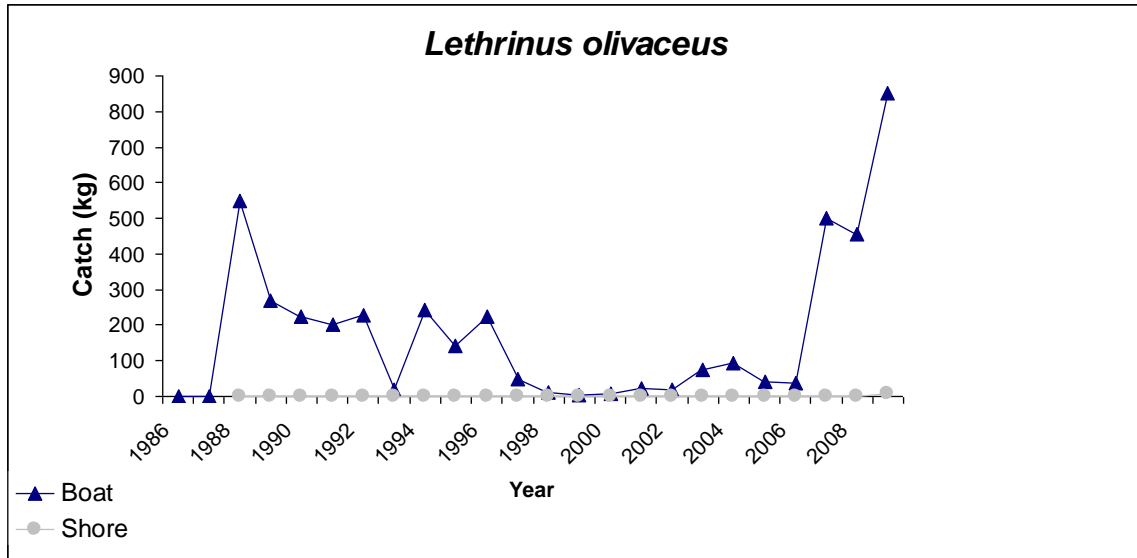




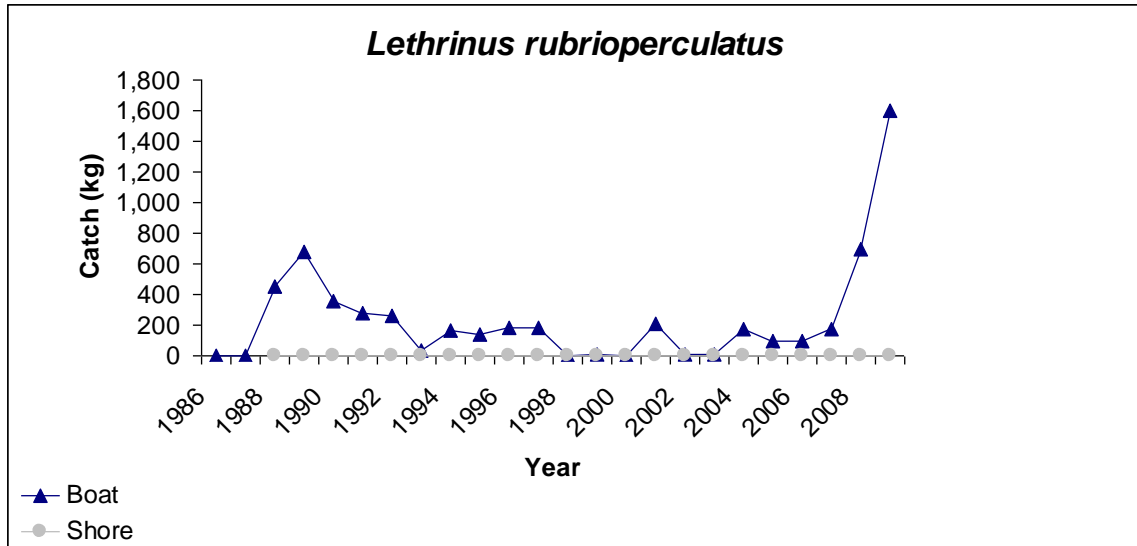
Last Five Years	Boat	Shore
Mean Catch (kg)	28.6	0.0
Standard Deviation	32.3	0.0
Confidence Value	28.3	-
Upper Bound CI	56.9	-
Lower Bound CI	0.3	-
Total Record	Boat	Shore
Mean Catch (kg)	16.7	0.0
Standard Deviation	27.3	0.0
Confidence Value	10.9	-
Upper Bound CI	27.7	-
Lower Bound CI	5.8	-



Last Five Years	Boat	Shore
Mean Catch (kg)	247.3	0.5
Standard Deviation	393.4	1.1
Confidence Value	344.9	1.0
Upper Bound CI	592.1	1.5
Lower Bound CI	-97.6	-0.5
Total Record	Boat	Shore
Mean Catch (kg)	110.0	0.1
Standard Deviation	204.5	0.5
Confidence Value	81.8	0.2
Upper Bound CI	191.8	0.3
Lower Bound CI	28.2	-0.1

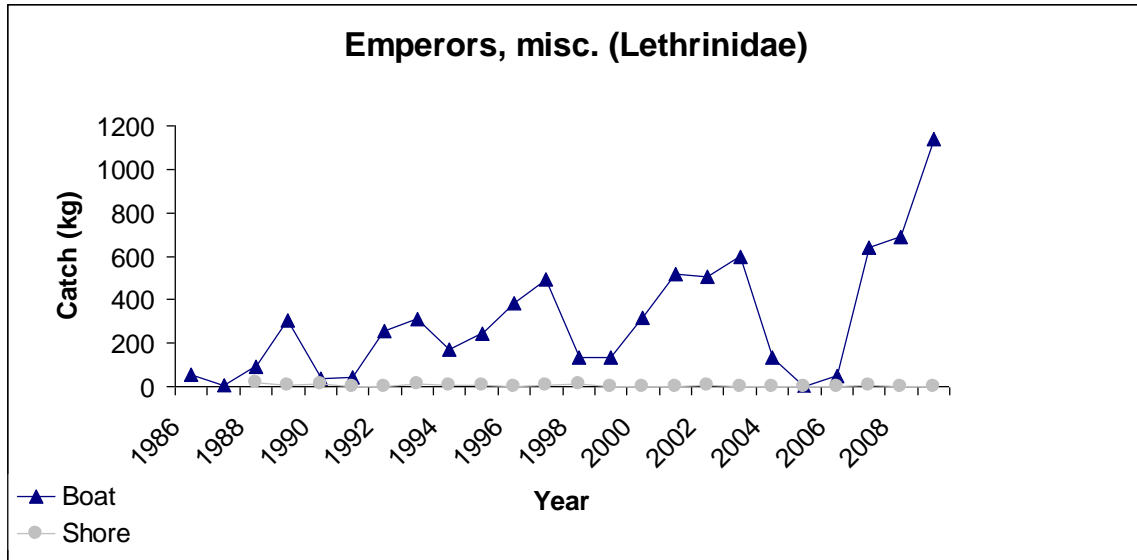


Last Five Years	Boat	Shore
Mean Catch (kg)	377.5	1.6
Standard Deviation	344.3	2.6
Confidence Value	301.8	2.3
Upper Bound CI	679.3	3.8
Lower Bound CI	75.7	-0.7
Total Record	Boat	Shore
Mean Catch (kg)	178.1	0.4
Standard Deviation	217.8	1.3
Confidence Value	87.1	0.5
Upper Bound CI	265.2	0.9
Lower Bound CI	90.9	-0.2



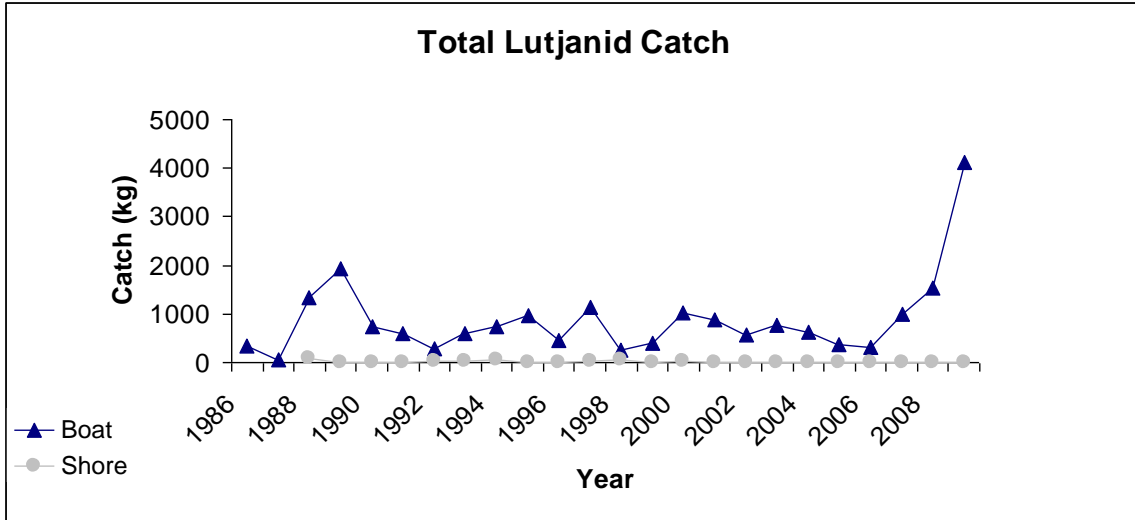
Last Five Years		
	Boat	Shore
Mean Catch (kg)	532.3	0.0
Standard Deviation	647.5	0.0
Confidence Value	567.6	-
Upper Bound CI	1,099.8	-
Lower Bound CI	-35.3	-
Total Record		
	Boat	Shore
Mean Catch (kg)	242.5	0.0
Standard Deviation	349.9	0.0
Confidence Value	140.0	-
Upper Bound CI	382.5	-
Lower Bound CI	102.5	-



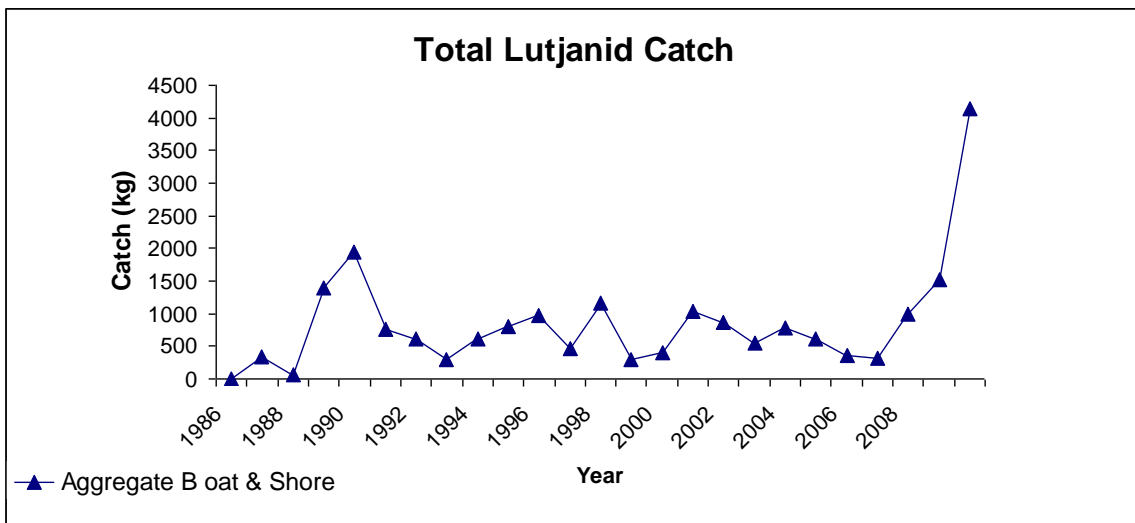


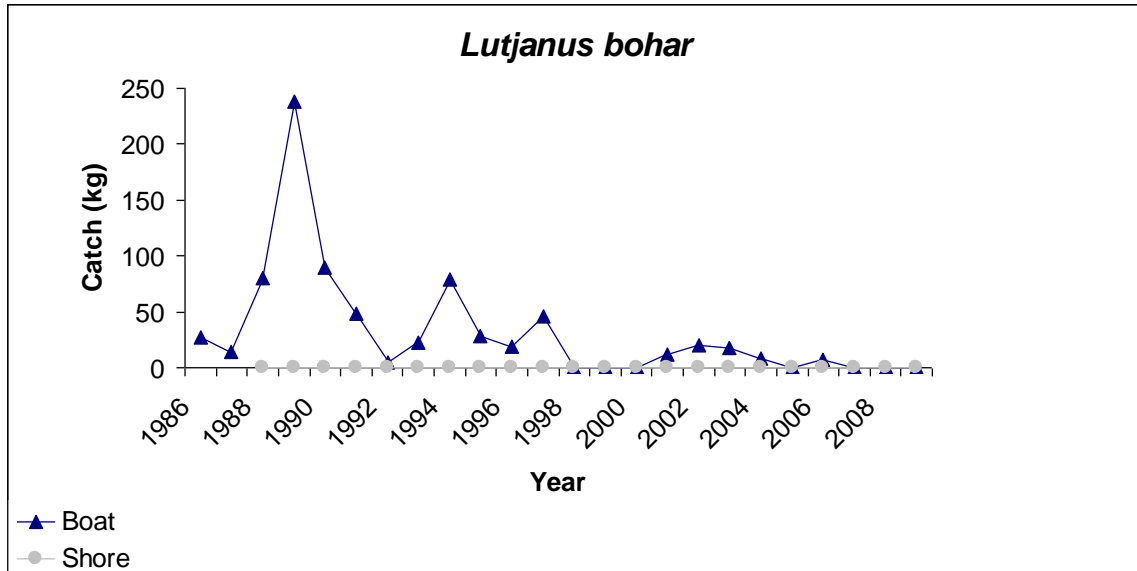
Last Five Years	Boat	Shore
Mean Catch (kg)	504.0	1.6
Standard Deviation	479.4	1.4
Confidence Value	420.2	1.2
Upper Bound CI	924.2	2.8
Lower Bound CI	83.8	0.4
Total Record	Boat	Shore
Mean Catch (kg)	302.5	3.5
Standard Deviation	278.4	4.3
Confidence Value	111.4	1.8
Upper Bound CI	413.8	5.3
Lower Bound CI	191.1	1.7

# LUTJANIDAE

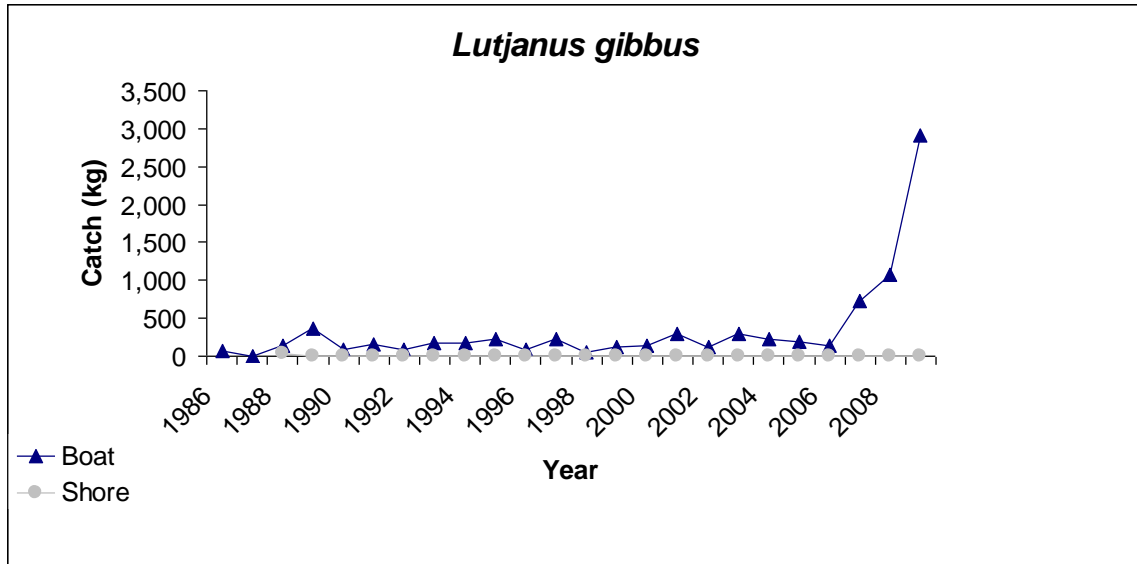


Last Five Years	Boat	Shore
Mean Catch (kg)	1,465.0	3.3
Standard Deviation	1,569.6	3.1
Confidence Value	1,375.8	2.7
Upper Bound CI	2,840.8	5.9
Lower Bound CI	89.2	0.6
Total Record	Boat	Shore
Mean Catch (kg)	874.7	16.3
Standard Deviation	820.5	21.7
Confidence Value	328.3	9.1
Upper Bound CI	1,203.0	25.4
Lower Bound CI	546.4	7.2

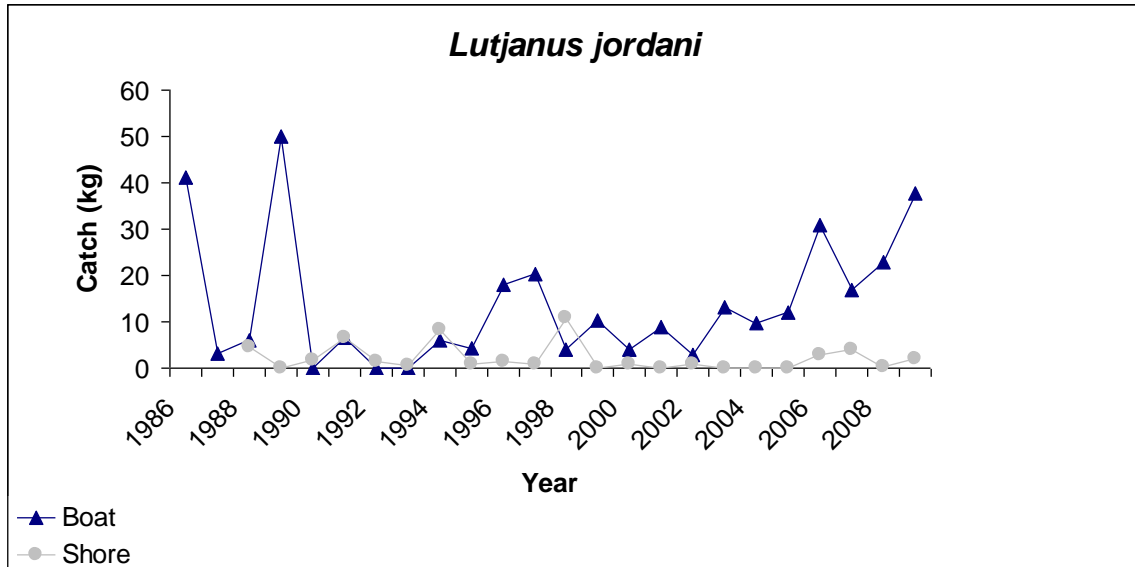




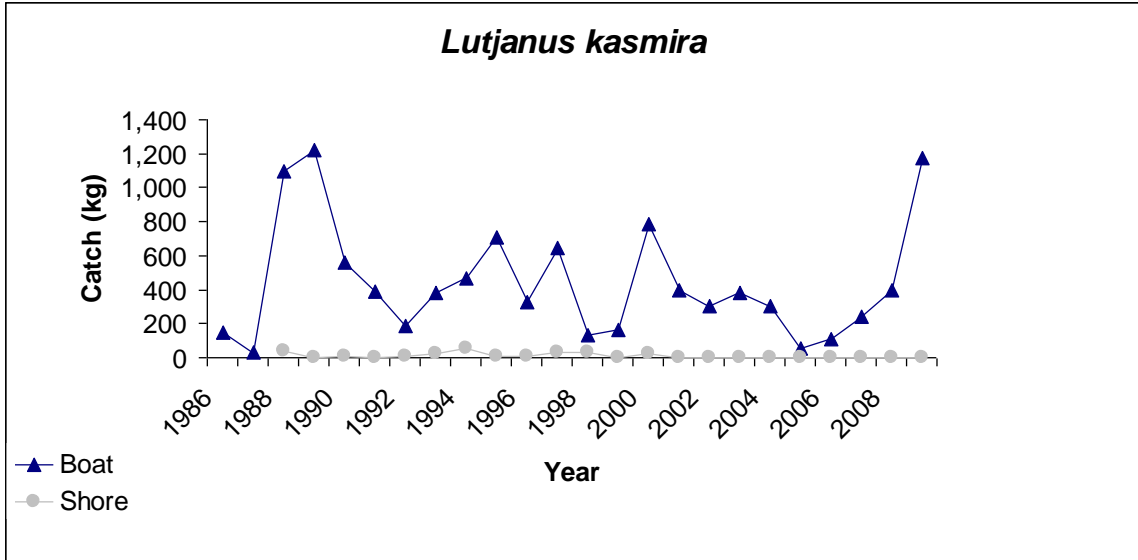
Last Five Years	Boat	Shore
Mean Catch (kg)	1.5	0.0
Standard Deviation	3.2	0.0
Confidence Value	2.8	-
Upper Bound CI	4.3	-
Lower Bound CI	-1.3	-
Total Record	Boat	Shore
Mean Catch (kg)	31.7	0.0
Standard Deviation	51.6	0.0
Confidence Value	20.6	-
Upper Bound CI	52.3	-
Lower Bound CI	11.1	-



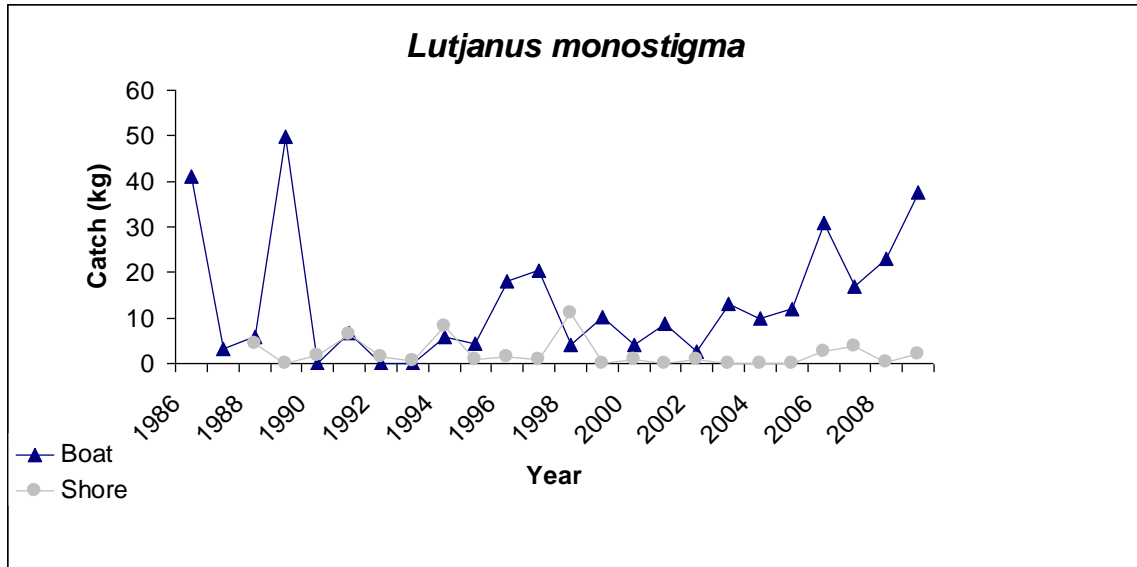
Last Five Years	Boat	Shore
Mean Catch (kg)	1,009.3	1.2
Standard Deviation	1,134.3	1.7
Confidence Value	994.2	1.5
Upper Bound CI	2,003.5	2.7
Lower Bound CI	15.1	-0.3
Total Record	Boat	Shore
Mean Catch (kg)	335.7	2.7
Standard Deviation	595.9	6.8
Confidence Value	238.4	2.9
Upper Bound CI	574.1	5.6
Lower Bound CI	97.3	-0.1



Last Five Years	Boat	Shore
Mean Catch (kg)	12.9	0.0
Standard Deviation	14.8	0.0
Confidence Value	13.0	-
Upper Bound CI	25.8	-
Lower Bound CI	-0.1	-
Total Record	Boat	Shore
Mean Catch (kg)	11.4	0.0
Standard Deviation	15.4	0.0
Confidence Value	6.2	-
Upper Bound CI	17.6	-
Lower Bound CI	5.3	-

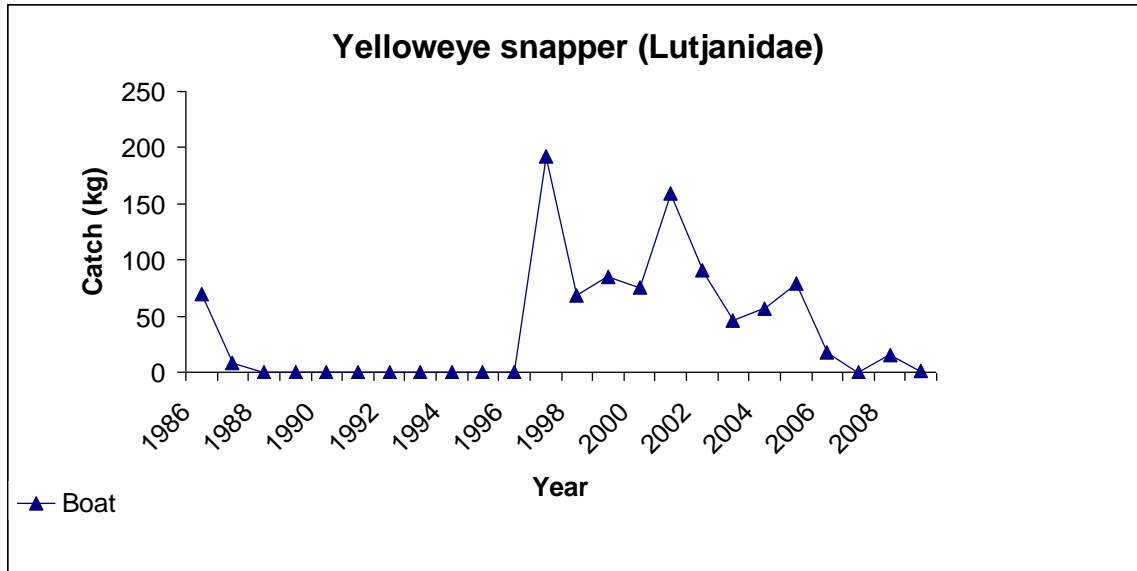


Last Five Years	Boat	Shore
Mean Catch (kg)	394.9	0.3
Standard Deviation	455.6	0.5
Confidence Value	399.3	0.4
Upper Bound CI	794.2	0.7
Lower Bound CI	-4.4	-0.1
Total Record	Boat	Shore
Mean Catch (kg)	442.0	11.4
Standard Deviation	341.6	16.1
Confidence Value	136.7	6.7
Upper Bound CI	578.6	18.1
Lower Bound CI	305.3	4.6



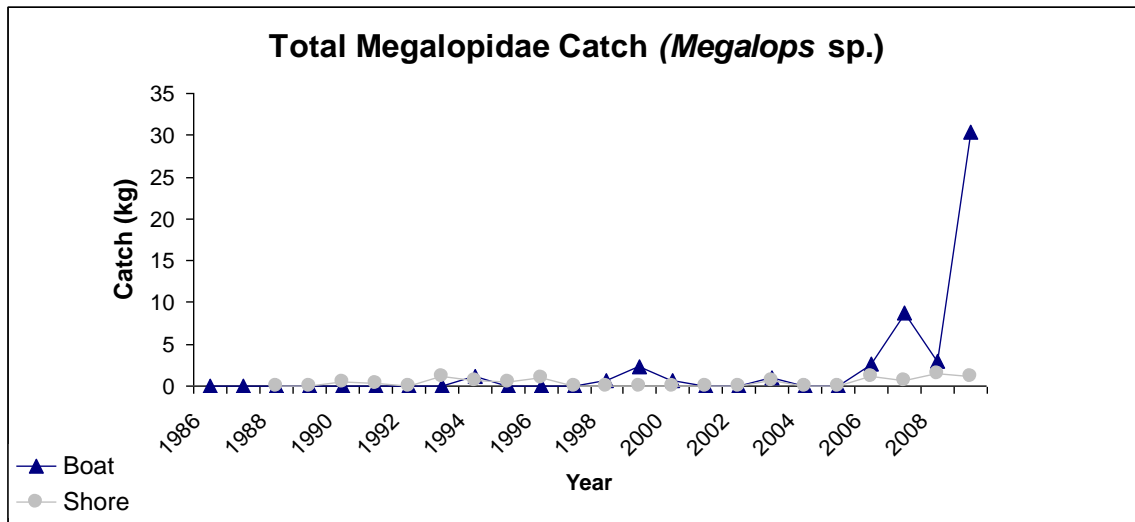
Last Five Years	Boat	Shore
Mean Catch (kg)	24.1	1.8
Standard Deviation	10.3	1.6
Confidence Value	9.0	1.4
Upper Bound CI	33.1	3.2
Lower Bound CI	15.0	0.3
Total Record	Boat	Shore
Mean Catch (kg)	13.7	2.2
Standard Deviation	13.8	3.0
Confidence Value	5.5	1.2
Upper Bound CI	19.2	3.4
Lower Bound CI	8.2	1.0





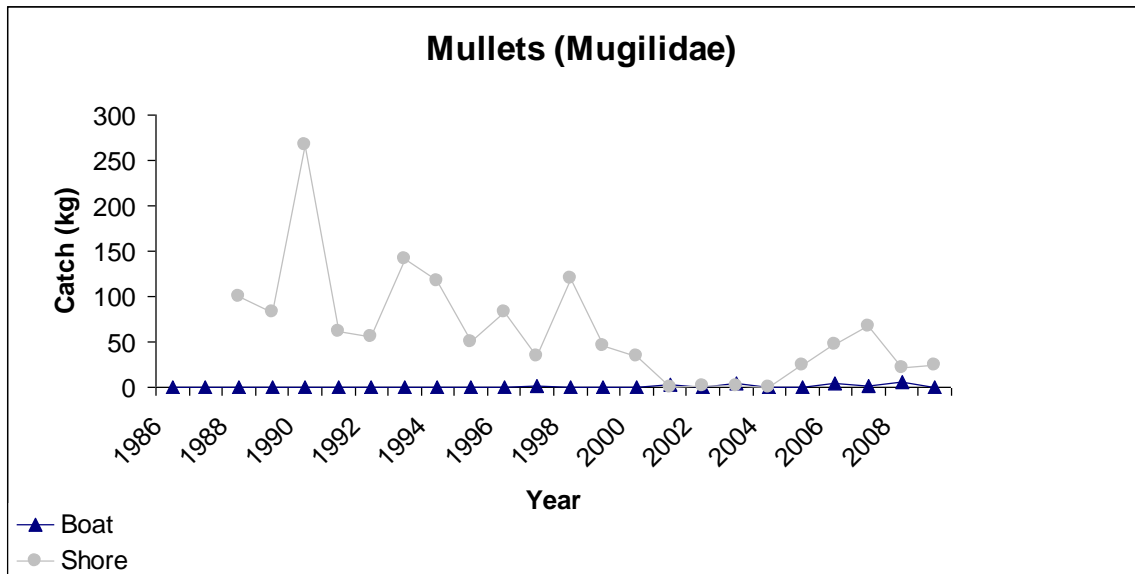
	Boat	Shore
<b>Last Five Years</b>		
Mean Catch (kg)	22.4	0.0
Standard Deviation	32.3	0.0
Confidence Value	28.3	-
Upper Bound CI	50.7	-
Lower Bound CI	-5.9	-
<b>Total Record</b>		
Mean Catch (kg)	40.2	0.0
Standard Deviation	53.8	0.0
Confidence Value	21.5	-
Upper Bound CI	61.7	-
Lower Bound CI	18.7	-

# MEGALOPIDAE



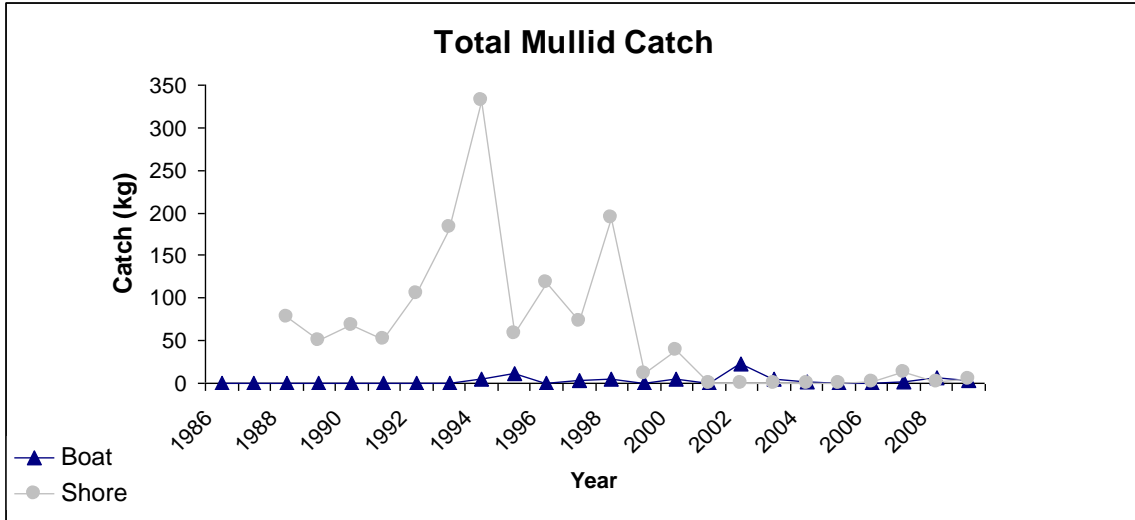
Last Five Years	Boat	Shore
Mean Catch (kg)	9.0	0.9
Standard Deviation	12.3	0.6
Confidence Value	10.8	0.5
Upper Bound CI	19.8	1.4
Lower Bound CI	-1.8	0.4
Total Record	Boat	Shore
Mean Catch (kg)	2.1	0.4
Standard Deviation	6.3	0.5
Confidence Value	2.5	0.2
Upper Bound CI	4.6	0.6
Lower Bound CI	-0.4	0.2

# MUGILIDAE

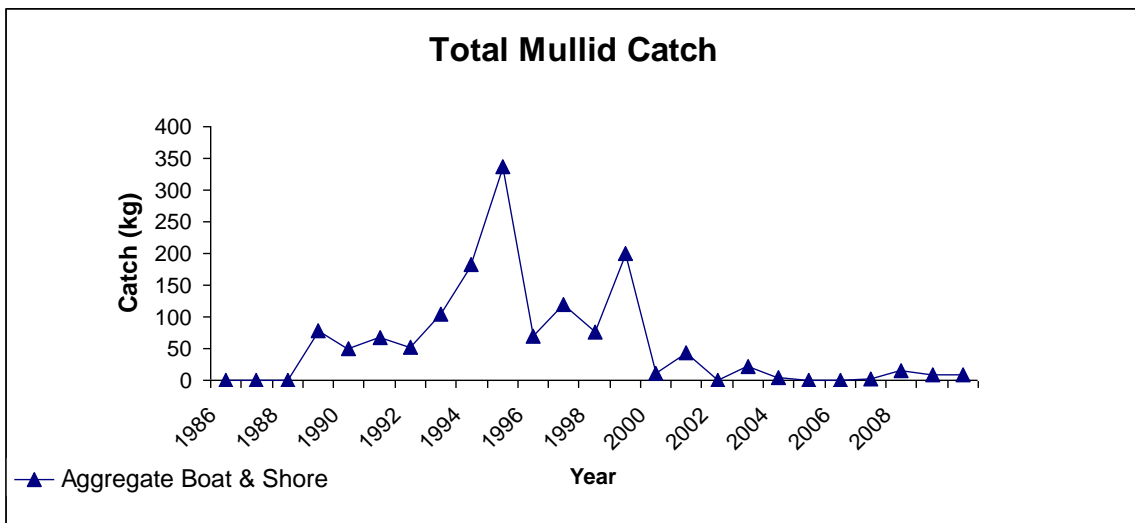


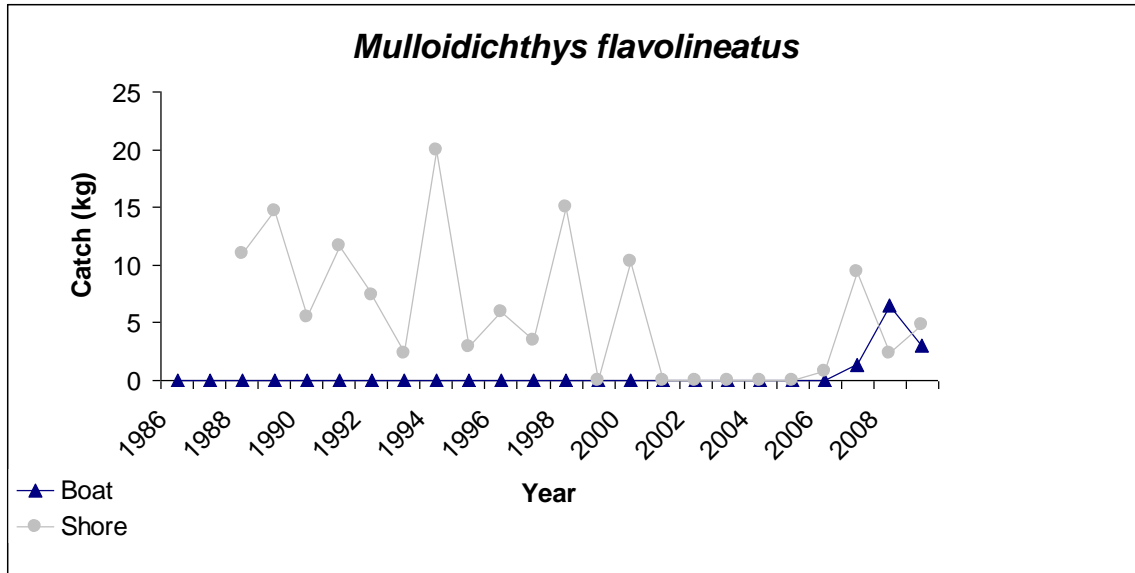
Last Five Years	Boat	Shore
Mean Catch (kg)	2.3	36.6
Standard Deviation	2.5	19.9
Confidence Value	2.1	17.4
Upper Bound CI	4.4	54.1
Lower Bound CI	0.1	19.2
Total Record	Boat	Shore
Mean Catch (kg)	0.8	62.7
Standard Deviation	1.6	61.3
Confidence Value	0.7	25.6
Upper Bound CI	1.5	88.3
Lower Bound CI	0.2	37.1

# MULLIDAE

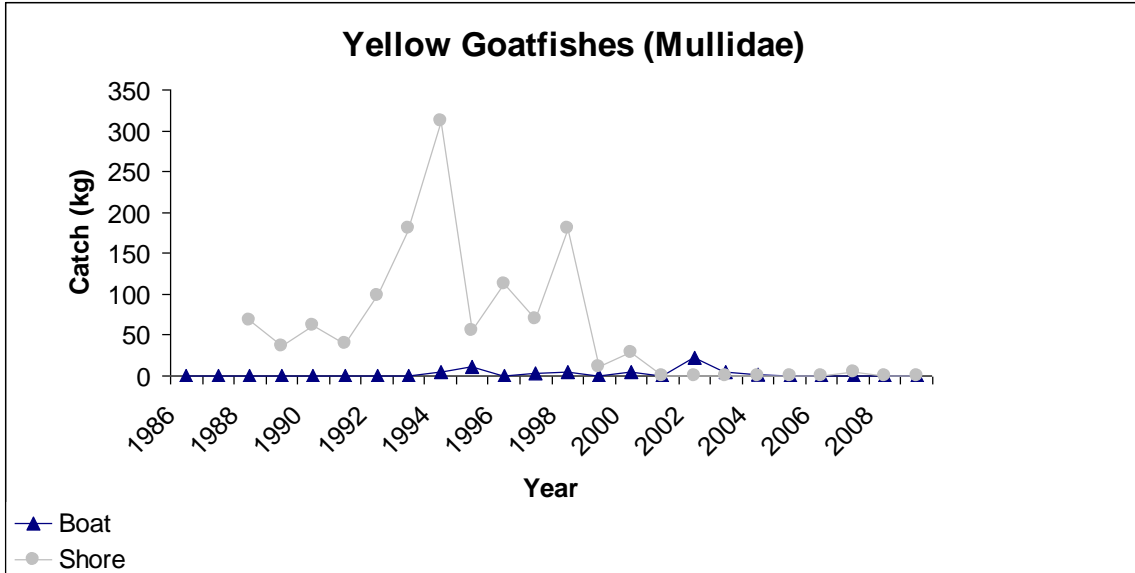


Last Five Years	Boat	Shore
Mean Catch (kg)	2.2	4.4
Standard Deviation	2.7	5.4
Confidence Value	2.4	4.8
Upper Bound CI	4.5	9.2
Lower Bound CI	-0.2	-0.4
Total Record	Boat	Shore
Mean Catch (kg)	2.8	62.9
Standard Deviation	5.1	83.5
Confidence Value	2.0	34.9
Upper Bound CI	4.9	97.8
Lower Bound CI	0.8	28.1



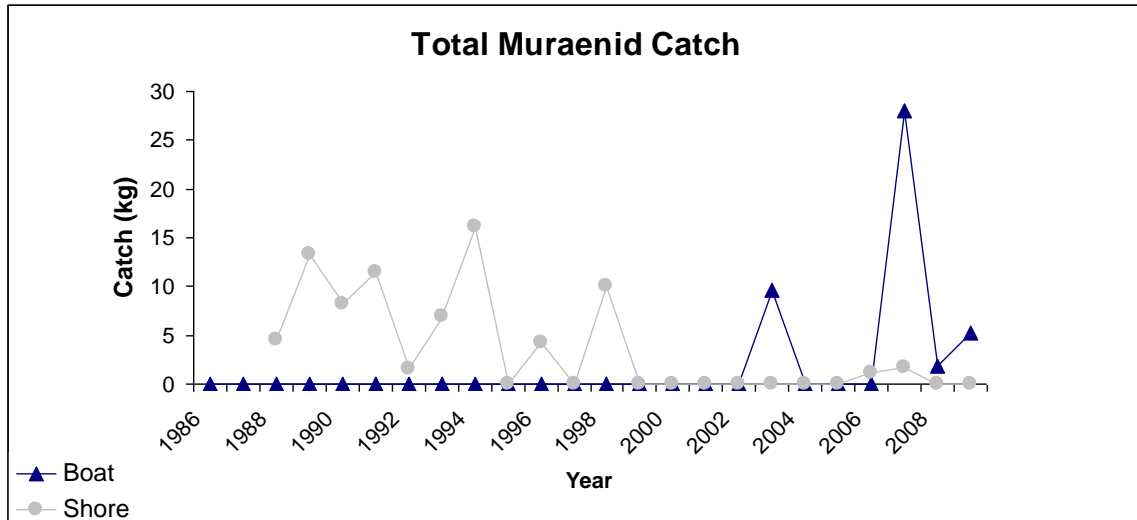


Last Five Years	Boat	Shore
Mean Catch (kg)	2.2	3.5
Standard Deviation	2.7	3.8
Confidence Value	2.4	3.3
Upper Bound CI	4.5	6.8
Lower Bound CI	-0.2	0.2
Total Record	Boat	Shore
Mean Catch (kg)	0.5	5.8
Standard Deviation	1.4	5.9
Confidence Value	0.6	2.5
Upper Bound CI	1.0	8.3
Lower Bound CI	-0.1	3.3



Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	0.9
Standard Deviation	0.0	1.8
Confidence Value	-	1.6
Upper Bound CI	-	2.5
Lower Bound CI	-	-0.7
Total Record	Boat	Shore
Mean Catch (kg)	2.4	57.1
Standard Deviation	5.1	79.6
Confidence Value	2.0	33.3
Upper Bound CI	4.4	90.4
Lower Bound CI	0.3	23.9

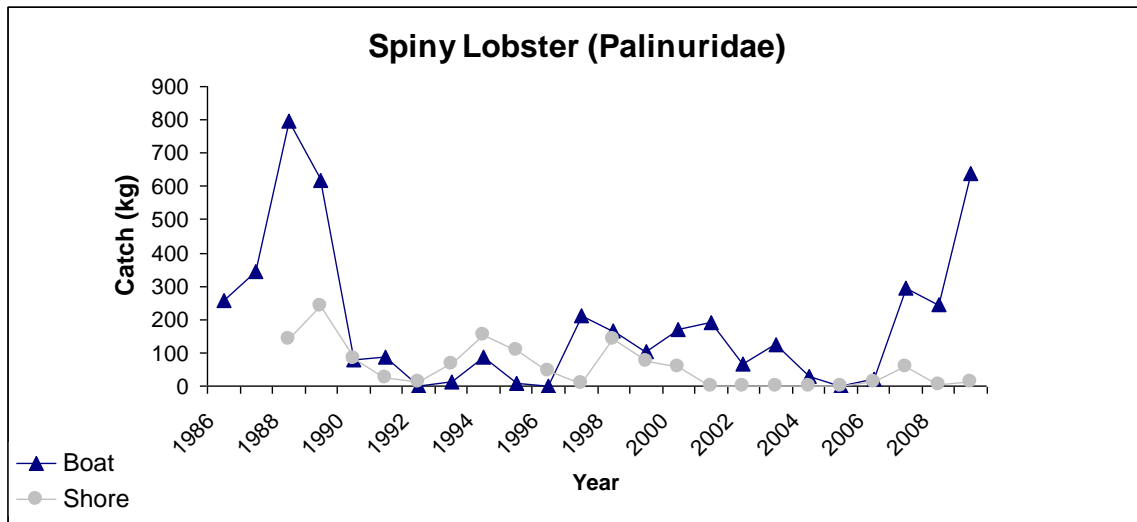
# MURAENIDAE



Last Five Years		Boat	Shore
Mean Catch (kg)		7.0	0.6
Standard Deviation		11.9	0.8
Confidence Value		10.4	0.7
Upper Bound CI		17.5	1.3
Lower Bound CI		-3.4	-0.1
Total Record		Boat	Shore
Mean Catch (kg)		1.9	3.6
Standard Deviation		6.0	5.1
Confidence Value		2.4	2.1
Upper Bound CI		4.3	5.7
Lower Bound CI		-0.5	1.5

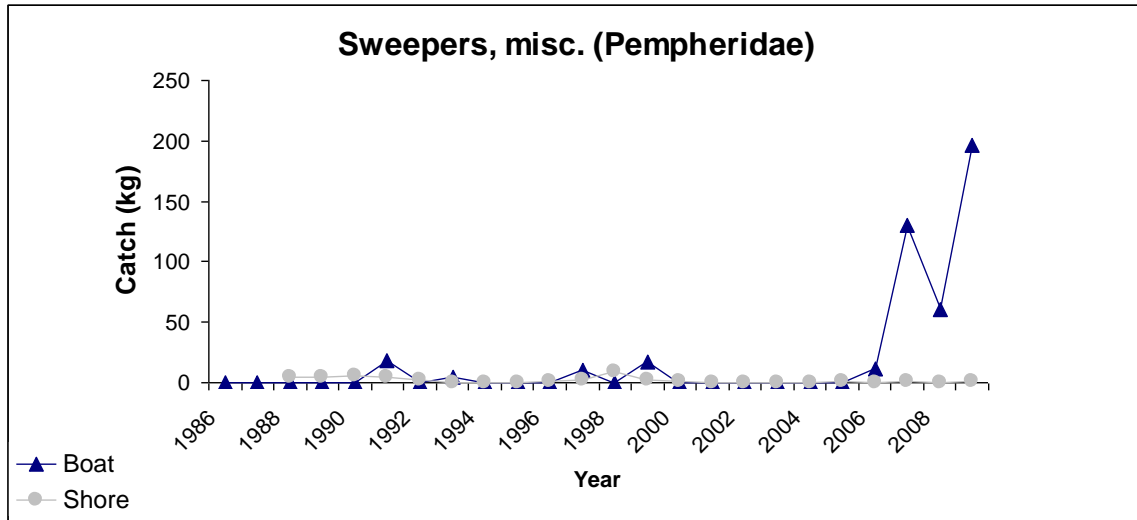


# PALINURIDAE



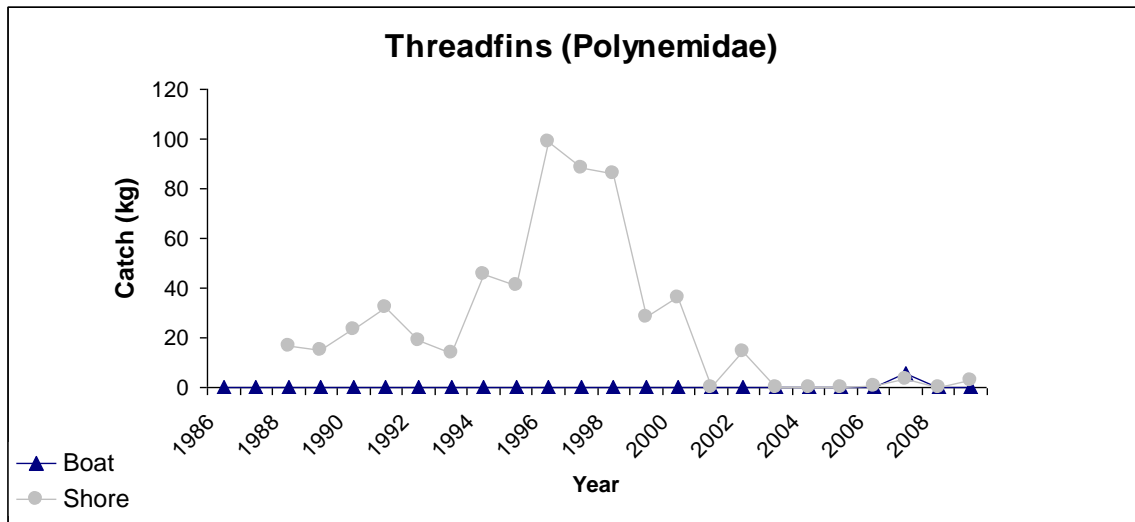
Last Five Years	Boat	Shore
Mean Catch (kg)	239.7	16.4
Standard Deviation	258.7	23.5
Confidence Value	226.8	20.6
Upper Bound CI	466.5	36.9
Lower Bound CI	12.9	-4.2
Total Record	Boat	Shore
Mean Catch (kg)	189.4	56.2
Standard Deviation	217.0	65.3
Confidence Value	86.8	27.3
Upper Bound CI	276.2	83.5
Lower Bound CI	102.6	28.9

# PEMPHERIDAE



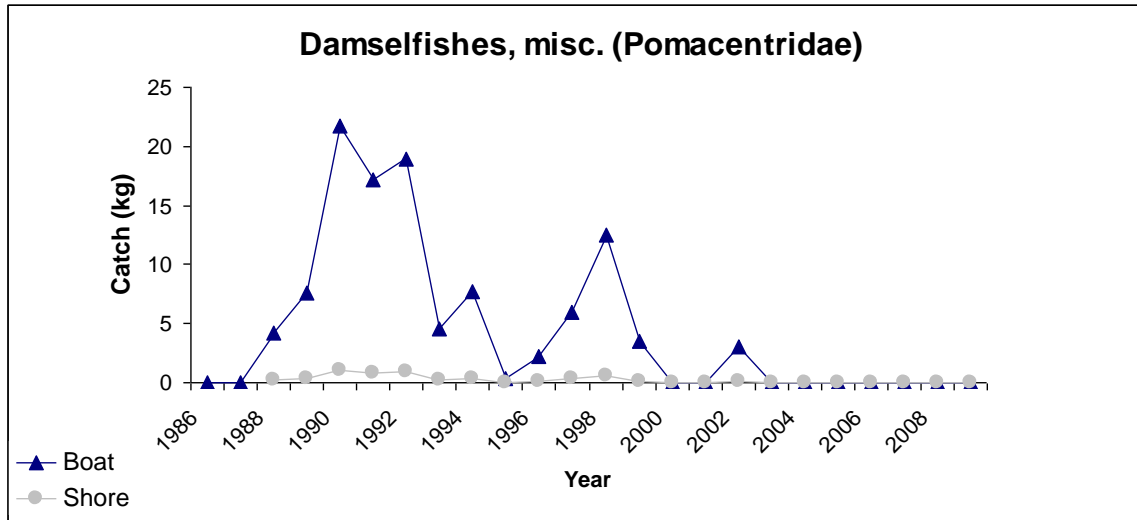
Last Five Years		
	Boat	Shore
Mean Catch (kg)	79.6	0.6
Standard Deviation	83.1	0.6
Confidence Value	72.9	0.5
Upper Bound CI	152.5	1.1
Lower Bound CI	6.8	0.1
Total Record		
	Boat	Shore
Mean Catch (kg)	18.7	1.9
Standard Deviation	47.4	2.5
Confidence Value	19.0	1.0
Upper Bound CI	37.7	2.9
Lower Bound CI	-0.3	0.9

# POLYNEMIDAE



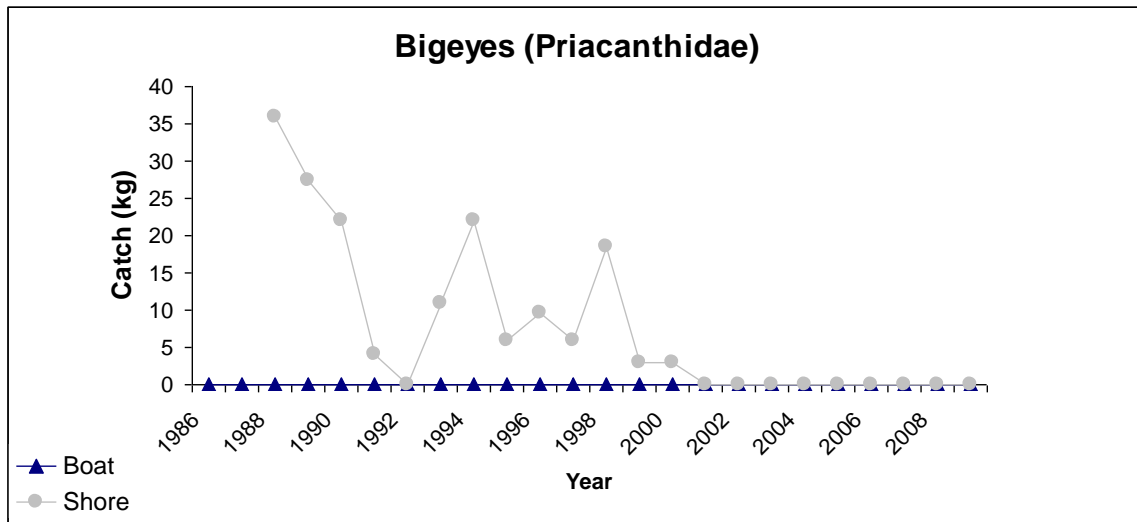
Last Five Years	Boat	Shore
Mean Catch (kg)	1.1	1.4
Standard Deviation	2.5	1.7
Confidence Value	2.2	1.5
Upper Bound CI	3.3	2.9
Lower Bound CI	-1.1	0.0
Total Record	Boat	Shore
Mean Catch (kg)	0.2	25.8
Standard Deviation	1.1	30.2
Confidence Value	0.5	12.6
Upper Bound CI	0.7	38.4
Lower Bound CI	-0.2	13.1

# POMACENTRIDAE



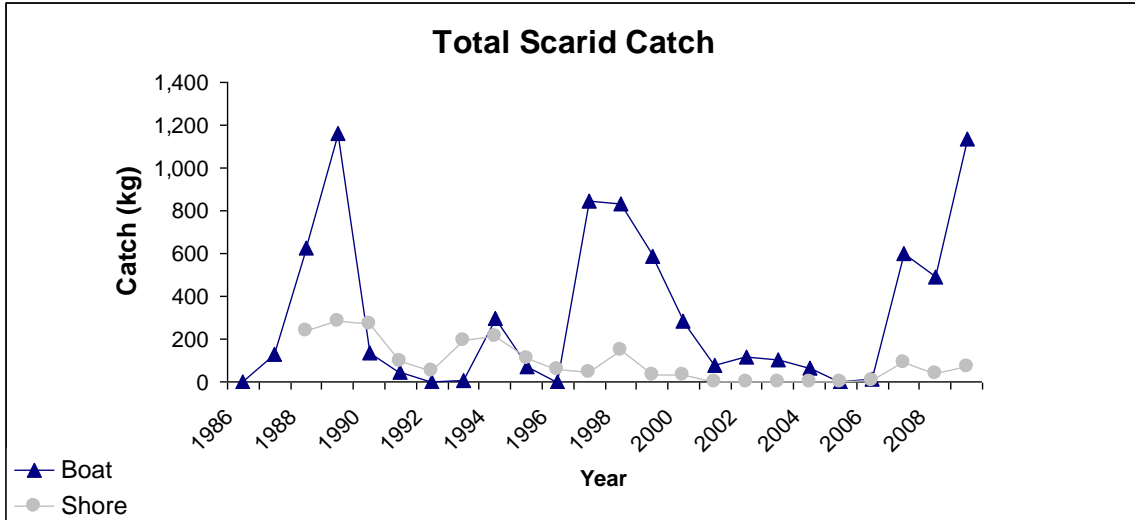
Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-
Total Record	Boat	Shore
Mean Catch (kg)	4.6	0.2
Standard Deviation	6.6	0.3
Confidence Value	2.6	0.1
Upper Bound CI	7.2	0.4
Lower Bound CI	1.9	0.1

# PRIACANTHIDAE

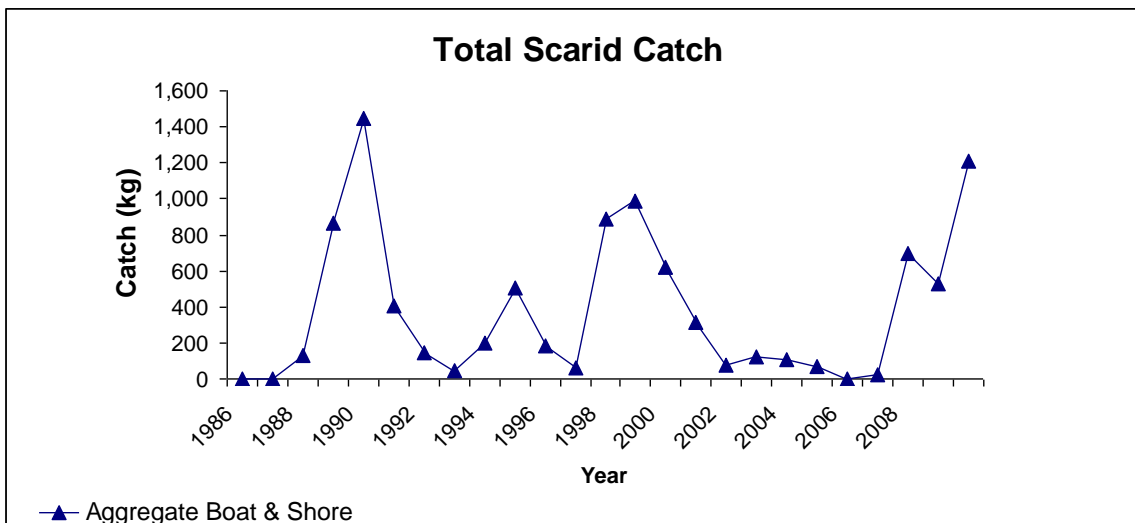


Last Five Years		Boat	Shore
Mean Catch (kg)		0.0	0.0
Standard Deviation		0.0	0.0
Confidence Value		-	-
Upper Bound CI		-	-
Lower Bound CI		-	-
Total Record		Boat	Shore
Mean Catch (kg)		0.0	7.7
Standard Deviation		0.0	10.7
Confidence Value		-	4.5
Upper Bound CI		-	12.1
Lower Bound CI		-	3.2

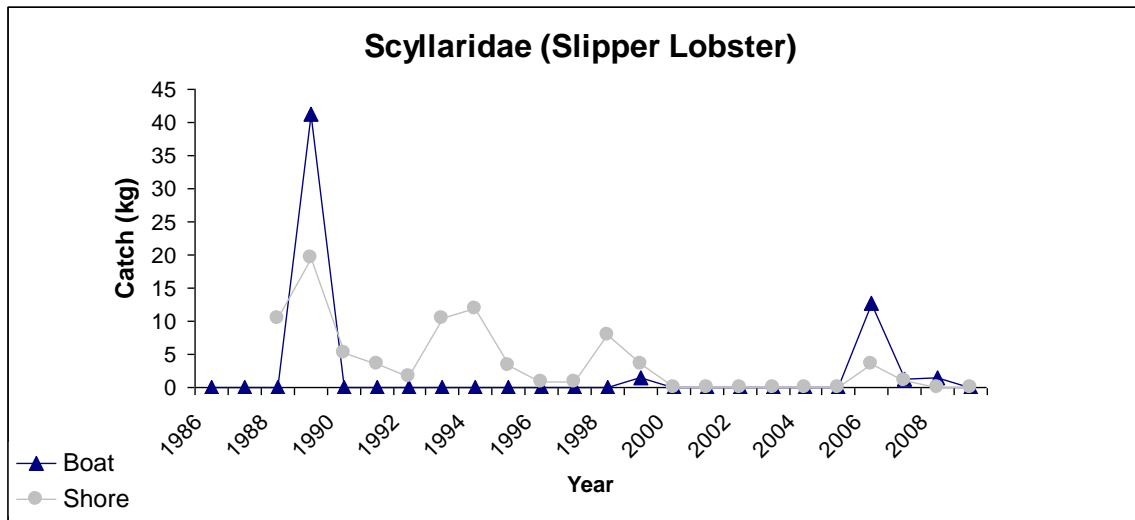
# SCARIDAE



Last Five Years	Boat	Shore
Mean Catch (kg)	448.9	41.5
Standard Deviation	471.4	38.4
Confidence Value	413.2	33.6
Upper Bound CI	862.1	75.1
Lower Bound CI	35.7	7.8
Total Record	Boat	Shore
Mean Catch (kg)	317.8	90.3
Standard Deviation	374.0	93.4
Confidence Value	149.6	39.0
Upper Bound CI	467.4	129.3
Lower Bound CI	168.2	51.3



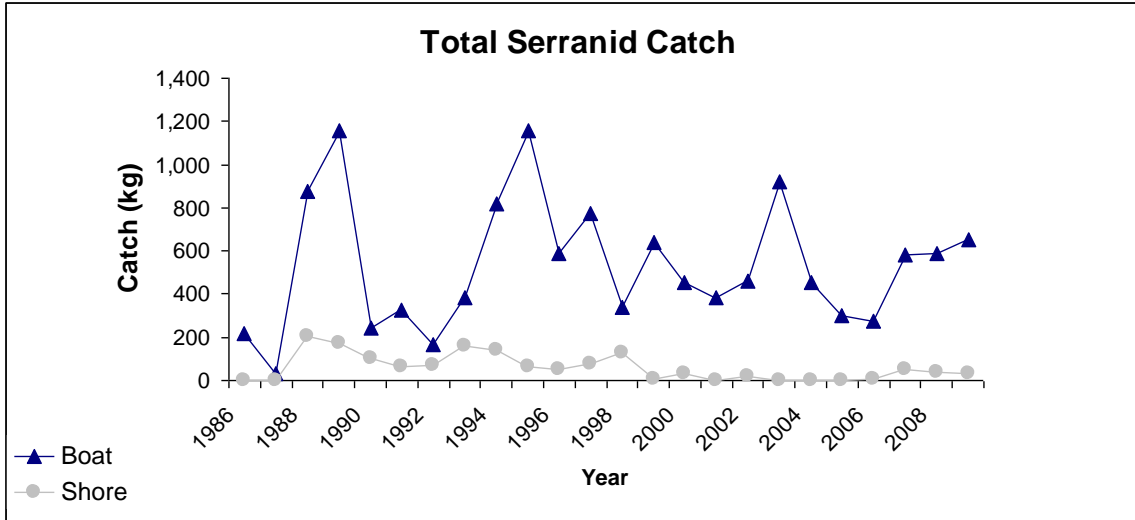
# SCYLLARIDAE



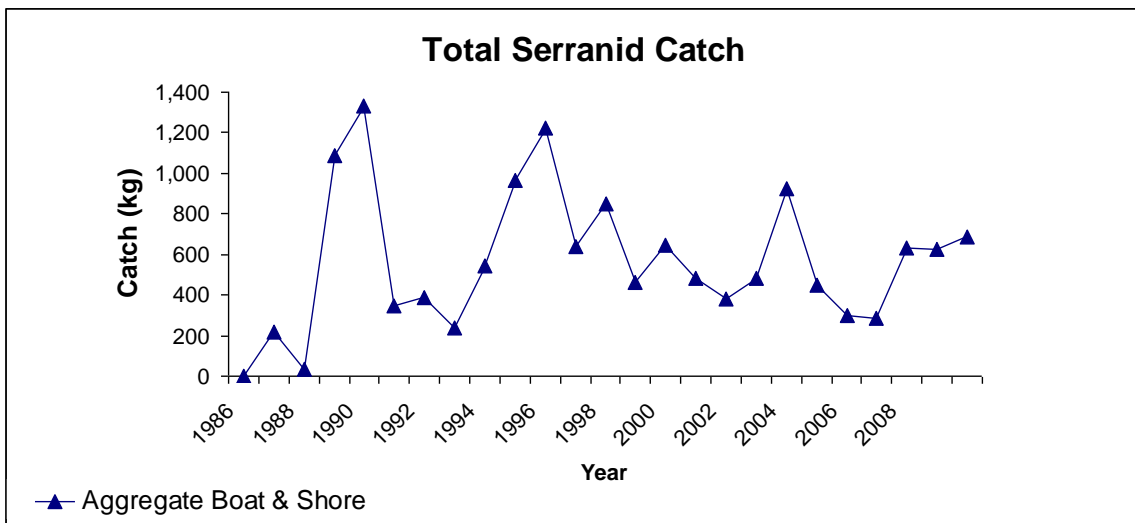
Last Five Years	Boat	Shore
Mean Catch (kg)	3.1	0.9
Standard Deviation	5.4	1.5
Confidence Value	4.8	1.3
Upper Bound CI	7.8	2.2
Lower Bound CI	-1.7	-0.4
Total Record	Boat	Shore
Mean Catch (kg)	2.4	3.8
Standard Deviation	8.7	5.2
Confidence Value	3.5	2.2
Upper Bound CI	5.9	6.0
Lower Bound CI	-1.1	1.6

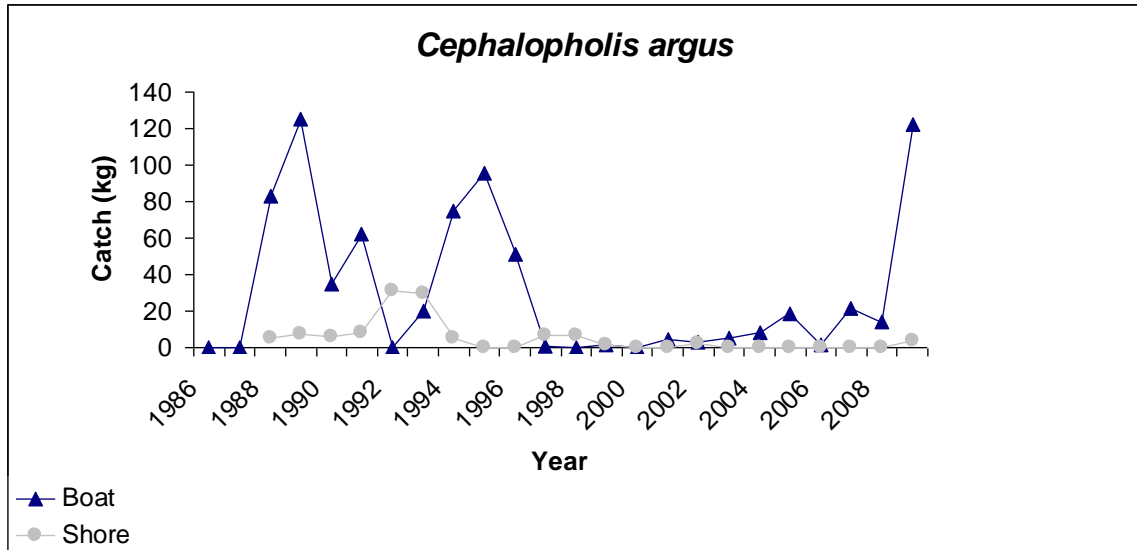


# SERRANIDAE

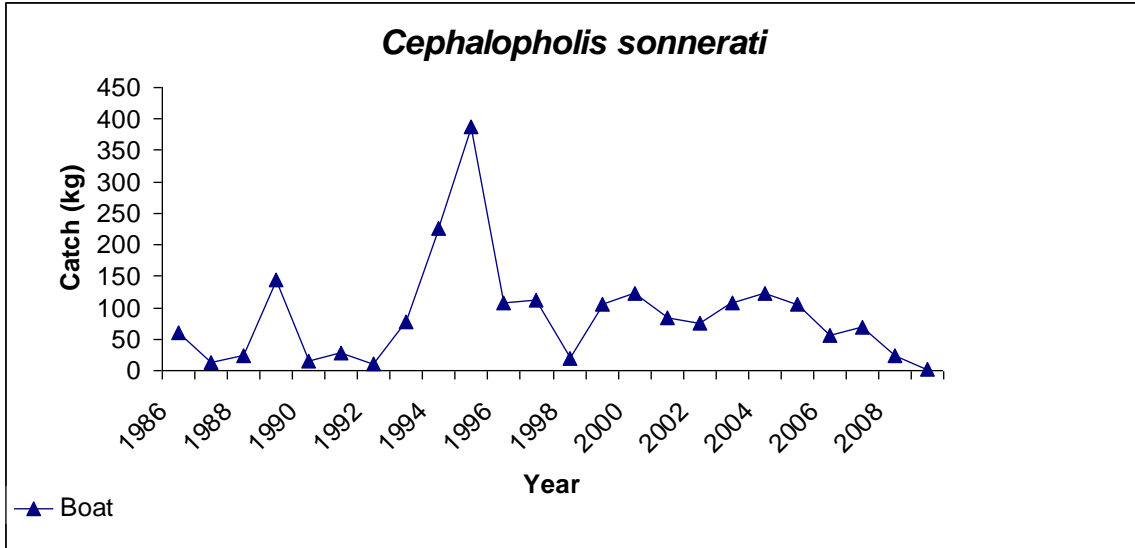


Last Five Years	Boat	Shore
Mean Catch (kg)	479.7	26.2
Standard Deviation	177.2	22.2
Confidence Value	155.3	19.5
Upper Bound CI	635.0	45.7
Lower Bound CI	324.4	6.7
Total Record	Boat	Shore
Mean Catch (kg)	532.8	59.4
Standard Deviation	299.0	62.0
Confidence Value	119.6	25.9
Upper Bound CI	652.4	85.3
Lower Bound CI	413.1	33.5

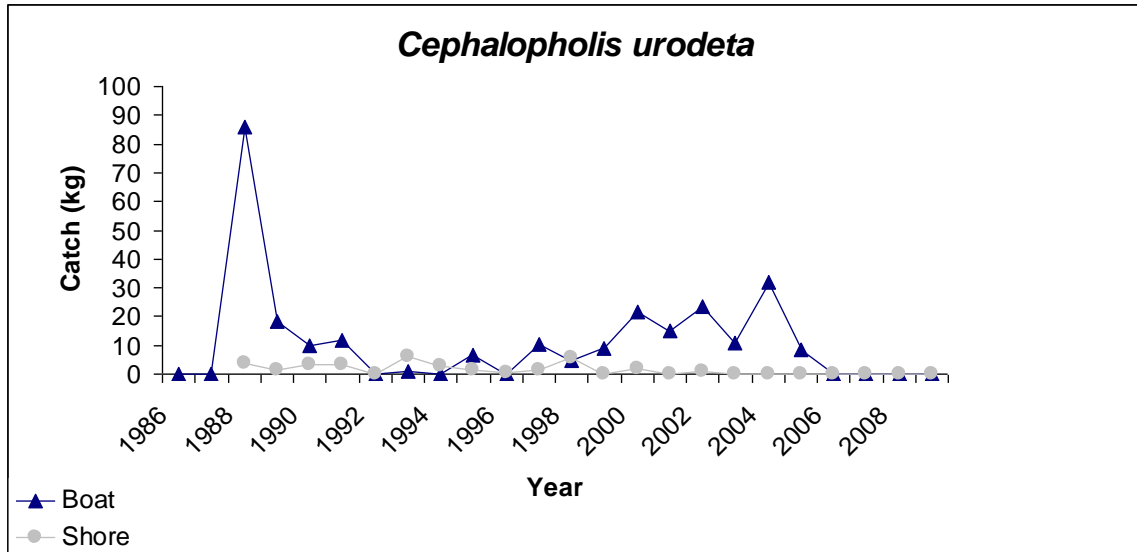




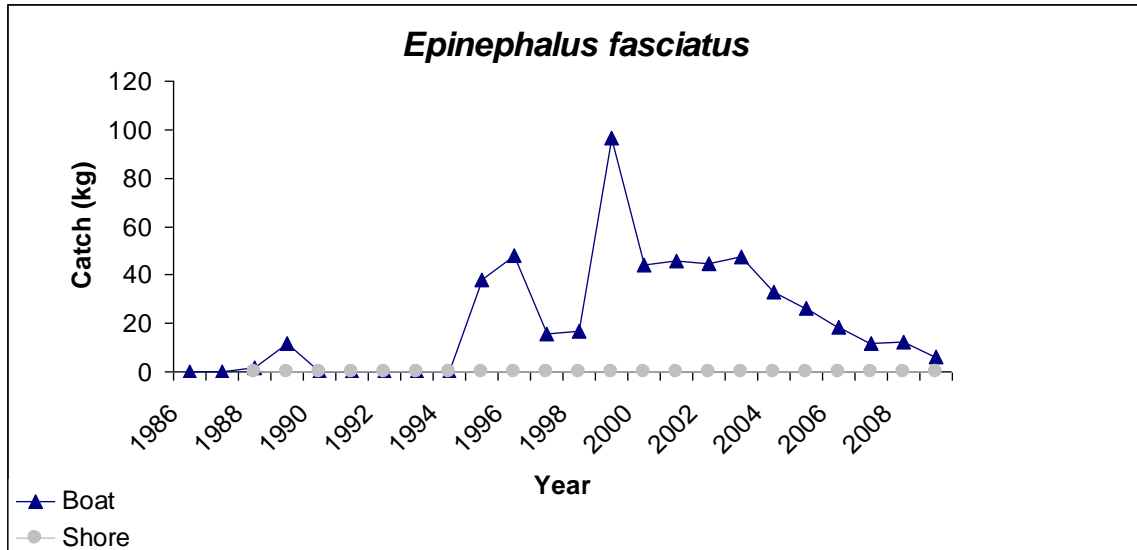
Last Five Years	Boat	Shore
Mean Catch (kg)	35.6	0.9
Standard Deviation	49.1	1.6
Confidence Value	43.0	1.4
Upper Bound CI	78.6	2.3
Lower Bound CI	-7.4	-0.5
Total Record	Boat	Shore
Mean Catch (kg)	31.1	5.3
Standard Deviation	40.8	8.7
Confidence Value	16.3	3.6
Upper Bound CI	47.4	8.9
Lower Bound CI	14.8	1.6



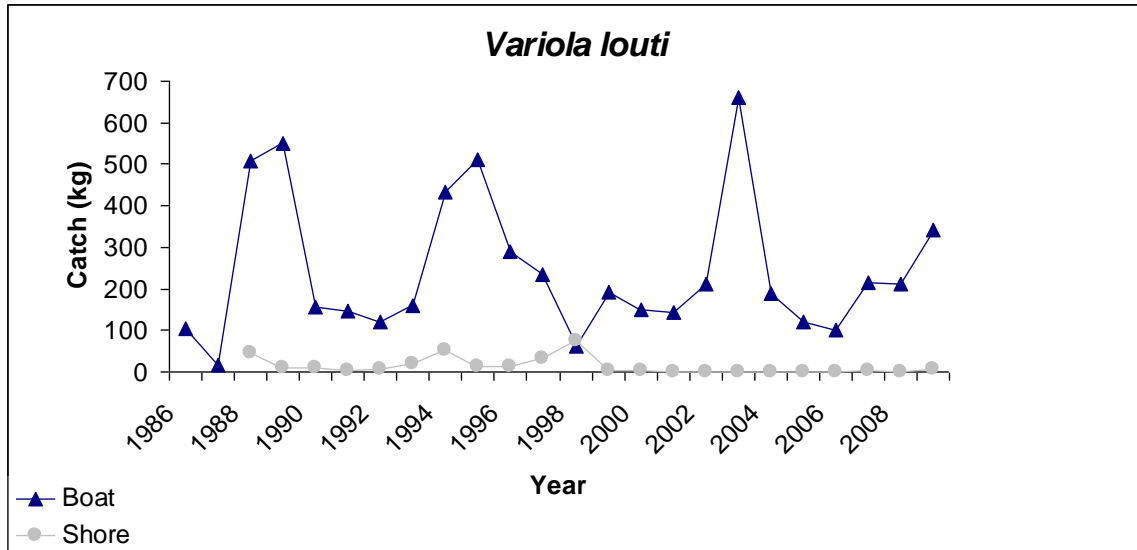
Last Five Years	Boat	Shore
Mean Catch (kg)	51.5	0.0
Standard Deviation	40.2	0.0
Confidence Value	35.2	-
Upper Bound CI	86.7	-
Lower Bound CI	16.3	-
Total Record	Boat	Shore
Mean Catch (kg)	87.3	0.0
Standard Deviation	83.3	0.0
Confidence Value	33.3	-
Upper Bound CI	120.6	-
Lower Bound CI	53.9	-



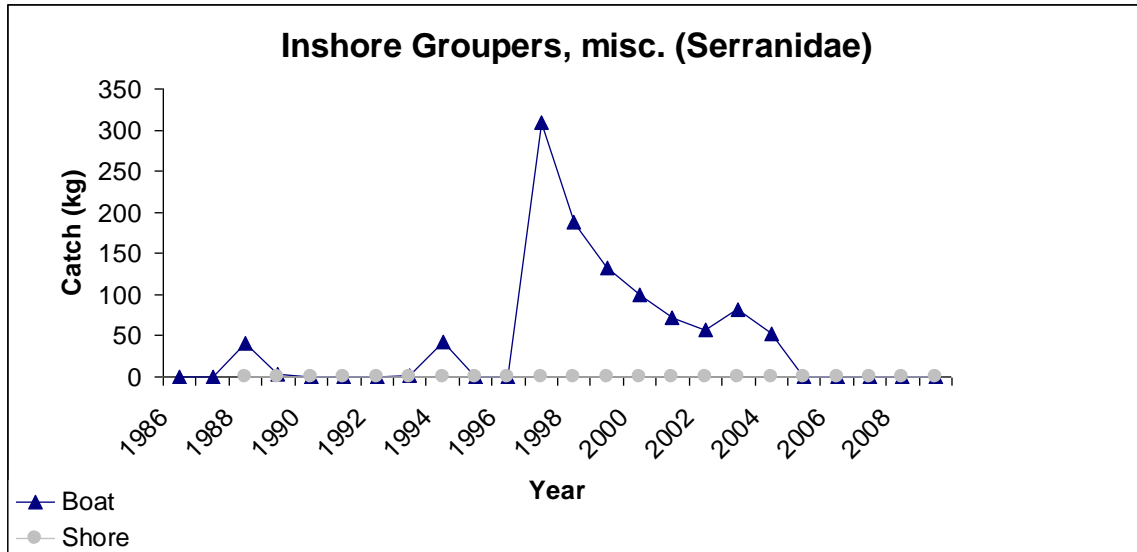
Last Five Years	Boat	Shore
Mean Catch (kg)	1.7	0.0
Standard Deviation	3.9	0.1
Confidence Value	3.4	0.1
Upper Bound CI	5.1	0.1
Lower Bound CI	-1.7	0.0
Total Record	Boat	Shore
Mean Catch (kg)	11.2	1.5
Standard Deviation	18.2	1.9
Confidence Value	7.3	0.8
Upper Bound CI	18.5	2.3
Lower Bound CI	3.9	0.7



Confidence Value	Boat	Shore
Mean Catch (kg)	15.0	0.0
Standard Deviation	7.8	0.0
Confidence Value	6.8	-
Upper Bound CI	21.9	-
Lower Bound CI	8.2	-
Total Record	Boat	Shore
Mean Catch (kg)	21.6	0.0
Standard Deviation	24.0	0.0
Confidence Value	9.6	-
Upper Bound CI	31.2	-
Lower Bound CI	12.0	-

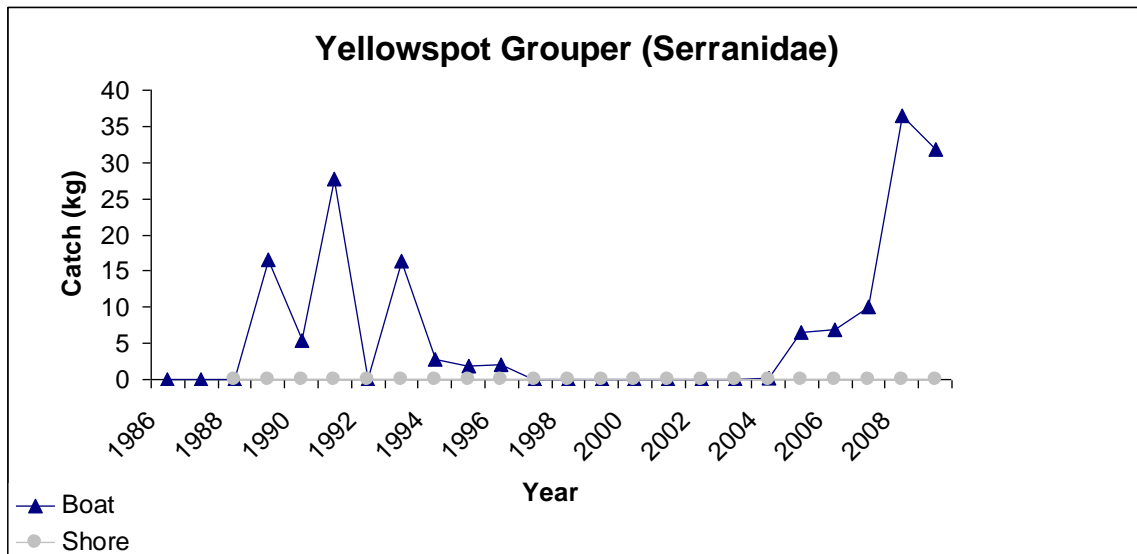


Last Five Years	Boat	Shore
Mean Catch (kg)	197.5	1.9
Standard Deviation	95.0	2.1
Confidence Value	83.3	1.8
Upper Bound CI	280.8	3.7
Lower Bound CI	114.3	0.0
Total Record	Boat	Shore
Mean Catch (kg)	242.9	13.5
Standard Deviation	169.7	20.2
Confidence Value	67.9	8.5
Upper Bound CI	310.8	21.9
Lower Bound CI	175.0	5.0

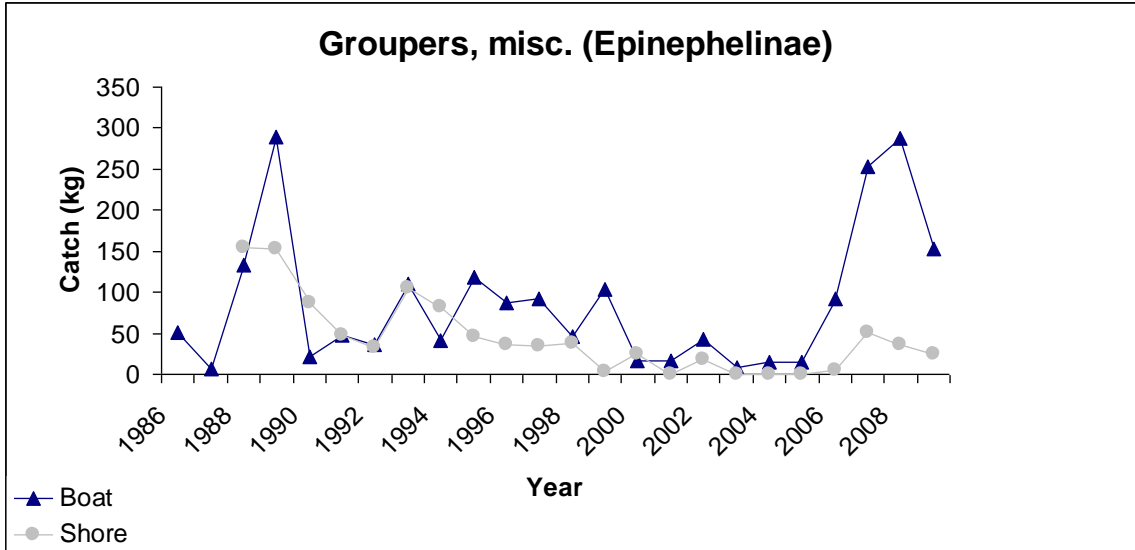


Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-
Total Record	Boat	Shore
Mean Catch (kg)	45.1	0.0
Standard Deviation	75.4	0.0
Confidence Value	30.1	-
Upper Bound CI	75.2	-
Lower Bound CI	14.9	-



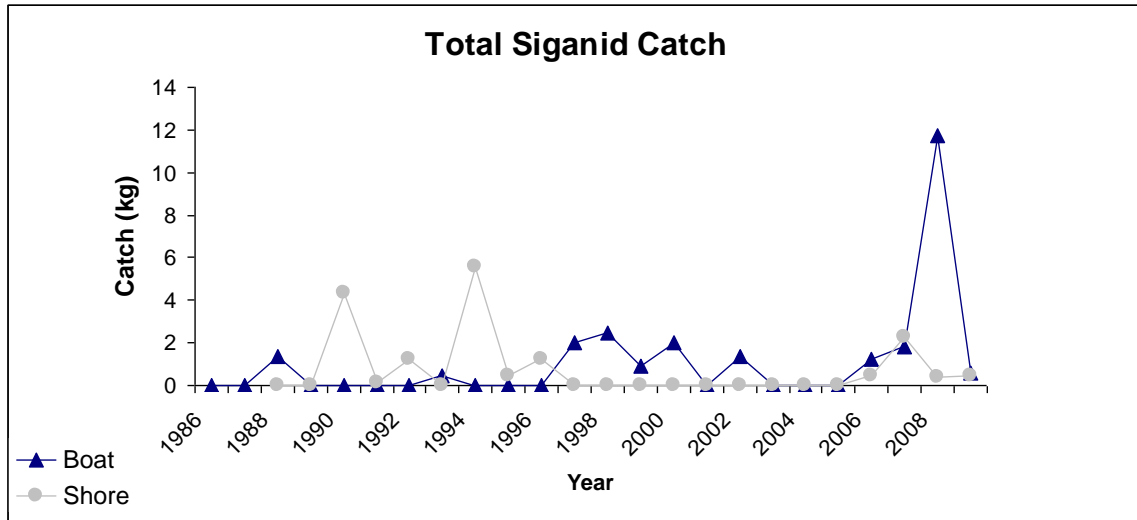


Last Five Years	Boat	Shore
Mean Catch (kg)	18.3	0.0
Standard Deviation	14.5	0.0
Confidence Value	12.8	-
Upper Bound CI	31.1	-
Lower Bound CI	5.6	-
Total Record	Boat	Shore
Mean Catch (kg)	6.9	0.0
Standard Deviation	11.0	0.0
Confidence Value	4.4	-
Upper Bound CI	11.2	-
Lower Bound CI	2.5	-



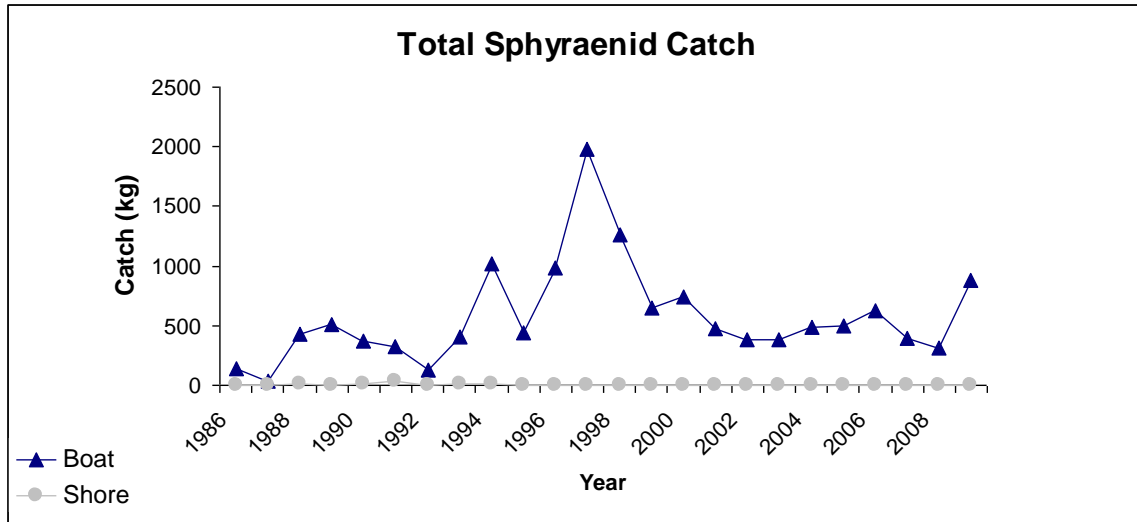
Last Five Years	Boat	Shore
Mean Catch (kg)	159.9	23.4
Standard Deviation	112.8	21.1
Confidence Value	98.9	18.5
Upper Bound CI	258.8	41.9
Lower Bound CI	61.0	4.9
Total Record	Boat	Shore
Mean Catch (kg)	86.7	44.6
Standard Deviation	84.9	45.7
Confidence Value	34.0	19.1
Upper Bound CI	120.7	63.7
Lower Bound CI	52.8	25.5

# SIGANIDAE

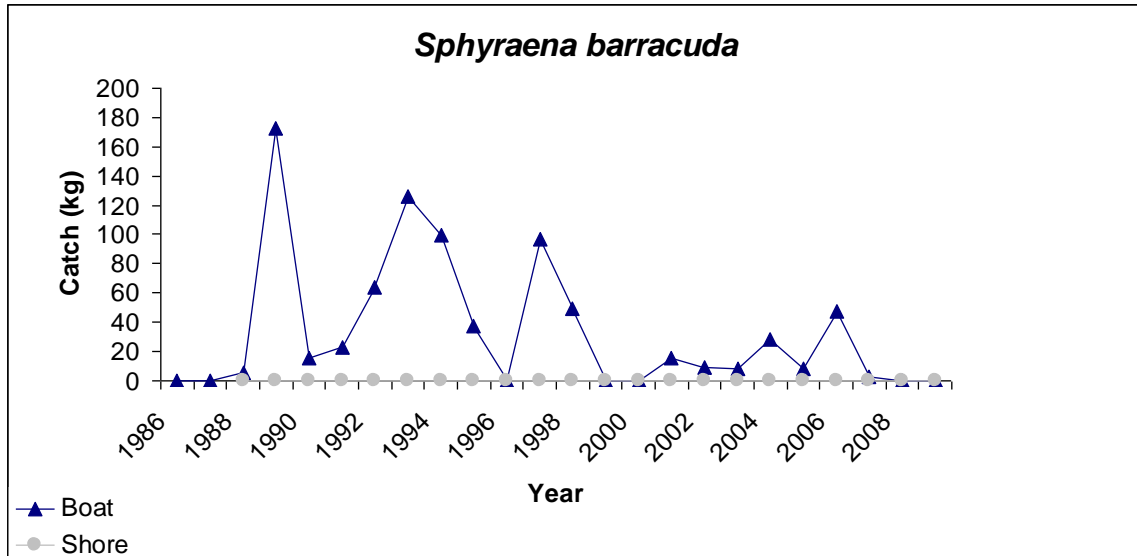


Last Five Years	Boat	Shore
Mean Catch (kg)	3.1	0.7
Standard Deviation	4.9	0.9
Confidence Value	4.3	0.8
Upper Bound CI	7.4	1.5
Lower Bound CI	-1.2	-0.1
Total Record	Boat	Shore
Mean Catch (kg)	1.1	0.8
Standard Deviation	2.4	1.5
Confidence Value	1.0	0.6
Upper Bound CI	2.1	1.4
Lower Bound CI	0.1	0.1

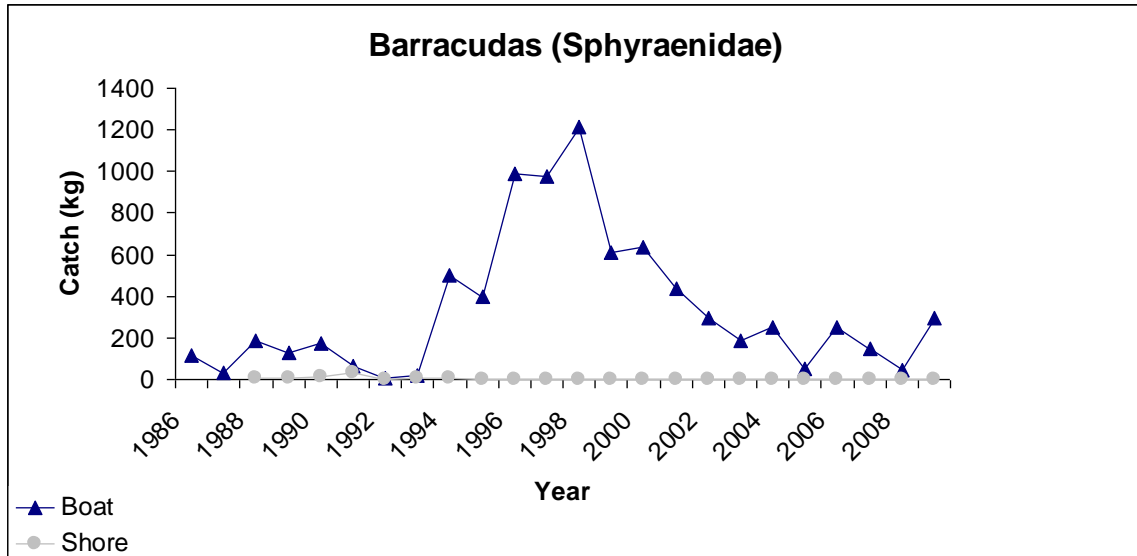
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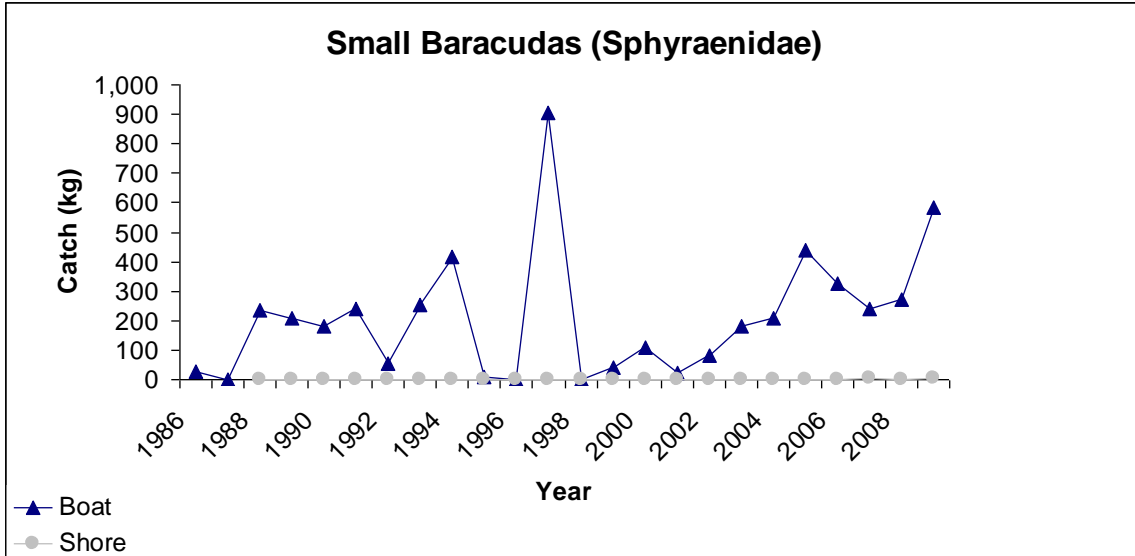
Last Five Years	Boat	Shore
Mean Catch (kg)	540.8	1.6
Standard Deviation	221.1	1.9
Confidence Value	193.8	1.7
Upper Bound CI	734.6	3.3
Lower Bound CI	347.0	0.0
Total Record	Boat	Shore
Mean Catch (kg)	576.8	3.0
Standard Deviation	417.0	6.4
Confidence Value	166.8	2.7
Upper Bound CI	743.6	5.7
Lower Bound CI	410.0	0.3



Last Five Years	Boat	Shore
Mean Catch (kg)	11.6	0.0
Standard Deviation	20.2	0.0
Confidence Value	17.7	-
Upper Bound CI	29.3	-
Lower Bound CI	-6.1	-
Total Record	Boat	Shore
Mean Catch (kg)	33.7	0.0
Standard Deviation	46.7	0.0
Confidence Value	18.7	-
Upper Bound CI	52.4	-
Lower Bound CI	15.1	-



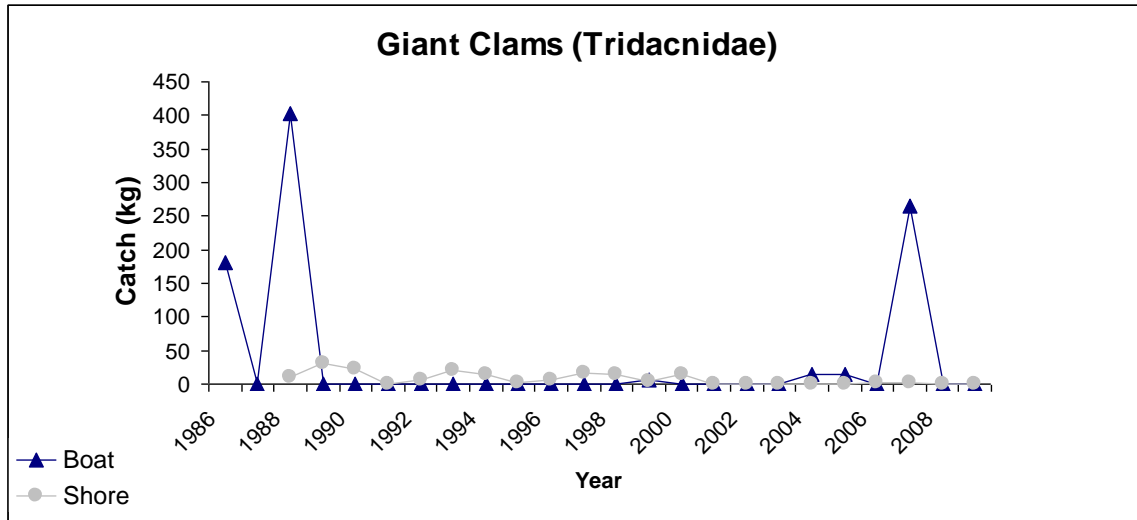
Last Five Years	Boat	Shore
Mean Catch (kg)	158.0	0.1
Standard Deviation	113.5	0.2
Confidence Value	99.5	0.2
Upper Bound CI	257.5	0.3
Lower Bound CI	58.5	-0.1
Total Record	Boat	Shore
Mean Catch (kg)	333.6	2.9
Standard Deviation	334.0	6.7
Confidence Value	133.6	2.8
Upper Bound CI	467.2	5.7
Lower Bound CI	199.9	0.1



Last Five Years	Boat	Shore
Mean Catch (kg)	371.2	1.5
Standard Deviation	140.4	2.0
Confidence Value	123.1	1.7
Upper Bound CI	494.3	3.3
Lower Bound CI	248.1	-0.2
Total Record	Boat	Shore
Mean Catch (kg)	209.5	0.3
Standard Deviation	215.1	1.1
Confidence Value	86.1	0.5
Upper Bound CI	295.5	0.8
Lower Bound CI	123.4	-0.1

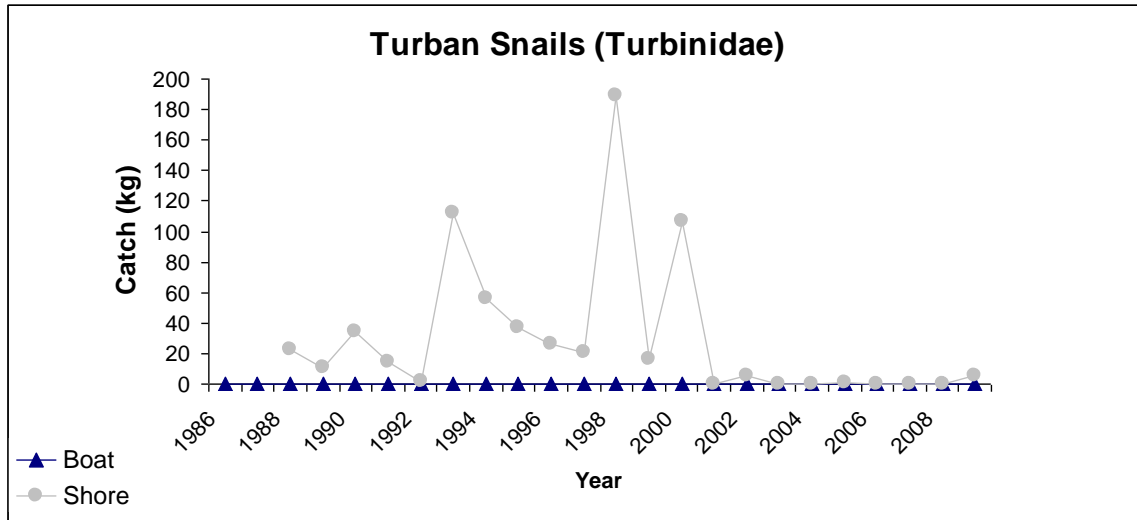


# TRIDACNIDAE



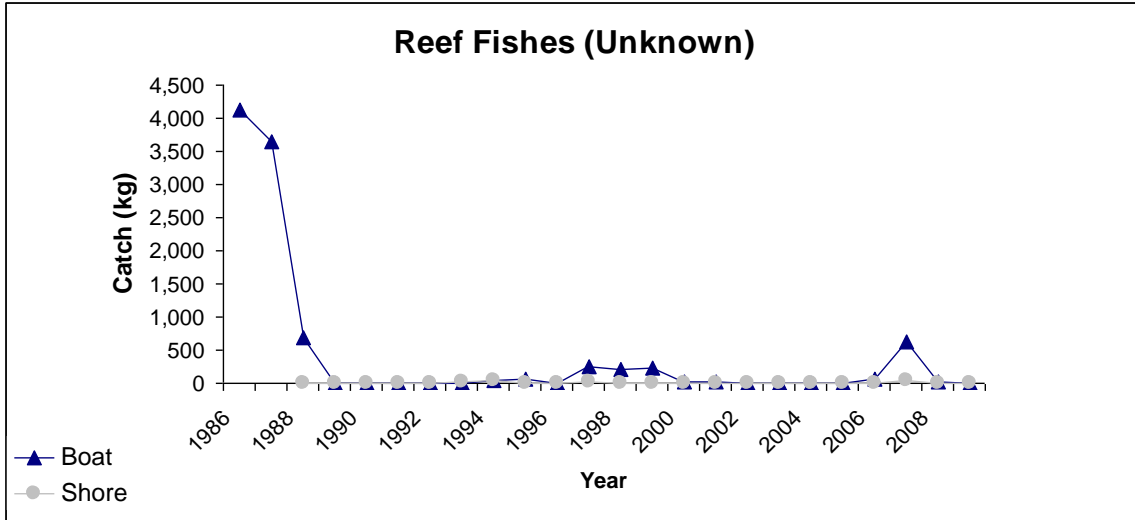
Last Five Years	Boat	Shore
Mean Catch (kg)	55.9	0.5
Standard Deviation	117.5	0.7
Confidence Value	103.0	0.6
Upper Bound CI	158.9	1.1
Lower Bound CI	-47.1	-0.1
Total Record	Boat	Shore
Mean Catch (kg)	36.8	7.4
Standard Deviation	100.9	9.1
Confidence Value	40.4	3.8
Upper Bound CI	77.2	11.2
Lower Bound CI	-3.6	3.6

# TURBINIDAE

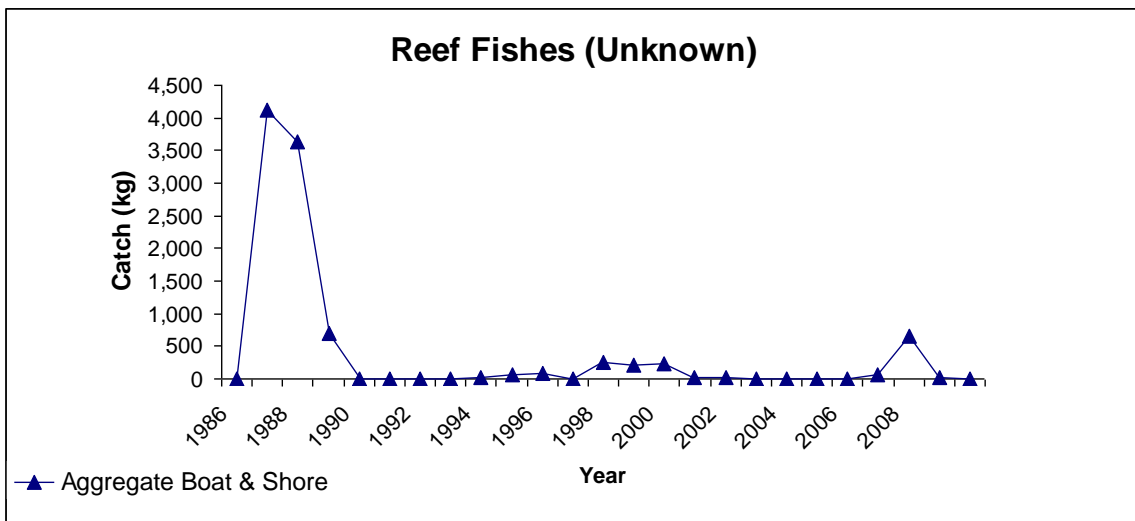


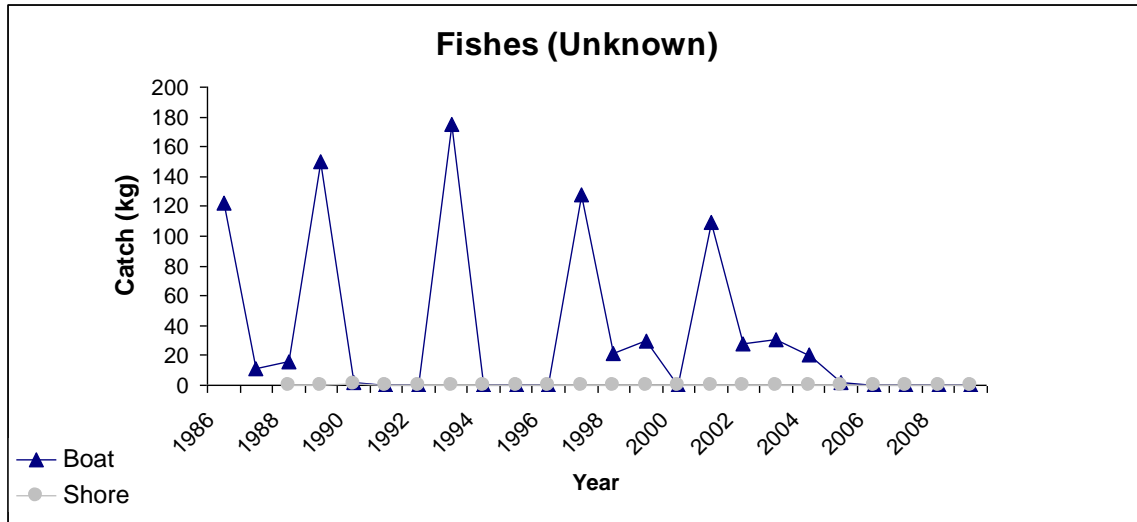
Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	1.2
Standard Deviation	0.0	2.3
Confidence Value	-	2.0
Upper Bound CI	-	3.2
Lower Bound CI	-	-0.8
Total Record	Boat	Shore
Mean Catch (kg)	0.0	30.0
Standard Deviation	0.0	47.8
Confidence Value	-	20.0
Upper Bound CI	-	50.0
Lower Bound CI	-	10.0

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Last Five Years	Boat	Shore
Mean Catch (kg)	141.4	8.5
Standard Deviation	268.2	18.5
Confidence Value	235.1	16.2
Upper Bound CI	376.5	24.8
Lower Bound CI	-93.7	-7.7
Total Record	Boat	Shore
Mean Catch (kg)	416.0	6.2
Standard Deviation	1,084.2	11.2
Confidence Value	433.8	4.7
Upper Bound CI	849.8	10.9
Lower Bound CI	-17.8	1.5





Last Five Years	Boat	Shore
Mean Catch (kg)	0.4	0.0
Standard Deviation	1.0	0.0
Confidence Value	0.8	-
Upper Bound CI	1.3	-
Lower Bound CI	-0.4	-
Total Record	Boat	Shore
Mean Catch (kg)	35.2	0.0
Standard Deviation	55.3	0.2
Confidence Value	22.1	0.1
Upper Bound CI	57.3	0.1
Lower Bound CI	13.0	0.0

## Appendix 2A: Biomass and Catch Statistics, CNMI

Table 11. Ecological and fishery statistics for CNMI.

	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	Lethrinidae
RAMP Biomass, Rota to FDM, 2009	495,494	13,718	102,015	56,113	5,470	110,236	53,230
RAMP Biomass Estimate, Rota to Northern Islands, 2009	1,192,463	209,320	384,078	138,846	78,265	225,073	120,470
Average Annual Catch from Expanded Creel Survey Data, 2005-2008	7,811	20,350	988	1,937	777	1,823	28,715
Percentage Exploited (Biomass from Rota to FDM)	1.58	148.34	0.97	3.45	14.20	1.65	53.94
Percentage Exploited (Biomass from Rota to Northern Islands)	0.66	9.72	0.26	1.40	0.99	0.81	23.84
Family Trophic Score, Weighted for Relative Abundance of Component Species (Based on Catch Record)	2.31	3.71	4.20 <sup>1</sup>	3.56 <sup>1</sup>	2.30 <sup>2</sup>	3.91	3.62

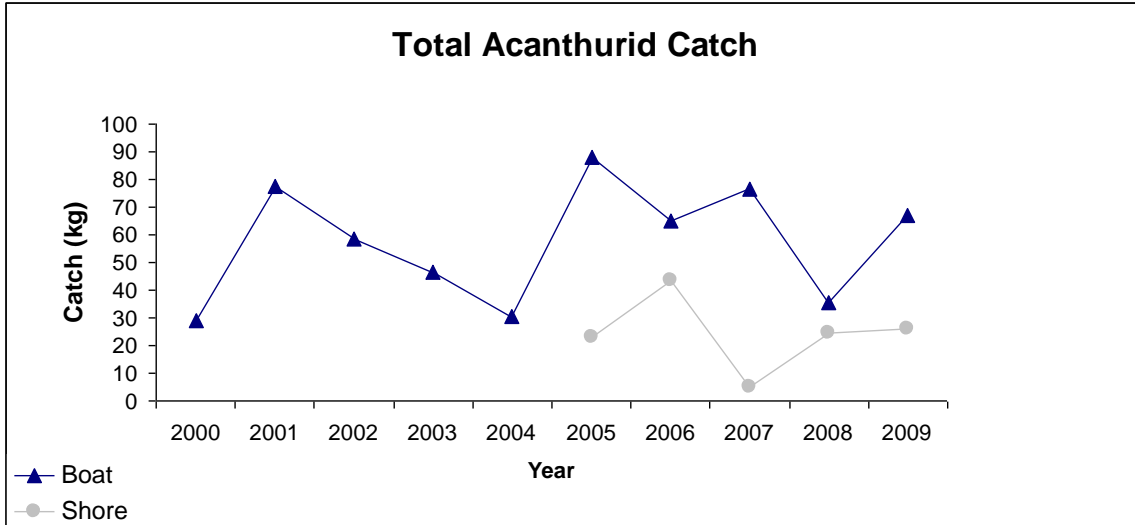
	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total
RAMP Biomass, Rota to FDM, 2009	97,448	37,229	192,545	119,306	428,379	1,711,183
RAMP Biomass Estimate, Rota to Northern Islands, 2009	726,488	69,027	487,454	353,300	1,104,155	5,088,940
Average Annual Catch from Expanded Creel Survey Data, 2005-2008	4,179	5,637	5,520	4,581	15,249	97,565
Percentage Exploited (Biomass from Rota to FDM)	4.29	15.14	2.87	3.84	3.56	5.70
Percentage Exploited (Biomass from Rota to Northern Islands)	0.58	8.17	1.13	1.30	1.38	1.92
Family Trophic Score, Weighted for Relative Abundance of Component Species (Based on Catch Record)	3.60	3.22	2.00 <sup>3</sup>	3.54	-	-

<sup>1</sup>No individual species data available so trophic score was calculated by averaging trophic score of species known to exist in CNMI.<sup>2</sup>Only 1 species used in calculation.<sup>3</sup>No species data, but the value presented here is the clear mode of the family.

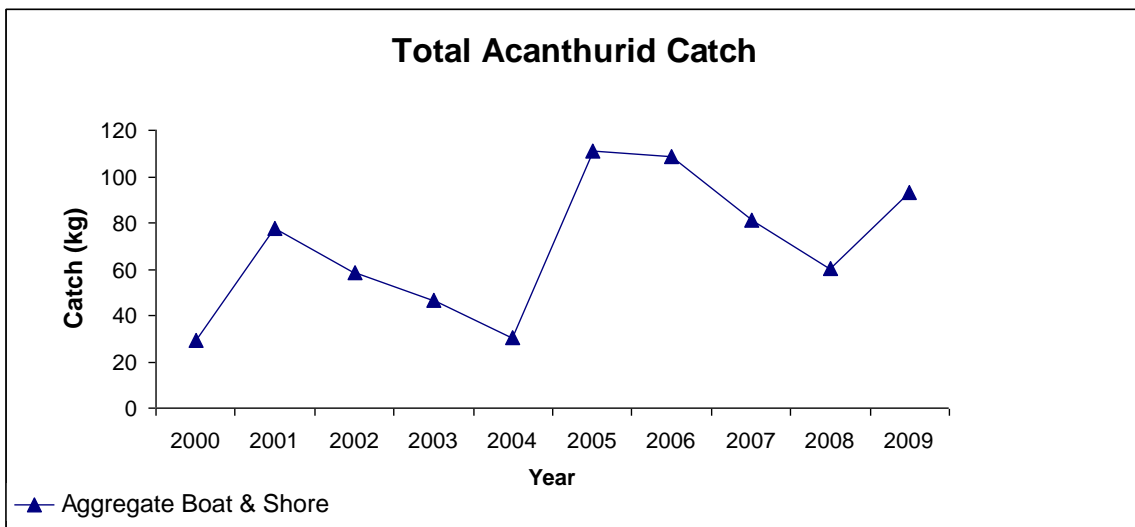
## Appendix 2B: Family and Species Catch Charts, CNMI

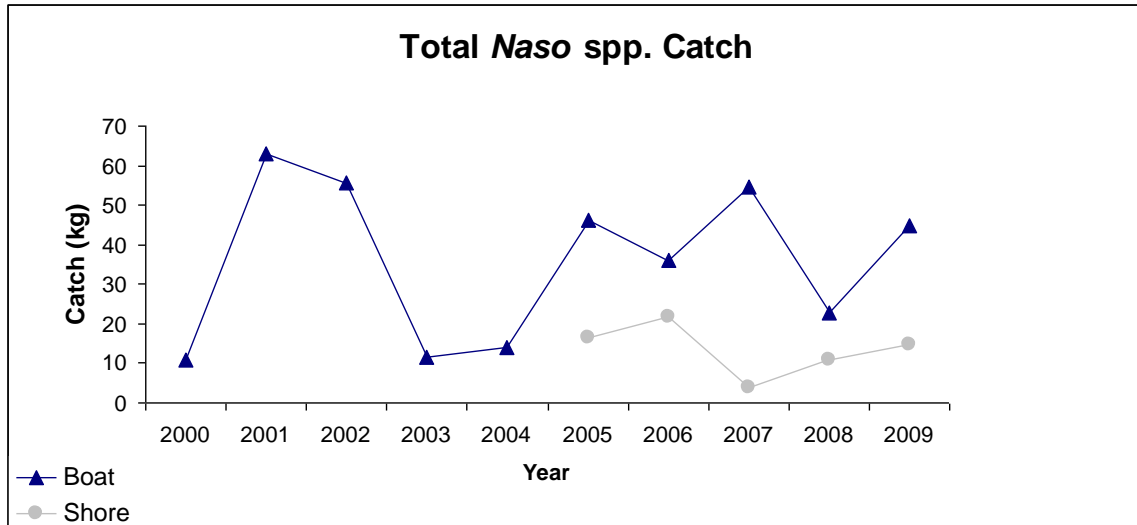


# ACANTHURIDAE

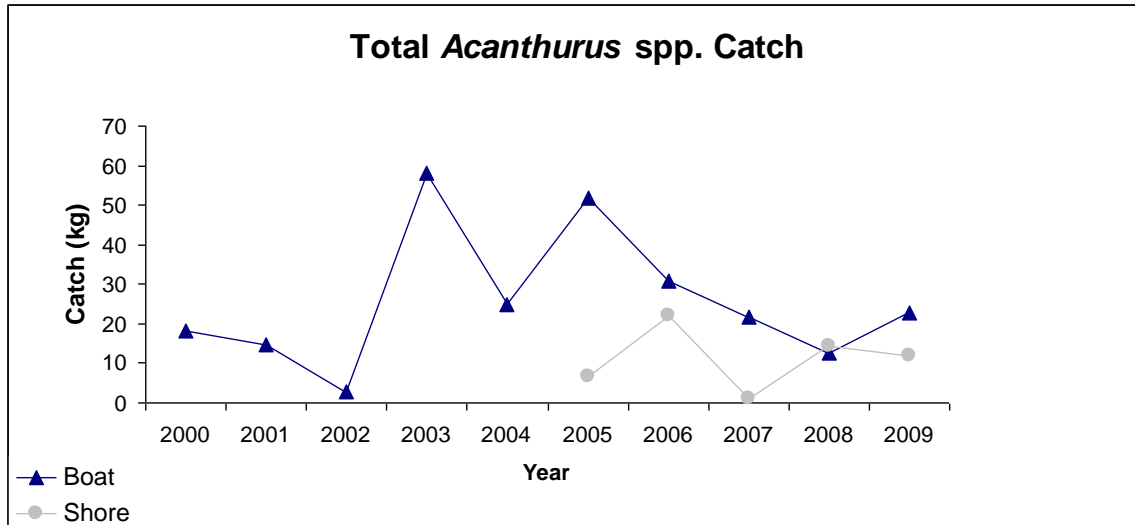


Last Five Years	Boat	Shore
Mean Catch (kg)	66.4	24.4
Standard Deviation	19.6	13.7
Confidence Value	17.2	12.0
Upper Bound CI	83.6	36.4
Lower Bound CI	49.3	12.4
Total Record	Boat	Shore
Mean Catch (kg)	57.4	24.4
Standard Deviation	21.1	13.7
Confidence Value	13.1	12.0
Upper Bound CI	70.5	36.4
Lower Bound CI	44.4	12.4

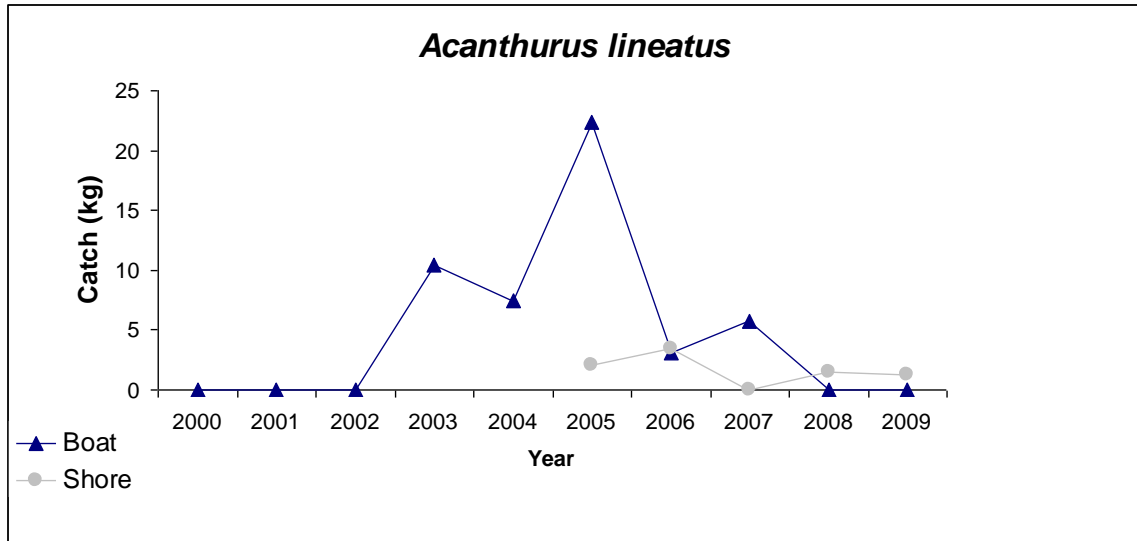




Last Five Years		
	Boat	Shore
Mean Catch (kg)	40.9	13.5
Standard Deviation	12.1	6.6
Confidence Value	10.6	5.8
Upper Bound CI	51.5	19.3
Lower Bound CI	30.3	7.6
Total Record		
	Boat	Shore
Mean Catch (kg)	35.9	13.5
Standard Deviation	19.8	6.6
Confidence Value	12.3	5.8
Upper Bound CI	48.2	19.3
Lower Bound CI	23.7	7.6



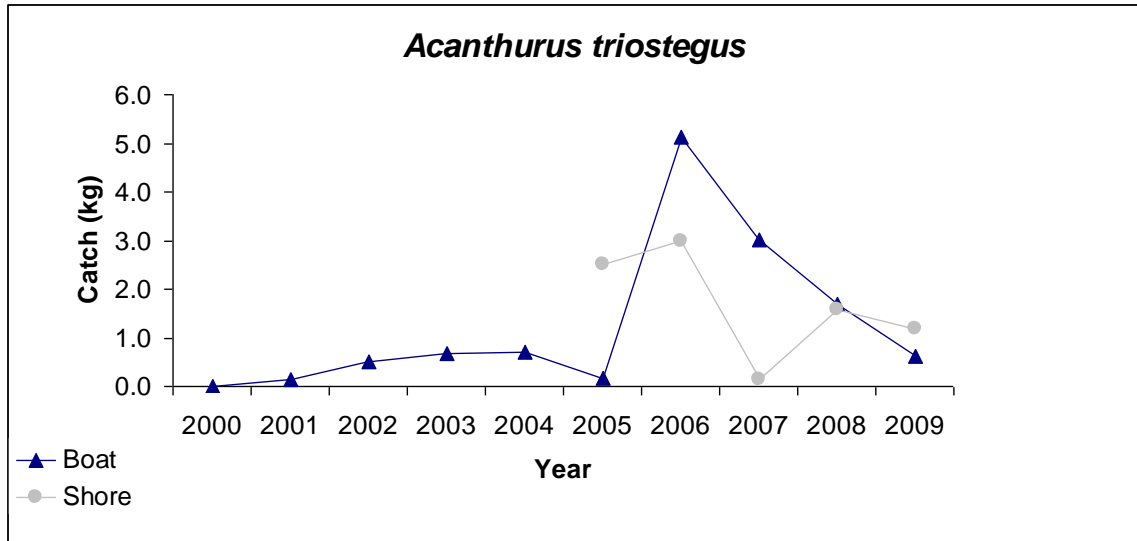
Last Five Years	Boat	Shore
Mean Catch (kg)	27.9	11.2
Standard Deviation	14.8	8.0
Confidence Value	13.0	7.0
Upper Bound CI	40.8	18.2
Lower Bound CI	14.9	4.2
Total Record	Boat	Shore
Mean Catch (kg)	25.8	11.2
Standard Deviation	17.2	8.0
Confidence Value	10.6	7.0
Upper Bound CI	36.5	18.2
Lower Bound CI	15.2	4.2



Total Record	Boat	Shore
Mean Catch (kg)	4.9	1.6
Standard Deviation	7.2	1.2
Confidence Value	4.5	1.1
Upper Bound CI	9.4	2.7
Lower Bound CI	0.4	0.6

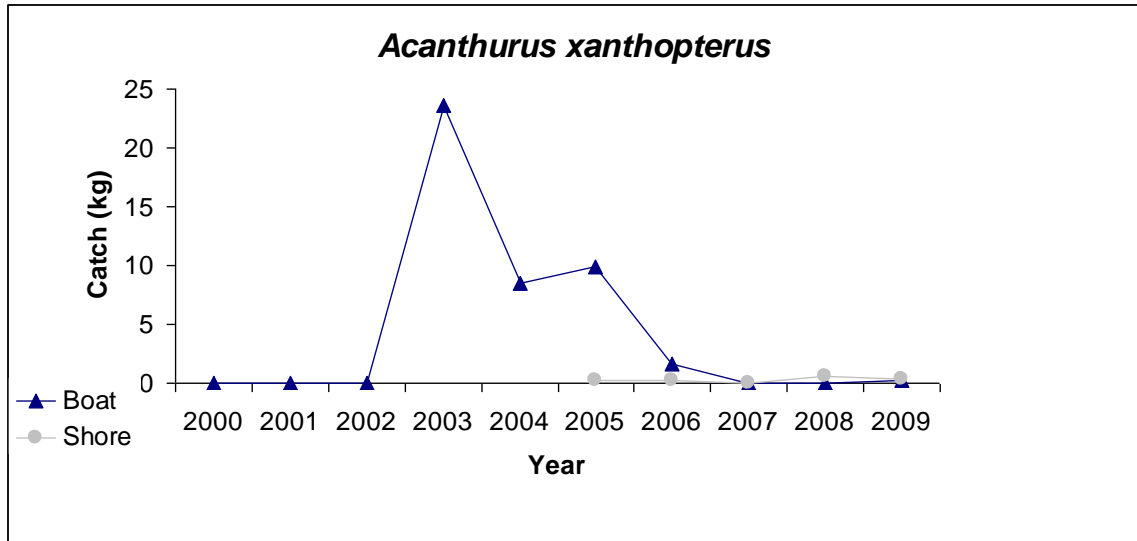
Last Five Years	Boat	Shore
Mean Catch (kg)	6.2	1.6
Standard Deviation	9.3	1.2
Confidence Value	8.2	1.1
Upper Bound CI	14.4	2.7
Lower Bound CI	-2.0	0.6



Total Record	Boat	Shore
Mean Catch (kg)	1.3	1.7
Standard Deviation	1.6	1.1
Confidence Value	1.0	1.0
Upper Bound CI	2.3	2.7
Lower Bound CI	0.3	0.7

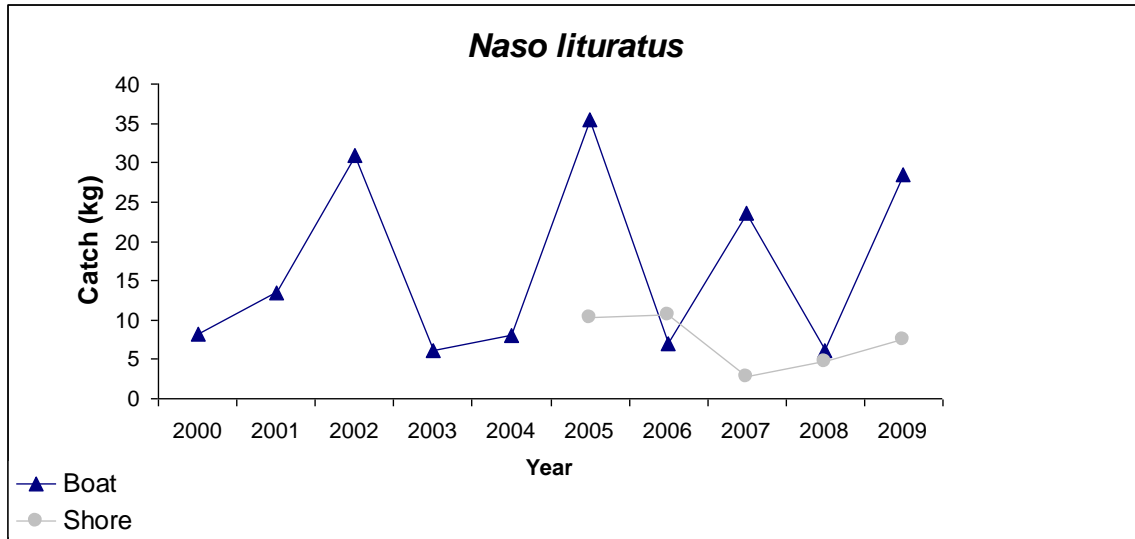
Last Five Years	Boat	Shore
Mean Catch (kg)	2.1	1.7
Standard Deviation	2.0	1.1
Confidence Value	1.8	1.0
Upper Bound CI	3.9	2.7
Lower Bound CI	0.4	0.7



Total Record	Boat	Shore
Mean Catch (kg)	4.4	0.3
Standard Deviation	7.7	0.2
Confidence Value	4.8	0.2
Upper Bound CI	9.2	0.5
Lower Bound CI	-0.4	0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	2.3	0.3
Standard Deviation	4.3	0.2
Confidence Value	3.8	0.2
Upper Bound CI	6.1	0.5
Lower Bound CI	-1.4	0.1

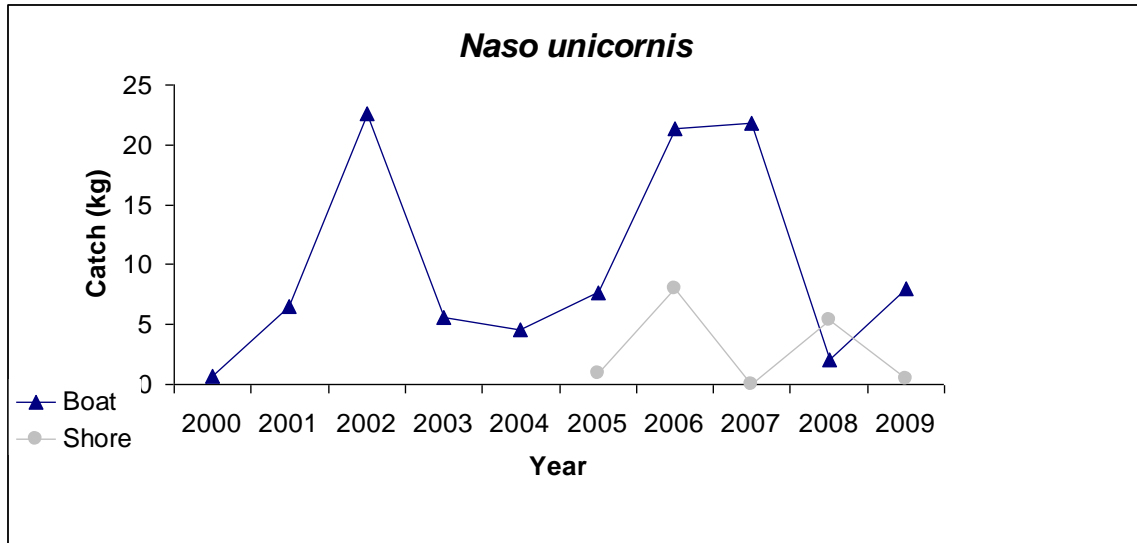


Total Record	Boat	Shore
Mean Catch (kg)	16.7	7.2
Standard Deviation	11.6	3.5
Confidence Value	7.2	3.0
Upper Bound CI	23.9	10.3
Lower Bound CI	9.5	4.2

Last Five Years	Boat	Shore
Mean Catch (kg)	20.1	7.2
Standard Deviation	13.1	3.5
Confidence Value	11.5	3.0
Upper Bound CI	31.6	10.3
Lower Bound CI	8.6	4.2

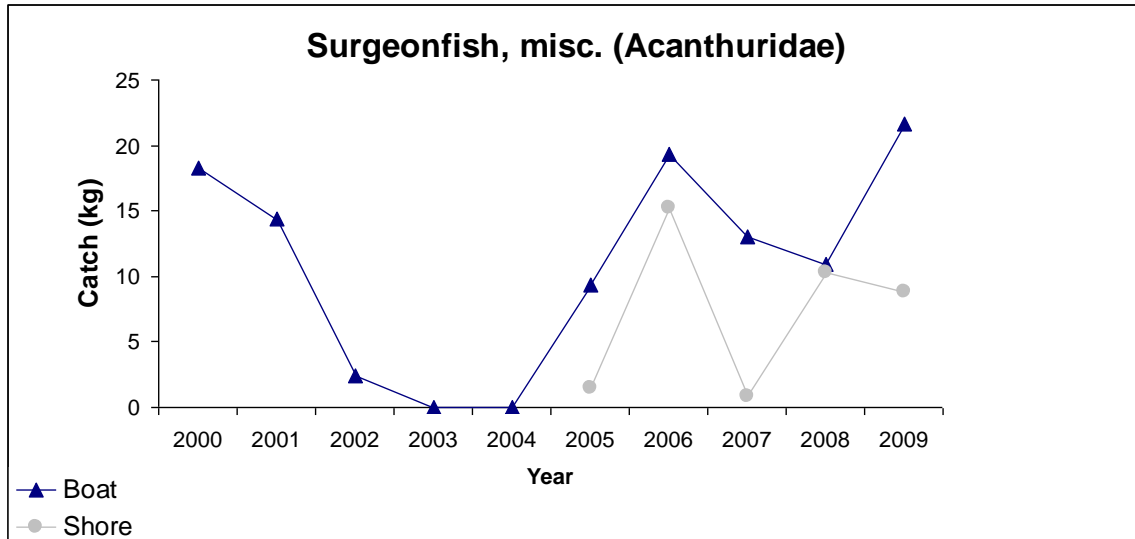




Total Record	Boat	Shore
Mean Catch (kg)	10.1	2.9
Standard Deviation	8.5	3.5
Confidence Value	5.2	3.1
Upper Bound CI	15.3	6.0
Lower Bound CI	4.8	-0.2

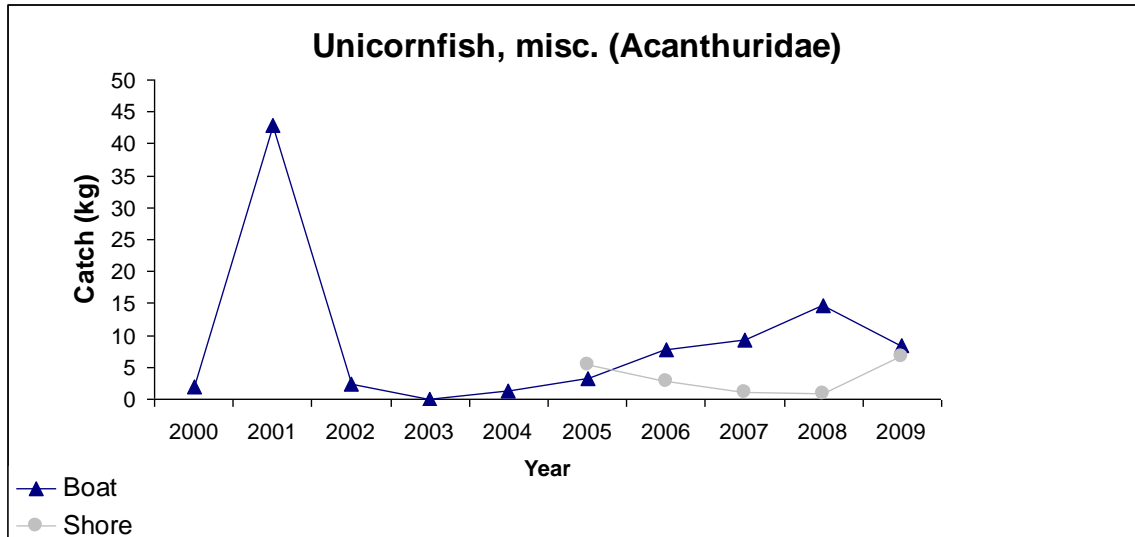
Last Five Years	Boat	Shore
Mean Catch (kg)	12.2	2.9
Standard Deviation	8.9	3.5
Confidence Value	7.8	3.1
Upper Bound CI	19.9	6.0
Lower Bound CI	4.4	-0.2



Total Record	Boat	Shore
Mean Catch (kg)	10.9	7.3
Standard Deviation	8.0	6.1
Confidence Value	4.9	5.4
Upper Bound CI	15.9	12.7
Lower Bound CI	6.0	2.0

Last Five Years	Boat	Shore
Mean Catch (kg)	14.8	7.3
Standard Deviation	5.4	6.1
Confidence Value	4.7	5.4
Upper Bound CI	19.5	12.7
Lower Bound CI	10.1	2.0

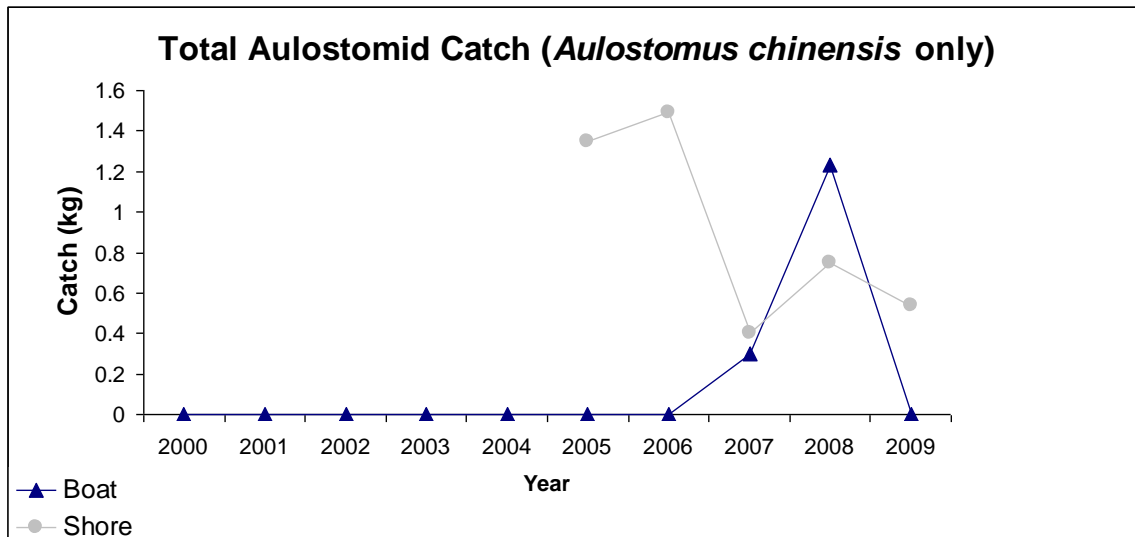


Total Record	Boat	Shore
Mean Catch (kg)	9.2	3.3
Standard Deviation	12.7	2.6
Confidence Value	7.9	2.3
Upper Bound CI	17.0	5.6
Lower Bound CI	1.3	1.0

Last Five Years	Boat	Shore
Mean Catch (kg)	8.6	3.3
Standard Deviation	4.1	2.6
Confidence Value	3.6	2.3
Upper Bound CI	12.2	5.6
Lower Bound CI	5.0	1.0

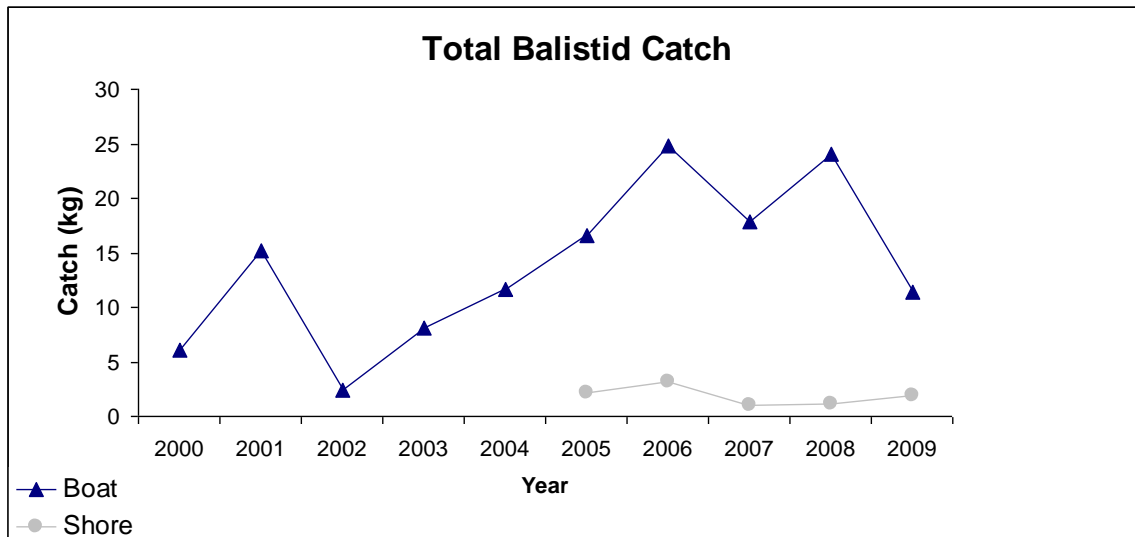
# AULOSTOMIDAE



Total Record	Boat	Shore
Mean Catch (kg)	0.2	0.9
Standard Deviation	0.4	0.5
Confidence Value	0.2	0.4
Upper Bound CI	0.4	1.3
Lower Bound CI	-0.1	0.5

Last Five Years	Boat	Shore
Mean Catch (kg)	0.3	0.9
Standard Deviation	0.5	0.5
Confidence Value	0.5	0.4
Upper Bound CI	0.8	1.3
Lower Bound CI	-0.2	0.5

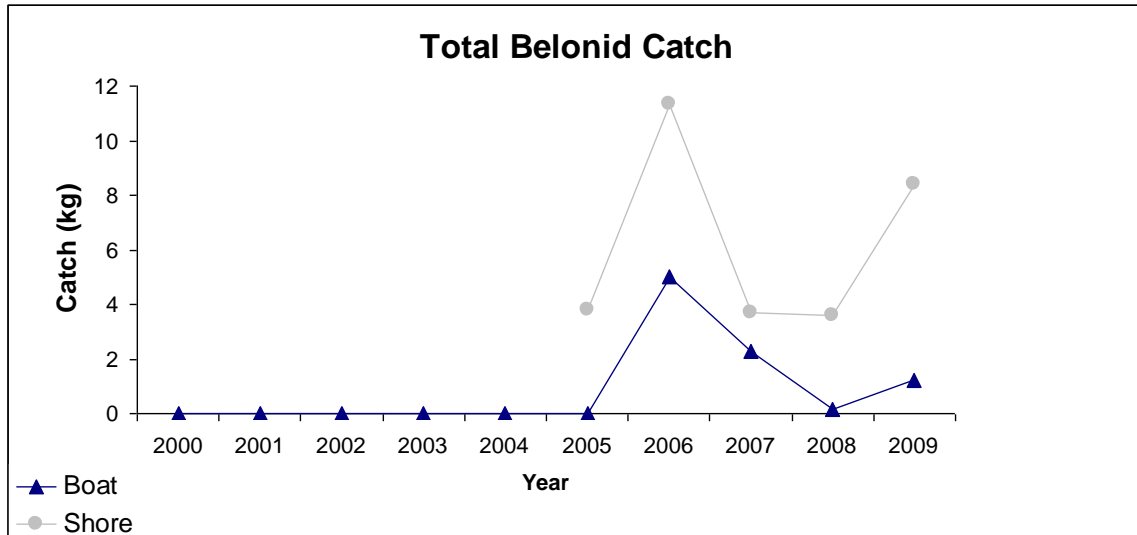
# BALISTIDAE



Total Record	Boat	Shore
Mean Catch (kg)	13.8	1.9
Standard Deviation	7.3	0.9
Confidence Value	4.5	0.8
Upper Bound CI	18.4	2.6
Lower Bound CI	9.3	1.1

Last Five Years	Boat	Shore
Mean Catch (kg)	18.9	1.9
Standard Deviation	5.6	0.9
Confidence Value	4.9	0.8
Upper Bound CI	23.8	2.6
Lower Bound CI	14.1	1.1

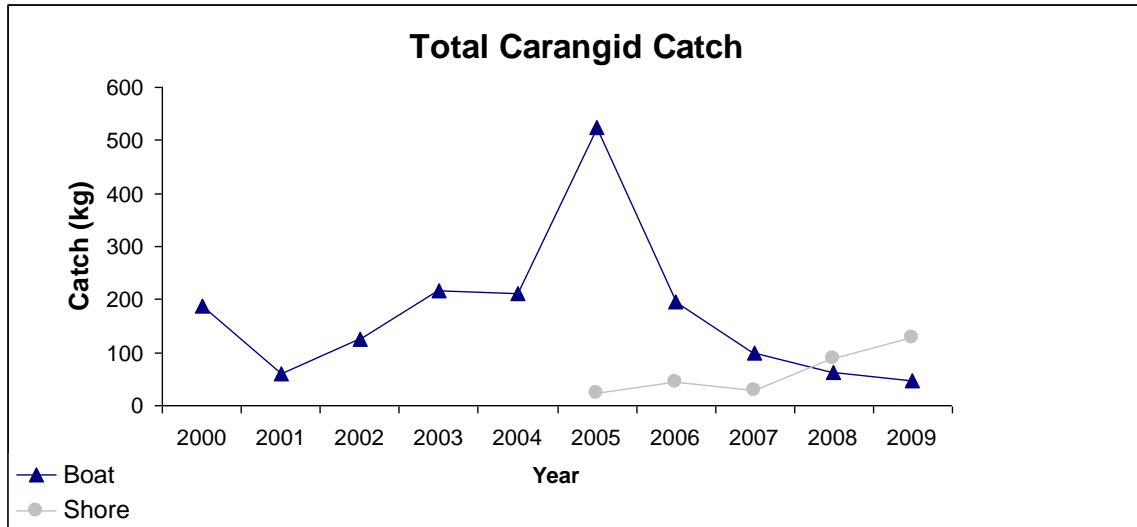
# BELONIDAE



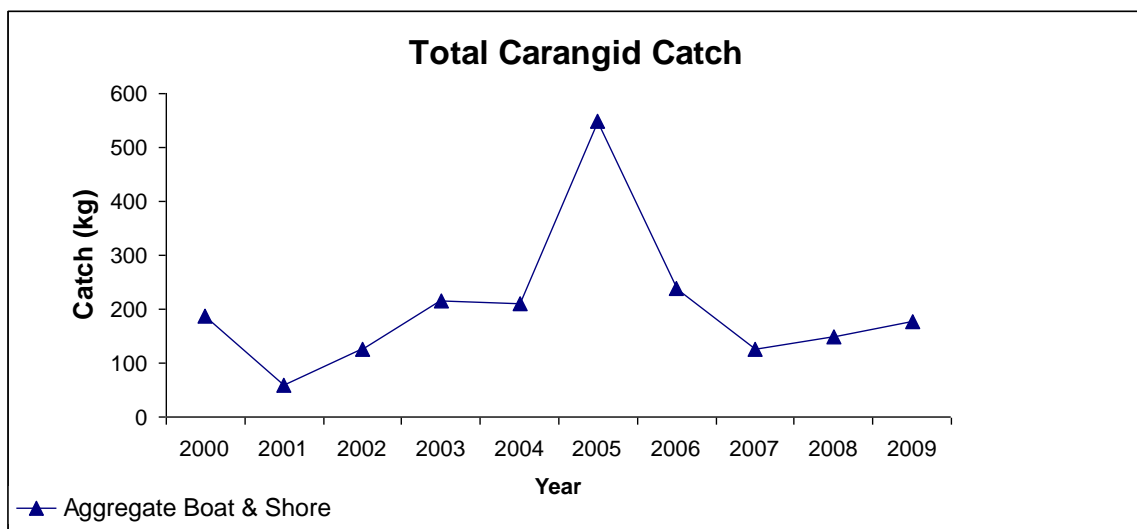
Total Record	Boat	Shore
Mean Catch (kg)	0.9	6.2
Standard Deviation	1.6	3.5
Confidence Value	1.0	3.1
Upper Bound CI	1.9	9.3
Lower Bound CI	-0.1	3.1

Last Five Years	Boat	Shore
Mean Catch (kg)	1.7	6.2
Standard Deviation	2.0	3.5
Confidence Value	1.8	3.1
Upper Bound CI	3.5	9.3
Lower Bound CI	-0.1	3.1

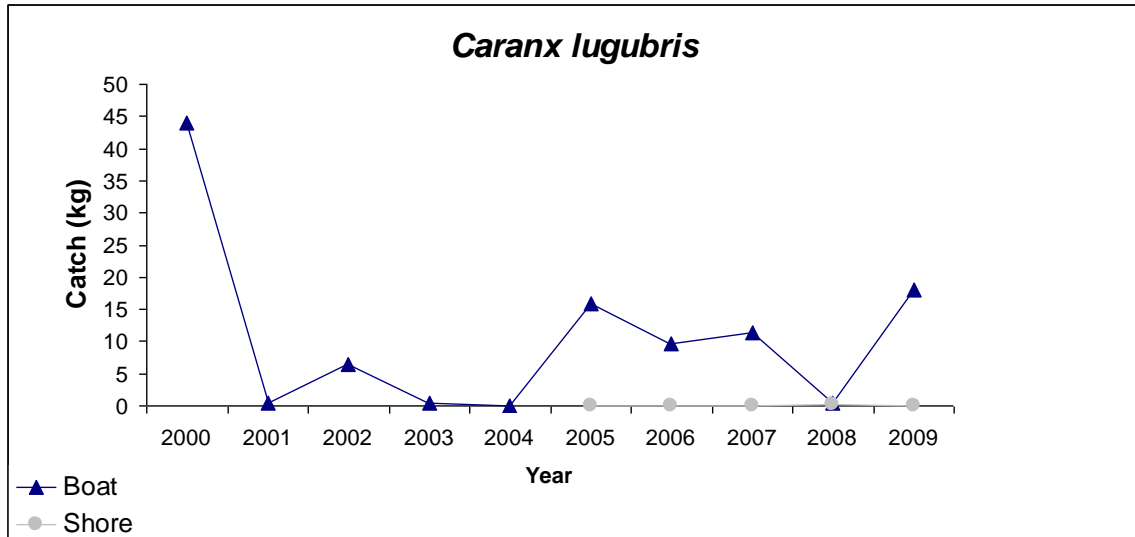
# CARANGADIAE



Last Five Years	Boat	Shore
Mean Catch (kg)	185.3	62.3
Standard Deviation	198.7	45.1
Confidence Value	174.2	39.5
Upper Bound CI	359.5	101.8
Lower Bound CI	11.2	22.7
Total Record	Boat	Shore
Mean Catch (kg)	172.6	62.3
Standard Deviation	140.4	45.1
Confidence Value	87.0	39.5
Upper Bound CI	259.6	101.8
Lower Bound CI	85.6	22.7



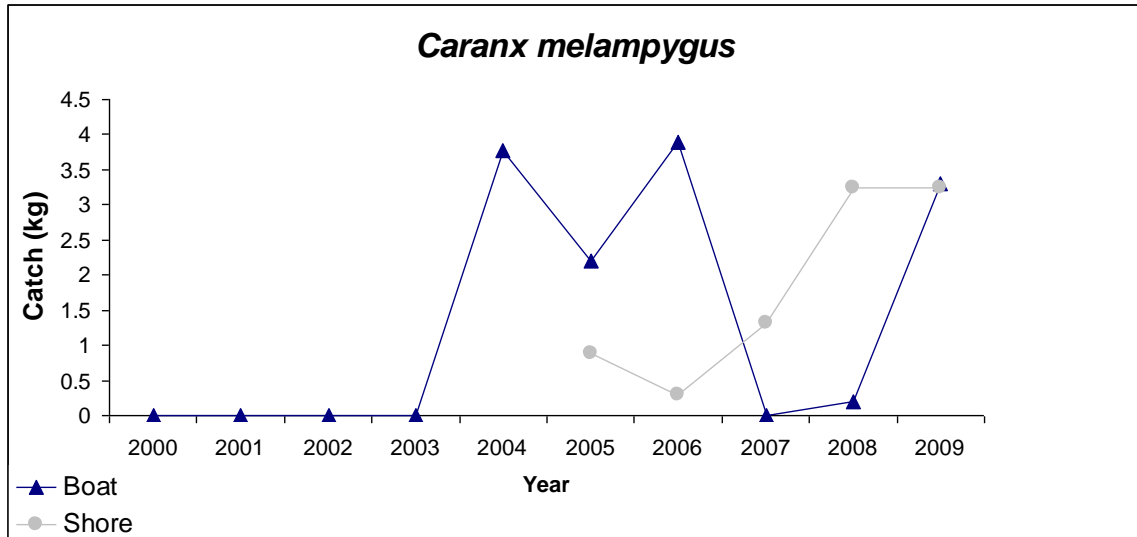




Total Record	Boat	Shore
Mean Catch (kg)	10.7	0.0
Standard Deviation	13.5	0.1
Confidence Value	8.4	0.1
Upper Bound CI	19.0	0.1
Lower Bound CI	2.3	0.0

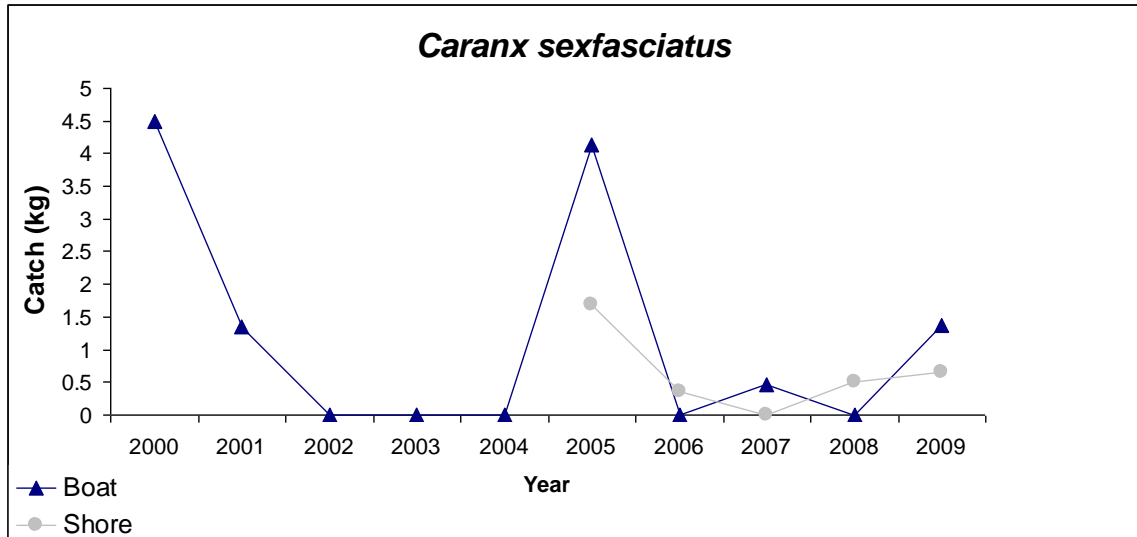
Last Five Years	Boat	Shore
Mean Catch (kg)	11.1	0.0
Standard Deviation	6.8	0.1
Confidence Value	6.0	0.1
Upper Bound CI	17.0	0.1
Lower Bound CI	5.1	0.0



Total Record	Boat	Shore
Mean Catch (kg)	1.3	1.8
Standard Deviation	1.7	1.4
Confidence Value	1.1	1.2
Upper Bound CI	2.4	3.0
Lower Bound CI	0.3	0.6

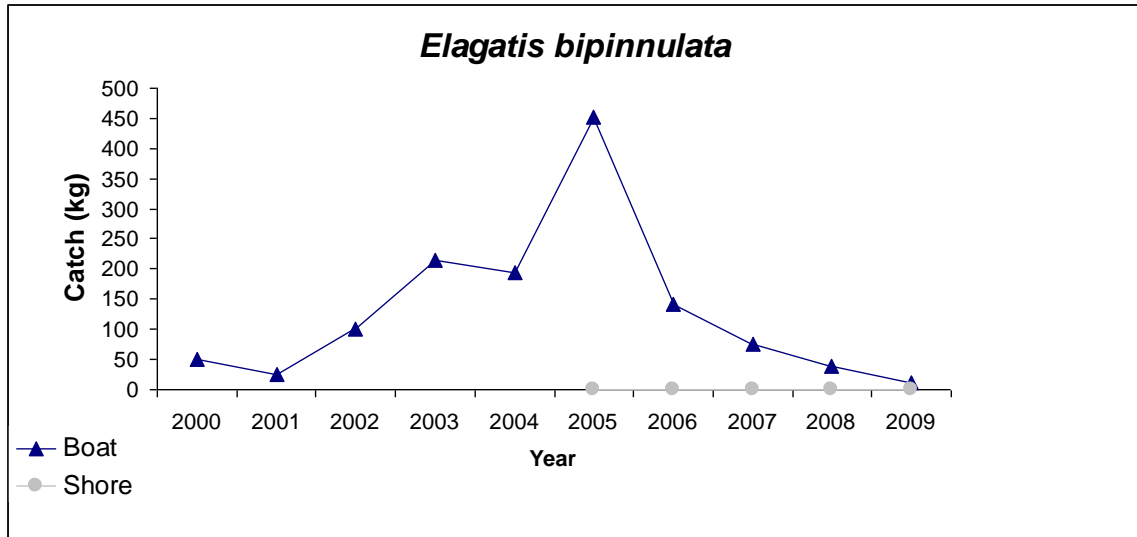
Last Five Years	Boat	Shore
Mean Catch (kg)	1.9	1.8
Standard Deviation	1.8	1.4
Confidence Value	1.6	1.2
Upper Bound CI	3.5	3.0
Lower Bound CI	0.4	0.6



Total Record	Boat	Shore
Mean Catch (kg)	1.2	0.6
Standard Deviation	1.7	0.6
Confidence Value	1.1	0.6
Upper Bound CI	2.3	1.2
Lower Bound CI	0.1	0.1

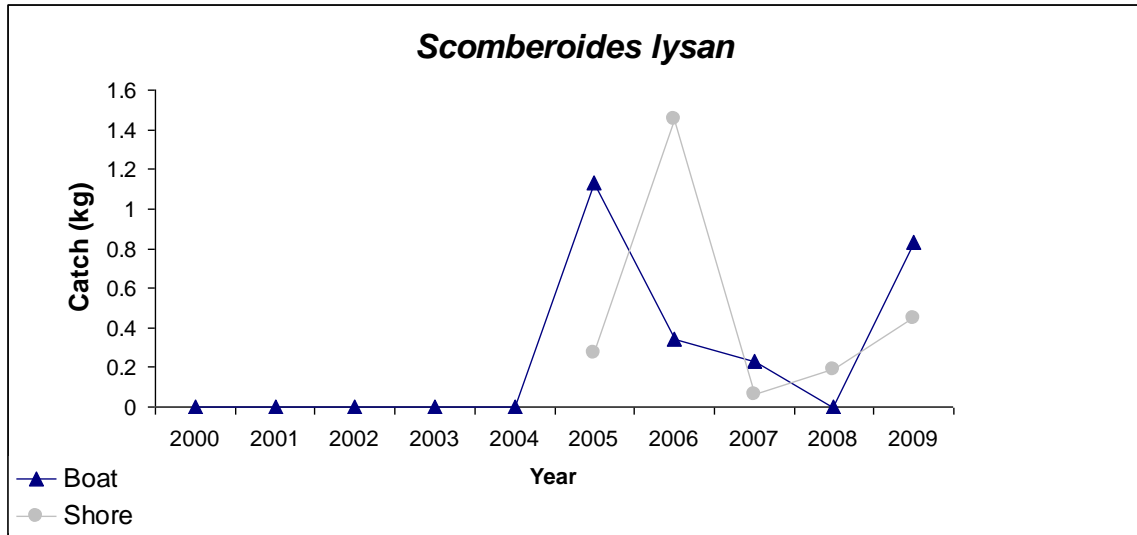
Last Five Years	Boat	Shore
Mean Catch (kg)	1.2	0.6
Standard Deviation	1.7	0.6
Confidence Value	1.5	0.6
Upper Bound CI	2.7	1.2
Lower Bound CI	-0.3	0.1



Total Record	Boat	Shore
Mean Catch (kg)	130.5	0.0
Standard Deviation	132.3	0.0
Confidence Value	82.0	-
Upper Bound CI	212.5	-
Lower Bound CI	48.5	-

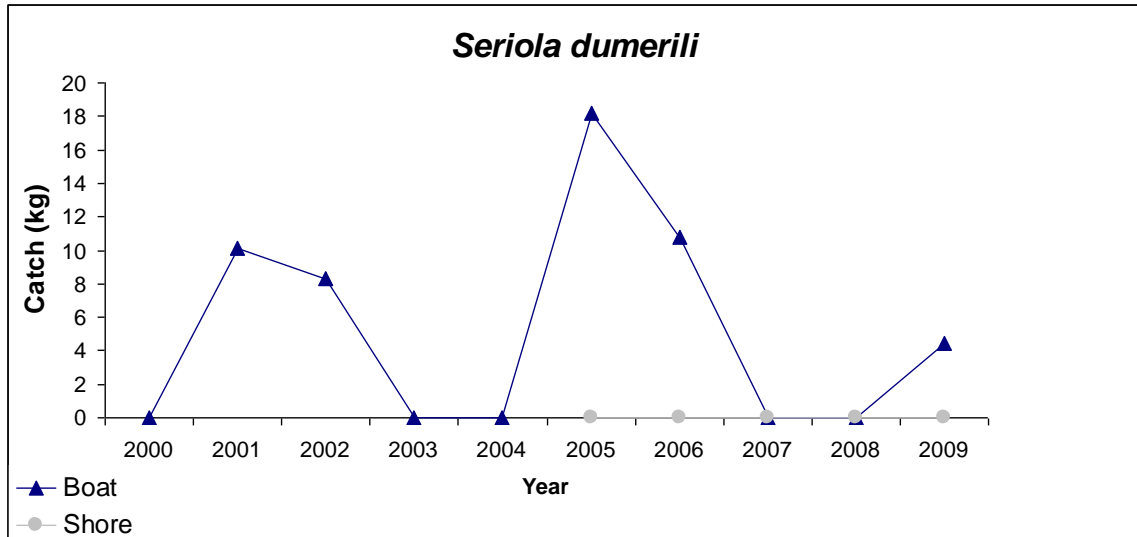
Last Five Years	Boat	Shore
Mean Catch (kg)	143.9	0.0
Standard Deviation	178.5	0.0
Confidence Value	156.4	-
Upper Bound CI	300.3	-
Lower Bound CI	-12.5	-



Total Record	Boat	Shore
Mean Catch (kg)	0.3	0.5
Standard Deviation	0.4	0.6
Confidence Value	0.3	0.5
Upper Bound CI	0.5	1.0
Lower Bound CI	0.0	0.0

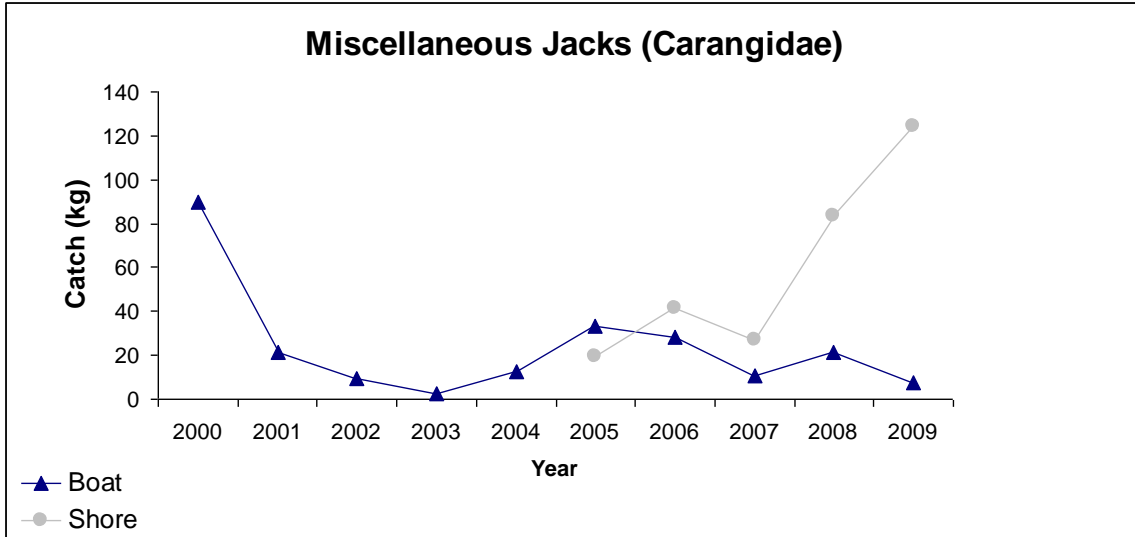
Last Five Years	Boat	Shore
Mean Catch (kg)	0.5	0.5
Standard Deviation	0.5	0.6
Confidence Value	0.4	0.5
Upper Bound CI	0.9	1.0
Lower Bound CI	0.1	0.0



Total Record	Boat	Shore
Mean Catch (kg)	5.2	0.0
Standard Deviation	6.4	0.0
Confidence Value	4.0	-
Upper Bound CI	9.2	-
Lower Bound CI	1.2	-

Last Five Years	Boat	Shore
Mean Catch (kg)	6.7	0.0
Standard Deviation	7.8	0.0
Confidence Value	6.8	-
Upper Bound CI	13.5	-
Lower Bound CI	-0.1	-

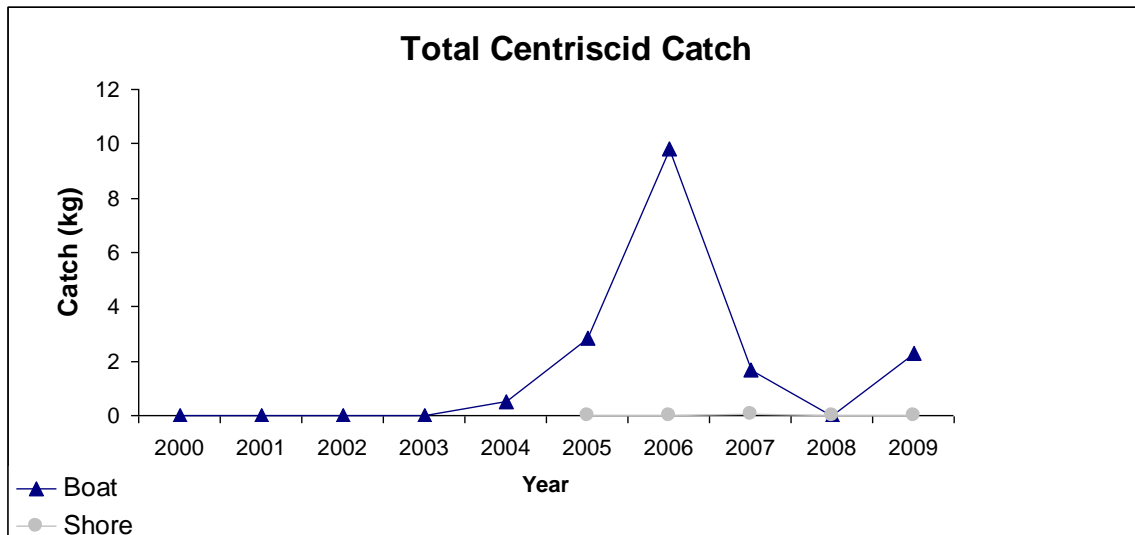


Confidence Value	Boat	Shore
Mean Catch (kg)	23.5	59.3
Standard Deviation	25.2	44.0
Confidence Value	15.6	38.6
Upper Bound CI	39.1	97.9
Lower Bound CI	7.9	20.7

Last Five Years	Boat	Shore
Mean Catch (kg)	20.1	59.3
Standard Deviation	11.0	44.0
Confidence Value	9.6	38.6
Upper Bound CI	29.7	97.9
Lower Bound CI	10.4	20.7

# CENTRISCIDAE

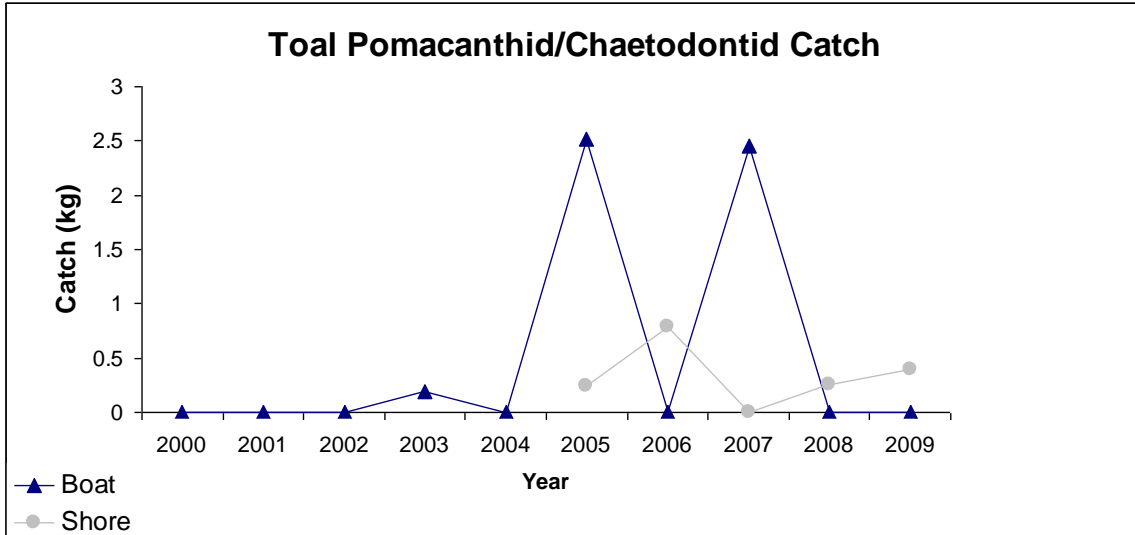


Total Record	Boat	Shore
Mean Catch (kg)	1.7	0.0
Standard Deviation	3.0	0.0
Confidence Value	1.9	0.0
Upper Bound CI	3.6	0.0
Lower Bound CI	-0.2	0.0

Last Five Years	Boat	Shore
Mean Catch (kg)	3.3	0.0
Standard Deviation	3.8	0.0
Confidence Value	3.3	0.0
Upper Bound CI	6.6	0.0
Lower Bound CI	0.0	0.0



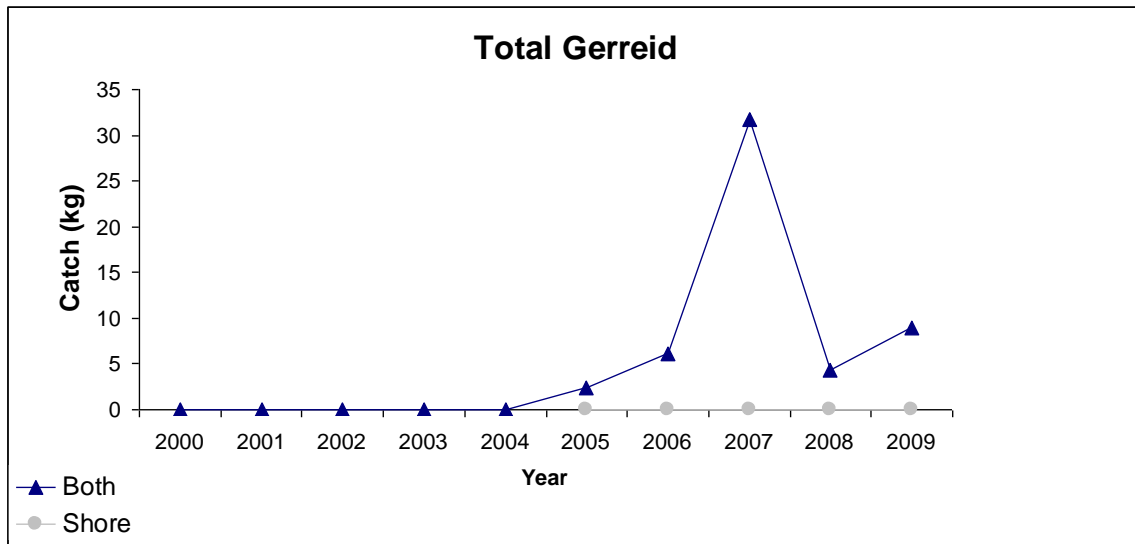
# CHAETODONTIDAE



Total Record	Boat	Shore
Mean Catch (kg)	0.5	0.3
Standard Deviation	1.0	0.3
Confidence Value	0.6	0.3
Upper Bound CI	1.2	0.6
Lower Bound CI	-0.1	0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	1.0	0.3
Standard Deviation	1.4	0.3
Confidence Value	1.2	0.3
Upper Bound CI	2.2	0.6
Lower Bound CI	-0.2	0.1

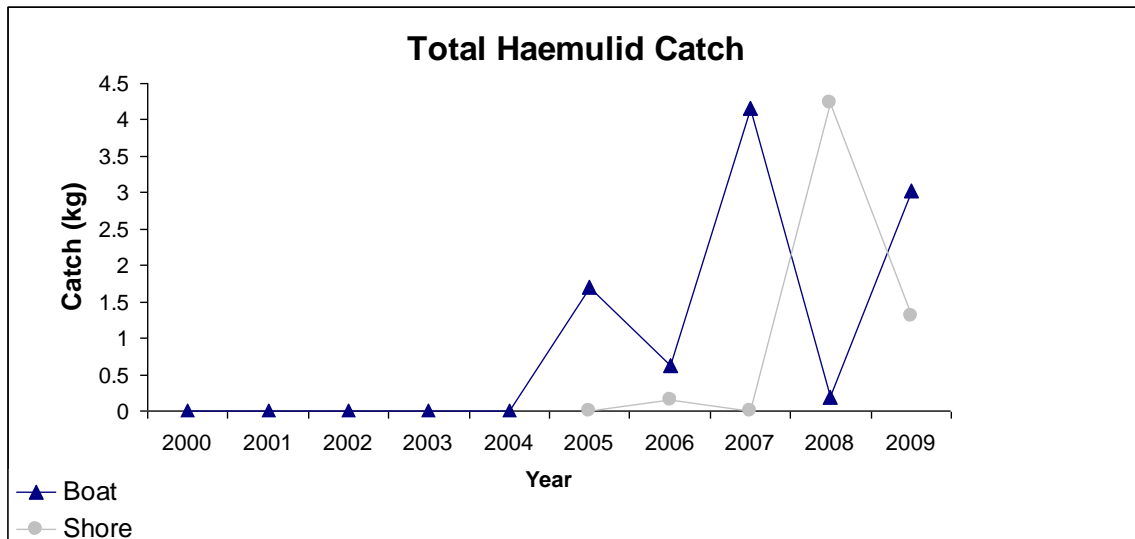
# GERREIDAE



Total Record	Boat	Shore
Mean Catch (kg)	5.3	0.0
Standard Deviation	9.8	0.0
Confidence Value	6.1	-
Upper Bound CI	11.4	-
Lower Bound CI	-0.7	-

Last Five Years	Boat	Shore
Mean Catch (kg)	10.7	0.0
Standard Deviation	12.0	0.0
Confidence Value	10.5	-
Upper Bound CI	21.2	-
Lower Bound CI	0.2	-

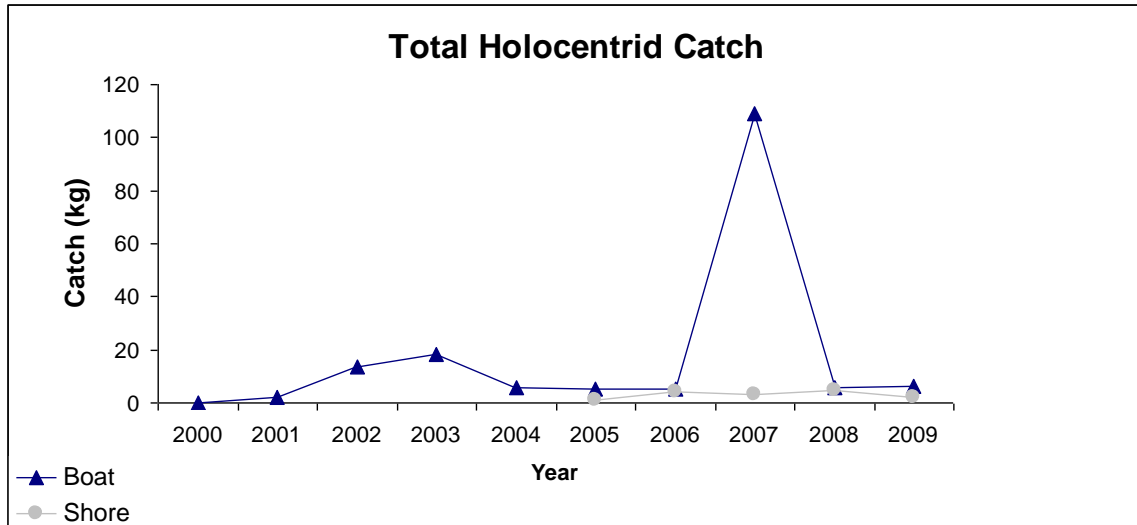
# HAEMULIDAE



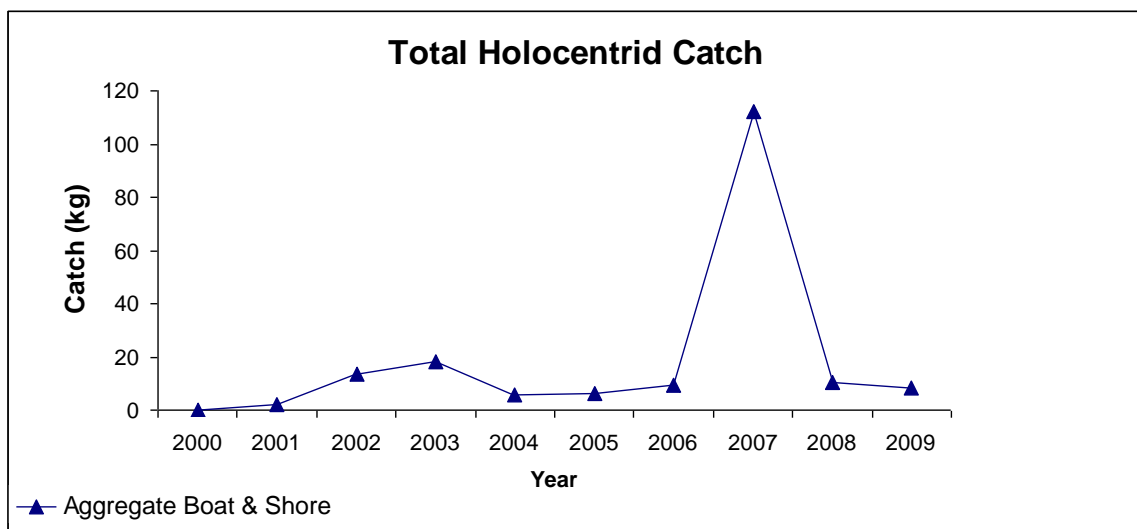
Total Record	Boat	Shore
Mean Catch (kg)	1.0	1.1
Standard Deviation	1.5	1.8
Confidence Value	0.9	1.6
Upper Bound CI	1.9	2.7
Lower Bound CI	0.0	-0.5

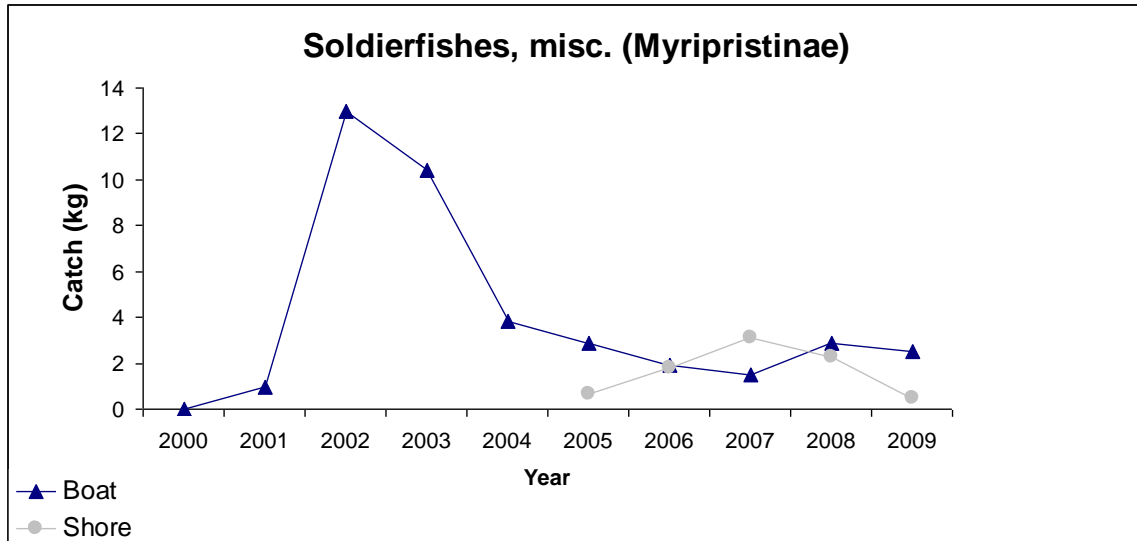
Last Five Years	Boat	Shore
Mean Catch (kg)	1.9	1.1
Standard Deviation	1.7	1.8
Confidence Value	1.5	1.6
Upper Bound CI	3.4	2.7
Lower Bound CI	0.5	-0.5

# HOLOCENTRIDAE



Last Five Years	Boat	Shore
Mean Catch (kg)	26.3	3.0
Standard Deviation	46.3	1.4
Confidence Value	40.5	1.3
Upper Bound CI	66.8	4.3
Lower Bound CI	-14.3	1.8
Total Record	Boat	Shore
Mean Catch (kg)	17.1	3.0
Standard Deviation	32.7	1.4
Confidence Value	20.3	1.3
Upper Bound CI	37.4	4.3
Lower Bound CI	-3.2	1.8

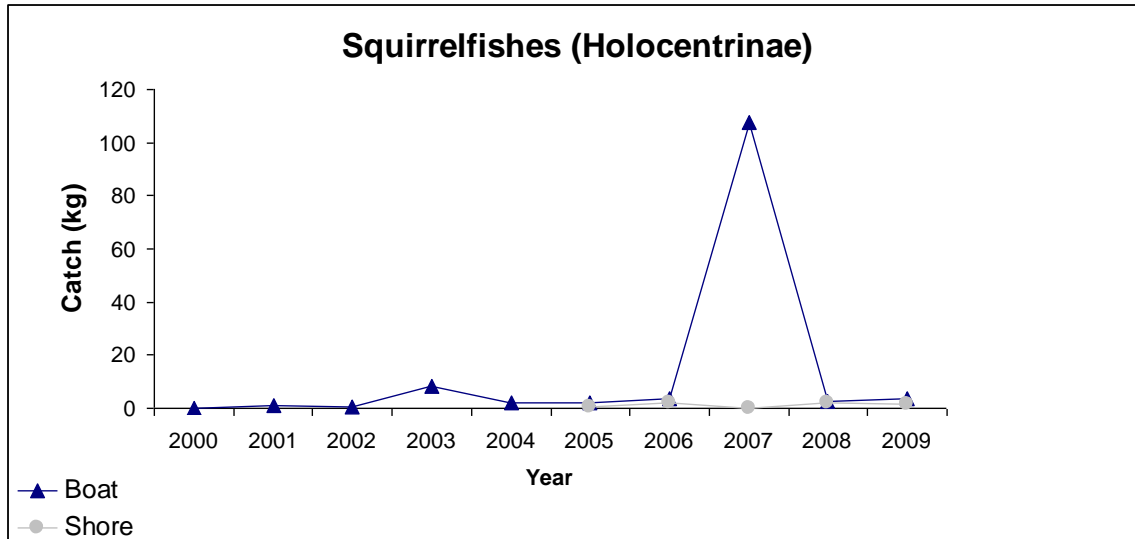




Total Record	Boat	Shore
Mean Catch (kg)	4.4	1.7
Standard Deviation	4.3	1.0
Confidence Value	2.6	0.9
Upper Bound CI	7.1	2.6
Lower Bound CI	1.8	0.8

Last Five Years	Boat	Shore
Mean Catch (kg)	2.3	1.7
Standard Deviation	0.9	1.0
Confidence Value	0.8	0.9
Upper Bound CI	3.1	2.6
Lower Bound CI	1.5	0.8



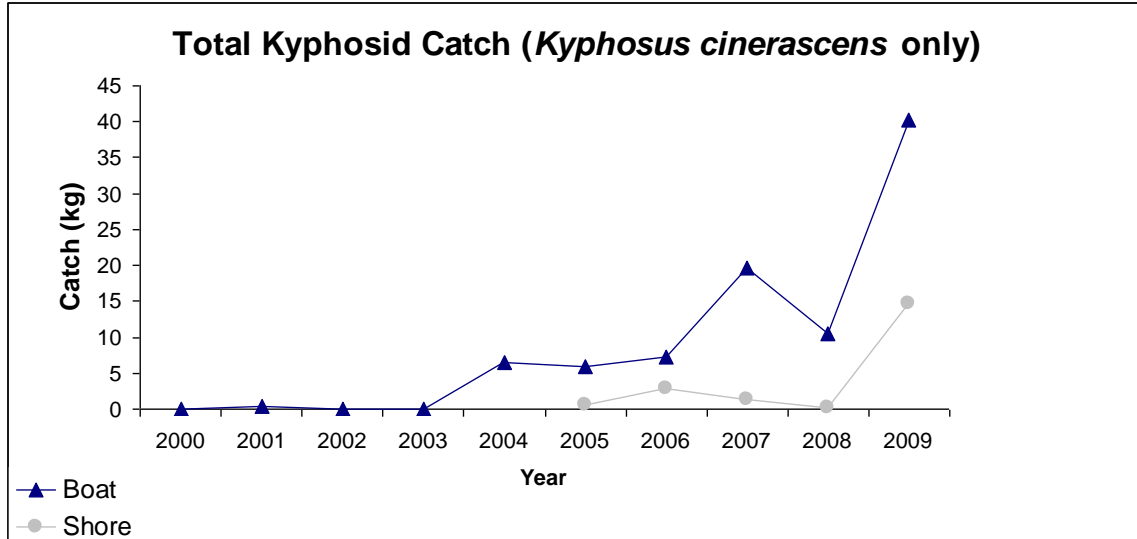
Total Record	Boat	Shore
Mean Catch (kg)	13.1	1.3
Standard Deviation	33.2	1.0
Confidence Value	20.6	0.8
Upper Bound CI	33.7	2.2
Lower Bound CI	-7.5	0.5

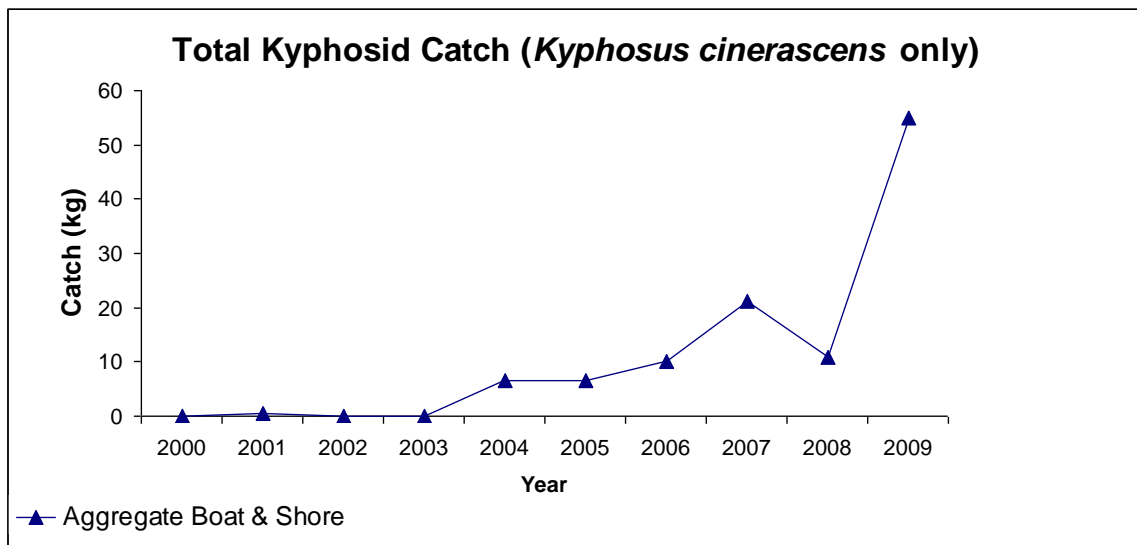
Last Five Years	Boat	Shore
Mean Catch (kg)	23.9	1.3
Standard Deviation	46.7	1.0
Confidence Value	41.0	0.8
Upper Bound CI	64.9	2.2
Lower Bound CI	-17.0	0.5

# KYPHOSIDAE

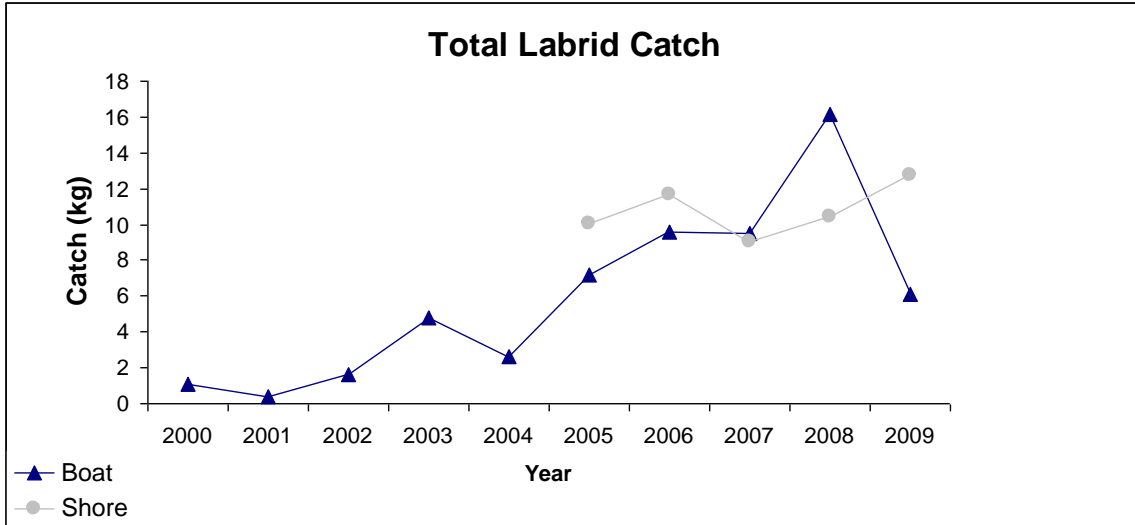




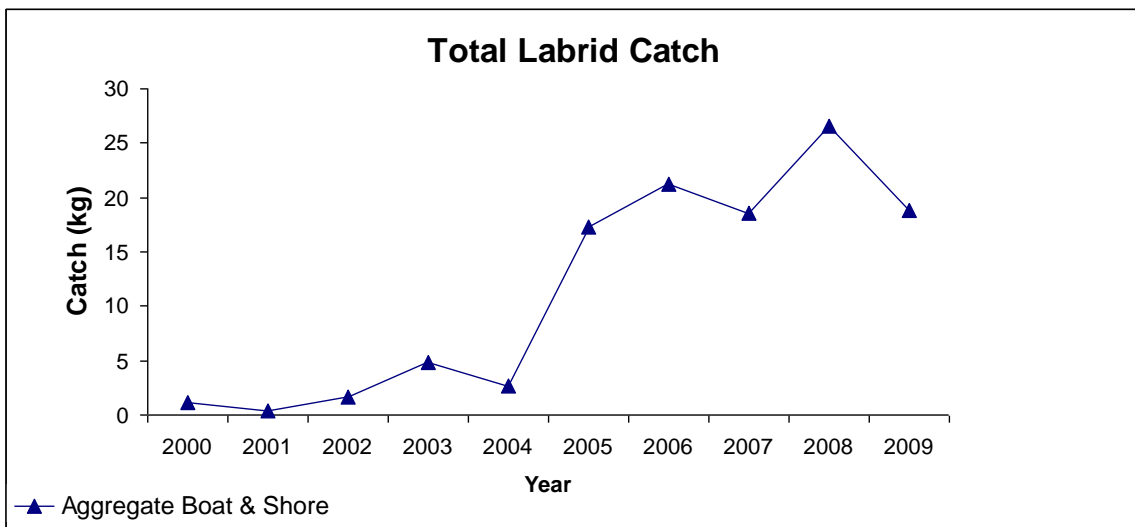
Last Five Years	Boat	Shore
Mean Catch (kg)	16.7	3.9
Standard Deviation	5.7	6.0
Confidence Value	5.0	5.3
Upper Bound CI	21.7	9.2
Lower Bound CI	11.7	-1.4
Total Record	Boat	Shore
Mean Catch (kg)	9.0	3.9
Standard Dev.	12.6	6.0
Confidence Value	7.8	5.3
Upper Bound CI	16.9	9.2
Lower Bound CI	1.2	-1.4

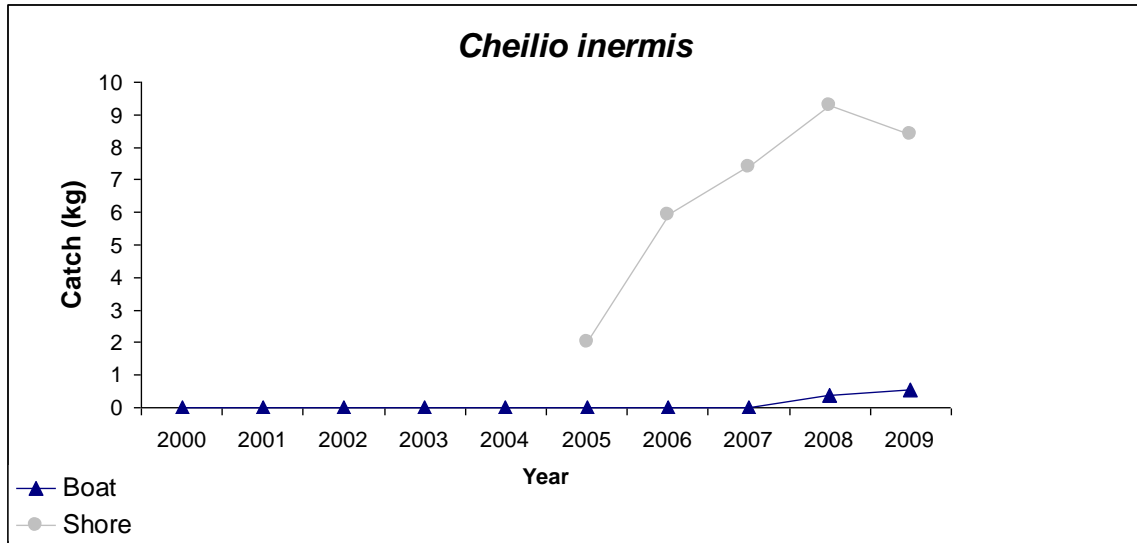


# LABRIDAE



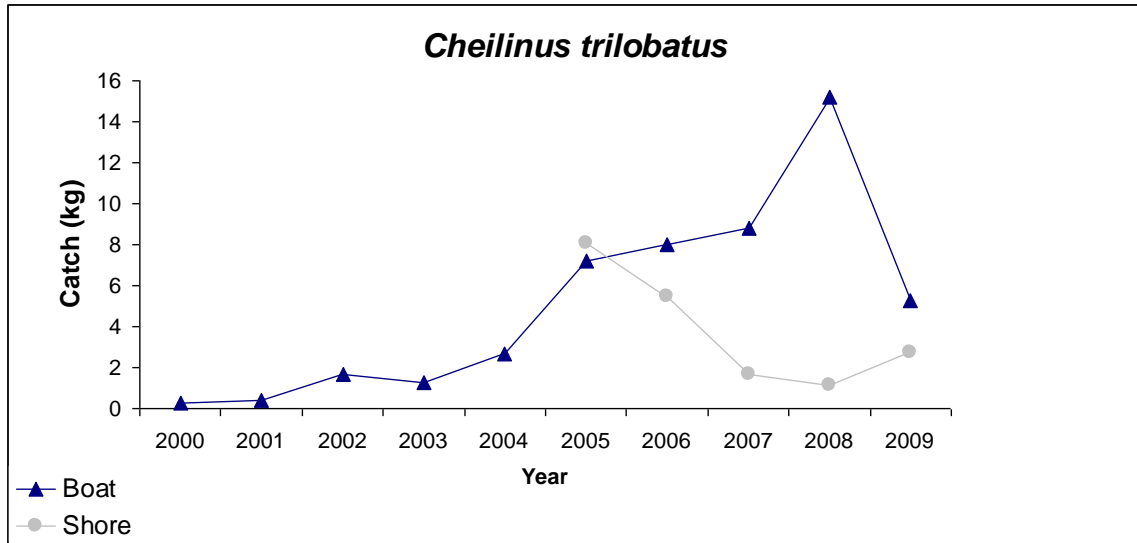
Last Five Years	Boat	Shore
Mean Catch (kg)	9.7	10.8
Standard Deviation	3.9	1.4
Confidence Value	3.4	1.3
Upper Bound CI	13.1	12.1
Lower Bound CI	6.3	9.5
Total Record	Boat	Shore
Mean Catch (kg)	5.9	10.8
Standard Deviation	4.9	1.4
Confidence Value	3.0	1.3
Upper Bound CI	8.9	12.1
Lower Bound CI	2.9	9.5





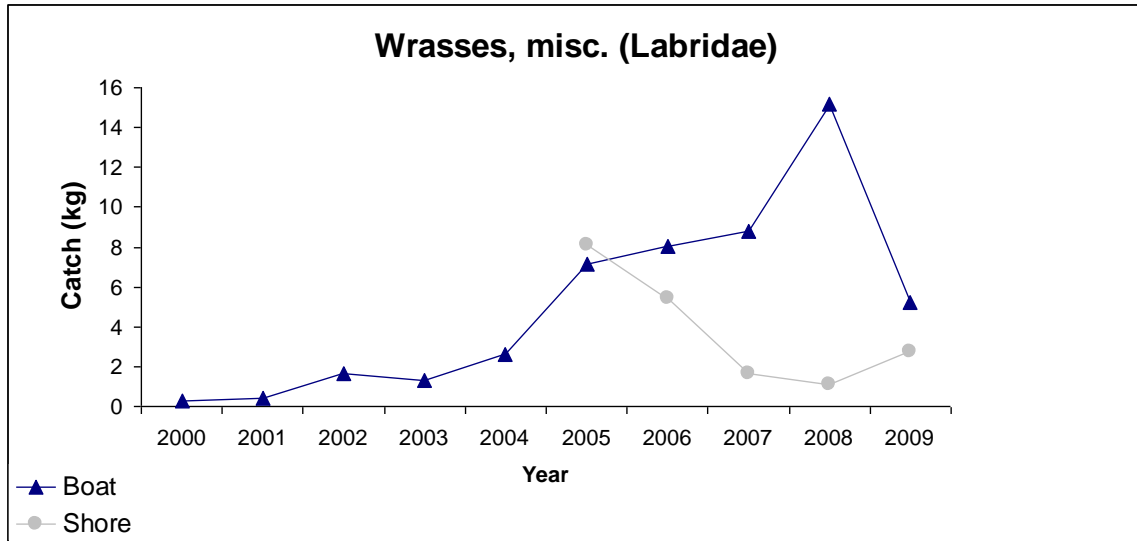
Total Record	Boat	Shore
Mean Catch (kg)	0.1	6.6
Standard Deviation	0.2	2.9
Confidence Value	0.1	2.5
Upper Bound CI	0.2	9.1
Lower Bound CI	0.0	4.1

Last Five Years	Boat	Shore
Mean Catch (kg)	0.2	6.6
Standard Deviation	0.3	2.9
Confidence Value	0.2	2.5
Upper Bound CI	0.4	9.1
Lower Bound CI	0.0	4.1



Total Record	Boat	Shore
Mean Catch (kg)	0.7	0.4
Standard Deviation	1.1	0.7
Confidence Value	0.7	0.6
Upper Bound CI	1.4	1.0
Lower Bound CI	0.1	-0.2

Last Five Years	Boat	Shore
Mean Catch (kg)	0.6	0.4
Standard Deviation	0.6	0.7
Confidence Value	0.5	0.6
Upper Bound CI	1.1	1.0
Lower Bound CI	0.1	-0.2

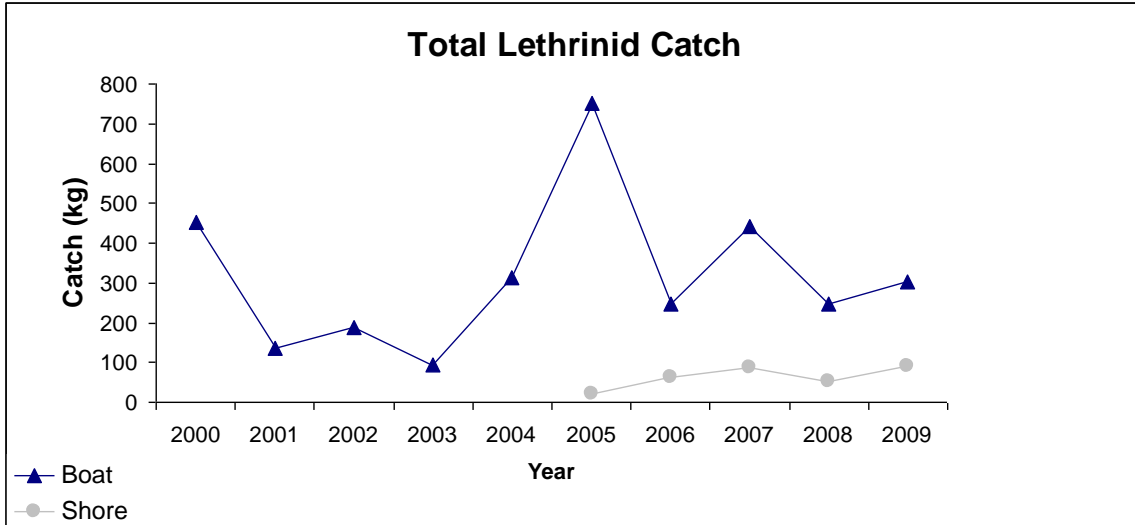


Total Record	Boat	Shore
Mean Catch (kg)	5.1	3.8
Standard Deviation	4.8	2.9
Confidence Value	3.0	2.6
Upper Bound CI	8.0	6.4
Lower Bound CI	2.1	1.2

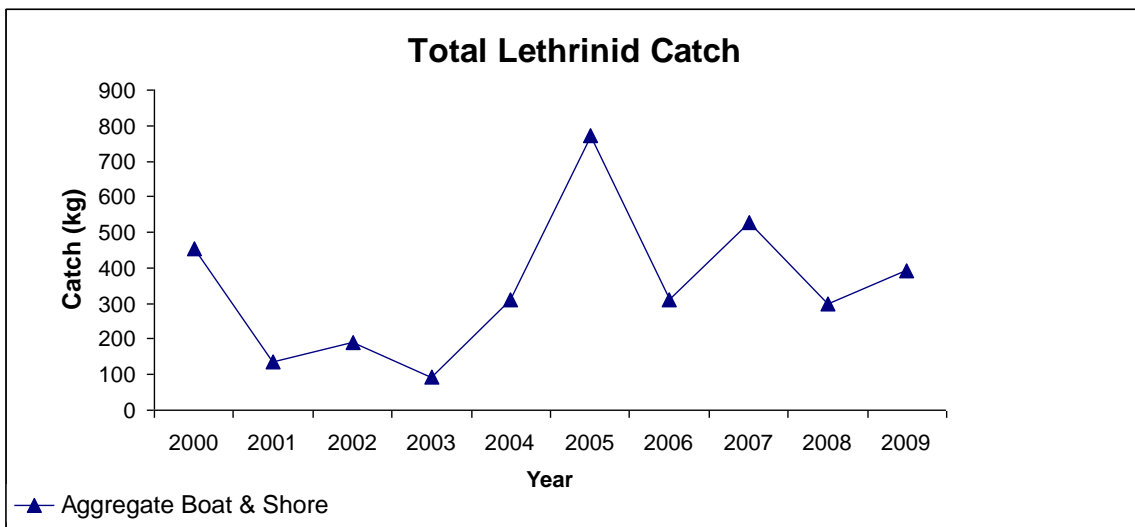
  

Last Five Years	Boat	Shore
Mean Catch (kg)	8.9	3.8
Standard Deviation	3.8	2.9
Confidence Value	3.3	2.6
Upper Bound CI	12.2	6.4
Lower Bound CI	5.6	1.2

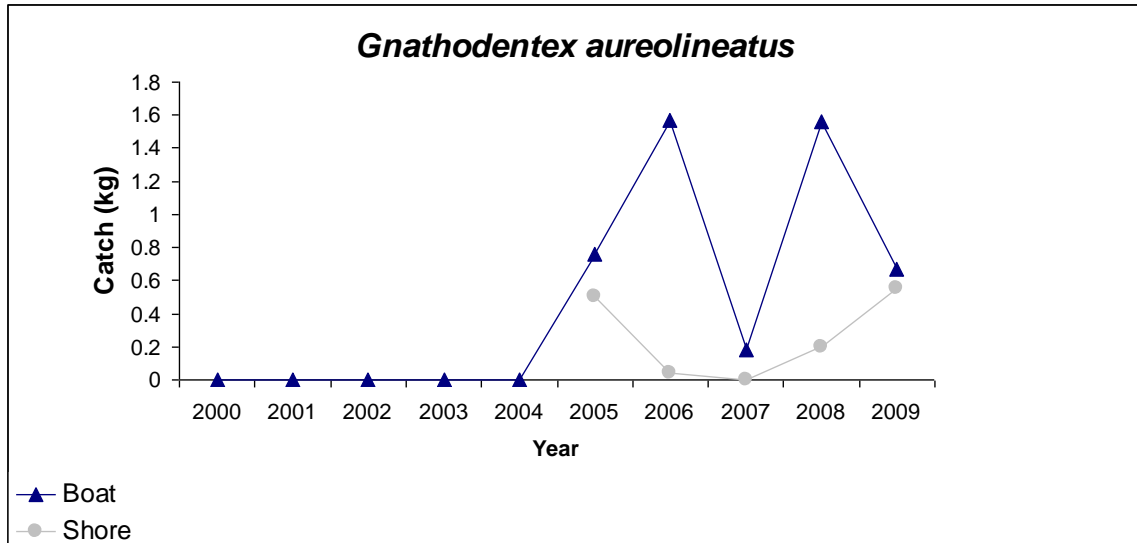
# LETHRINIDAE



Last Five Years	Boat	Shore
Mean Catch (kg)	398.2	62.7
Standard Deviation	213.2	28.6
Confidence Value	186.9	25.1
Upper Bound CI	585.1	87.8
Lower Bound CI	211.4	37.5
Total Record	Boat	Shore
Mean Catch (kg)	317.3	62.7
Standard Deviation	192.2	28.6
Confidence Value	119.1	25.1
Upper Bound CI	436.4	87.8
Lower Bound CI	198.2	37.5

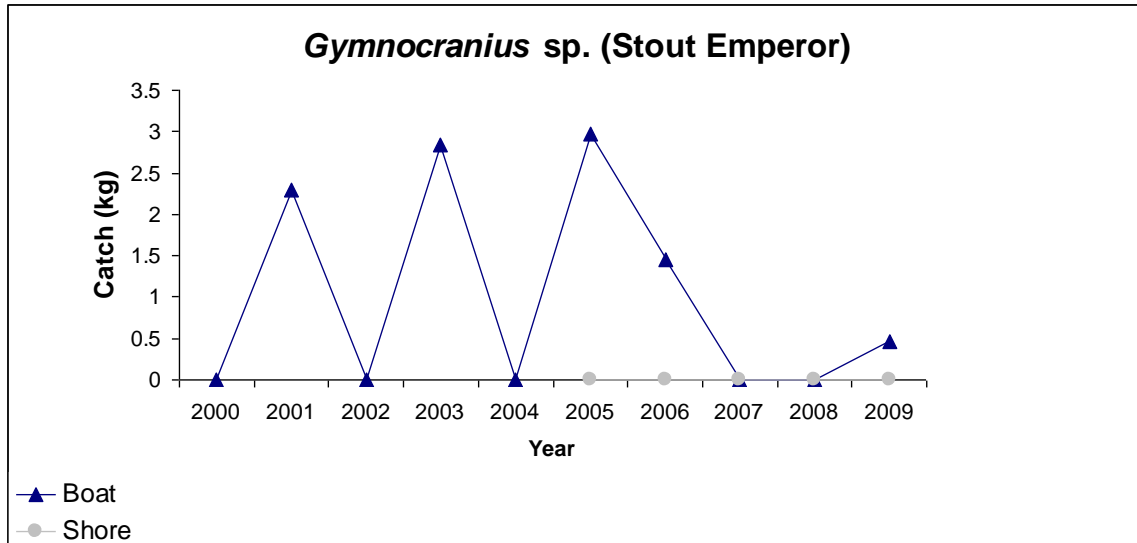






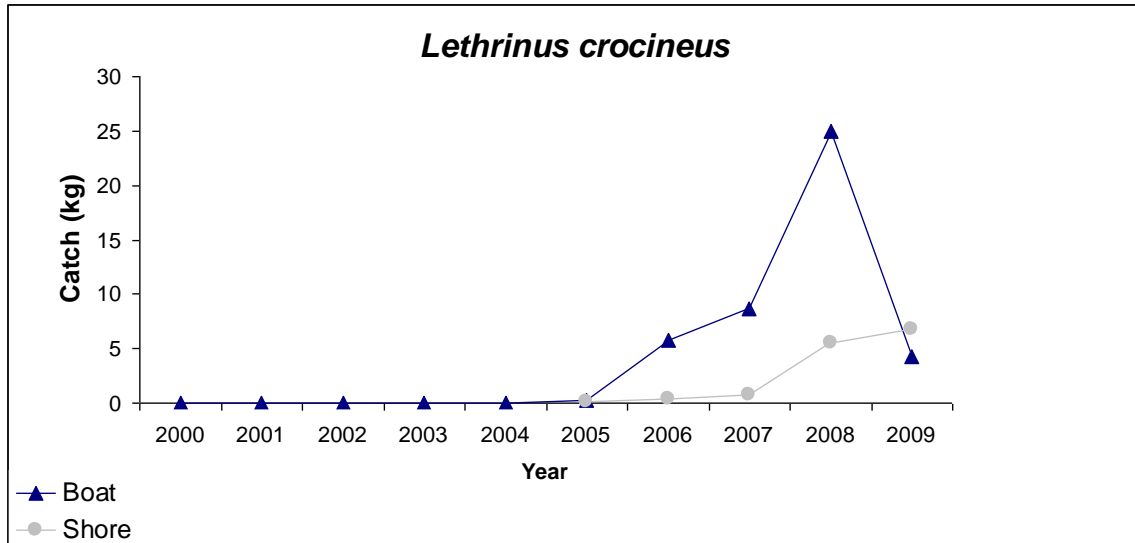
Total Record	Boat	Shore
Mean Catch (kg)	0.5	0.3
Standard Deviation	0.6	0.3
Confidence Value	0.4	0.2
Upper Bound CI	0.9	0.5
Lower Bound CI	0.1	0.0

Last Five Years	Boat	Shore
Mean Catch (kg)	0.9	0.3
Standard Deviation	0.6	0.3
Confidence Value	0.5	0.2
Upper Bound CI	1.5	0.5
Lower Bound CI	0.4	0.0



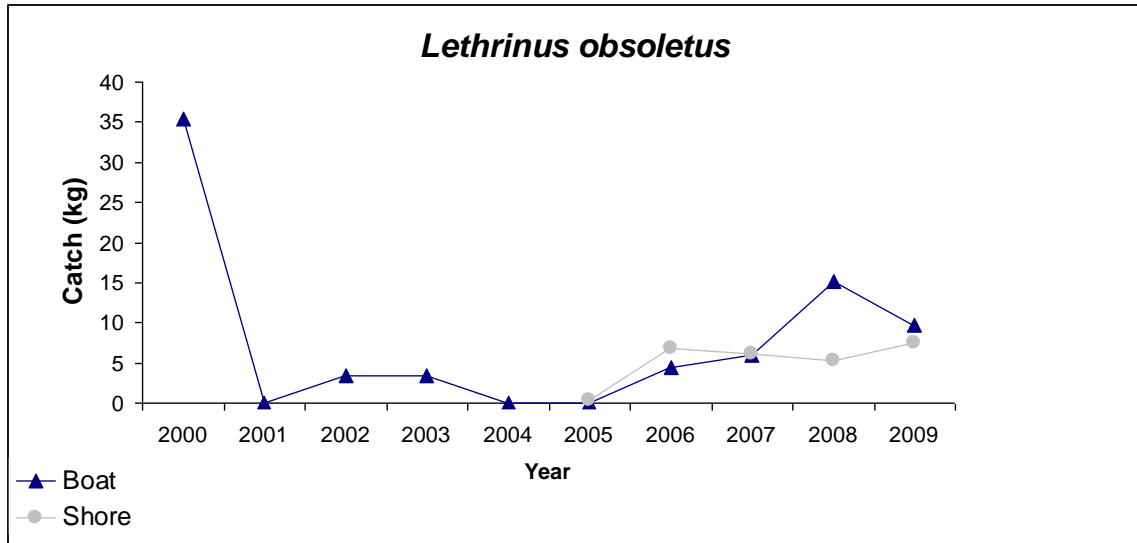
Total Record	Boat	Shore
Mean Catch (kg)	1.0	0.0
Standard Deviation	1.3	0.0
Confidence Value	0.8	-
Upper Bound CI	1.8	-
Lower Bound CI	0.2	-

Last Five Years	Boat	Shore
Mean Catch (kg)	1.0	0.0
Standard Deviation	1.3	0.0
Confidence Value	1.1	-
Upper Bound CI	2.1	-
Lower Bound CI	-0.1	-



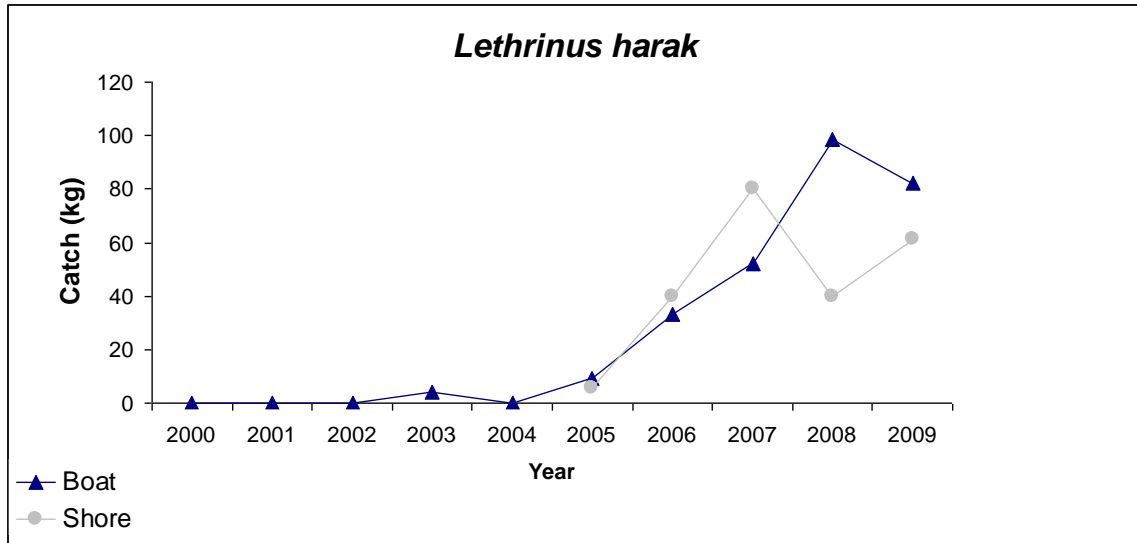
Total Record	Boat	Shore
Mean Catch (kg)	4.4	2.7
Standard Deviation	7.9	3.2
Confidence Value	4.9	2.8
Upper Bound CI	9.3	5.5
Lower Bound CI	-0.5	-0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	8.8	2.7
Standard Deviation	9.5	3.2
Confidence Value	8.4	2.8
Upper Bound CI	17.1	5.5
Lower Bound CI	0.4	-0.1



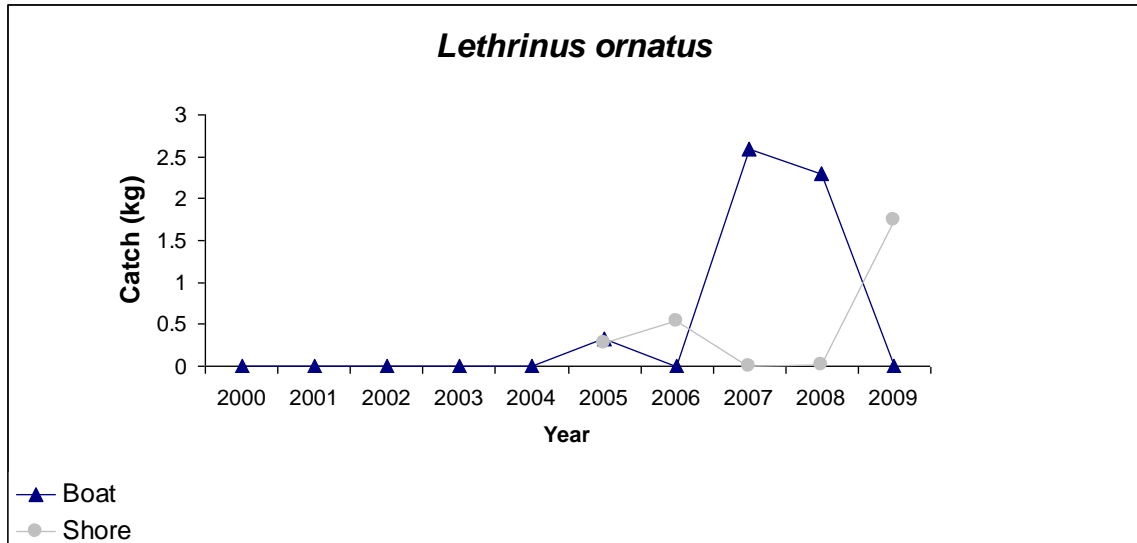
Total Record	Boat	Shore
Mean Catch (kg)	7.8	5.2
Standard Deviation	10.8	2.9
Confidence Value	6.7	2.5
Upper Bound CI	14.5	7.7
Lower Bound CI	1.0	2.7

Last Five Years	Boat	Shore
Mean Catch (kg)	7.1	5.2
Standard Deviation	5.7	2.9
Confidence Value	5.0	2.5
Upper Bound CI	12.1	7.7
Lower Bound CI	2.1	2.7



Total Record	Boat	Shore
Mean Catch (kg)	27.9	45.4
Standard Deviation	37.4	27.9
Confidence Value	23.2	24.5
Upper Bound CI	51.1	69.9
Lower Bound CI	4.7	20.9

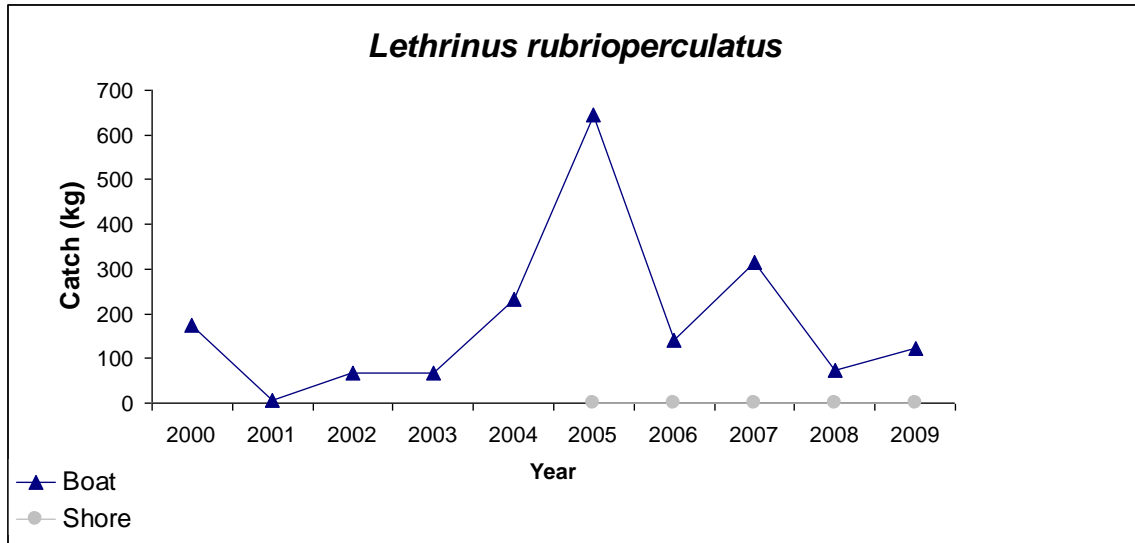
Last Five Years	Boat	Shore
Mean Catch (kg)	55.1	45.4
Standard Deviation	36.1	27.9
Confidence Value	31.6	24.5
Upper Bound CI	86.7	69.9
Lower Bound CI	23.4	20.9



Total Record	Boat	Shore
Mean Catch (kg)	0.5	0.5
Standard Deviation	1.0	0.7
Confidence Value	0.6	0.6
Upper Bound CI	1.2	1.1
Lower Bound CI	-0.1	-0.1

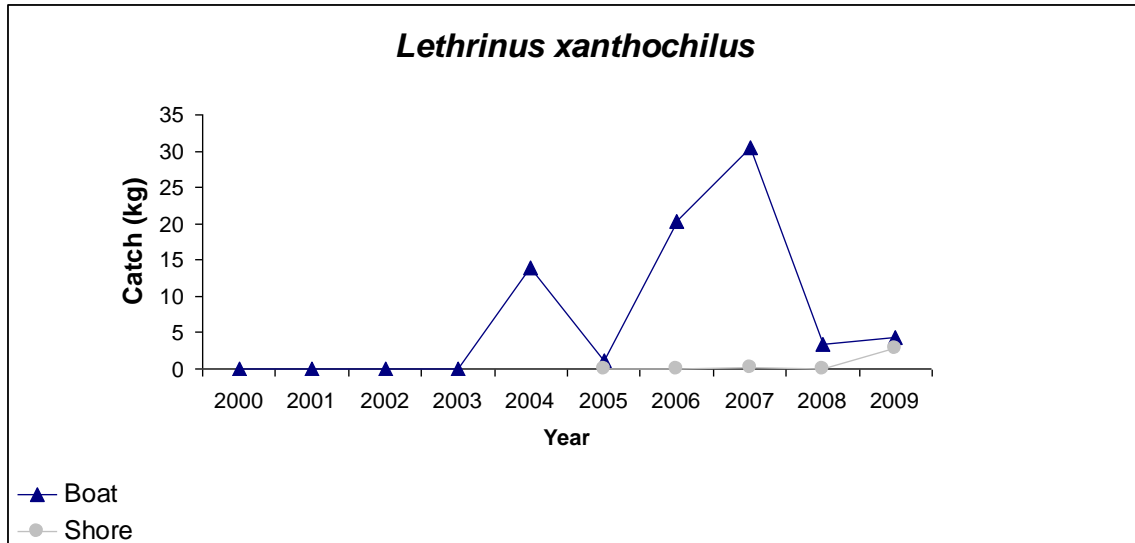
Last Five Years	Boat	Shore
Mean Catch (kg)	1.0	0.5
Standard Deviation	1.3	0.7
Confidence Value	1.1	0.6
Upper Bound CI	2.2	1.1
Lower Bound CI	-0.1	-0.1



Total Record	Boat	Shore
Mean Catch (kg)	184.8	0.3
Standard Deviation	185.3	0.6
Confidence Value	114.8	0.5
Upper Bound CI	299.6	0.8
Lower Bound CI	70.0	-0.2

Last Five Years	Boat	Shore
Mean Catch (kg)	259.5	0.3
Standard Deviation	234.3	0.6
Confidence Value	205.4	0.5
Upper Bound CI	464.9	0.8
Lower Bound CI	54.2	-0.2

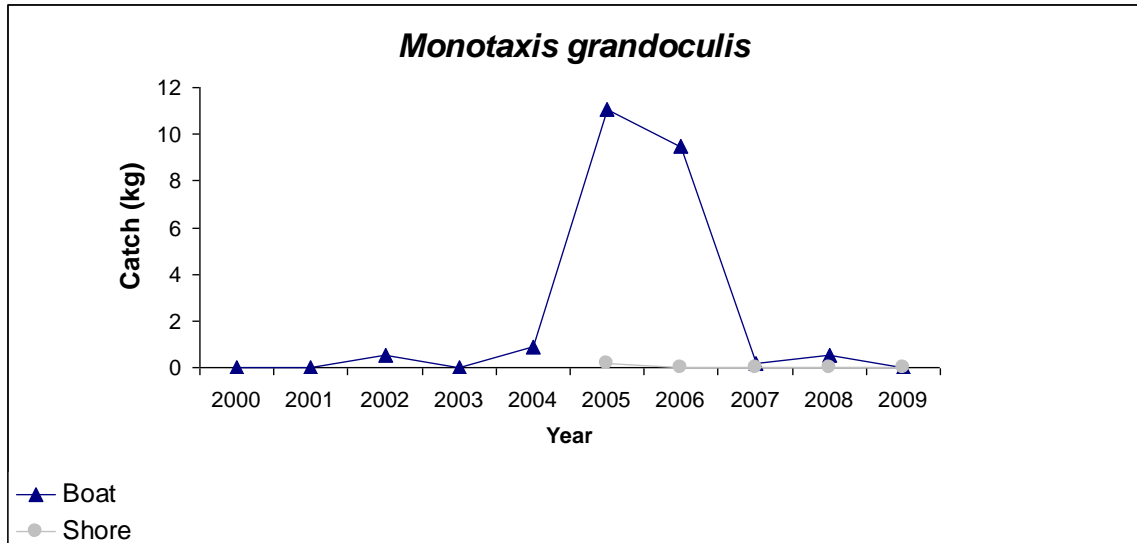


Total Record	Boat	Shore
Mean Catch (kg)	7.3	0.6
Standard Deviation	10.7	1.2
Confidence Value	6.6	1.1
Upper Bound CI	13.9	1.7
Lower Bound CI	0.7	-0.5

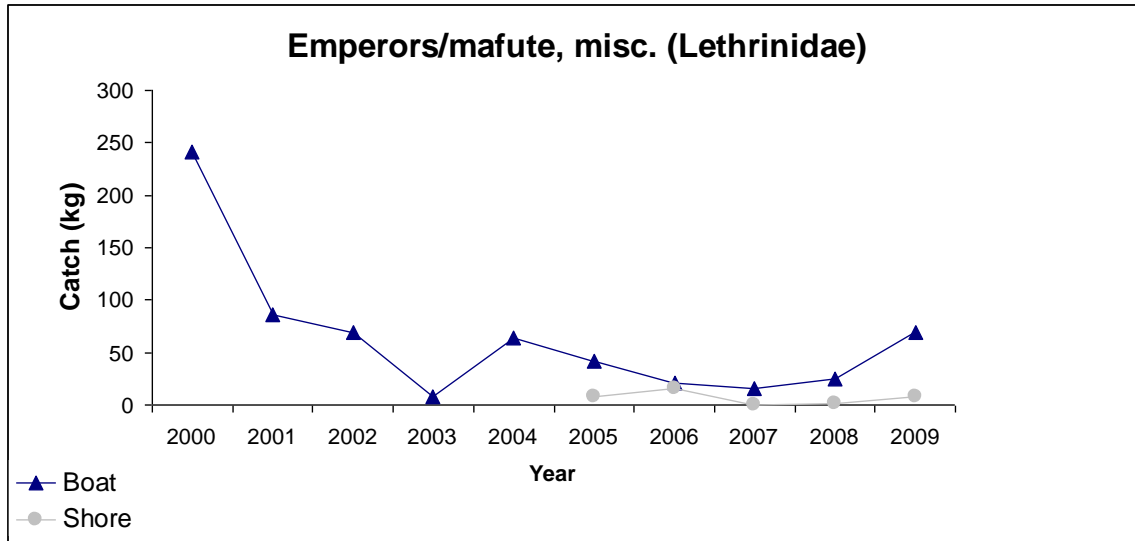
Last Five Years	Boat	Shore
Mean Catch (kg)	11.9	0.6
Standard Deviation	12.9	1.2
Confidence Value	11.3	1.1
Upper Bound CI	23.2	1.7
Lower Bound CI	0.6	-0.5





Total Record	Boat	Shore
Mean Catch (kg)	2.3	0.0
Standard Deviation	4.2	0.1
Confidence Value	2.6	0.1
Upper Bound CI	4.9	0.1
Lower Bound CI	-0.4	0.0

Last Five Years	Boat	Shore
Mean Catch (kg)	4.2	0.0
Standard Deviation	5.5	0.1
Confidence Value	4.9	0.1
Upper Bound CI	9.1	0.1
Lower Bound CI	-0.6	0.0

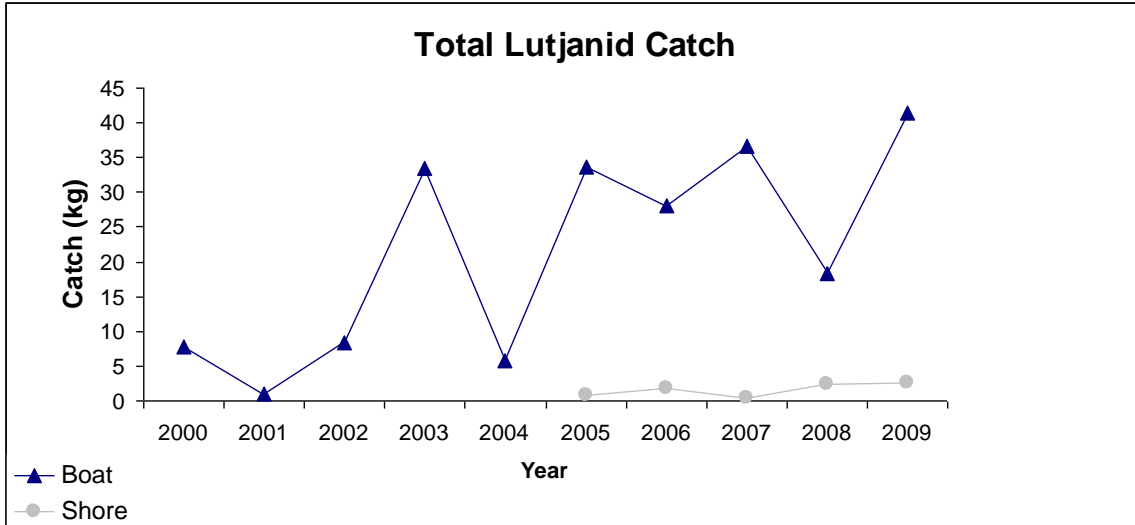


Total Record	Boat	Shore
Mean Catch (kg)	64.1	6.4
Standard Deviation	67.8	6.3
Confidence Value	42.0	5.5
Upper Bound CI	106.1	11.9
Lower Bound CI	22.0	0.9

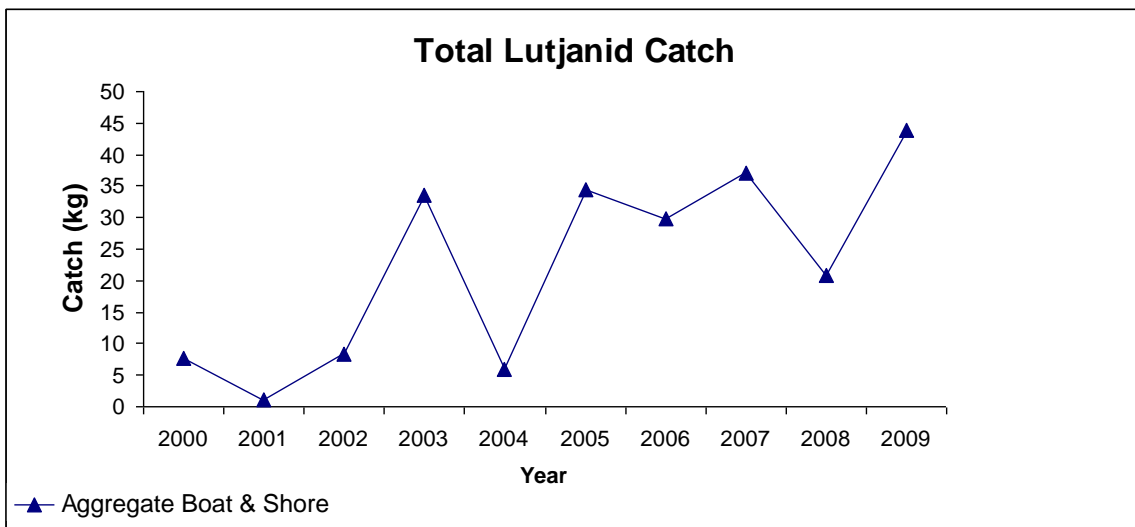
  

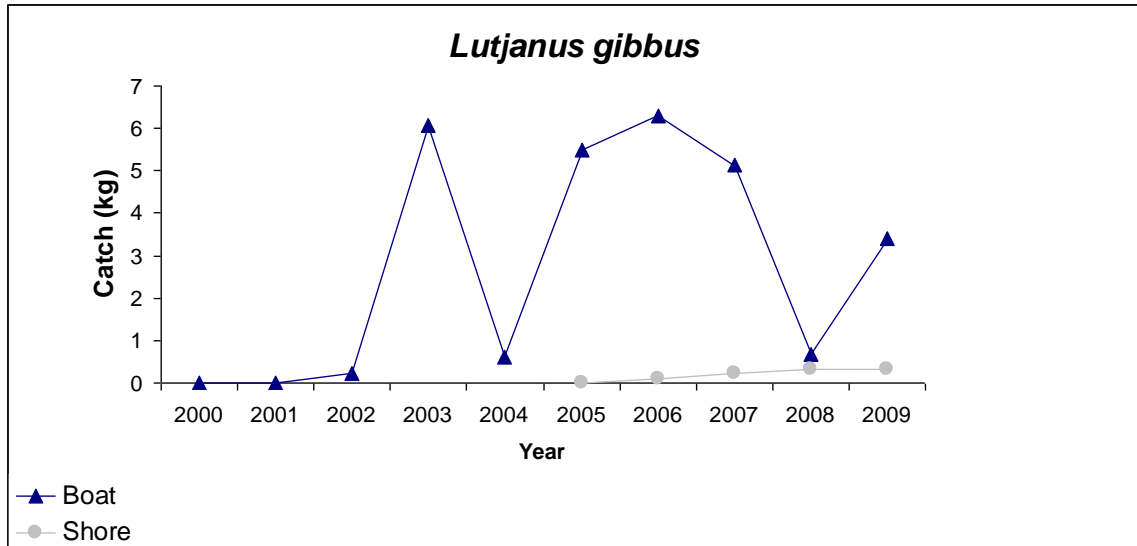
Last Five Years	Boat	Shore
Mean Catch (kg)	34.4	6.4
Standard Deviation	21.8	6.3
Confidence Value	19.1	5.5
Upper Bound CI	53.5	11.9
Lower Bound CI	15.2	0.9

# LUTJANIDAE



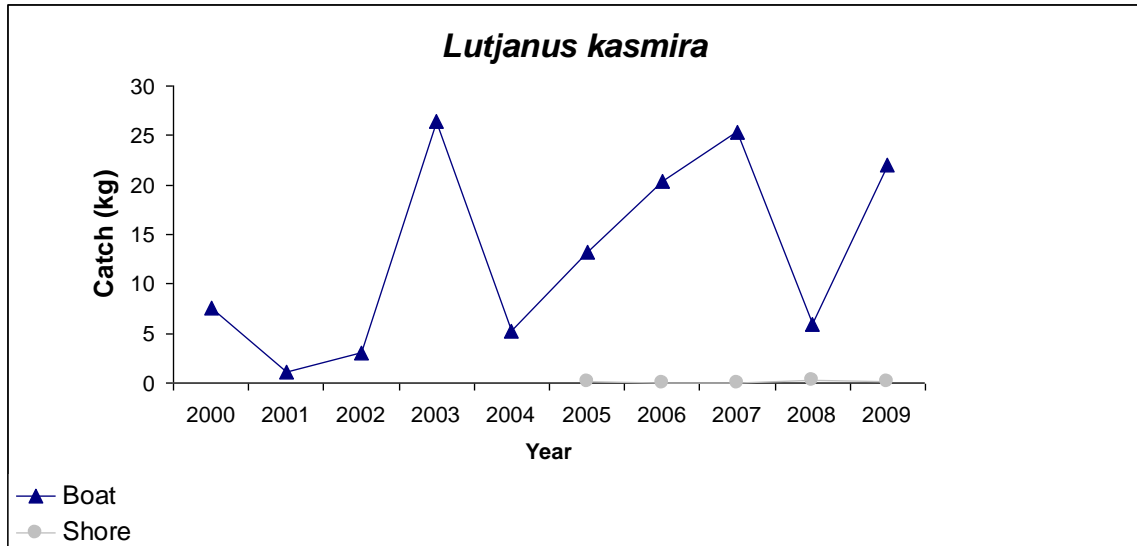
Last Five Years	Boat	Shore
Mean Catch (kg)	31.6	1.6
Standard Deviation	8.9	0.9
Confidence Value	7.8	0.8
Upper Bound CI	39.4	2.4
Lower Bound CI	23.8	0.8
Total Record	Boat	Shore
Mean Catch (kg)	21.4	1.6
Standard Deviation	14.9	0.9
Confidence Value	9.2	0.8
Upper Bound CI	30.7	2.4
Lower Bound CI	12.2	0.8





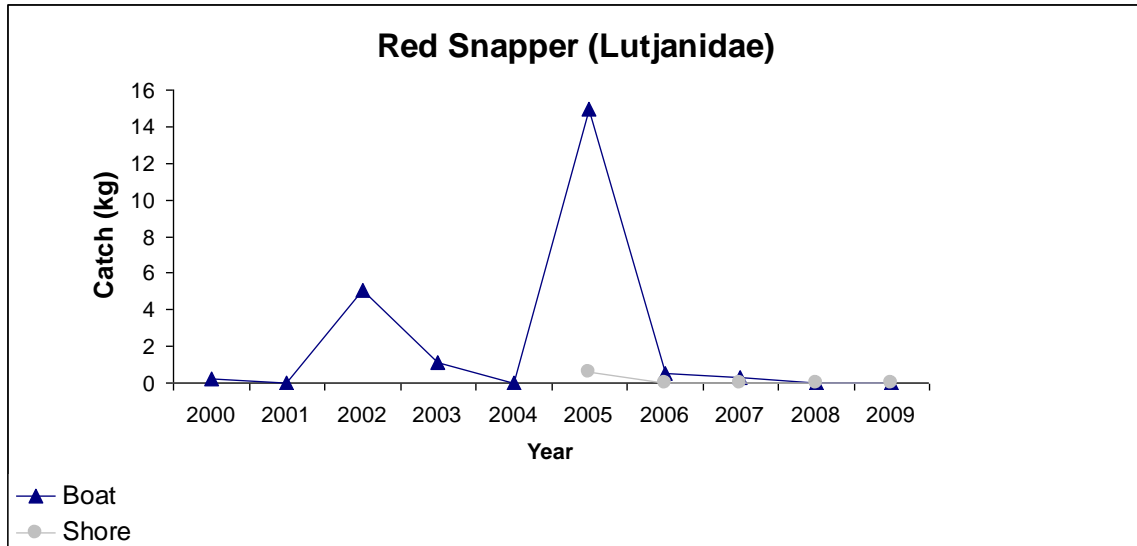
Total Record	Boat	Shore
Mean Catch (kg)	2.8	0.2
Standard Deviation	2.7	0.1
Confidence Value	1.7	0.1
Upper Bound CI	4.5	0.3
Lower Bound CI	1.1	0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	4.2	0.2
Standard Deviation	2.2	0.1
Confidence Value	2.0	0.1
Upper Bound CI	6.2	0.3
Lower Bound CI	2.2	0.1



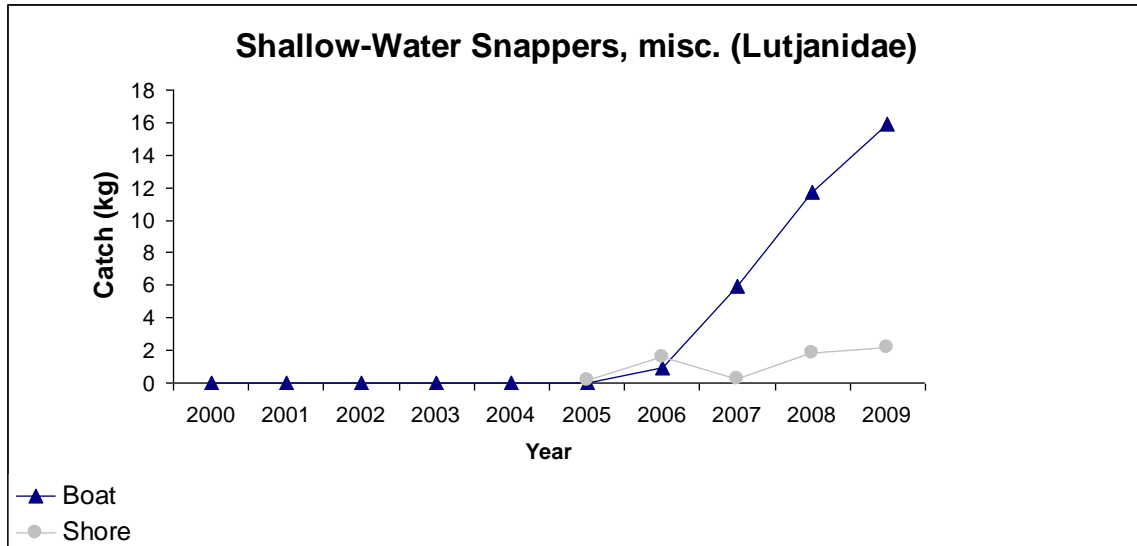
Total Record	Boat	Shore
Mean Catch (kg)	13.0	0.1
Standard Deviation	9.7	0.1
Confidence Value	6.0	0.1
Upper Bound CI	19.0	0.2
Lower Bound CI	7.0	0.0

Last Five Years	Boat	Shore
Mean Catch (kg)	17.3	0.1
Standard Deviation	7.8	0.1
Confidence Value	6.8	0.1
Upper Bound CI	24.2	0.2
Lower Bound CI	10.5	0.0



Total Record	Boat	Shore
Mean Catch (kg)	2.2	0.1
Standard Deviation	4.7	0.3
Confidence Value	2.9	0.2
Upper Bound CI	5.1	0.4
Lower Bound CI	-0.7	-0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	3.2	0.1
Standard Deviation	6.6	0.3
Confidence Value	5.8	0.2
Upper Bound CI	8.9	0.4
Lower Bound CI	-2.6	-0.1

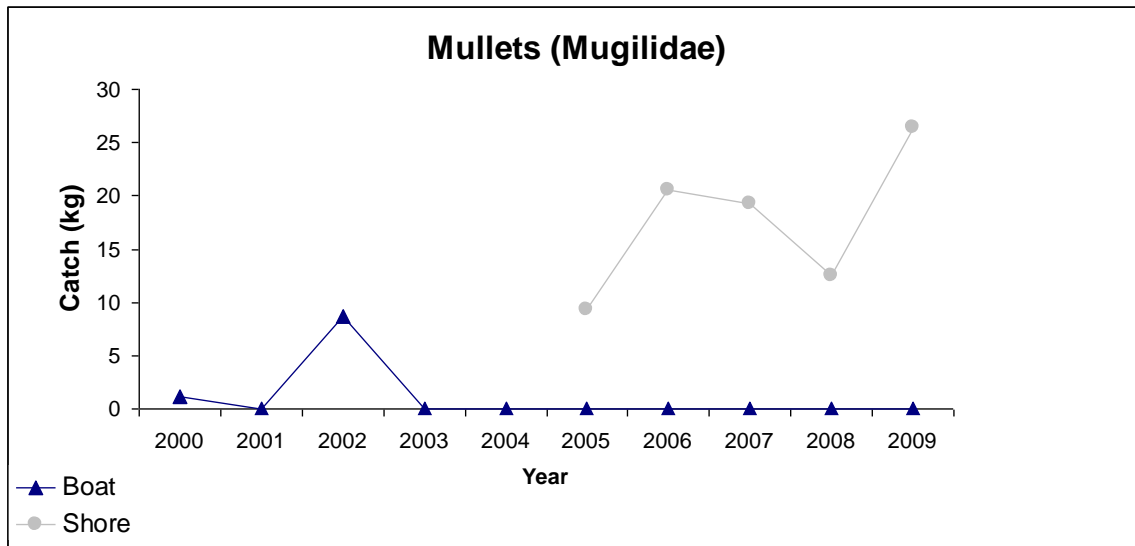


Total Record	Boat	Shore
Mean Catch (kg)	3.5	1.2
Standard Deviation	5.8	0.9
Confidence Value	3.6	0.8
Upper Bound CI	7.1	2.0
Lower Bound CI	-0.2	0.4

Last Five Years	Boat	Shore
Mean Catch (kg)	6.9	1.2
Standard Deviation	6.9	0.9
Confidence Value	6.0	0.8
Upper Bound CI	12.9	2.0
Lower Bound CI	0.9	0.4



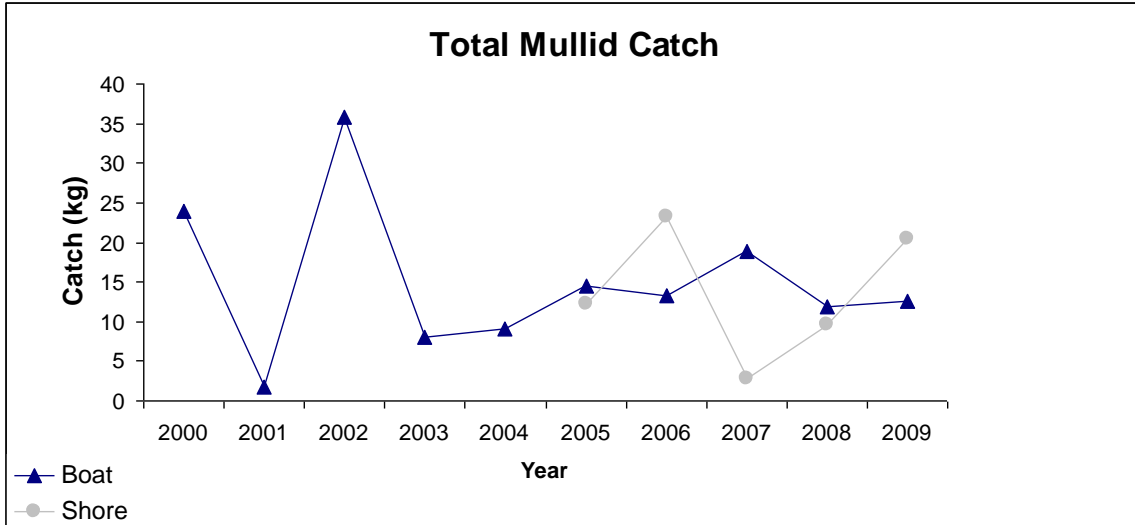
# MUGILIDAE



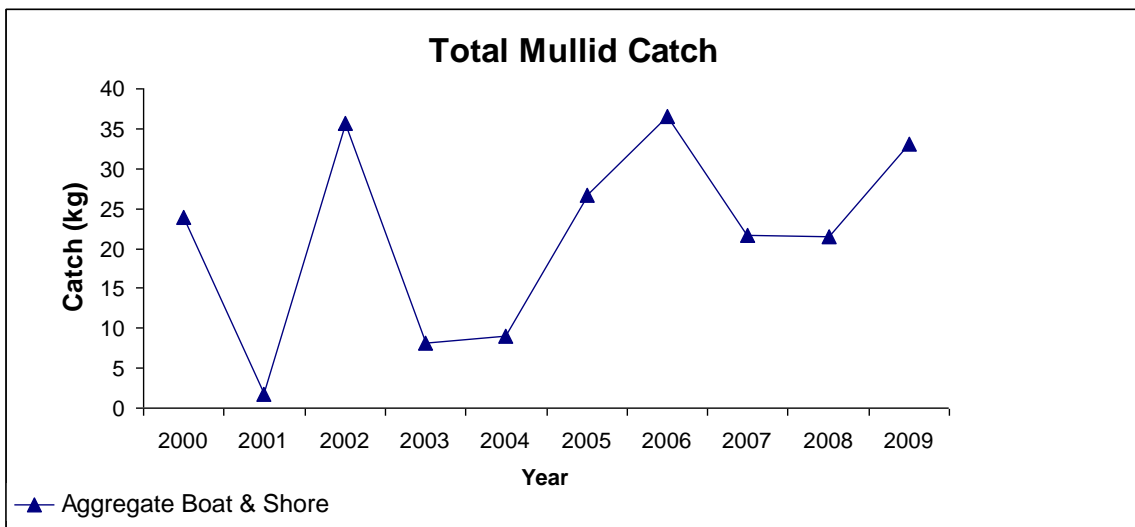
Total Record	Boat	Shore
Mean Catch (kg)	1.0	17.6
Standard Deviation	2.7	6.8
Confidence Value	1.7	5.9
Upper Bound CI	2.7	23.6
Lower Bound CI	-0.7	11.7

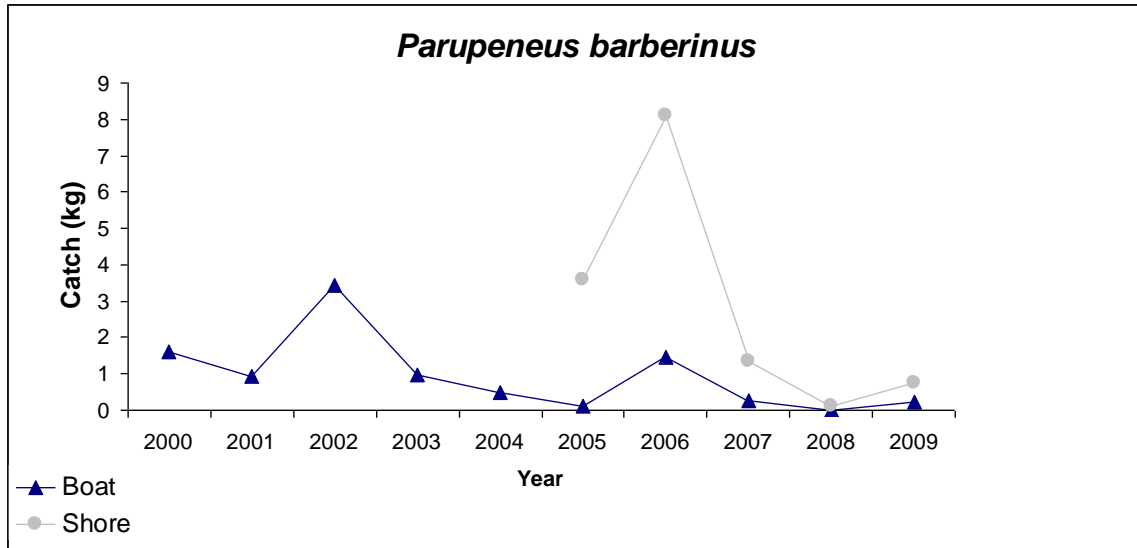
Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	17.6
Standard Deviation	0.0	6.8
Confidence Value	-	5.9
Upper Bound CI	-	23.6
Lower Bound CI	-	11.7

# MULLIDAE



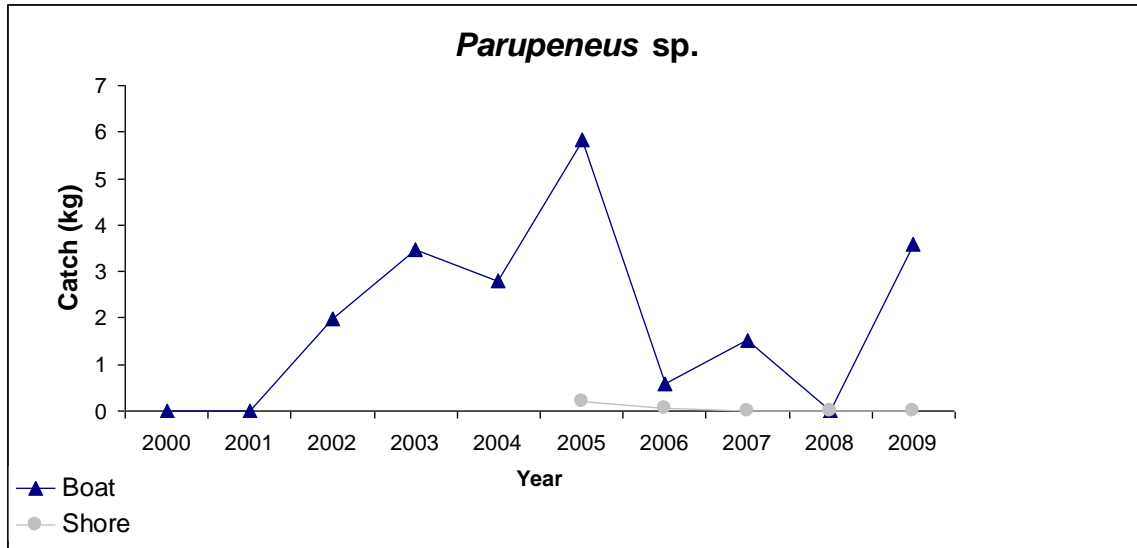
Last Five Years	Boat	Shore
Mean Catch (kg)	14.2	13.7
Standard Deviation	2.8	8.3
Confidence Value	2.4	7.2
Upper Bound CI	16.6	20.9
Lower Bound CI	11.8	6.4
Total Record	Boat	Shore
Mean Catch (kg)	14.9	13.7
Standard Deviation	9.4	8.3
Confidence Value	5.9	7.2
Upper Bound CI	20.8	20.9
Lower Bound CI	9.1	6.4





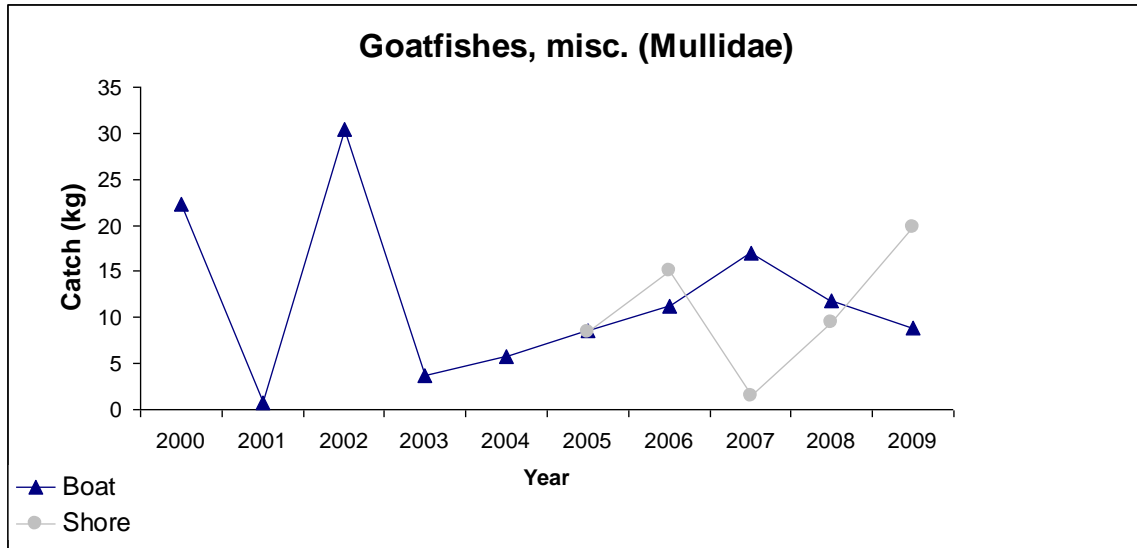
Total Record	Boat	Shore
Mean Catch (kg)	1.0	2.8
Standard Deviation	1.0	3.3
Confidence Value	0.6	2.9
Upper Bound CI	1.6	5.6
Lower Bound CI	0.3	-0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	0.4	2.8
Standard Deviation	0.6	3.3
Confidence Value	0.5	2.9
Upper Bound CI	0.9	5.6
Lower Bound CI	-0.1	-0.1



Total Record	Boat	Shore
Mean Catch (kg)	2.0	0.1
Standard Deviation	2.0	0.1
Confidence Value	1.2	0.1
Upper Bound CI	3.2	0.1
Lower Bound CI	0.8	0.0

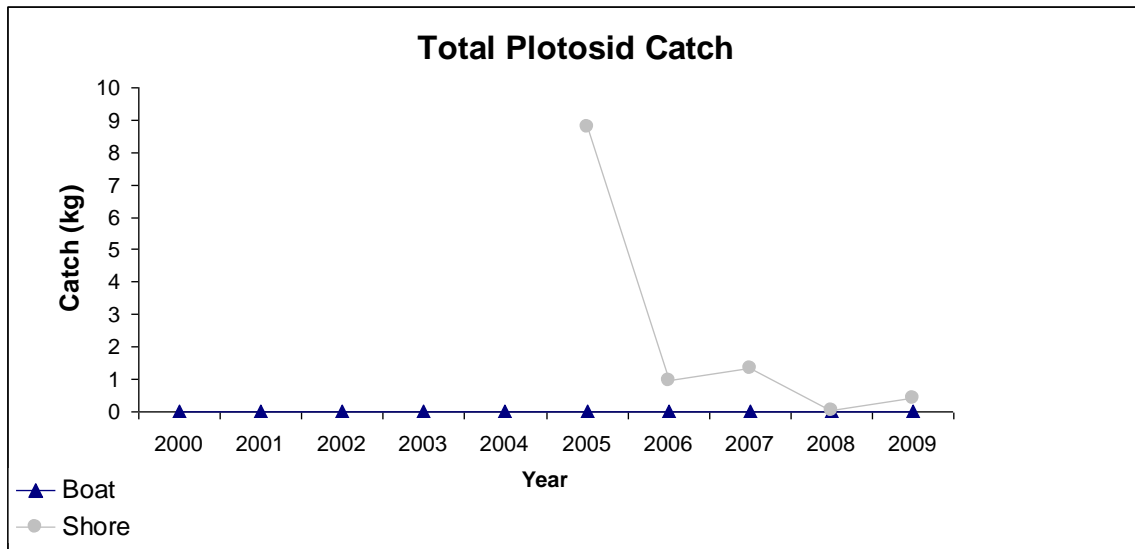
Last Five Years	Boat	Shore
Mean Catch (kg)	2.3	0.1
Standard Deviation	2.4	0.1
Confidence Value	2.1	0.1
Upper Bound CI	4.4	0.1
Lower Bound CI	0.2	0.0



Total Record	Boat	Shore
Mean Catch (kg)	12.0	10.8
Standard Deviation	9.0	6.9
Confidence Value	5.6	6.1
Upper Bound CI	17.6	16.9
Lower Bound CI	6.5	4.8

Last Five Years	Boat	Shore
Mean Catch (kg)	11.5	10.8
Standard Deviation	3.4	6.9
Confidence Value	3.0	6.1
Upper Bound CI	14.5	16.9
Lower Bound CI	8.5	4.8

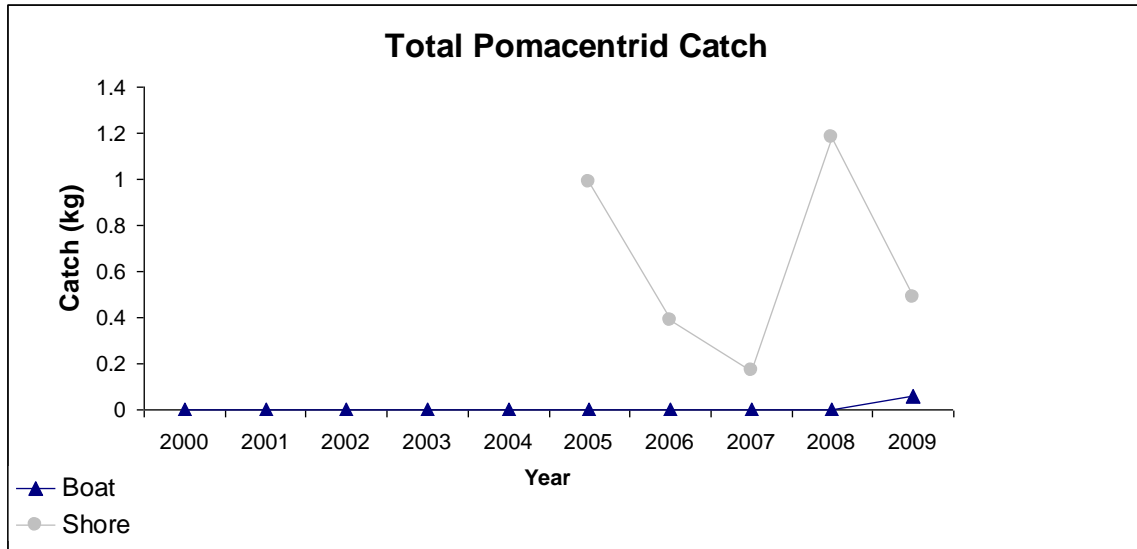
# PLOTOSIDAE



Total Record	Boat	Shore
Mean Catch (kg)	0.0	2.3
Standard Deviation	0.0	3.7
Confidence Value	-	3.2
Upper Bound CI	-	5.5
Lower Bound CI	-	-0.9

Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	2.3
Standard Deviation	0.0	3.7
Confidence Value	-	3.2
Upper Bound CI	-	5.5
Lower Bound CI	-	-0.9

# POMACENTRIDAE

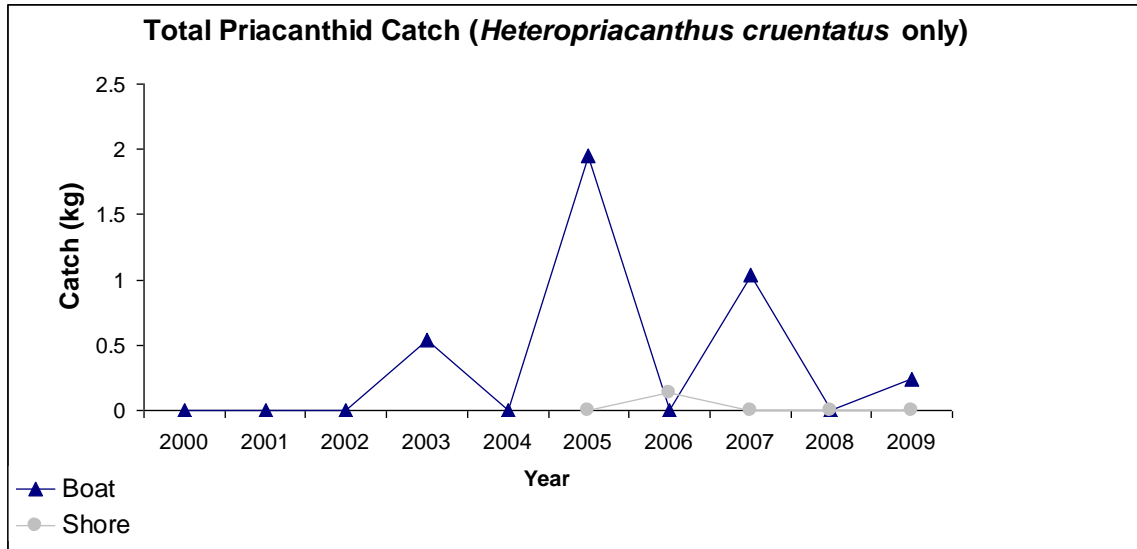


Total Record	Boat	Shore
Mean Catch (kg)	0.0	0.6
Standard Deviation	0.0	0.4
Confidence Value	0.0	0.4
Upper Bound CI	0.0	1.0
Lower Bound CI	0.0	0.3

Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	0.6
Standard Deviation	0.0	0.4
Confidence Value	0.0	0.4
Upper Bound CI	0.0	1.0
Lower Bound CI	0.0	0.3



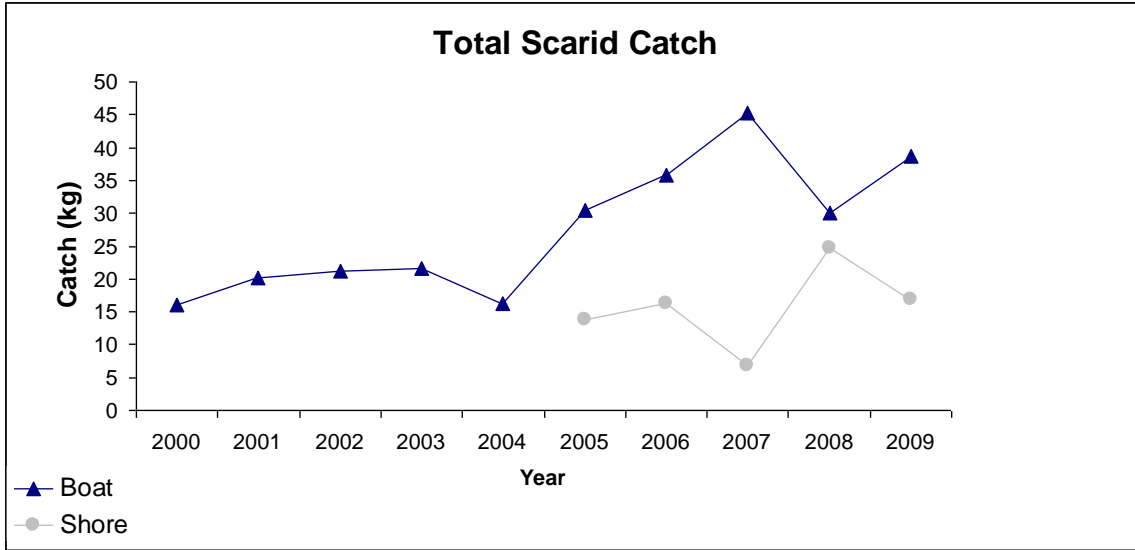
# PRIACANTHIDAE



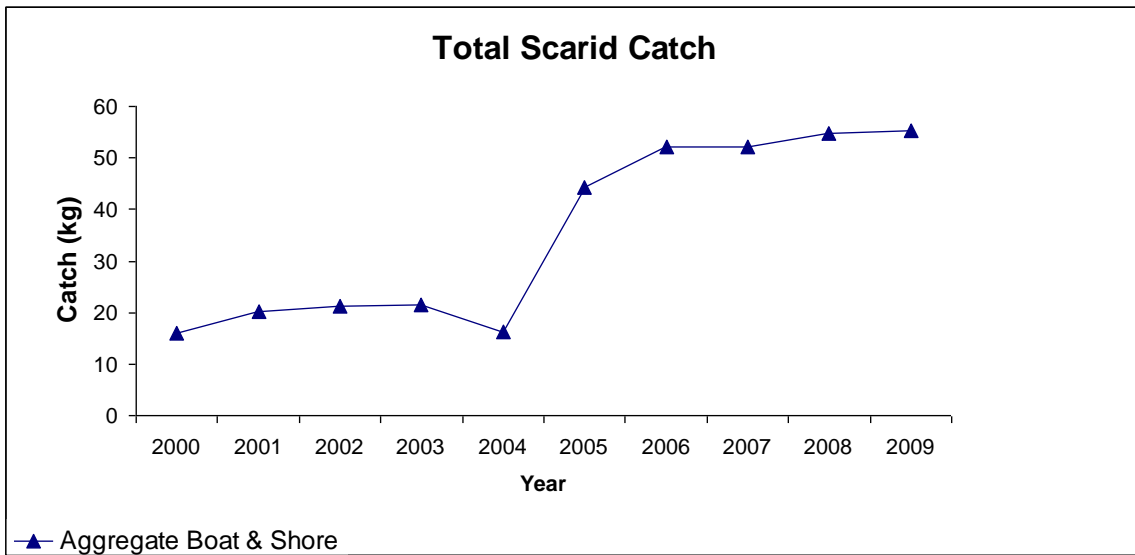
Total Record	Boat	Shore
Mean Catch (kg)	0.4	0.0
Standard Deviation	0.7	0.1
Confidence Value	0.4	0.1
Upper Bound CI	0.8	0.1
Lower Bound CI	0.0	0.0

Last Five Years	Boat	Shore
Mean Catch (kg)	0.6	0.0
Standard Deviation	0.8	0.1
Confidence Value	0.7	0.1
Upper Bound CI	1.4	0.1
Lower Bound CI	-0.1	0.0

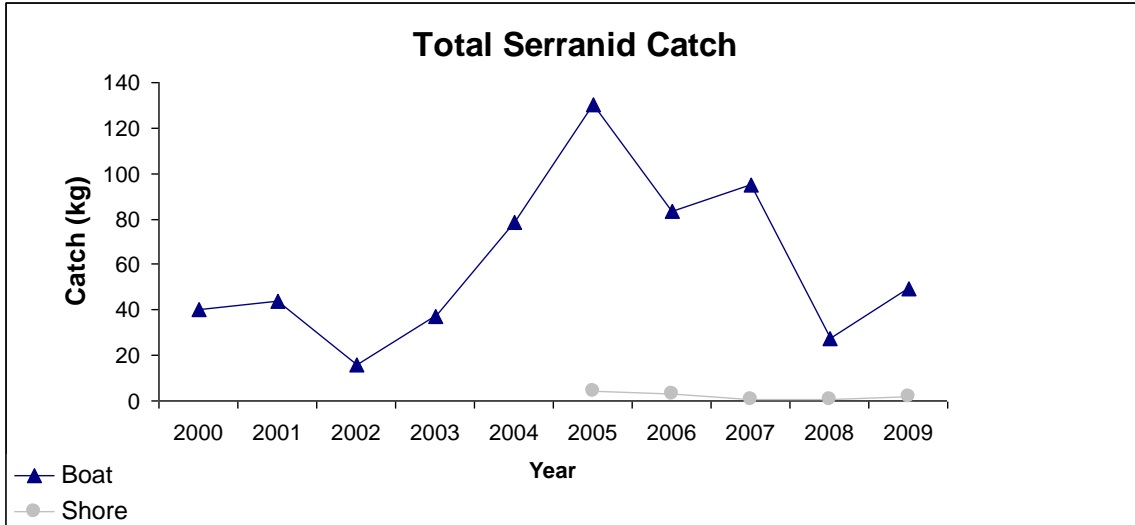
# SCARIDAE



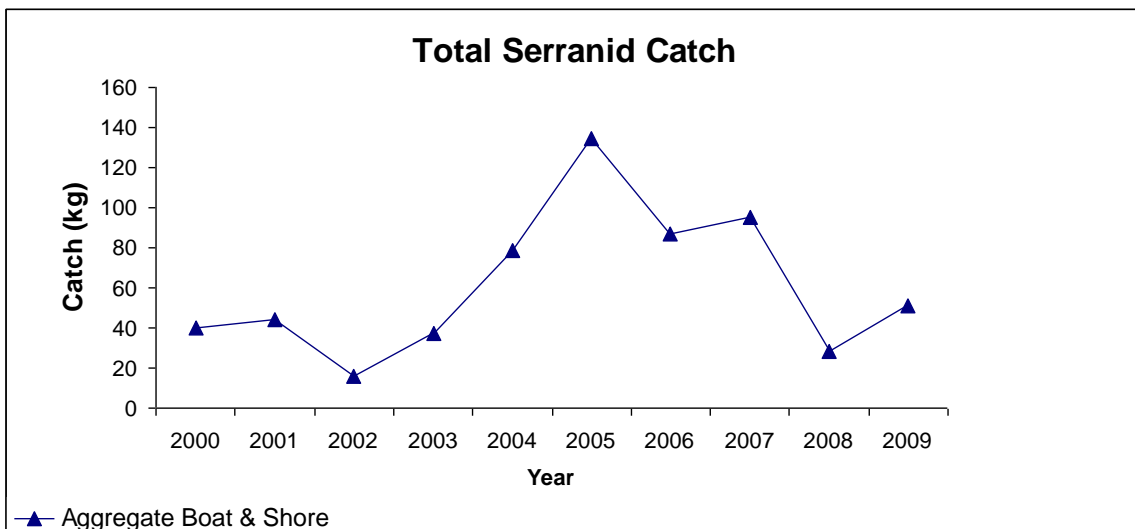
Last Five Years	Boat	Shore
Mean Catch (kg)	36.0	15.7
Standard Deviation	6.3	6.5
Confidence Value	5.5	5.7
Upper Bound CI	41.6	21.3
Lower Bound CI	30.5	10.0
Total record	Boat	Shore
Mean Catch (kg)	27.6	15.7
Standard Dev.	10.0	6.5
Confidence Value	6.2	5.7
Upper Bound CI	33.8	21.3
Lower Bound CI	21.3	10.0

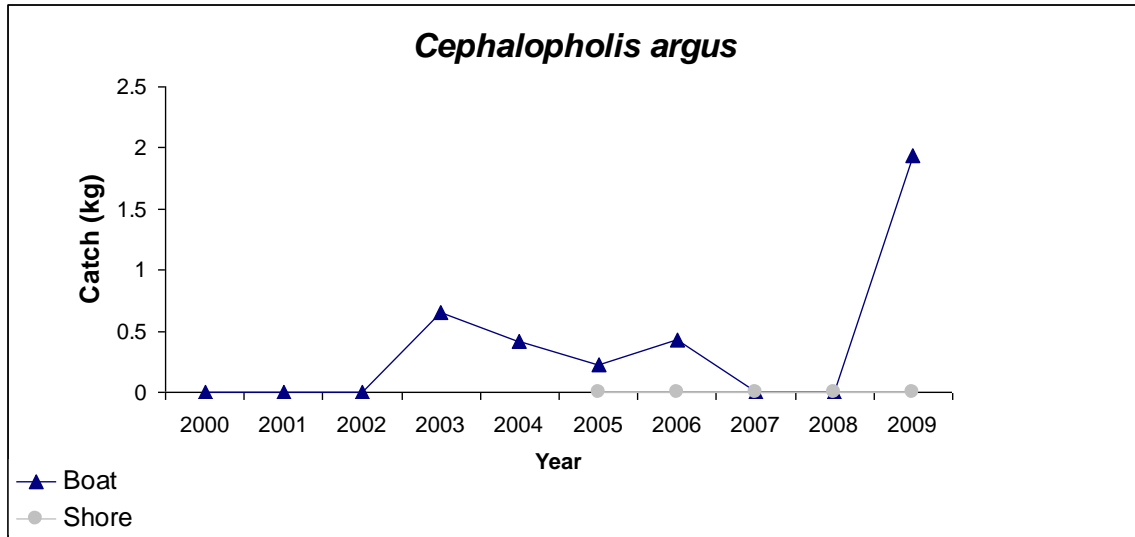


# SERRANIDAE



Last Five Years	Boat	Shore
Mean Catch (kg)	77.2	2.1
Standard Deviation	40.0	1.7
Confidence Value	35.1	1.5
Upper Bound CI	112.2	3.6
Lower Bound CI	42.1	0.6
Total Record	Boat	Shore
Mean Catch (kg)	60.1	2.1
Standard Deviation	35.5	1.7
Confidence Value	22.0	1.5
Upper Bound CI	82.1	3.6
Lower Bound CI	38.1	0.6

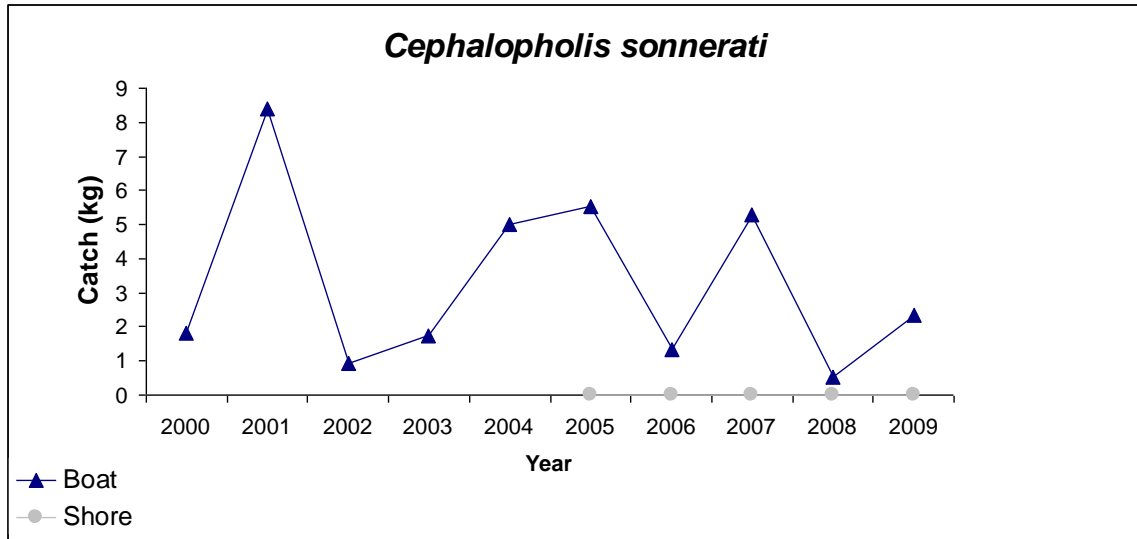




Total Record	Boat	Shore
Mean Catch (kg)	0.4	0.0
Standard Deviation	0.6	0.0
Confidence Value	0.4	-
Upper Bound CI	0.7	-
Lower Bound CI	0.0	-

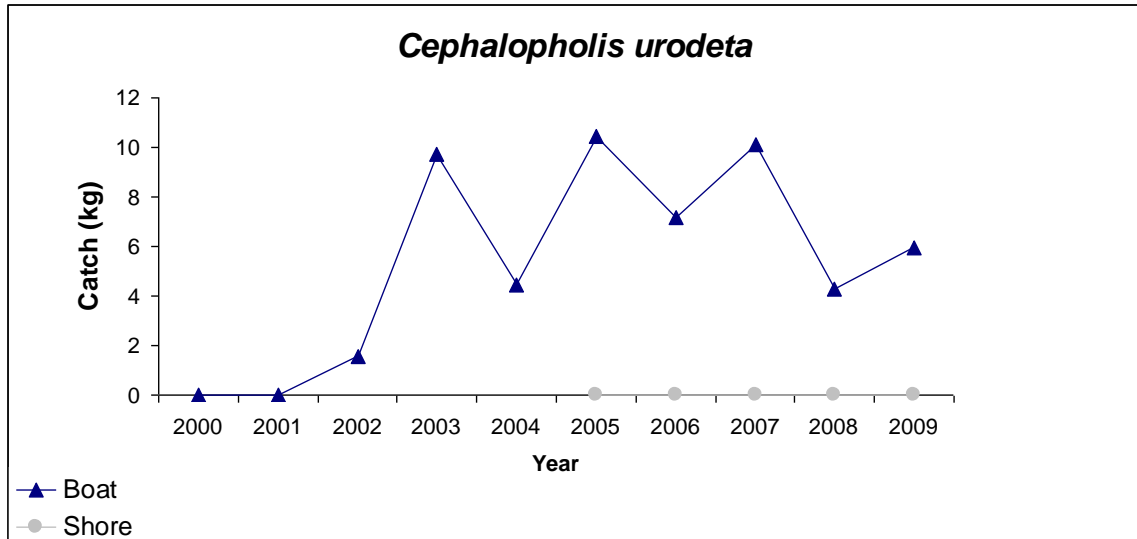
Last Five Years	Boat	Shore
Mean Catch (kg)	0.5	0.0
Standard Deviation	0.8	0.0
Confidence Value	0.7	-
Upper Bound CI	1.2	-
Lower Bound CI	-0.2	-



Total Record	Boat	Shore
Mean Catch (kg)	3.3	0.0
Standard Deviation	2.6	0.0
Confidence Value	1.6	-
Upper Bound CI	4.9	-
Lower Bound CI	1.7	-

Last Five Years	Boat	Shore
Mean Catch (kg)	3.0	0.0
Standard Deviation	2.3	0.0
Confidence Value	2.0	-
Upper Bound CI	5.0	-
Lower Bound CI	1.0	-

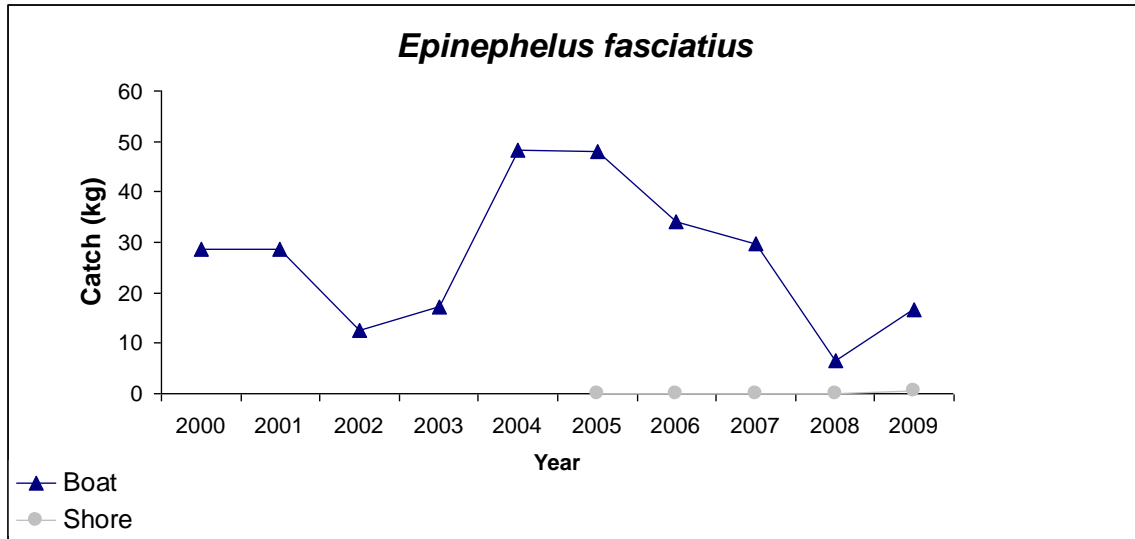


Total Record	Boat	Shore
Mean Catch (kg)	5.4	0.0
Standard Deviation	4.0	0.0
Confidence Value	2.5	-
Upper Bound CI	7.9	-
Lower Bound CI	2.9	-

Last Five Years	Boat	Shore
Mean Catch (kg)	7.6	0.0
Standard Deviation	2.7	0.0
Confidence Value	2.3	-
Upper Bound CI	9.9	-
Lower Bound CI	5.3	-

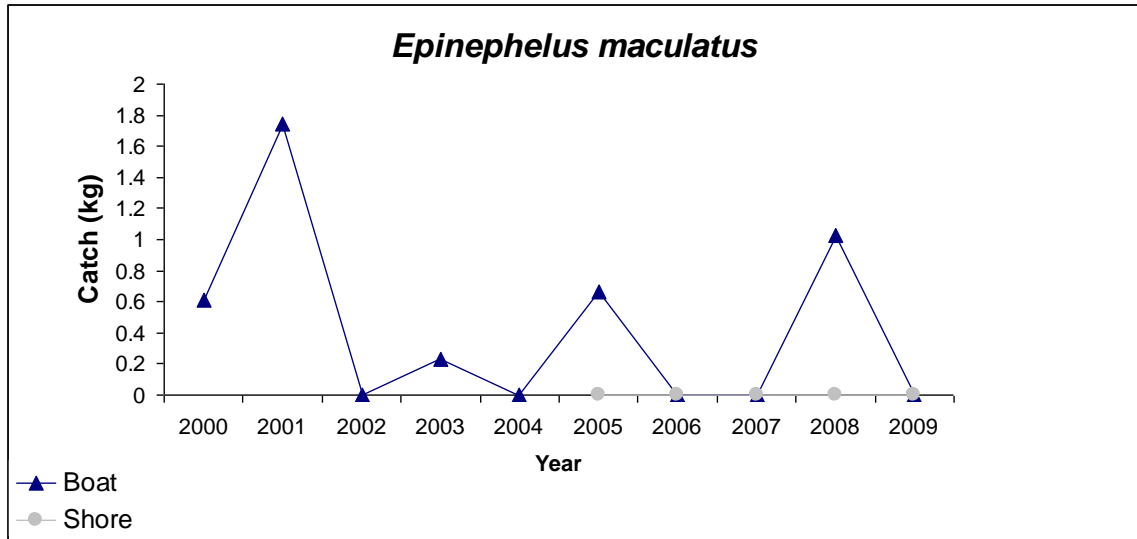




Total Record	Boat	Shore
Mean Catch (kg)	27.0	0.1
Standard Deviation	14.1	0.3
Confidence Value	8.7	0.2
Upper Bound CI	35.8	0.3
Lower Bound CI	18.3	-0.1

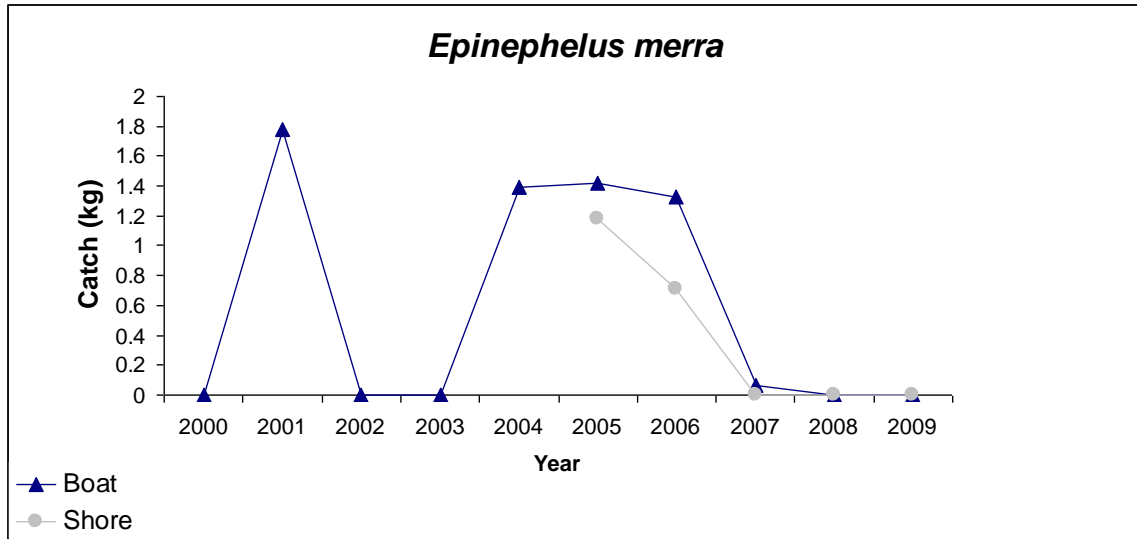
Last Five Years	Boat	Shore
Mean Catch (kg)	27.0	0.1
Standard Deviation	16.1	0.3
Confidence Value	14.1	0.2
Upper Bound CI	41.1	0.3
Lower Bound CI	12.9	-0.1



Total Record	Boat	Shore
Mean Catch (kg)	0.4	0.0
Standard Deviation	0.6	0.0
Confidence Value	0.4	-
Upper Bound CI	0.8	-
Lower Bound CI	0.1	-

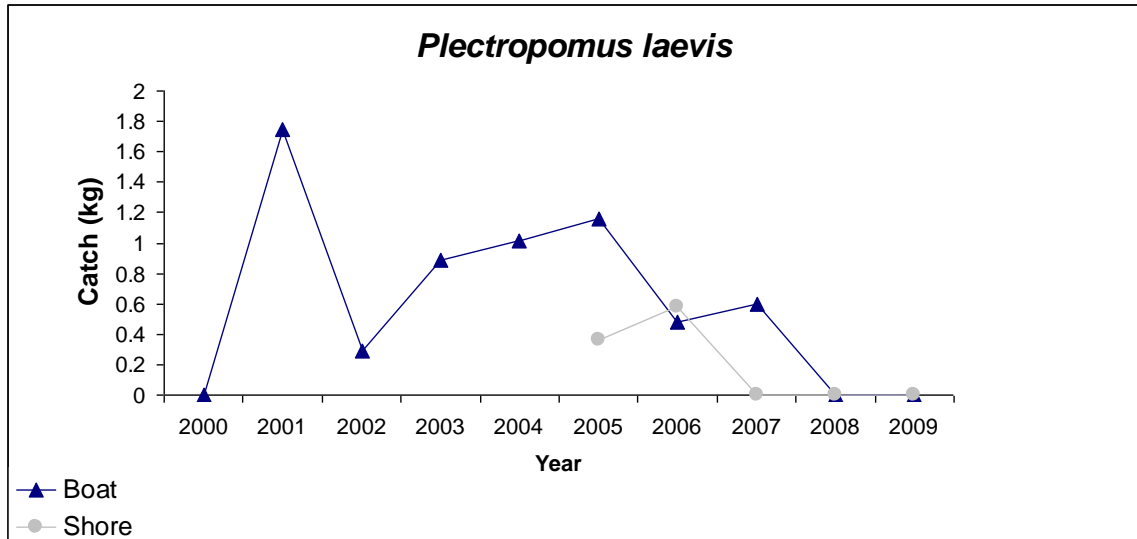
Last Five Years	Boat	Shore
Mean Catch (kg)	0.3	0.0
Standard Deviation	0.5	0.0
Confidence Value	0.4	-
Upper Bound CI	0.8	-
Lower Bound CI	-0.1	-



Total Record	Boat	Shore
Mean Catch (kg)	0.6	0.4
Standard Deviation	0.8	0.5
Confidence Value	0.5	0.5
Upper Bound CI	1.1	0.9
Lower Bound CI	0.1	-0.1

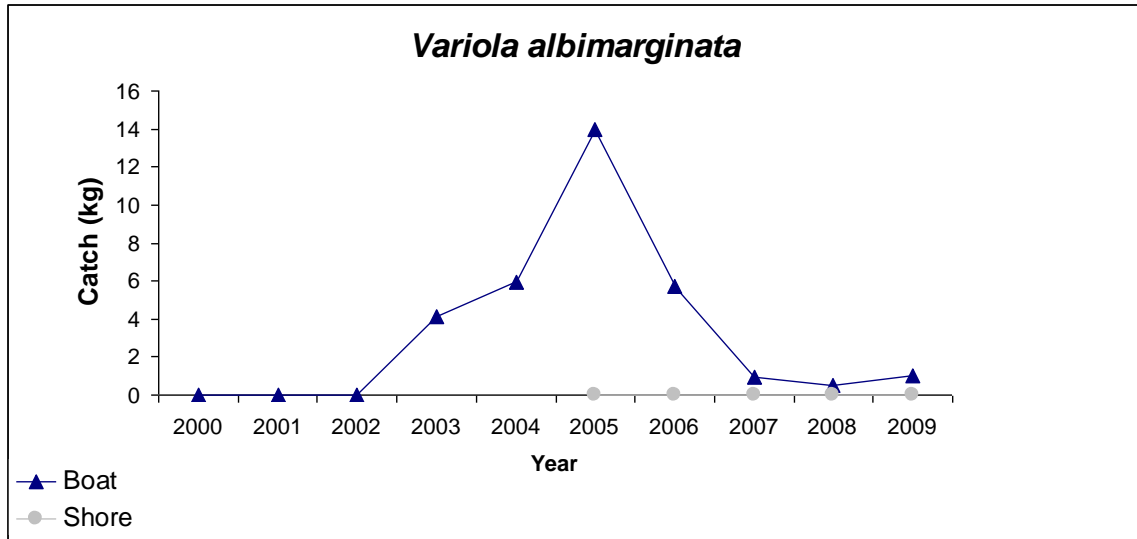
Last Five Years	Boat	Shore
Mean Catch (kg)	0.6	0.4
Standard Deviation	0.7	0.5
Confidence Value	0.7	0.5
Upper Bound CI	1.2	0.9
Lower Bound CI	-0.1	-0.1



Total Record	Boat	Shore
Mean Catch (kg)	0.6	0.2
Standard Deviation	0.6	0.3
Confidence Value	0.4	0.2
Upper Bound CI	1.0	0.4
Lower Bound CI	0.3	0.0

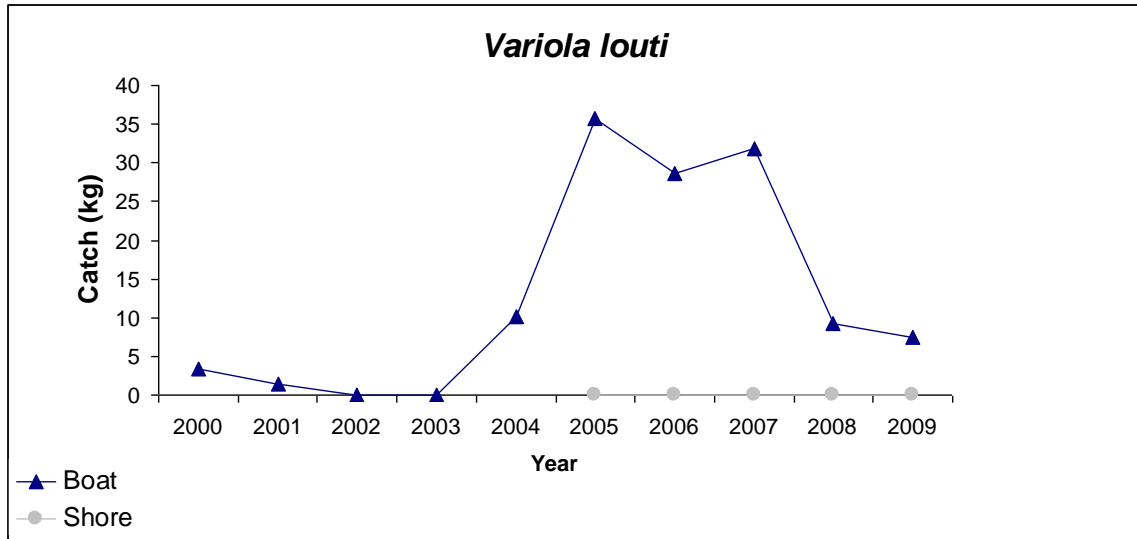
Last Five Years	Boat	Shore
Mean Catch (kg)	0.4	0.2
Standard Deviation	0.5	0.3
Confidence Value	0.4	0.2
Upper Bound CI	0.9	0.4
Lower Bound CI	0.0	0.0



Total Record	Boat	Shore
Mean Catch (kg)	3.2	0.0
Standard Deviation	4.5	0.0
Confidence Value	2.8	-
Upper Bound CI	6.0	-
Lower Bound CI	0.5	-

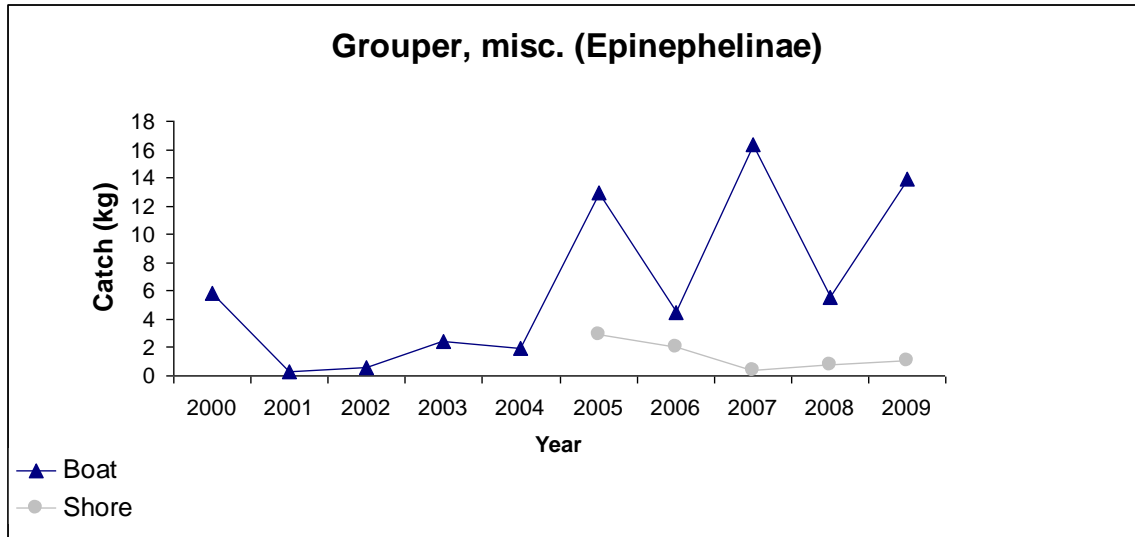
Last Five Years	Boat	Shore
Mean Catch (kg)	4.4	0.0
Standard Deviation	5.7	0.0
Confidence Value	5.0	-
Upper Bound CI	9.5	-
Lower Bound CI	-0.6	-



Total Record	Boat	Shore
Mean Catch (kg)	12.8	0.0
Standard Deviation	13.9	0.0
Confidence Value	8.6	-
Upper Bound CI	21.4	-
Lower Bound CI	4.2	-

Last Five Years	Boat	Shore
Mean Catch (kg)	22.6	0.0
Standard Deviation	13.2	0.0
Confidence Value	11.6	-
Upper Bound CI	34.2	-
Lower Bound CI	11.0	-



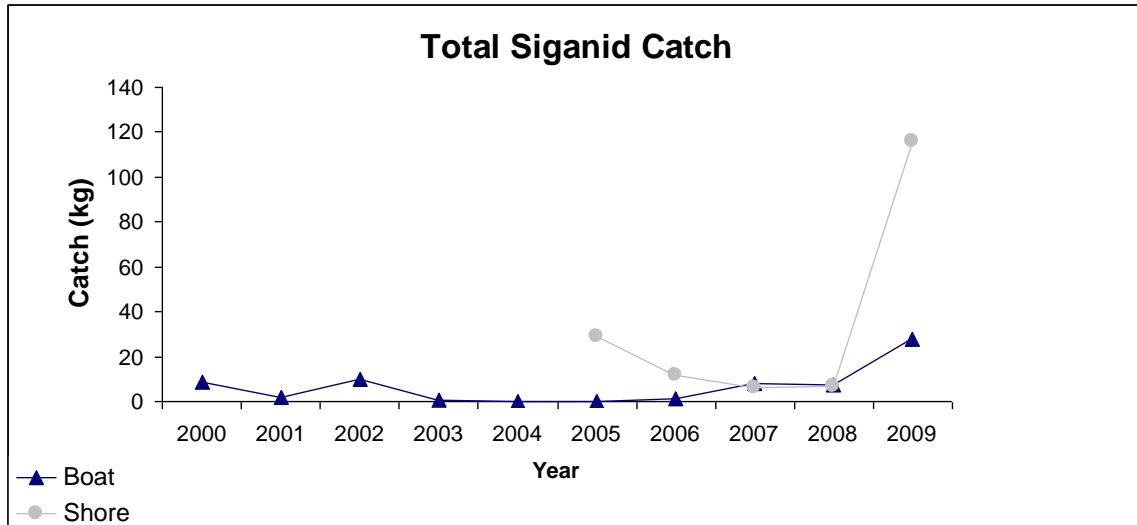
Total Record	Boat	Shore
Mean Catch (kg)	6.4	1.4
Standard Deviation	5.9	1.0
Confidence Value	3.6	0.9
Upper Bound CI	10.1	2.3
Lower Bound CI	2.8	0.5

Last Five Years	Boat	Shore
Mean Catch (kg)	10.6	1.4
Standard Deviation	5.3	1.0
Confidence Value	4.7	0.9
Upper Bound CI	15.3	2.3
Lower Bound CI	6.0	0.5

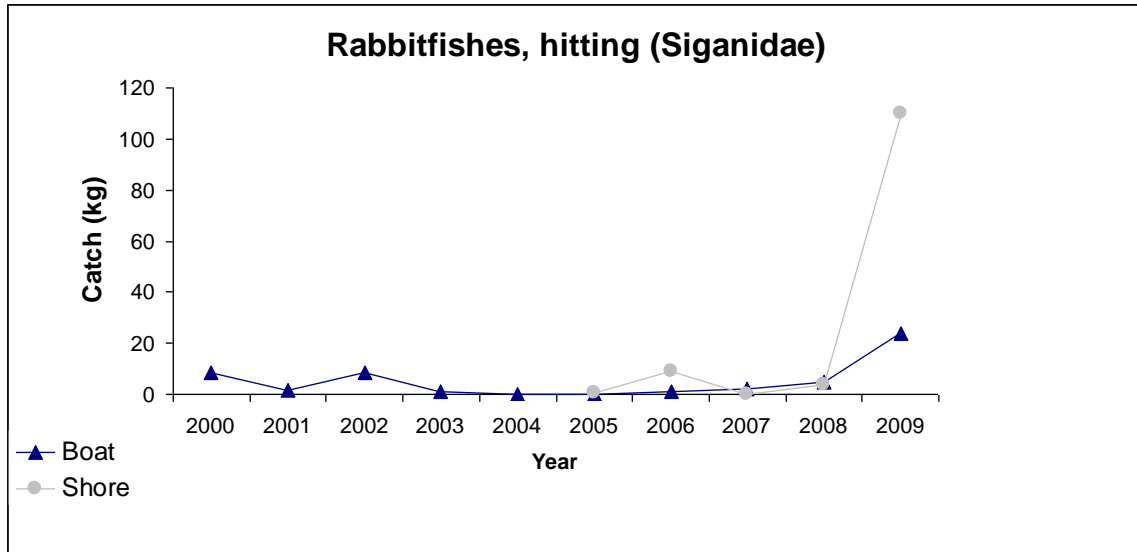
# SIGANIDAE





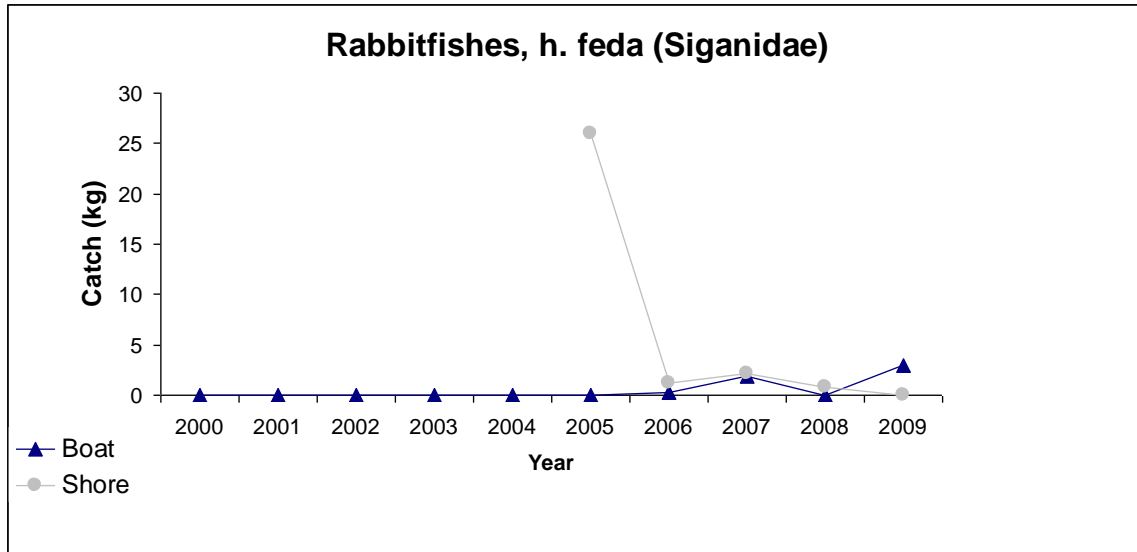
Last Five Years	Boat	Shore
Mean Catch (kg)	9.0	33.8
Standard Deviation	11.1	46.7
Confidence Value	9.8	40.9
Upper Bound CI	18.8	74.7
Lower Bound CI	-0.7	-7.1

Total record	10	
Total Record	Boat	Shore
Mean Catch (kg)	6.6	33.8
Standard Deviation	8.4	46.7
Confidence Value	5.2	40.9
Upper Bound CI	11.8	74.7
Lower Bound CI	1.4	-7.1



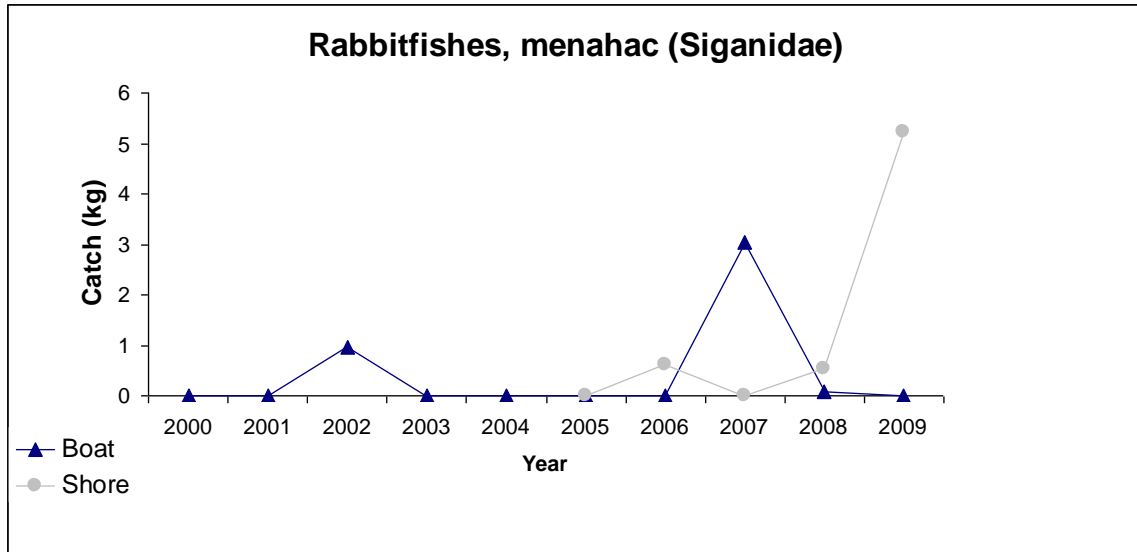
Total Record	Boat	Shore
Mean Catch (kg)	5.2	24.6
Standard Deviation	7.4	47.8
Confidence Value	4.6	41.9
Upper Bound CI	9.7	66.5
Lower Bound CI	0.6	-17.3

Last Five Years	Boat	Shore
Mean Catch (kg)	6.3	24.6
Standard Deviation	10.0	47.8
Confidence Value	8.8	41.9
Upper Bound CI	15.1	66.5
Lower Bound CI	-2.4	-17.3



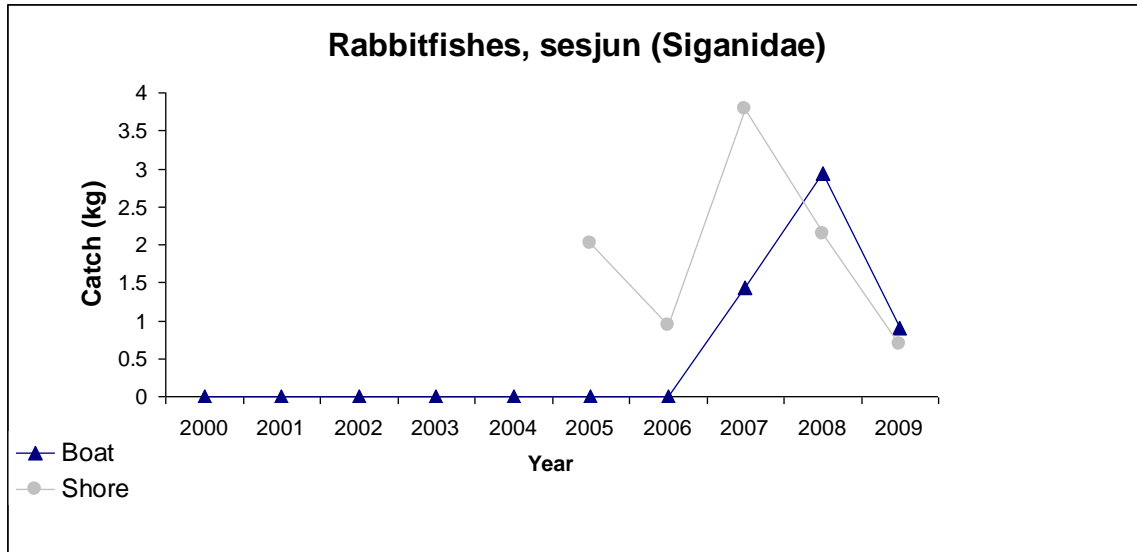
Total Record	Boat	Shore
Mean Catch (kg)	0.5	6.0
Standard Deviation	1.0	11.2
Confidence Value	0.6	9.8
Upper Bound CI	1.2	15.8
Lower Bound CI	-0.1	-3.8

Last Five Years	Boat	Shore
Mean Catch (kg)	1.0	6.0
Standard Deviation	1.3	11.2
Confidence Value	1.2	9.8
Upper Bound CI	2.2	15.8
Lower Bound CI	-0.1	-3.8



Total Record	Boat	Shore
Mean Catch (kg)	0.4	1.3
Standard Deviation	1.0	2.2
Confidence Value	0.6	2.0
Upper Bound CI	1.0	3.2
Lower Bound CI	-0.2	-0.7

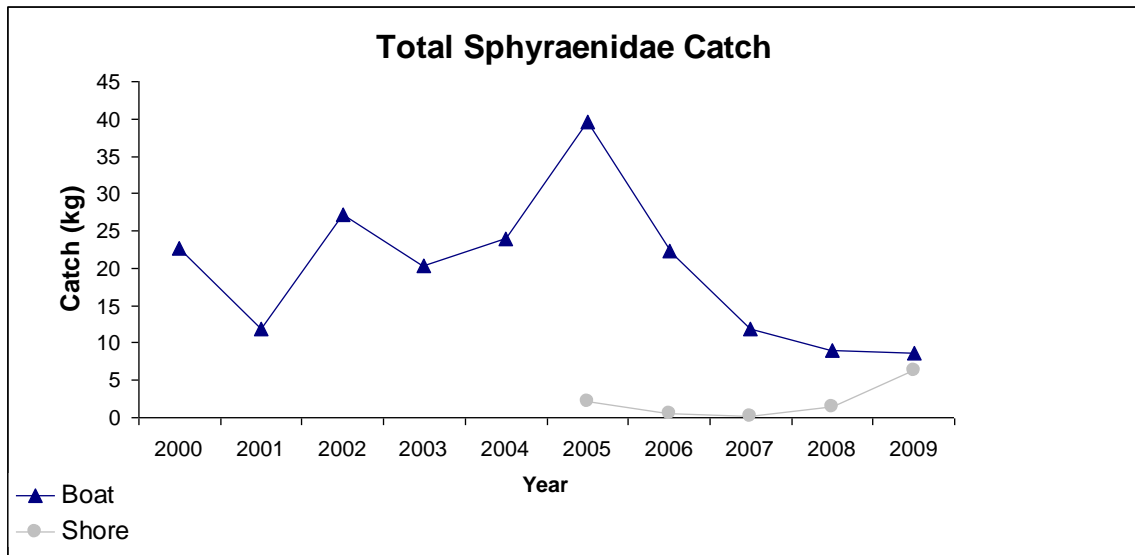
Last Five Years	Boat	Shore
Mean Catch (kg)	0.6	1.3
Standard Deviation	1.3	2.2
Confidence Value	1.2	2.0
Upper Bound CI	1.8	3.2
Lower Bound CI	-0.6	-0.7



Total Record	Boat	Shore
Mean Catch (kg)	0.5	1.9
Standard Deviation	1.0	1.2
Confidence Value	0.6	1.1
Upper Bound CI	1.1	3.0
Lower Bound CI	-0.1	0.8

Last Five Years	Boat	Shore
Mean Catch (kg)	1.1	1.9
Standard Deviation	1.2	1.2
Confidence Value	1.1	1.1
Upper Bound CI	2.1	3.0
Lower Bound CI	0.0	0.8

# SPHYRAENIDAE

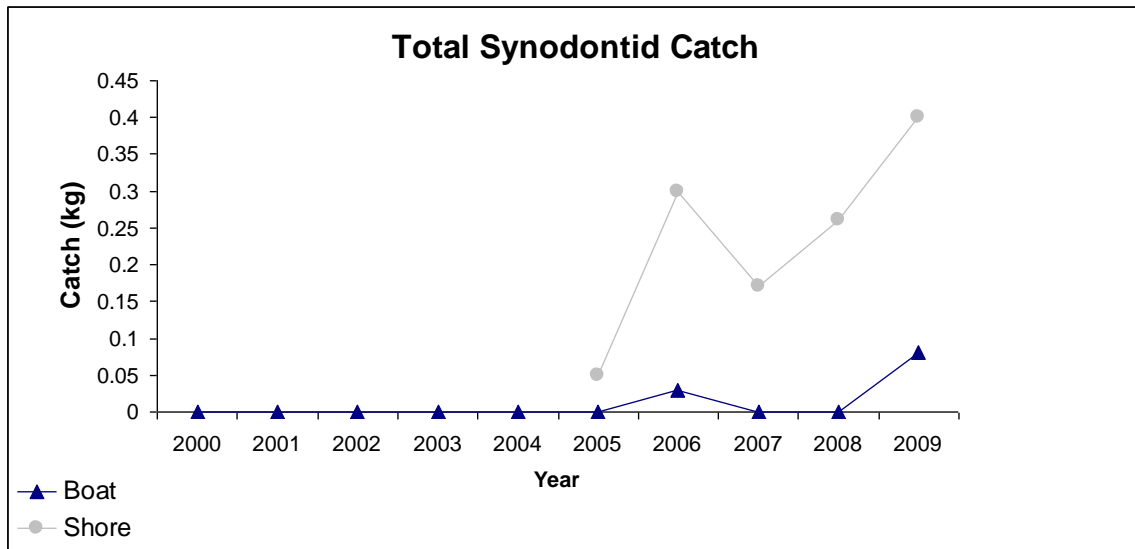


Total Record	Boat	Shore
Mean Catch (kg)	19.7	2.1
Standard Deviation	9.7	2.5
Confidence Value	6.0	2.2
Upper Bound CI	25.7	4.3
Lower Bound CI	13.8	-0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	18.3	2.1
Standard Deviation	13.1	2.5
Confidence Value	11.5	2.2
Upper Bound CI	29.8	4.3
Lower Bound CI	6.8	-0.1

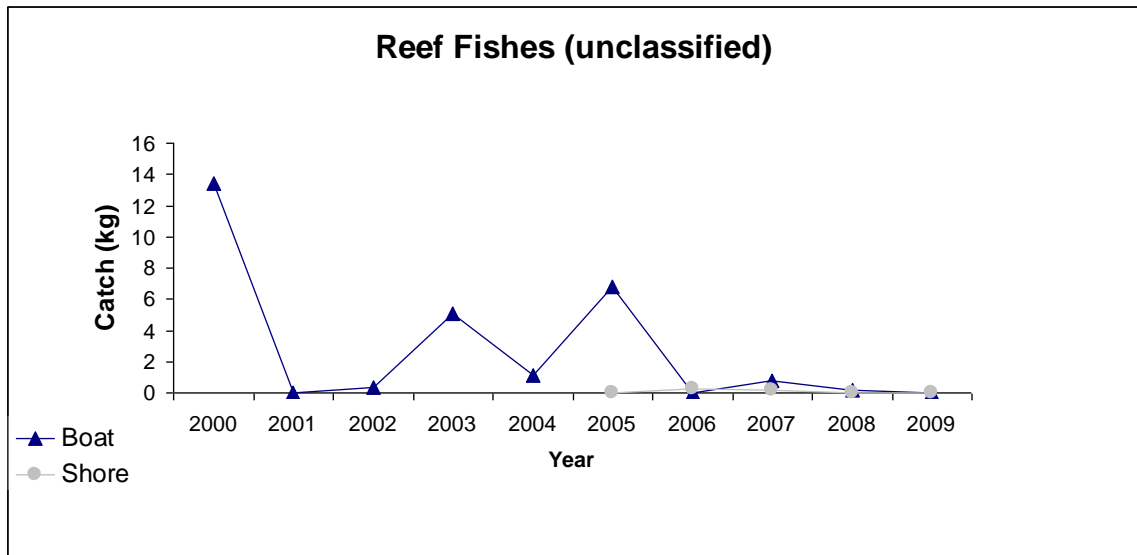
# SYNODONTIDAE



Total Record	Boat	Shore
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.1
Confidence Value	0.0	0.1
Upper Bound CI	0.0	0.4
Lower Bound CI	0.0	0.1

Last Five Years	Boat	Shore
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.1
Confidence Value	0.0	0.1
Upper Bound CI	0.1	0.4
Lower Bound CI	0.0	0.1

# UNCLASSIFIED



Total Record	Boat	Shore
Mean Catch (kg)	2.8	0.1
Standard Deviation	4.5	0.1
Confidence Value	2.8	0.1
Upper Bound CI	5.5	0.2
Lower Bound CI	0.0	0.0

Last Five Years	Boat	Shore
Mean Catch (kg)	1.6	0.1
Standard Deviation	3.0	0.1
Confidence Value	2.6	0.1
Upper Bound CI	4.2	0.2
Lower Bound CI	-1.0	0.0



## Appendix 3A: Biomass and Catch Statistics, Guam

Table 12. Ecological and fishery statistics for Guam.

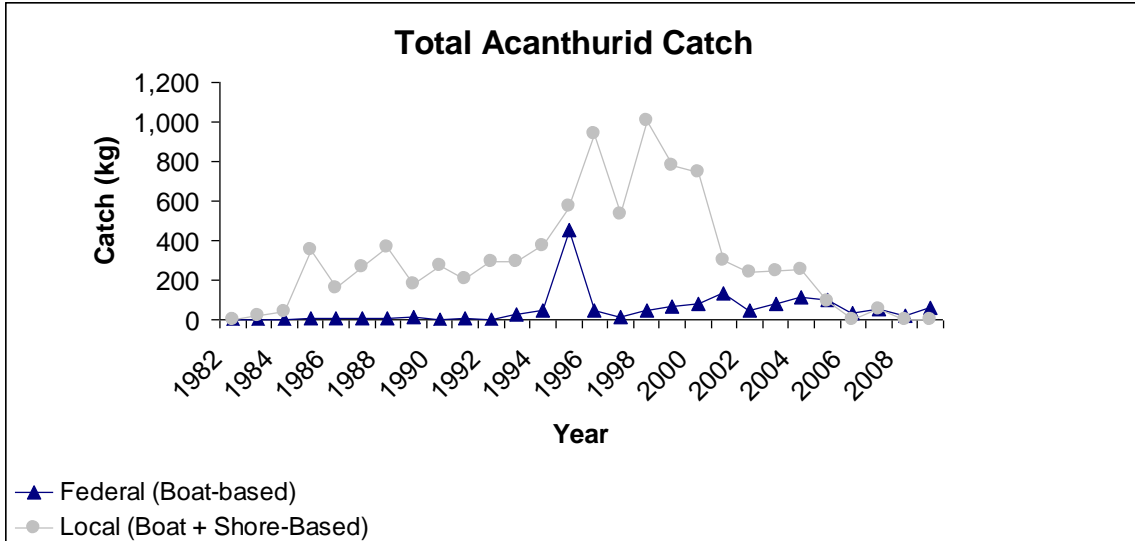
	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	
RAMP Biomass, Guam Island, 2009	263,849	11,633	86,511	5,693	4,639	113,732	
RAMP Biomass Estimate, Guam Island and Banks	381,203	17,480	129,993	13,102	6,971	173,550	
Mean Annual Catch from Expanded Creel Survey Data, 2005-2008	35,539	40,338	1,259	2,471	6,850	1,377	
Percentage Exploited (Guam Island Biomass)	13.47	346.74	1.46	43.40	147.65	1.21	
Percentage Exploited (Guam Island and Banks Biomass)	9.32	230.76	0.97	18.86	98.26	0.79	
Family Trophic Score, Weighted for Relative Abundance of Component Species (Based on Catch Record)	2.27	4.05	4.01	3.57	2.19	3.91	

	Lethrinidae	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total
RAMP Biomass, Guam Island, 2009	4,404	41,949	22,405	142,423	31,095	266,915	995,248
RAMP Biomass Estimate, Guam Island and Banks	9,300	68,000	38,462	214,732	55,319	447,900	1,401,567
Mean Annual Catch from Expanded Creel Survey Data, 2005-2008	15,537	9,050	11,112	10,301	8,794	51,443	194,068
Percentage Exploited (Guam Island Biomass)	352.75	21.57	49.60	7.23	28.28	19.27	19.50
Percentage Exploited (Guam Island and Banks Biomass)	167.06	13.31	28.89	4.80	15.90	11.49	13.85
Family Trophic Score, Weighted for Relative Abundance of Component Species (Based on Catch Record)	3.58	3.93	3.39	2.00	3.96	-	-

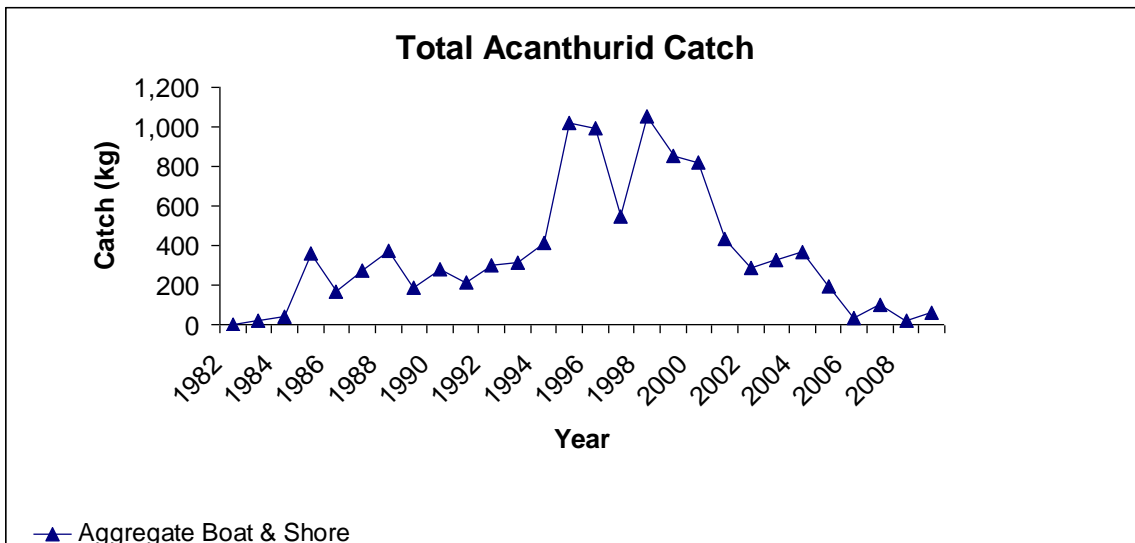
## Appendix 3B: Family and Species Catch Charts, Guam

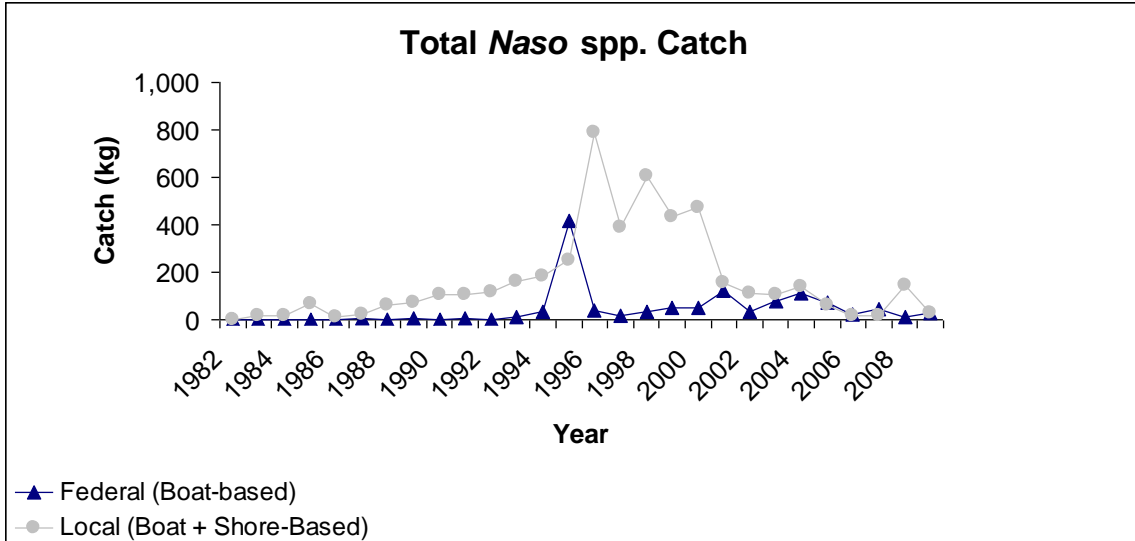
# ACANTHURIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	53.3	28.9
Standard Deviation	30.7	42.2
Confidence Value	26.9	37.0
Upper Bound CI	80.2	65.9
Lower Bound CI	26.4	-8.1

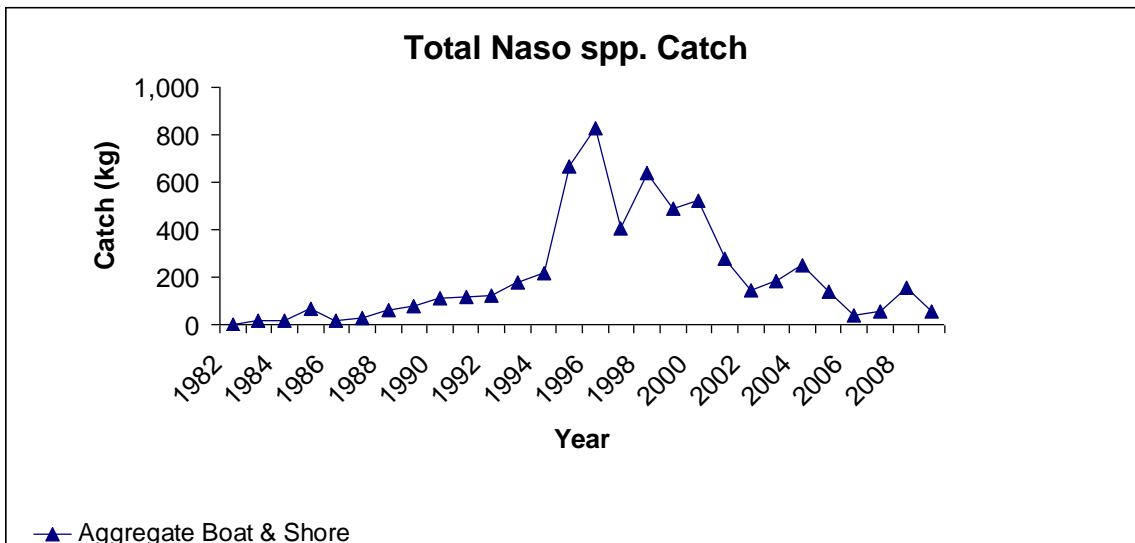
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	52.3	306.9
Standard Deviation	86.8	281.6
Confidence Value	32.1	104.3
Upper Bound CI	84.4	411.2
Lower Bound CI	20.2	202.6

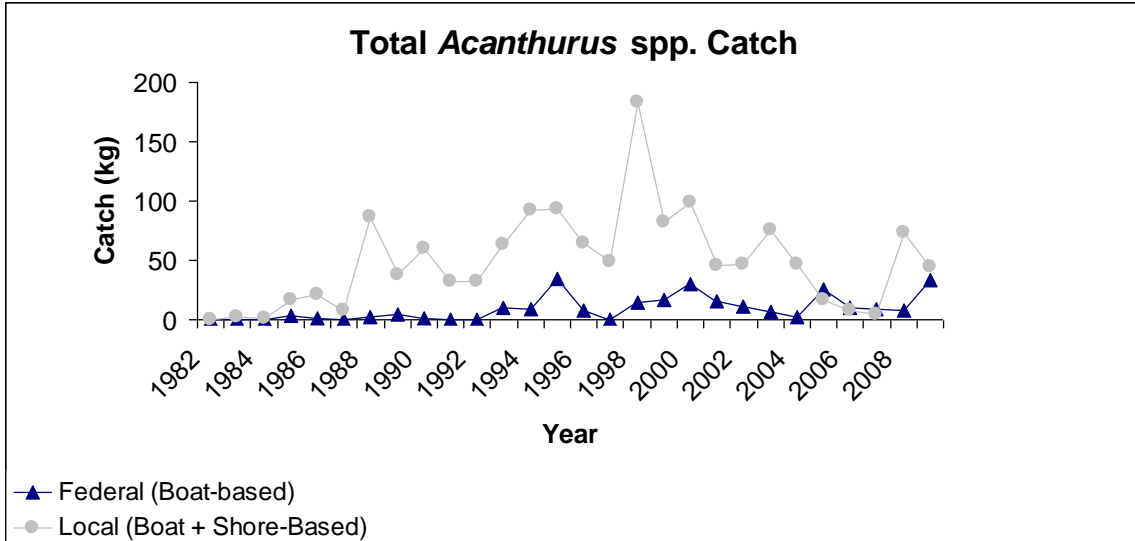




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	36.1	53.3
Standard Deviation	23.6	55.5
Confidence Value	20.7	48.6
Upper Bound CI	56.8	101.9
Lower Bound CI	15.4	4.7

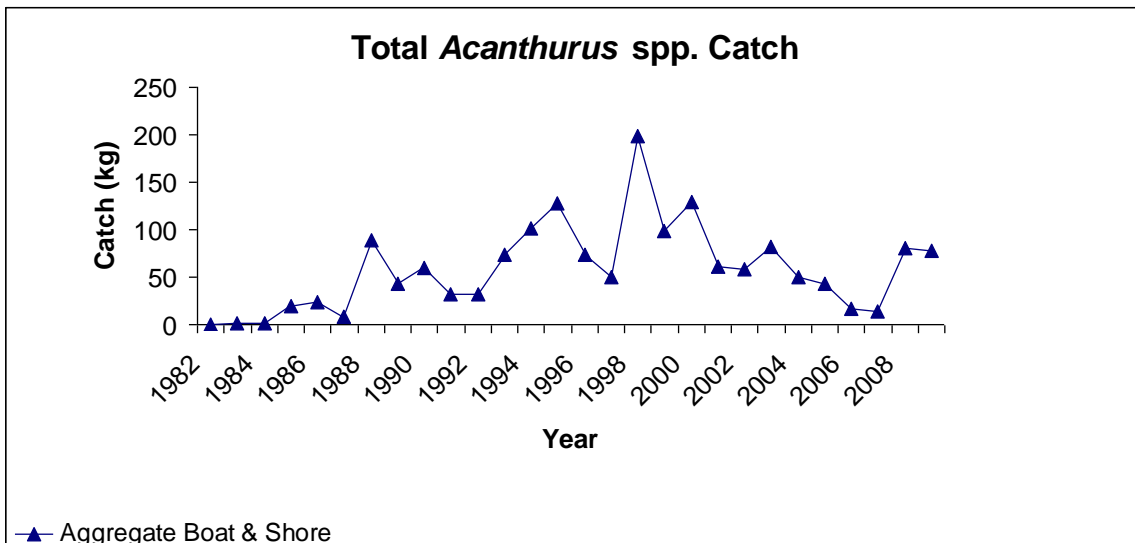
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	43.1	166.3
Standard Deviation	80.2	196.4
Confidence Value	29.7	72.8
Upper Bound CI	72.7	239.0
Lower Bound CI	13.4	93.5

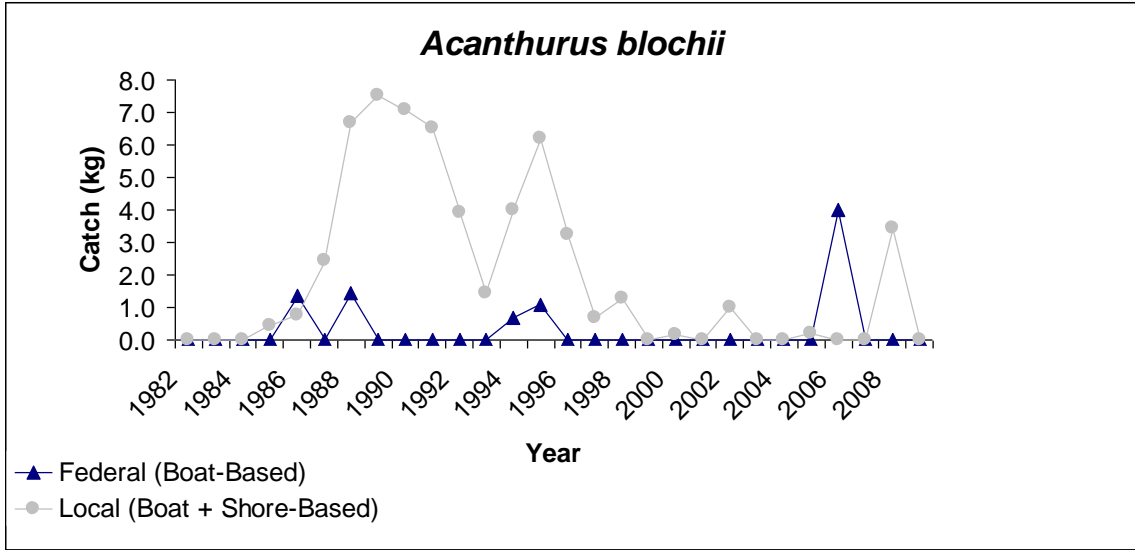




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	17.2	29.2
Standard Deviation	11.7	29.3
Confidence Value	10.2	25.6
Upper Bound CI	27.4	54.9
Lower Bound CI	7.0	3.6

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.3	49.5
Standard Deviation	10.4	40.7
Confidence Value	3.8	15.1
Upper Bound CI	13.1	64.6
Lower Bound CI	5.4	34.4

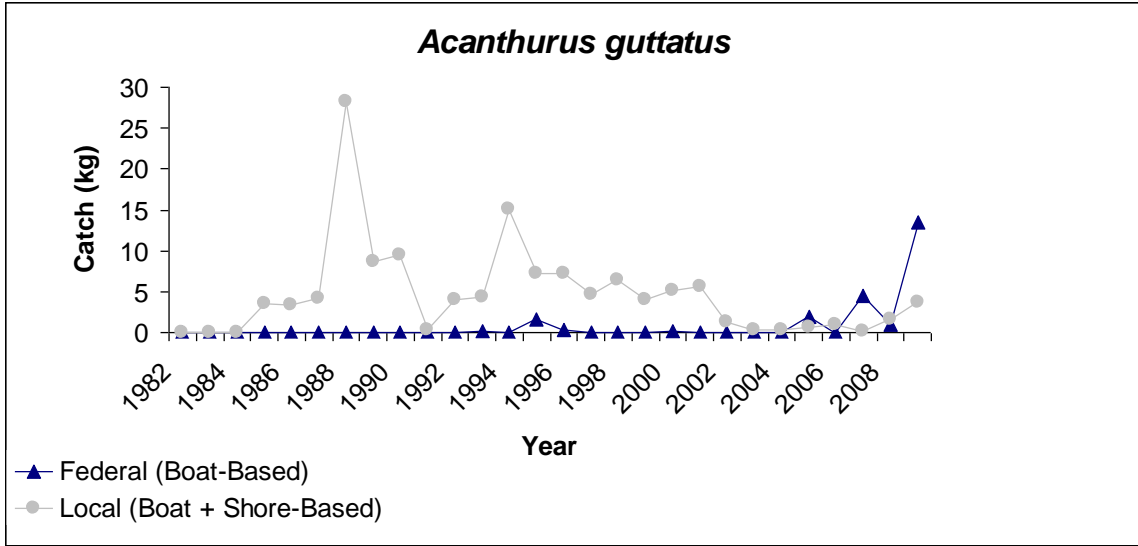




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	0.7
Standard Deviation	1.8	1.5
Confidence Value	1.6	1.3
Upper Bound CI	2.4	2.1
Lower Bound CI	-0.8	-0.6

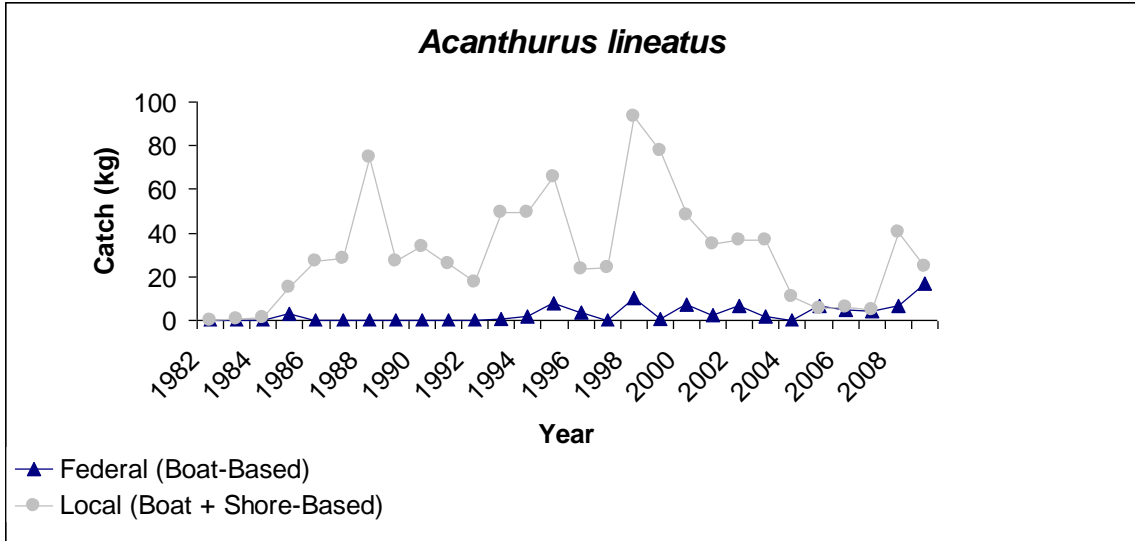
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	2.0
Standard Deviation	0.8	2.6
Confidence Value	0.3	1.0
Upper Bound CI	0.6	3.0
Lower Bound CI	0.0	1.1





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.2	1.4
Standard Deviation	5.5	1.3
Confidence Value	4.8	1.2
Upper Bound CI	9.0	2.6
Lower Bound CI	-0.6	0.3

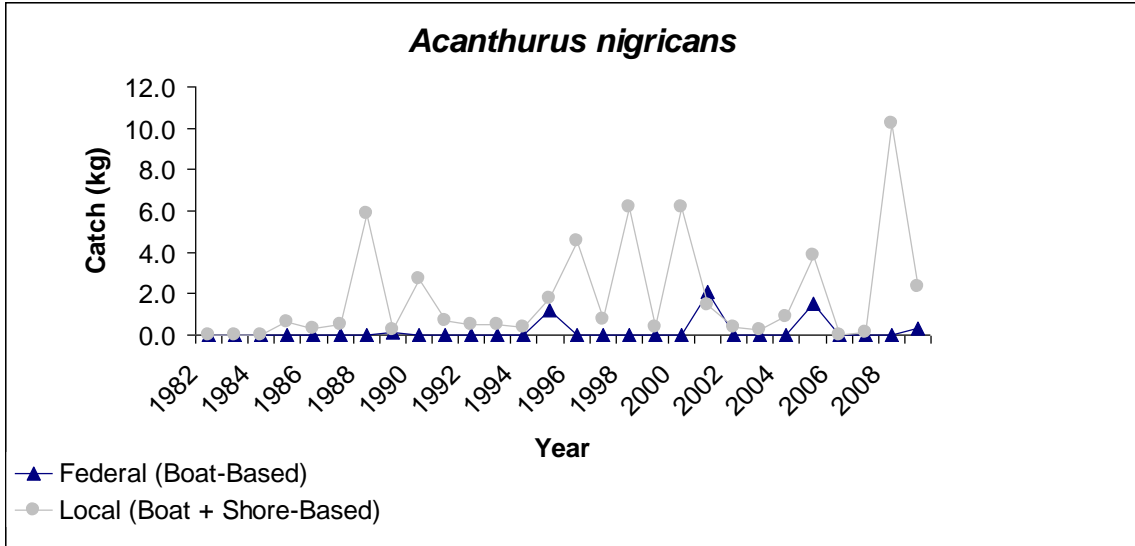
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	4.7
Standard Deviation	2.7	5.8
Confidence Value	1.0	2.2
Upper Bound CI	1.8	6.8
Lower Bound CI	-0.2	2.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	8.0	16.3
Standard Deviation	5.2	16.0
Confidence Value	4.5	14.0
Upper Bound CI	12.5	30.3
Lower Bound CI	3.4	2.3

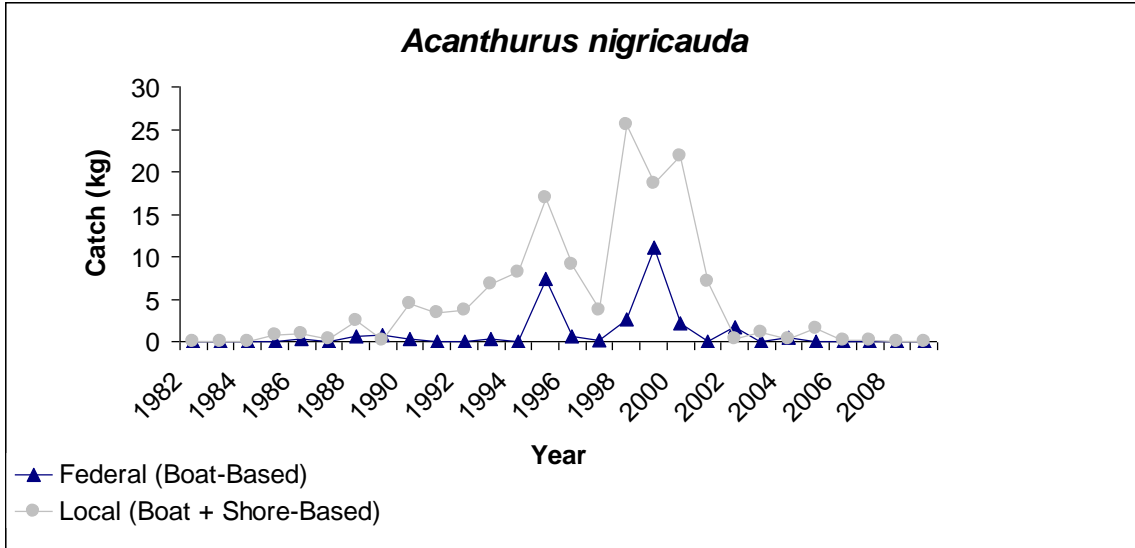
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.1	31.5
Standard Deviation	4.1	24.4
Confidence Value	1.5	9.1
Upper Bound CI	4.6	40.6
Lower Bound CI	1.6	22.5



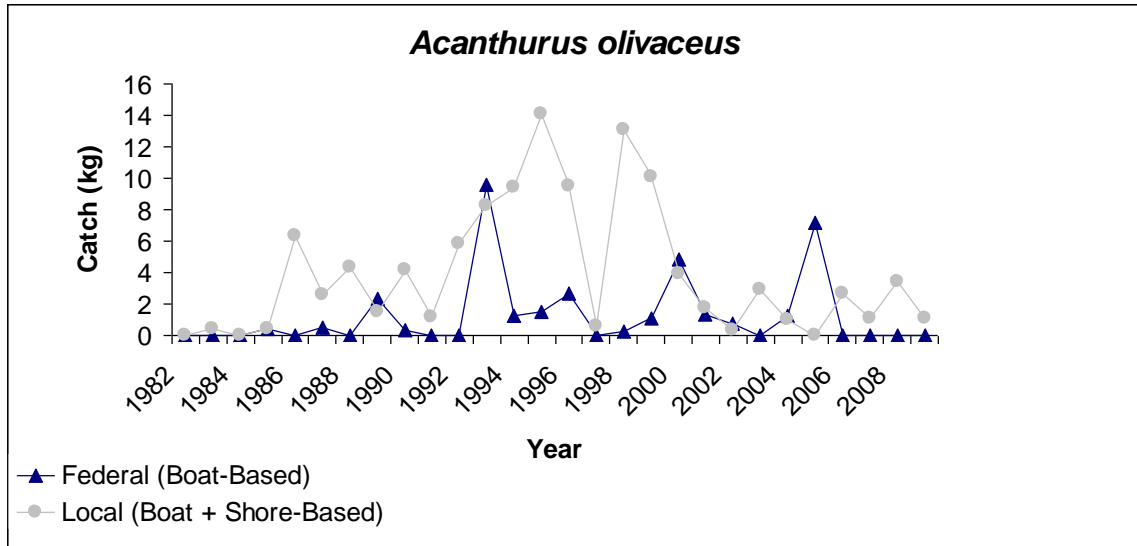
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	3.3
Standard Deviation	0.7	4.2
Confidence Value	0.6	3.7
Upper Bound CI	0.9	7.0
Lower Bound CI	-0.2	-0.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	1.8
Standard Deviation	0.5	2.6
Confidence Value	0.2	1.0
Upper Bound CI	0.4	2.8
Lower Bound CI	0.0	0.9



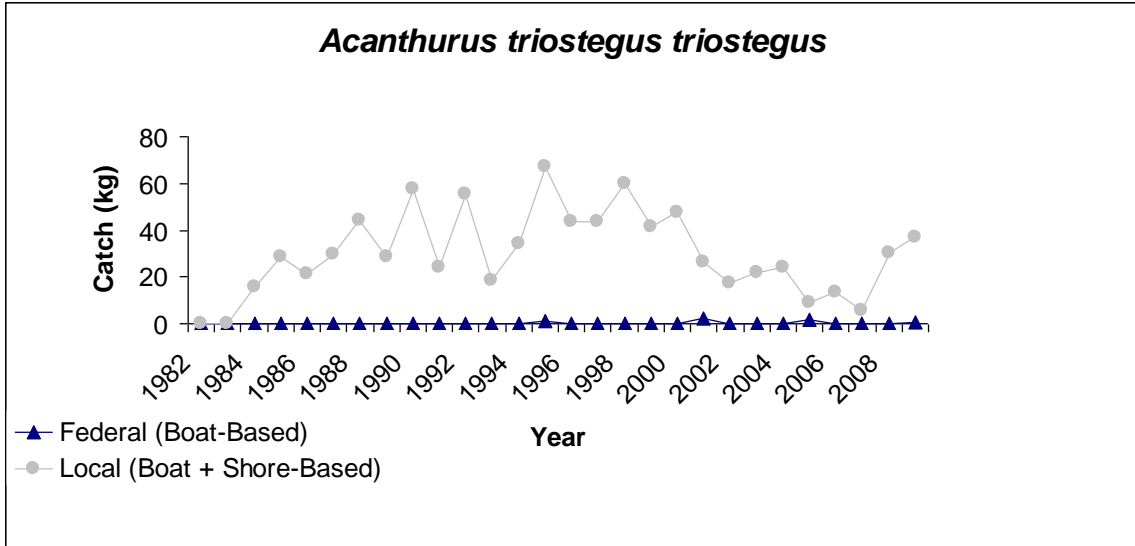
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.4
Standard Deviation	0.0	0.7
Confidence Value	-	0.6
Upper Bound CI	-	0.9
Lower Bound CI	-	-0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	4.9
Standard Deviation	2.5	7.2
Confidence Value	0.9	2.7
Upper Bound CI	1.9	7.6
Lower Bound CI	0.1	2.2



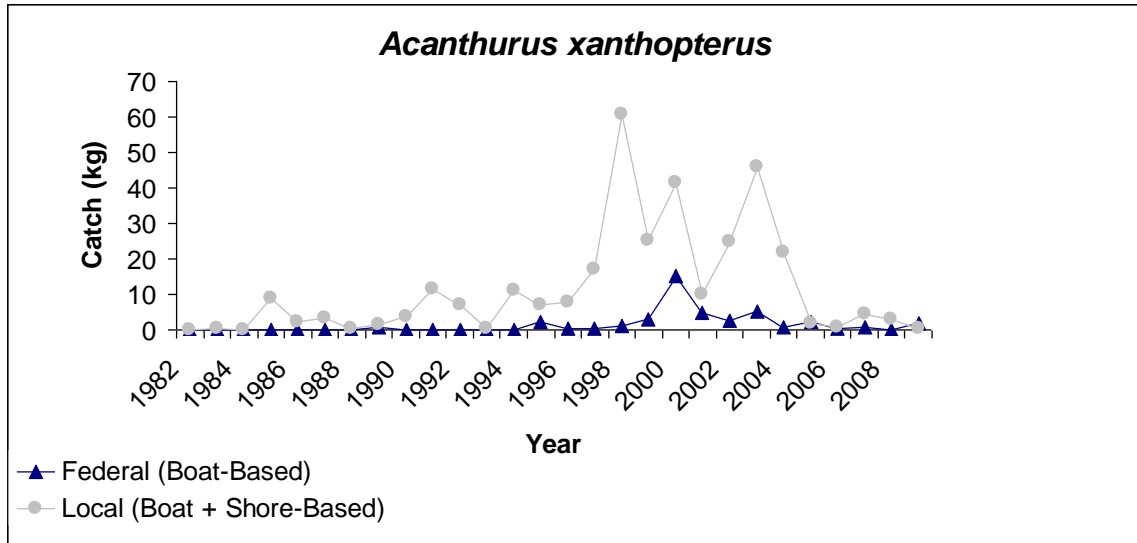
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.4	1.7
Standard Deviation	3.2	1.4
Confidence Value	2.8	1.2
Upper Bound CI	4.2	2.8
Lower Bound CI	-1.4	0.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	3.9
Standard Deviation	2.3	4.1
Confidence Value	0.9	1.5
Upper Bound CI	2.1	5.5
Lower Bound CI	0.4	2.4



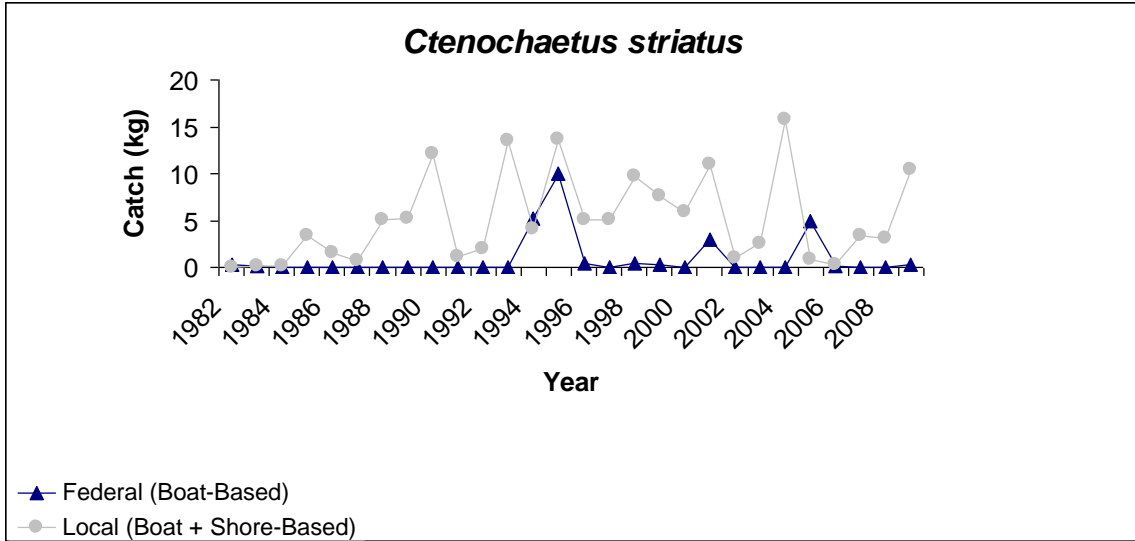
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	18.8
Standard Deviation	0.7	13.8
Confidence Value	0.6	12.1
Upper Bound CI	0.9	30.9
Lower Bound CI	-0.2	6.8

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	30.1
Standard Deviation	0.5	17.8
Confidence Value	0.2	6.6
Upper Bound CI	0.4	36.7
Lower Bound CI	0.0	23.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	2.0
Standard Deviation	0.9	1.8
Confidence Value	0.8	1.5
Upper Bound CI	1.8	3.6
Lower Bound CI	0.2	0.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.5	11.5
Standard Deviation	3.0	15.5
Confidence Value	1.1	5.7
Upper Bound CI	2.6	17.3
Lower Bound CI	0.4	5.8

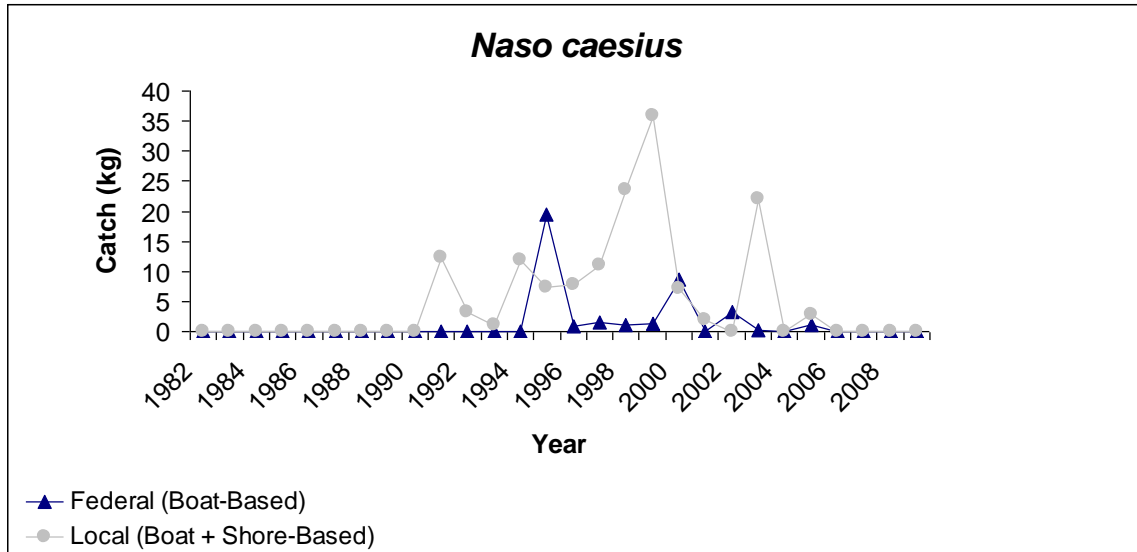


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.1	3.6
Standard Deviation	2.2	4.1
Confidence Value	1.9	3.6
Upper Bound CI	2.9	7.2
Lower Bound CI	-0.8	0.1

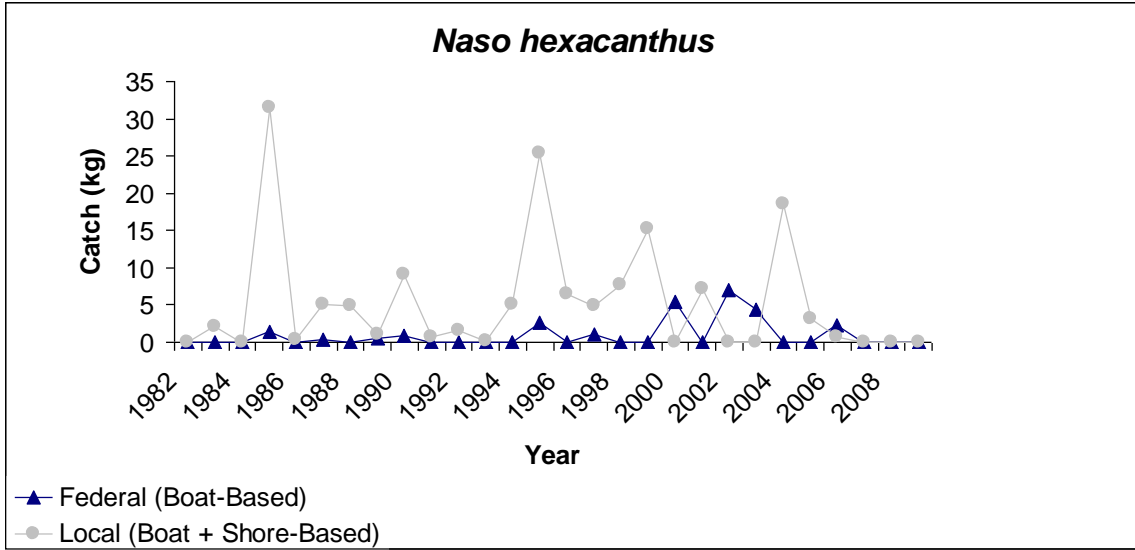
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	5.2
Standard Deviation	2.3	4.7
Confidence Value	0.8	1.8
Upper Bound CI	1.7	6.9
Lower Bound CI	0.1	3.4





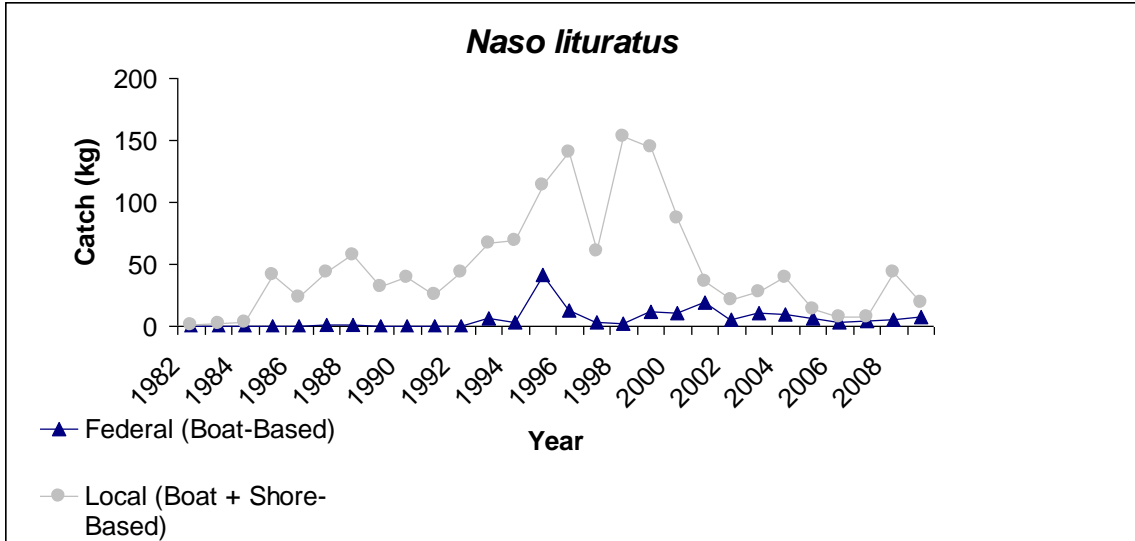
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.6
Standard Deviation	0.5	1.3
Confidence Value	0.4	1.1
Upper Bound CI	0.6	1.7
Lower Bound CI	-0.2	-0.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	5.3
Standard Deviation	3.9	8.9
Confidence Value	1.5	3.3
Upper Bound CI	2.8	8.6
Lower Bound CI	-0.1	2.0



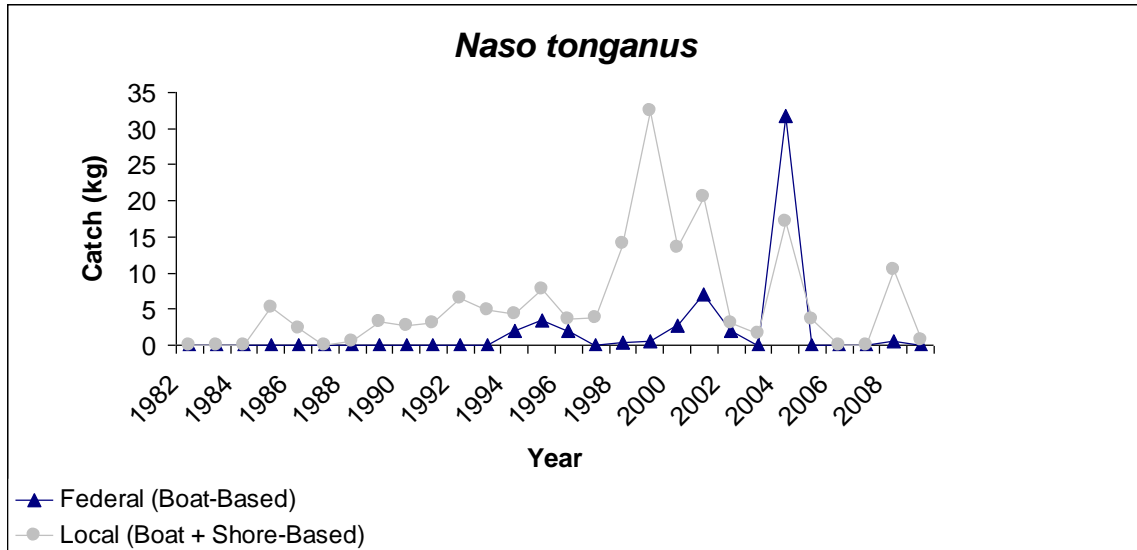
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	0.8
Standard Deviation	1.0	1.4
Confidence Value	0.9	1.2
Upper Bound CI	1.3	2.0
Lower Bound CI	-0.4	-0.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	5.4
Standard Deviation	1.8	8.1
Confidence Value	0.7	3.0
Upper Bound CI	1.6	8.4
Lower Bound CI	0.3	2.4



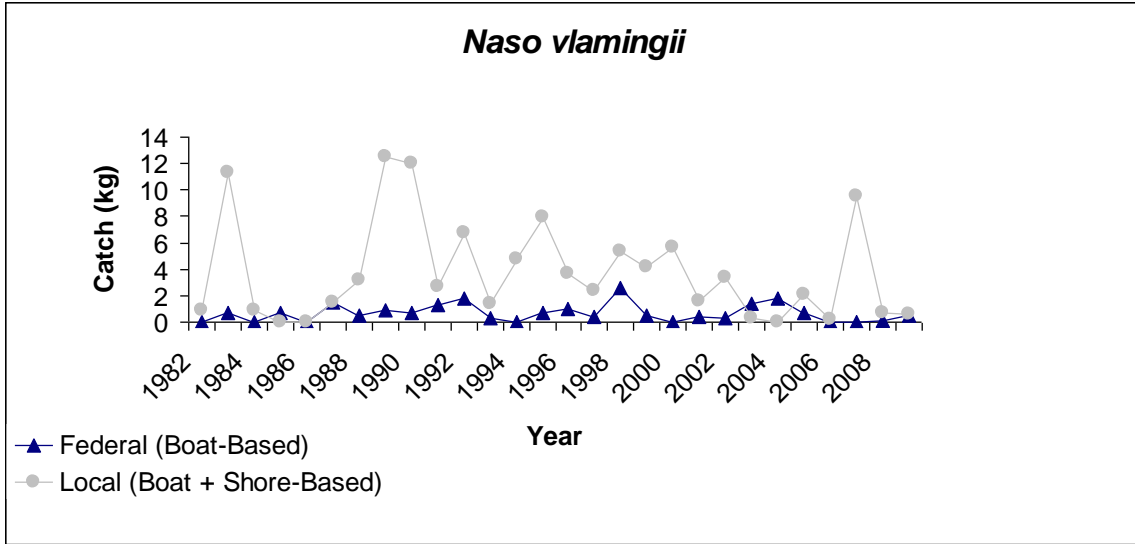
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.4	18.2
Standard Deviation	1.6	14.8
Confidence Value	1.4	13.0
Upper Bound CI	6.8	31.1
Lower Bound CI	3.9	5.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.9	48.7
Standard Deviation	8.5	43.2
Confidence Value	3.2	16.0
Upper Bound CI	9.1	64.7
Lower Bound CI	2.8	32.7



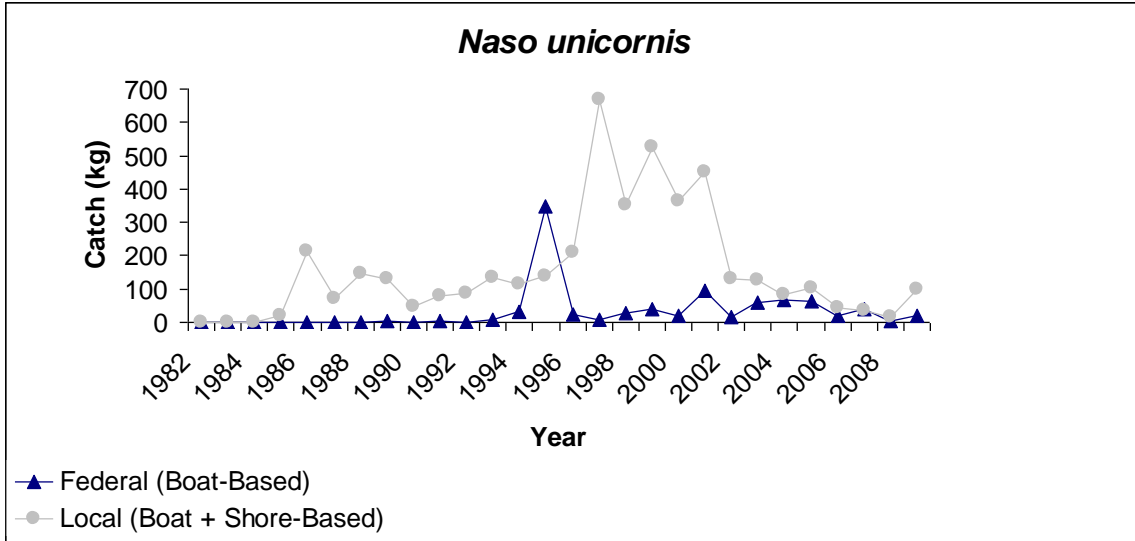
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	3.0
Standard Deviation	0.3	4.5
Confidence Value	0.2	3.9
Upper Bound CI	0.4	6.9
Lower Bound CI	-0.1	-0.9

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.9	5.9
Standard Deviation	6.1	7.5
Confidence Value	2.2	2.8
Upper Bound CI	4.1	8.7
Lower Bound CI	-0.4	3.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	2.6
Standard Deviation	0.3	3.9
Confidence Value	0.3	3.5
Upper Bound CI	0.5	6.1
Lower Bound CI	0.0	-0.8

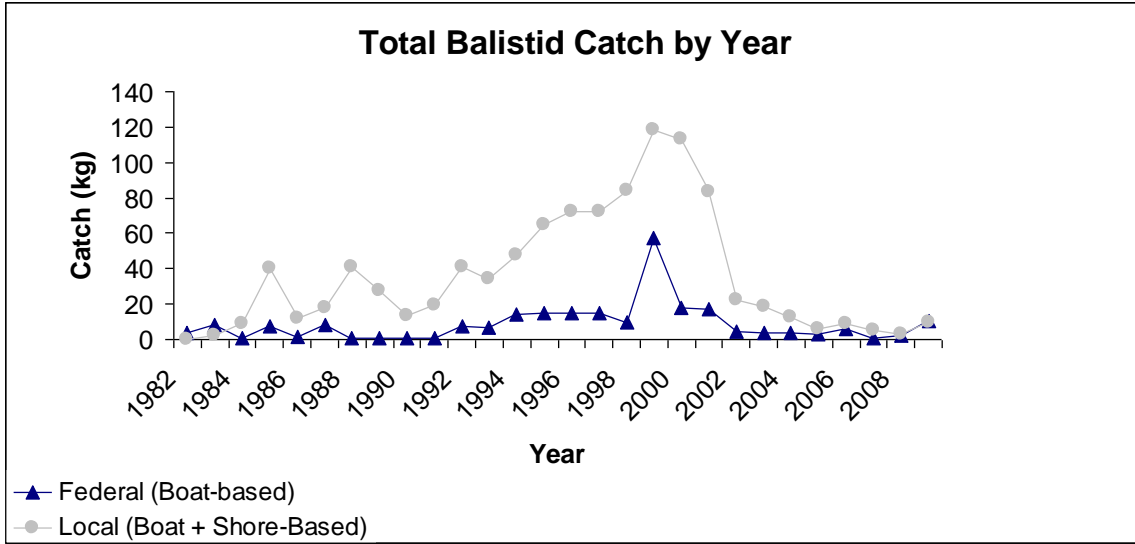
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	3.9
Standard Deviation	0.7	3.8
Confidence Value	0.2	1.4
Upper Bound CI	0.9	5.3
Lower Bound CI	0.4	2.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	29.7	41.4
Standard Deviation	22.8	36.3
Confidence Value	20.0	31.8
Upper Bound CI	49.7	73.2
Lower Bound CI	9.7	9.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	32.3	157.3
Standard Deviation	66.7	166.7
Confidence Value	24.7	61.8
Upper Bound CI	57.1	219.1
Lower Bound CI	7.6	95.5

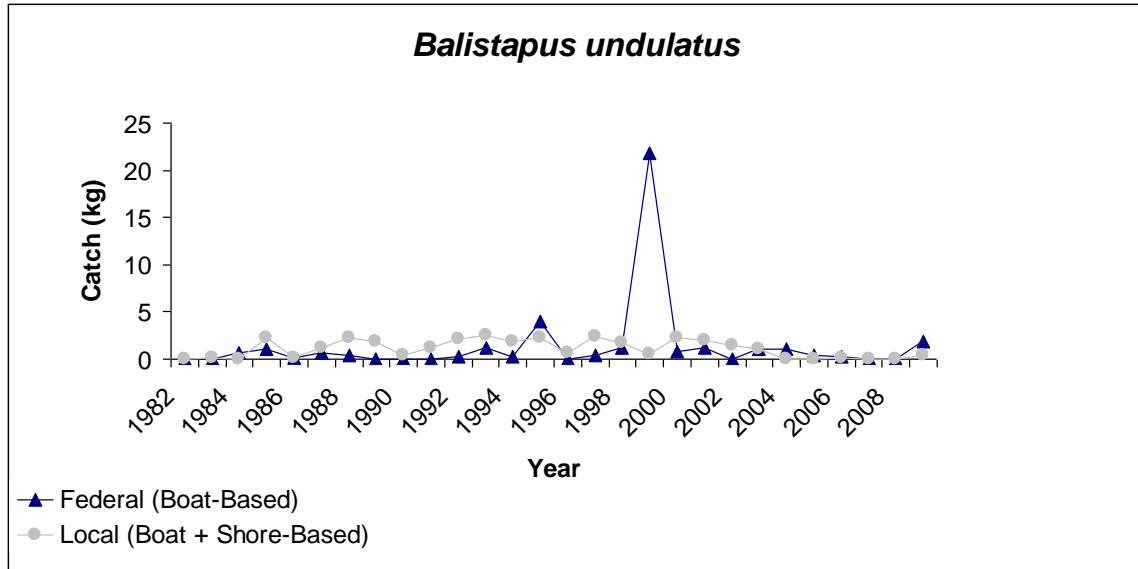
# BALISTIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.6	6.6
Standard Deviation	3.9	2.8
Confidence Value	3.4	2.5
Upper Bound CI	8.0	9.1
Lower Bound CI	1.1	4.1

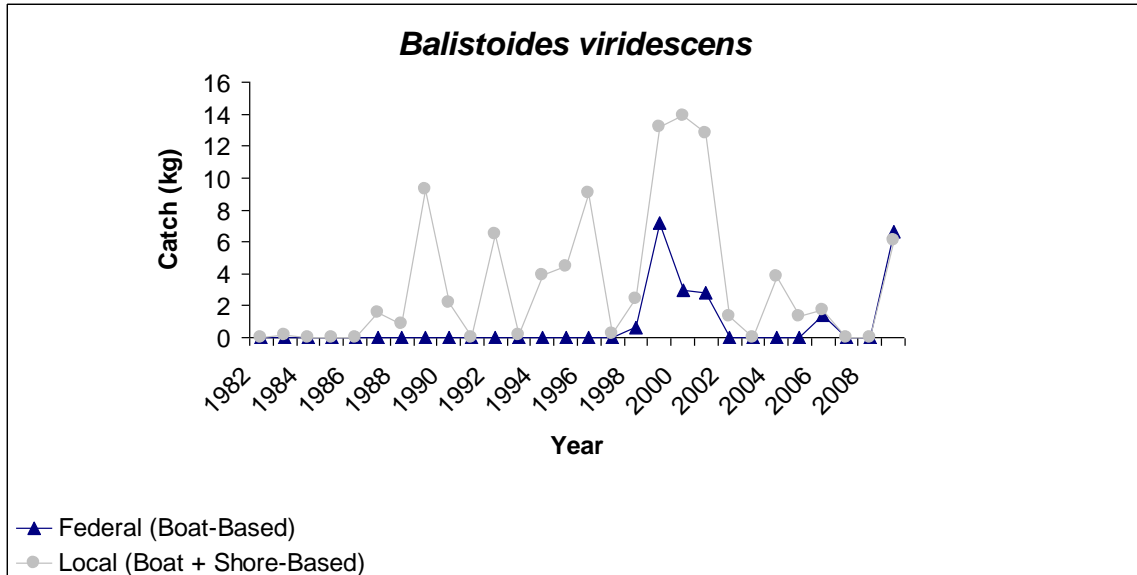
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	8.7	35.7
Standard Deviation	11.0	34.1
Confidence Value	4.1	12.6
Upper Bound CI	12.7	48.3
Lower Bound CI	4.6	23.1





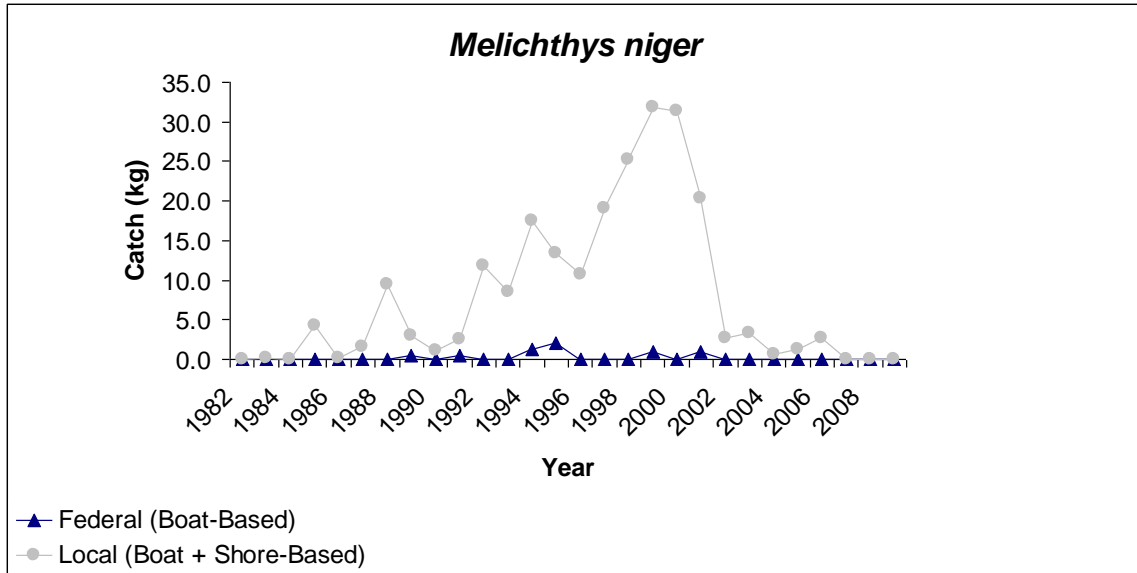
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	0.1
Standard Deviation	0.8	0.2
Confidence Value	0.7	0.2
Upper Bound CI	1.2	0.3
Lower Bound CI	-0.2	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.4	1.1
Standard Deviation	4.1	0.9
Confidence Value	1.5	0.3
Upper Bound CI	2.9	1.4
Lower Bound CI	-0.1	0.8



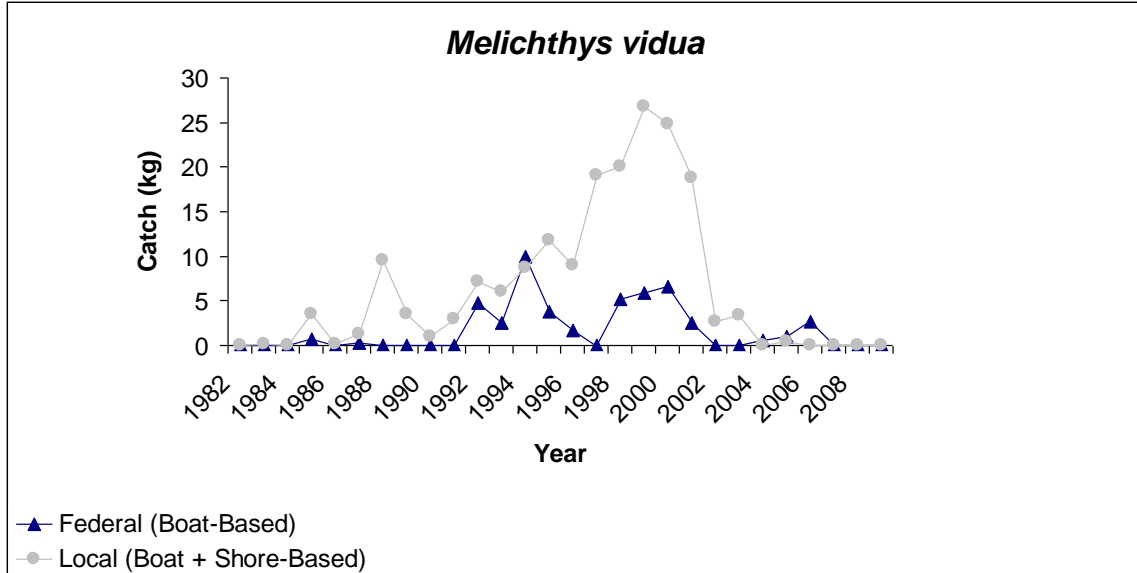
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.6	1.8
Standard Deviation	2.9	2.5
Confidence Value	2.5	2.2
Upper Bound CI	4.1	4.0
Lower Bound CI	-0.9	-0.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	3.4
Standard Deviation	1.9	4.4
Confidence Value	0.7	1.6
Upper Bound CI	1.5	5.0
Lower Bound CI	0.1	1.8



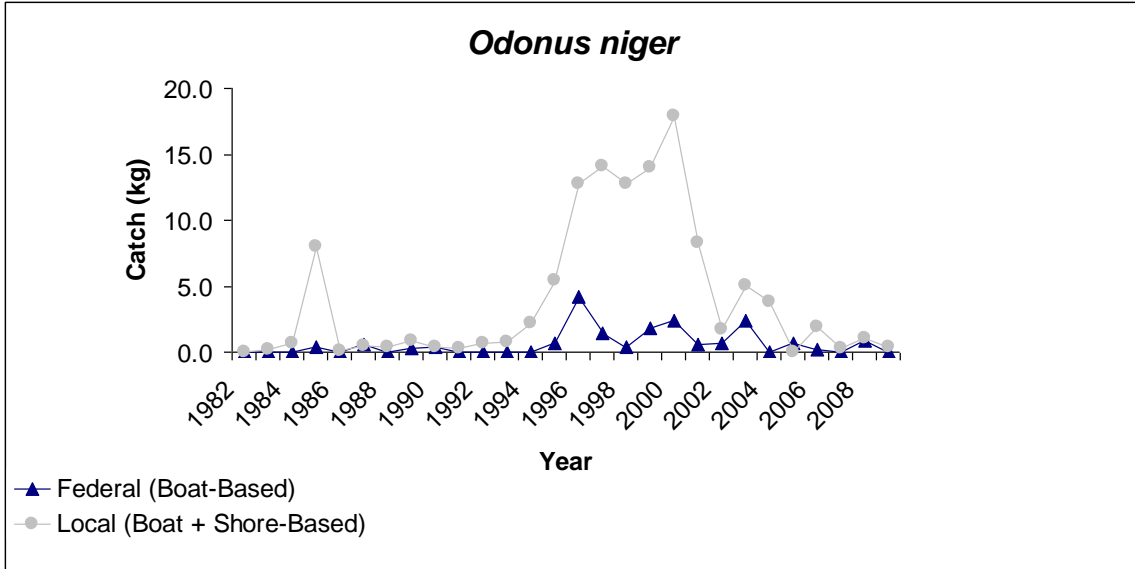
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	0.1
Standard Deviation	1.2	0.2
Confidence Value	1.0	0.2
Upper Bound CI	1.7	0.2
Lower Bound CI	-0.3	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	6.5
Standard Deviation	2.6	8.2
Confidence Value	1.0	3.0
Upper Bound CI	2.7	9.5
Lower Bound CI	0.8	3.4



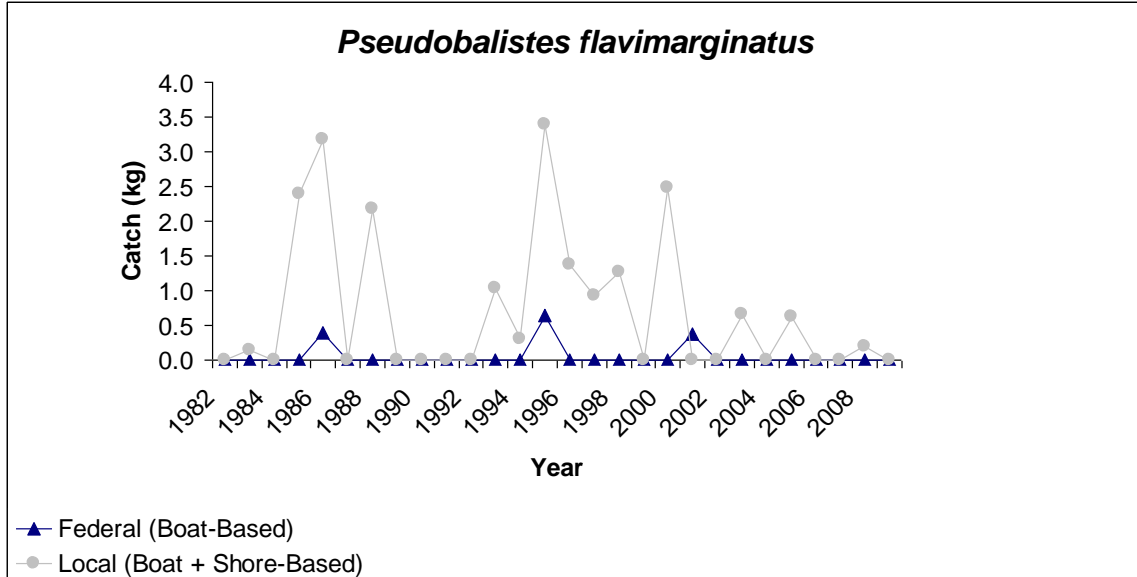
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	0.1
Standard Deviation	1.2	0.2
Confidence Value	1.0	0.2
Upper Bound CI	1.7	0.2
Lower Bound CI	-0.3	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	6.5
Standard Deviation	2.6	8.2
Confidence Value	1.0	3.0
Upper Bound CI	2.7	9.5
Lower Bound CI	0.8	3.4



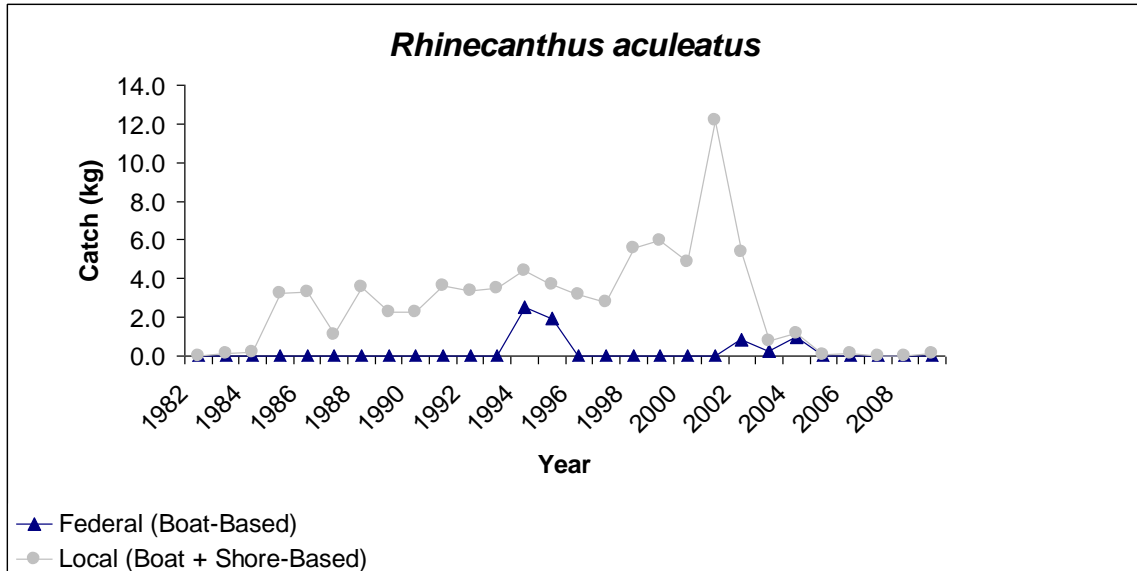
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	0.7
Standard Deviation	0.4	0.8
Confidence Value	0.4	0.7
Upper Bound CI	0.7	1.4
Lower Bound CI	0.0	0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	4.1
Standard Deviation	1.0	5.4
Confidence Value	0.4	2.0
Upper Bound CI	1.0	6.1
Lower Bound CI	0.3	2.1



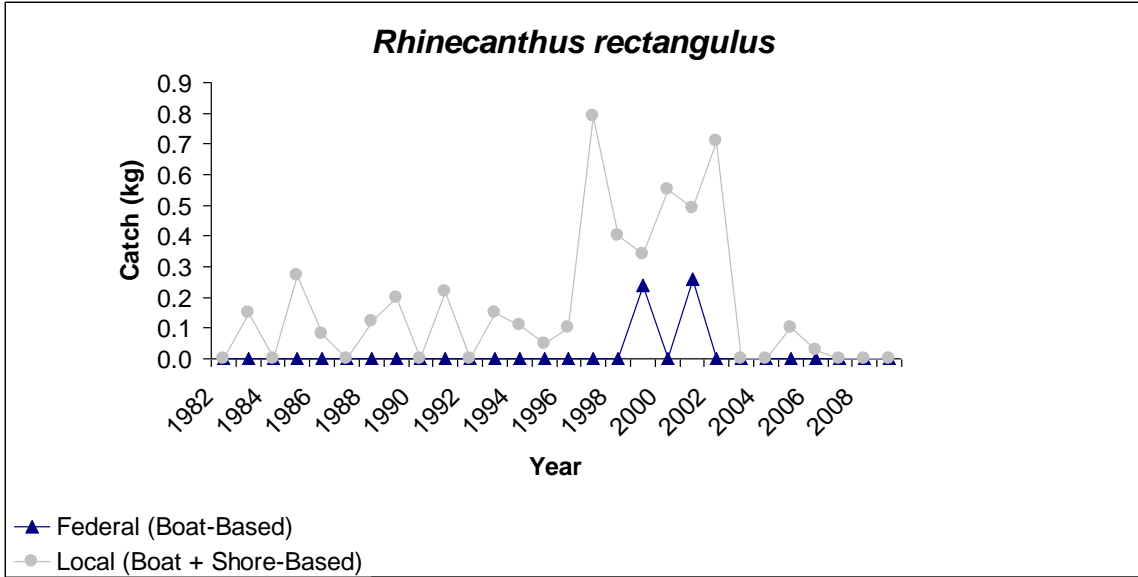
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.3
Confidence Value	-	0.2
Upper Bound CI	-	0.4
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.7
Standard Deviation	0.2	1.1
Confidence Value	0.1	0.4
Upper Bound CI	0.1	1.1
Lower Bound CI	0.0	0.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

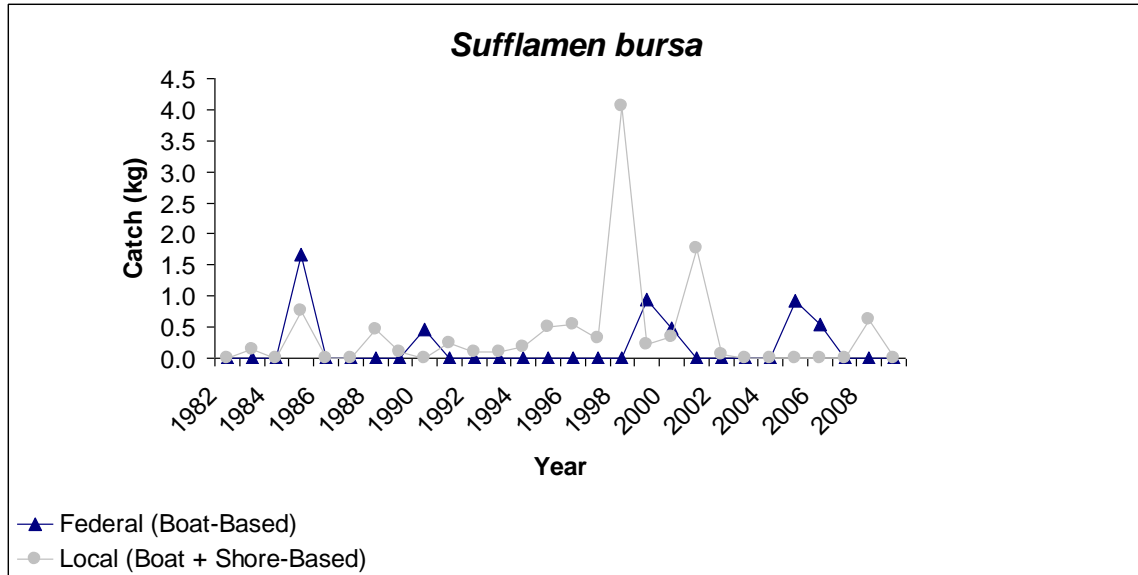
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	2.7
Standard Deviation	0.6	2.7
Confidence Value	0.2	1.0
Upper Bound CI	0.5	3.7
Lower Bound CI	0.0	1.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	0.0
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

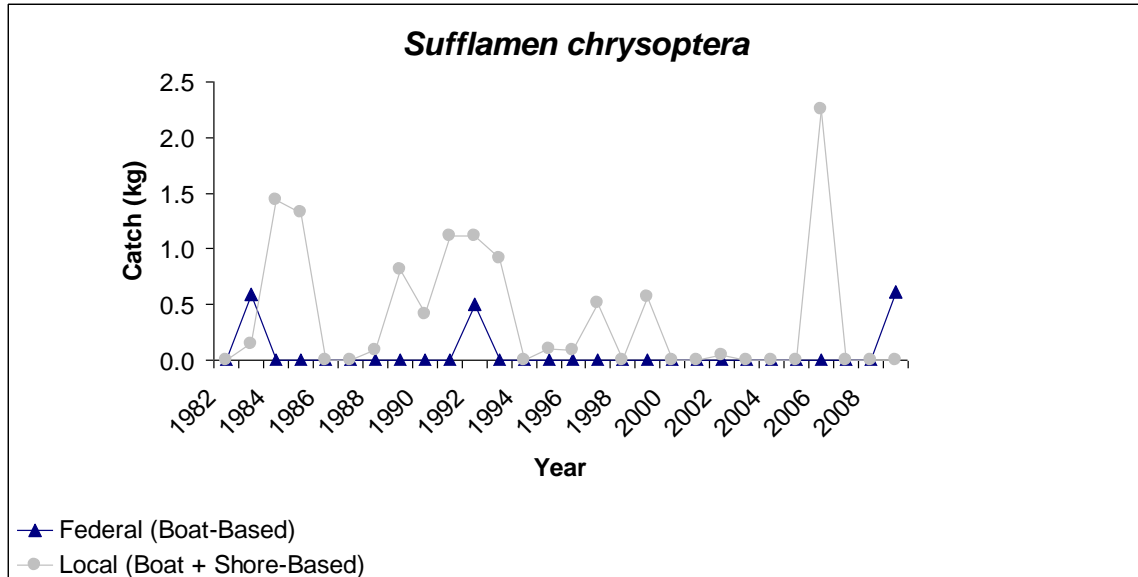
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.1	0.2
Confidence Value	0.0	0.1
Upper Bound CI	0.0	0.3
Lower Bound CI	0.0	0.1





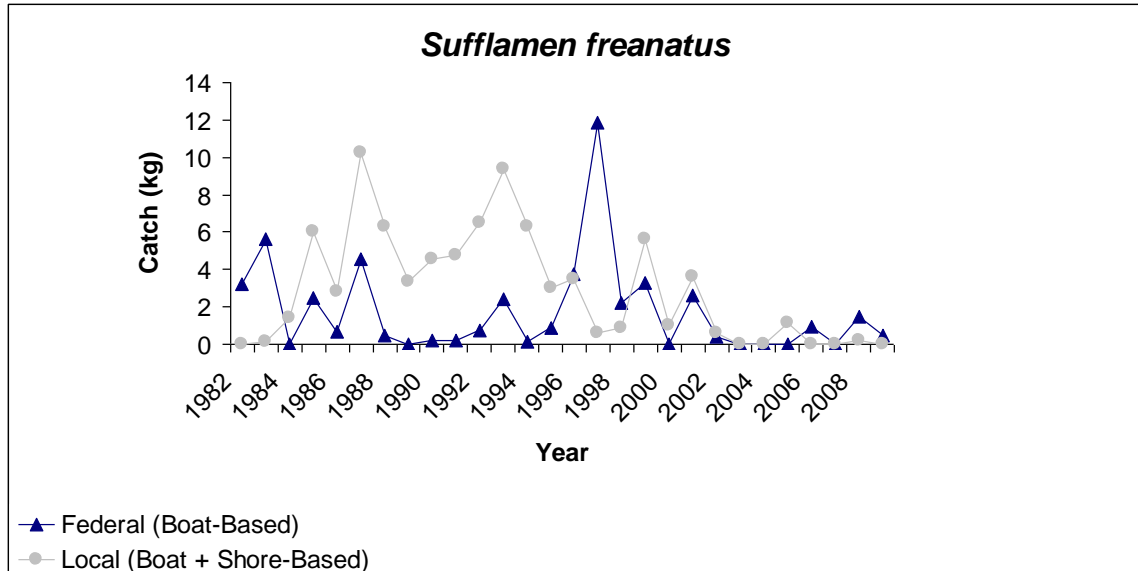
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	0.1
Standard Deviation	0.4	0.3
Confidence Value	0.4	0.2
Upper Bound CI	0.7	0.4
Lower Bound CI	-0.1	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.4
Standard Deviation	0.4	0.8
Confidence Value	0.1	0.3
Upper Bound CI	0.3	0.7
Lower Bound CI	0.0	0.1



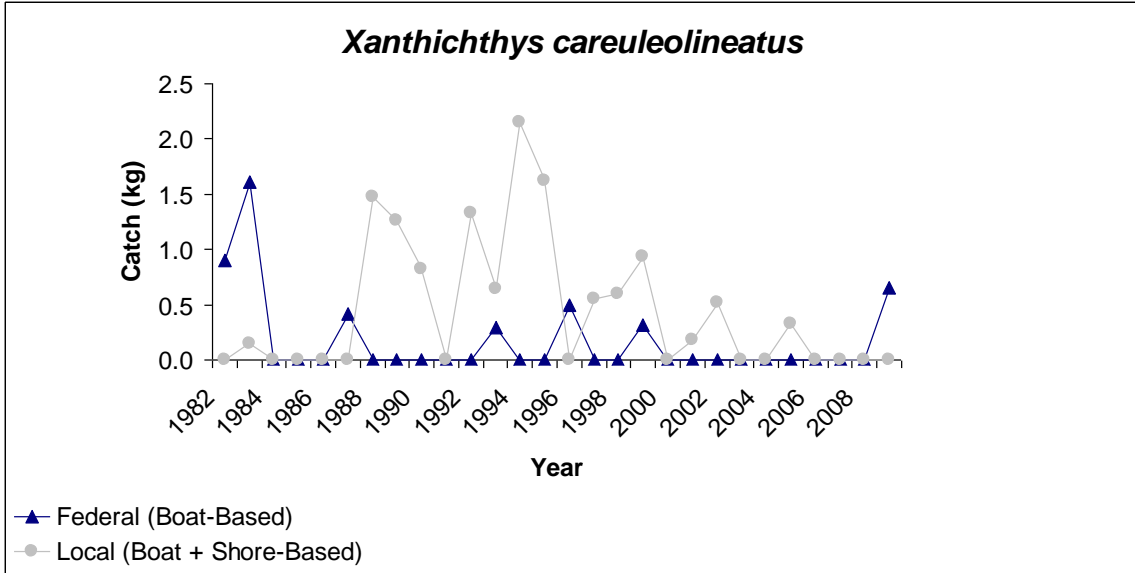
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.5
Standard Deviation	0.3	1.0
Confidence Value	0.2	0.9
Upper Bound CI	0.4	1.3
Lower Bound CI	-0.1	-0.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.4
Standard Deviation	0.2	0.6
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.6
Lower Bound CI	0.0	0.2



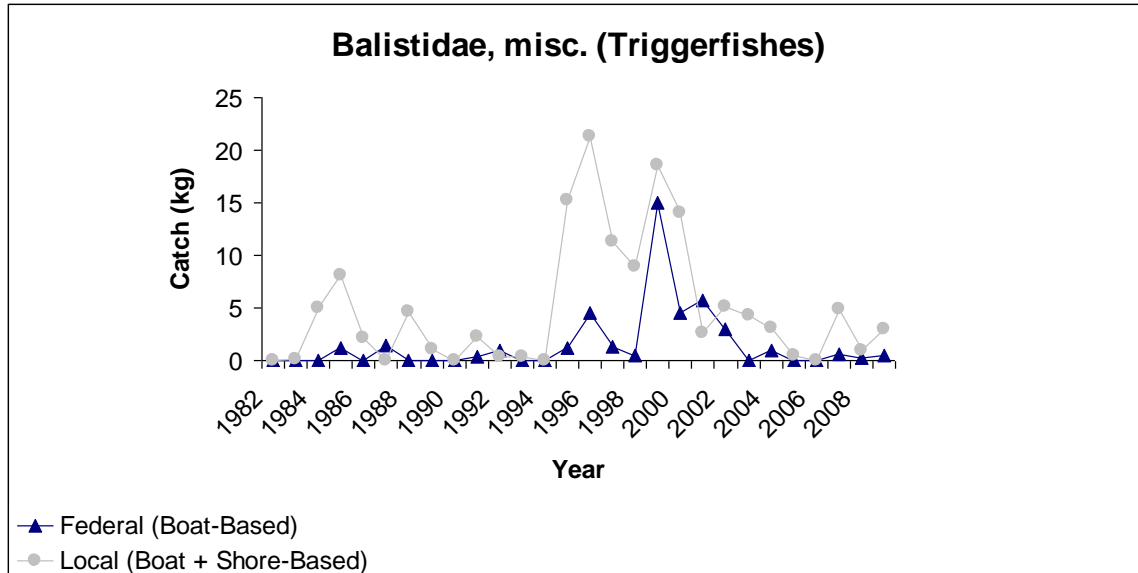
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	0.3
Standard Deviation	0.6	0.5
Confidence Value	0.6	0.4
Upper Bound CI	1.1	0.7
Lower Bound CI	0.0	-0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	2.9
Standard Deviation	2.5	3.0
Confidence Value	0.9	1.1
Upper Bound CI	2.7	4.0
Lower Bound CI	0.8	1.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.1
Standard Deviation	0.3	0.1
Confidence Value	0.3	0.1
Upper Bound CI	0.4	0.2
Lower Bound CI	-0.1	-0.1

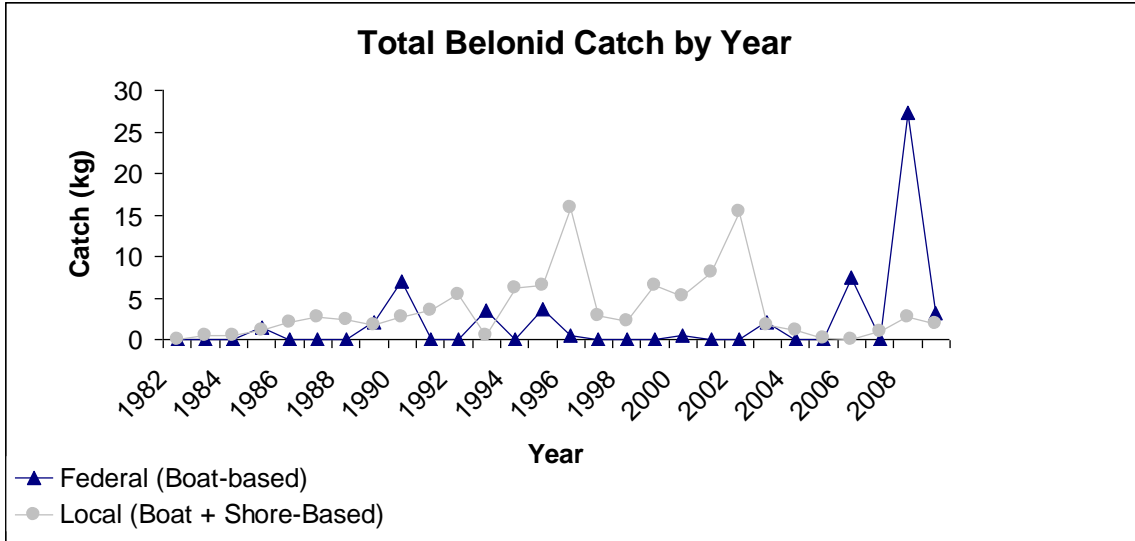
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.4
Standard Deviation	0.4	0.6
Confidence Value	0.1	0.2
Upper Bound CI	0.3	0.7
Lower Bound CI	0.0	0.2



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.9
Standard Deviation	0.3	2.0
Confidence Value	0.2	1.8
Upper Bound CI	0.5	3.6
Lower Bound CI	0.0	0.1

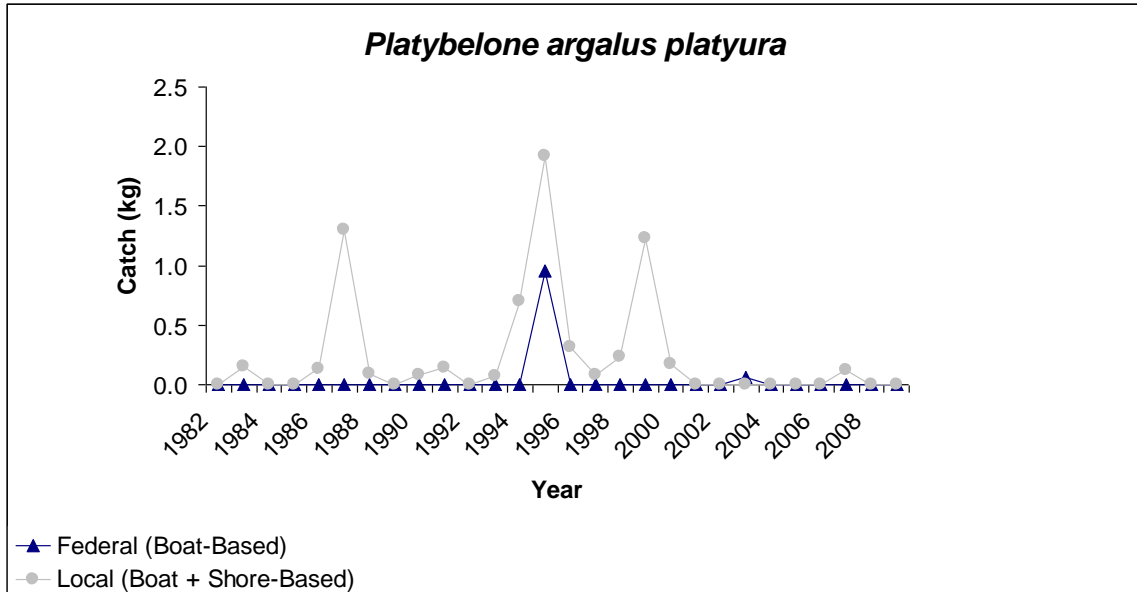
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.5	4.9
Standard Deviation	3.1	6.0
Confidence Value	1.1	2.2
Upper Bound CI	2.6	7.2
Lower Bound CI	0.4	2.7

# BELONIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	7.6	1.2
Standard Deviation	11.5	1.2
Confidence Value	10.0	1.0
Upper Bound CI	17.6	2.2
Lower Bound CI	-2.5	0.1

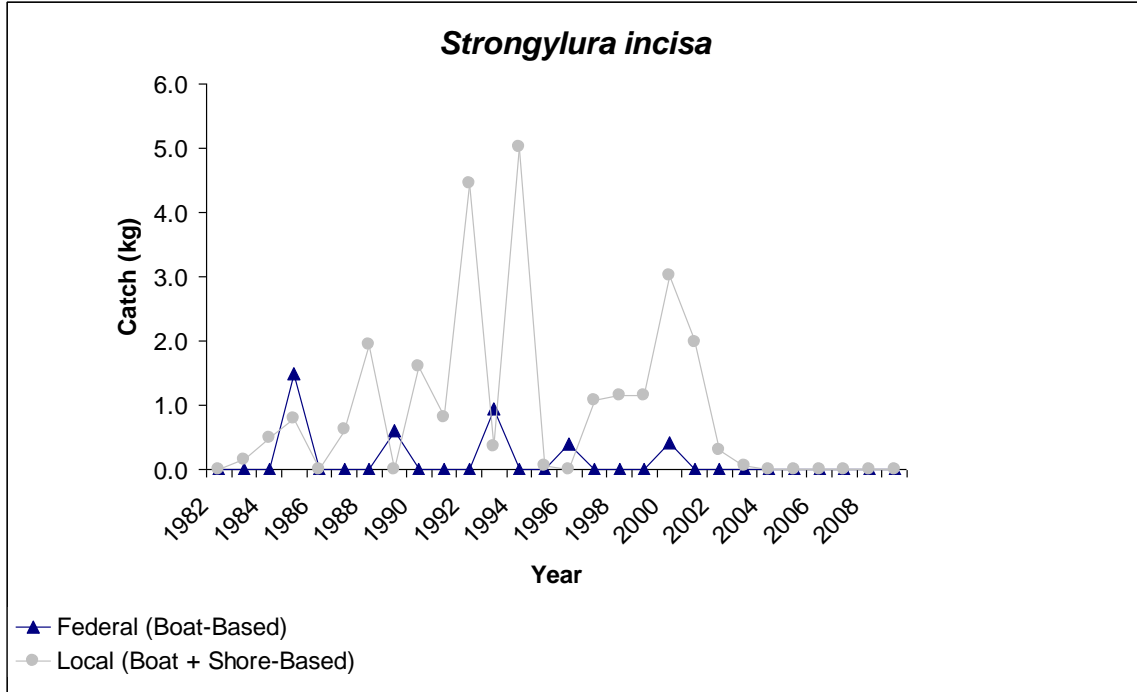
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.1	3.6
Standard Deviation	5.4	4.1
Confidence Value	2.0	1.5
Upper Bound CI	4.1	5.1
Lower Bound CI	0.1	2.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.1
Confidence Value	-	0.0
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

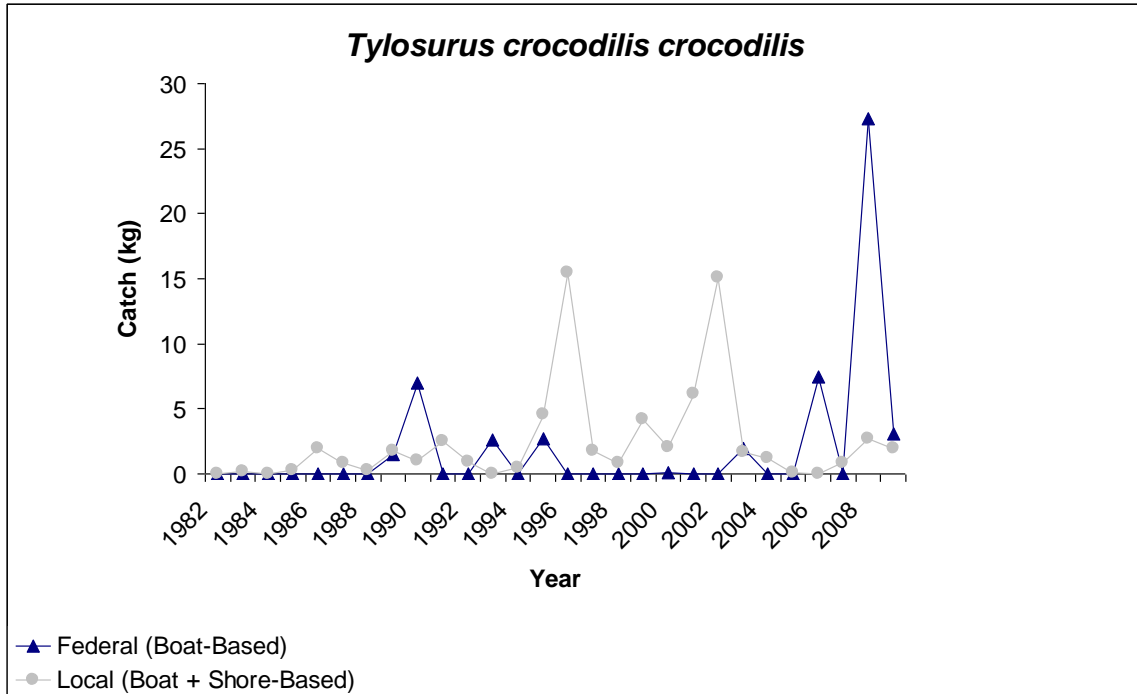
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.2	0.5
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.4
Lower Bound CI	0.0	0.1





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

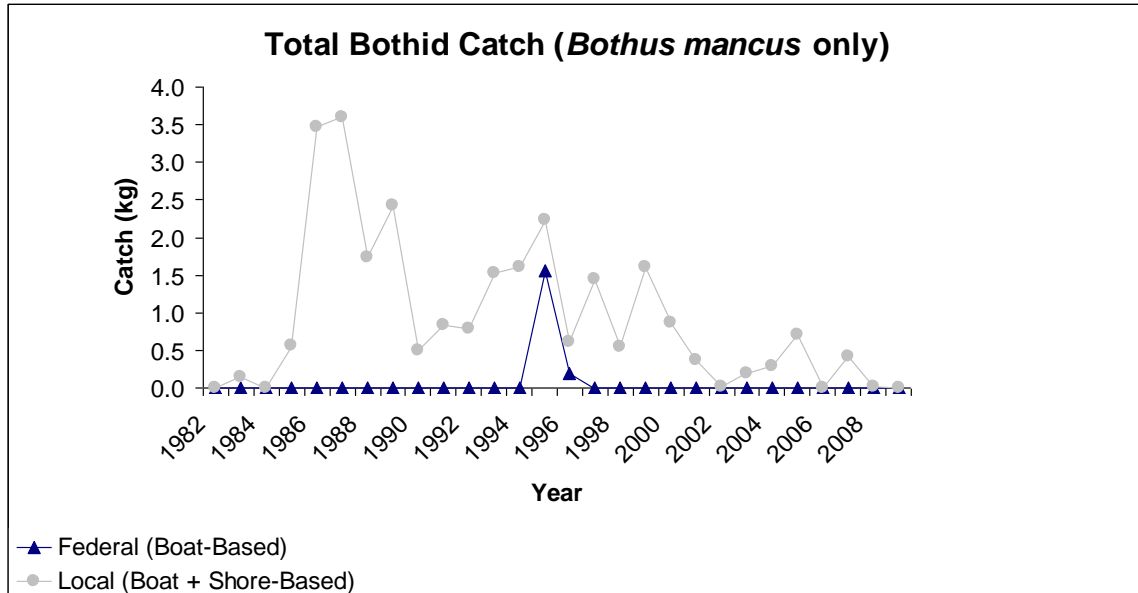
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.9
Standard Deviation	0.3	1.3
Confidence Value	0.1	0.5
Upper Bound CI	0.3	1.4
Lower Bound CI	0.0	0.4



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	7.6	1.1
Standard Deviation	11.5	1.2
Confidence Value	10.0	1.1
Upper Bound CI	17.6	2.2
Lower Bound CI	-2.5	0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.9	2.5
Standard Deviation	5.4	3.9
Confidence Value	2.0	1.5
Upper Bound CI	3.9	3.9
Lower Bound CI	-0.1	1.0

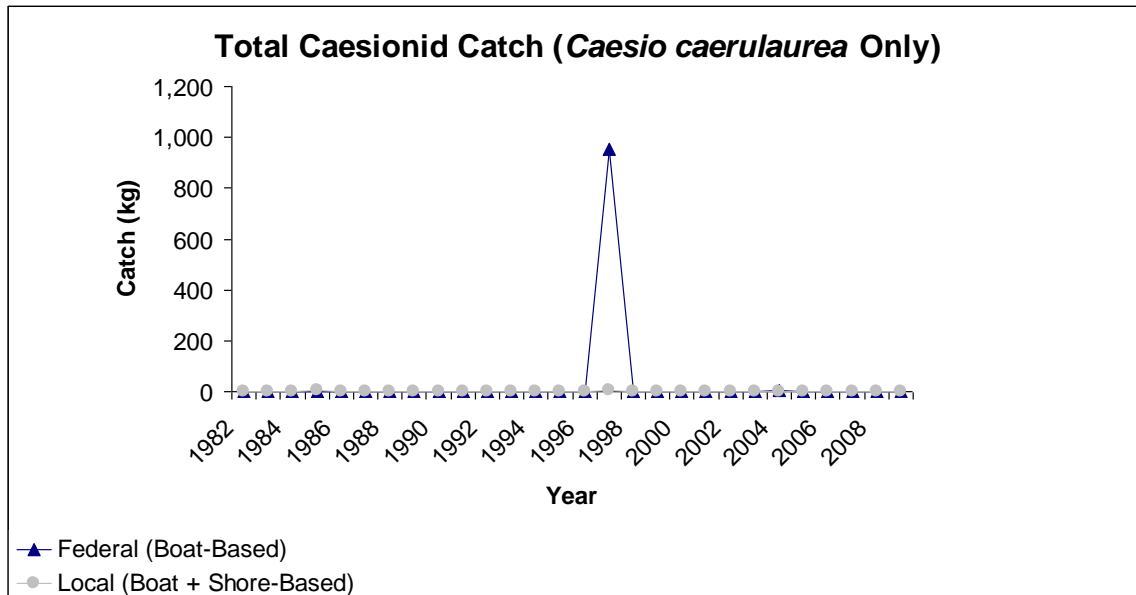
# BOTHIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.3
Confidence Value	-	0.3
Upper Bound CI	-	0.5
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.9
Standard Deviation	0.3	1.0
Confidence Value	0.1	0.4
Upper Bound CI	0.2	1.3
Lower Bound CI	0.0	0.6

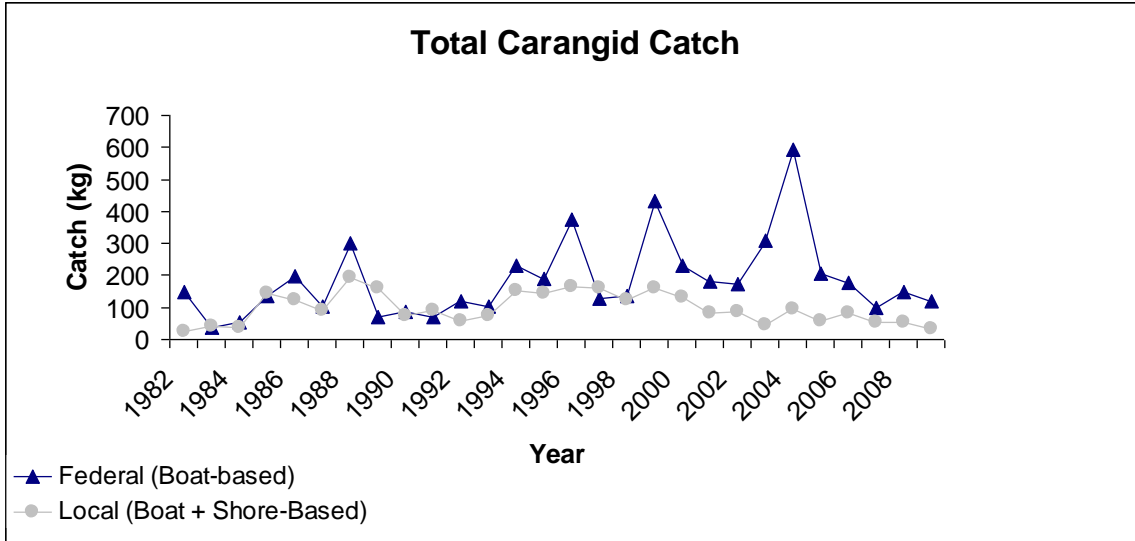
# CAESIONIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	0.0
Upper Bound CI	-	0.0
Lower Bound CI	-	0.0

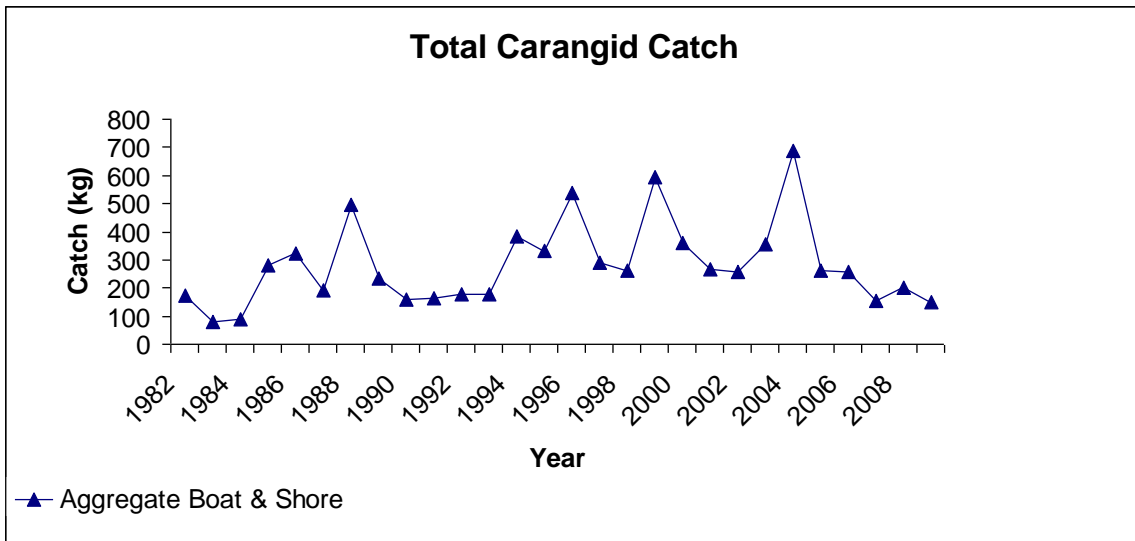
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	34.3	0.4
Standard Deviation	180.1	1.1
Confidence Value	66.7	0.4
Upper Bound CI	101.0	0.8
Lower Bound CI	-32.4	0.0

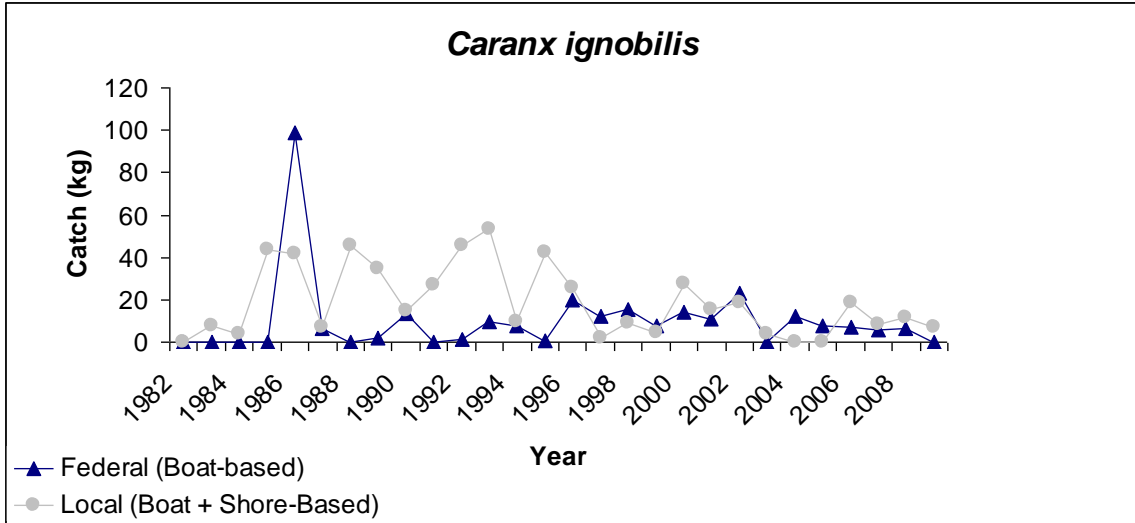
# CARANGIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	149.8	55.7
Standard Deviation	43.5	18.0
Confidence Value	38.1	15.8
Upper Bound CI	187.9	71.5
Lower Bound CI	111.7	39.9

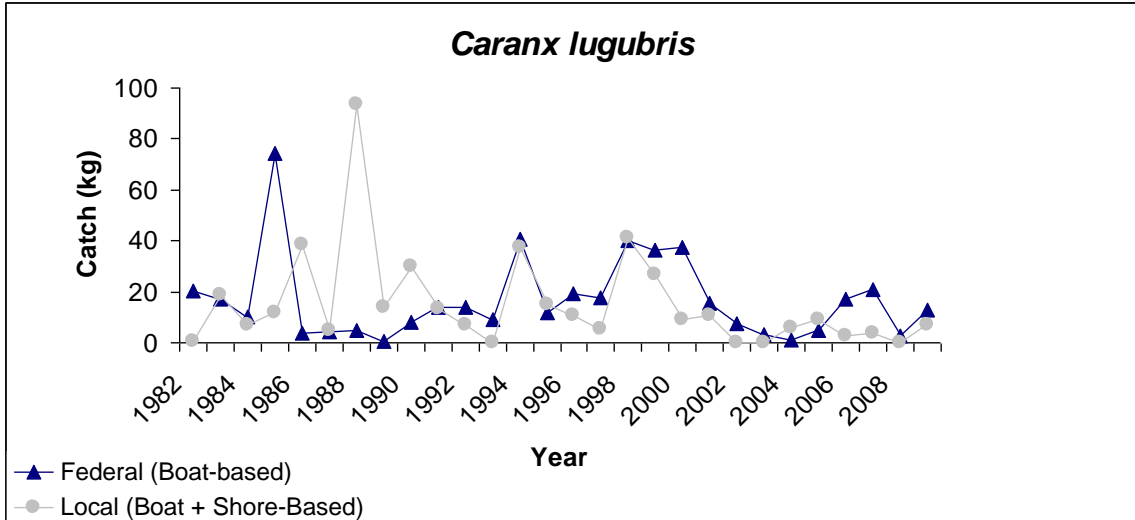
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	184.0	97.7
Standard Deviation	123.4	48.7
Confidence Value	45.7	18.0
Upper Bound CI	229.8	115.8
Lower Bound CI	138.3	79.7





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.4	9.2
Standard Deviation	3.2	6.7
Confidence Value	2.8	5.9
Upper Bound CI	8.2	15.1
Lower Bound CI	2.7	3.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.1	18.9
Standard Deviation	18.6	16.7
Confidence Value	6.9	6.2
Upper Bound CI	17.0	25.1
Lower Bound CI	3.2	12.8

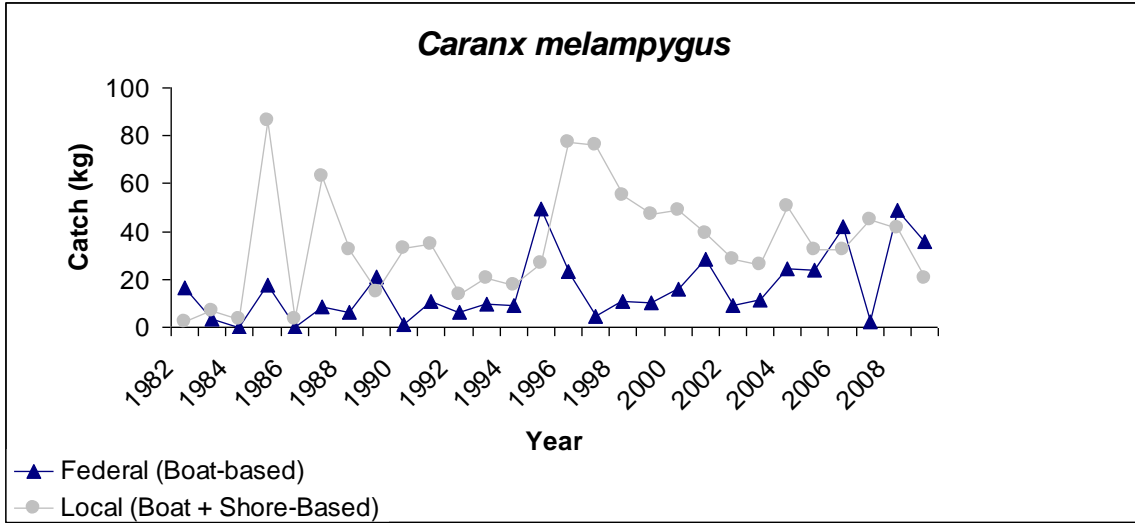


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	11.7	4.5
Standard Deviation	7.6	3.5
Confidence Value	6.7	3.1
Upper Bound CI	18.3	7.6
Lower Bound CI	5.0	1.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	16.8	15.1
Standard Deviation	16.2	19.5
Confidence Value	6.0	7.2
Upper Bound CI	22.8	22.4
Lower Bound CI	10.7	7.9

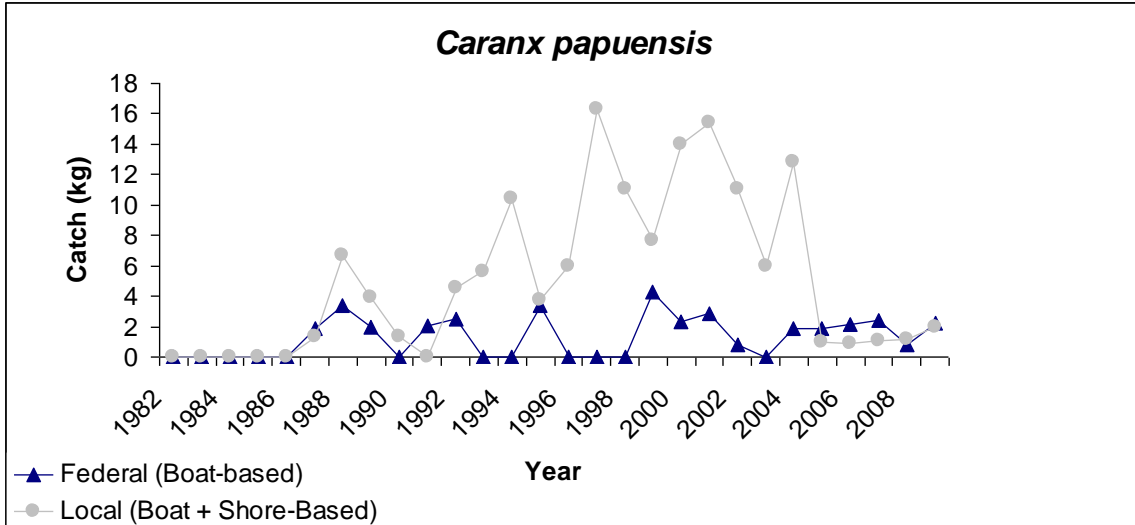




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	30.5	34.2
Standard Deviation	18.2	9.6
Confidence Value	16.0	8.4
Upper Bound CI	46.5	42.6
Lower Bound CI	14.6	25.8

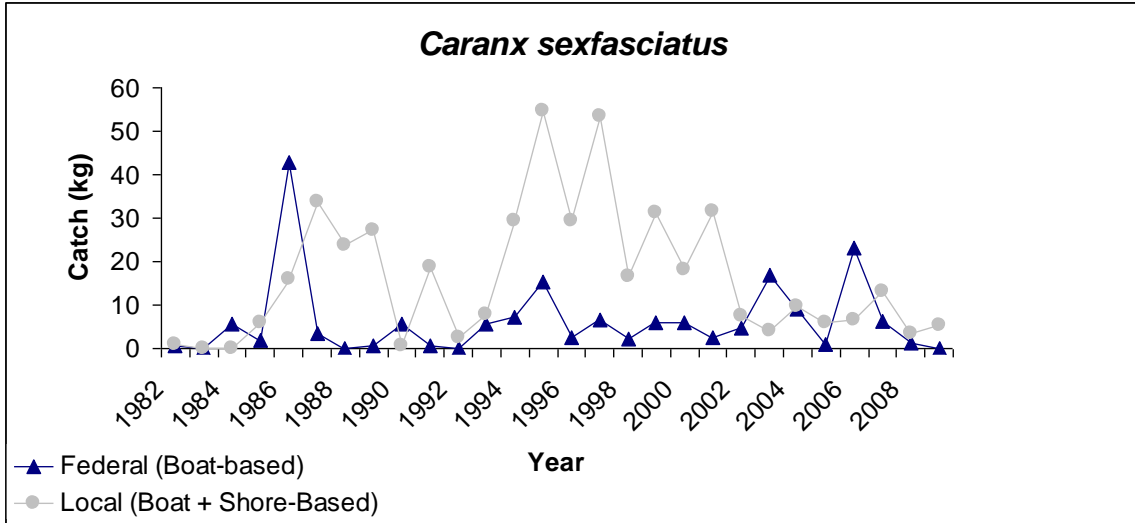
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	17.3	35.0
Standard Deviation	13.8	22.6
Confidence Value	5.1	8.4
Upper Bound CI	22.5	43.4
Lower Bound CI	12.2	26.6



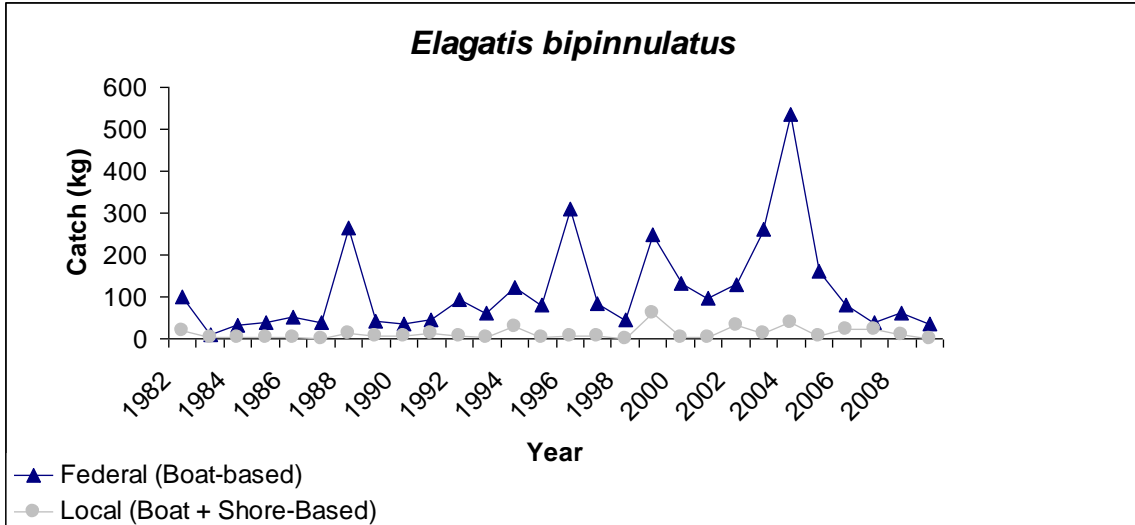
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.9	1.2
Standard Deviation	0.6	0.4
Confidence Value	0.6	0.4
Upper Bound CI	2.5	1.6
Lower Bound CI	1.3	0.8

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	5.1
Standard Deviation	1.3	5.3
Confidence Value	0.5	1.9
Upper Bound CI	1.8	7.1
Lower Bound CI	0.8	3.2



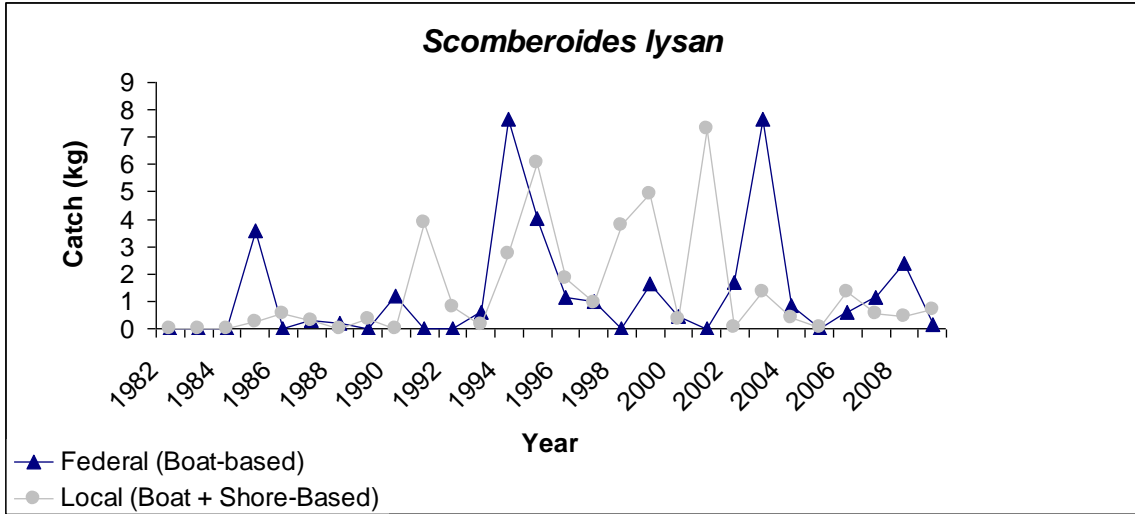
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	6.3	6.9
Standard Deviation	9.6	3.6
Confidence Value	8.4	3.2
Upper Bound CI	14.7	10.0
Lower Bound CI	-2.1	3.7

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	6.3	16.3
Standard Deviation	9.0	15.2
Confidence Value	3.3	5.6
Upper Bound CI	9.7	22.0
Lower Bound CI	3.0	10.7



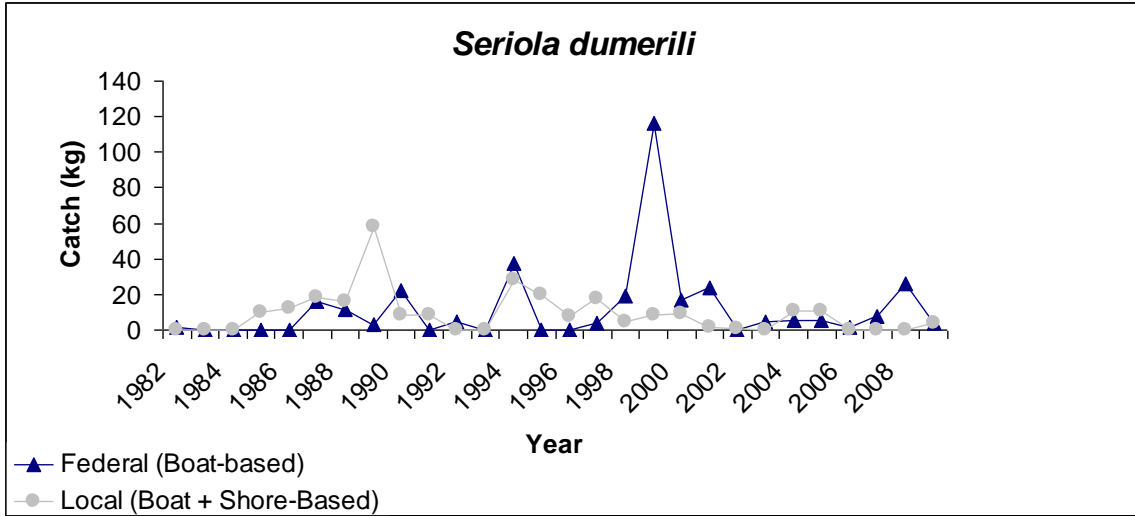
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	76.3	12.6
Standard Deviation	51.3	9.5
Confidence Value	45.0	8.4
Upper Bound CI	121.3	20.9
Lower Bound CI	31.3	4.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	115.5	12.3
Standard Deviation	115.0	14.0
Confidence Value	42.6	5.2
Upper Bound CI	158.1	17.5
Lower Bound CI	73.0	7.1



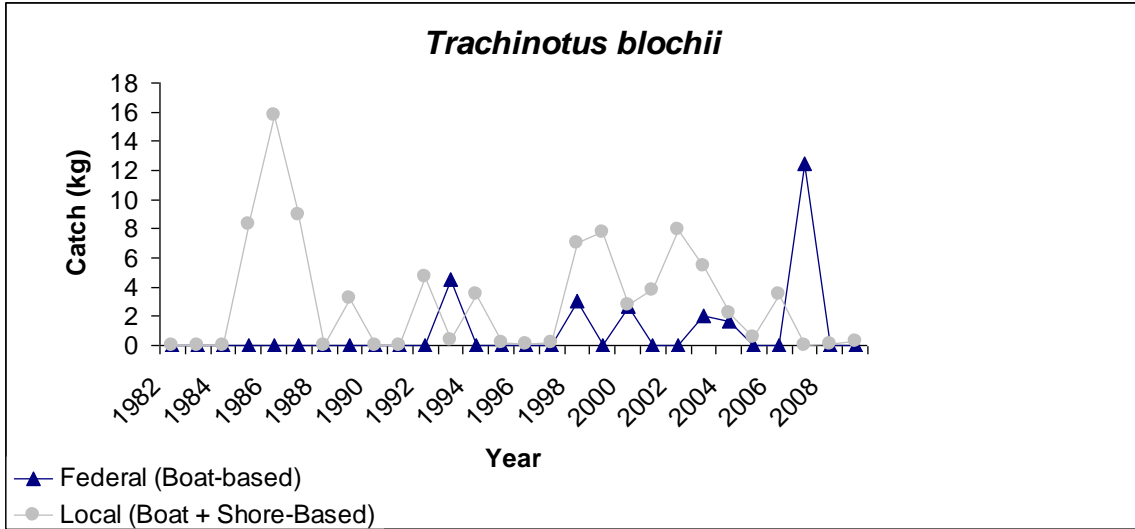
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	0.6
Standard Deviation	1.0	0.5
Confidence Value	0.9	0.4
Upper Bound CI	1.7	1.0
Lower Bound CI	0.0	0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	1.4
Standard Deviation	2.1	2.0
Confidence Value	0.8	0.7
Upper Bound CI	2.1	2.1
Lower Bound CI	0.5	0.7



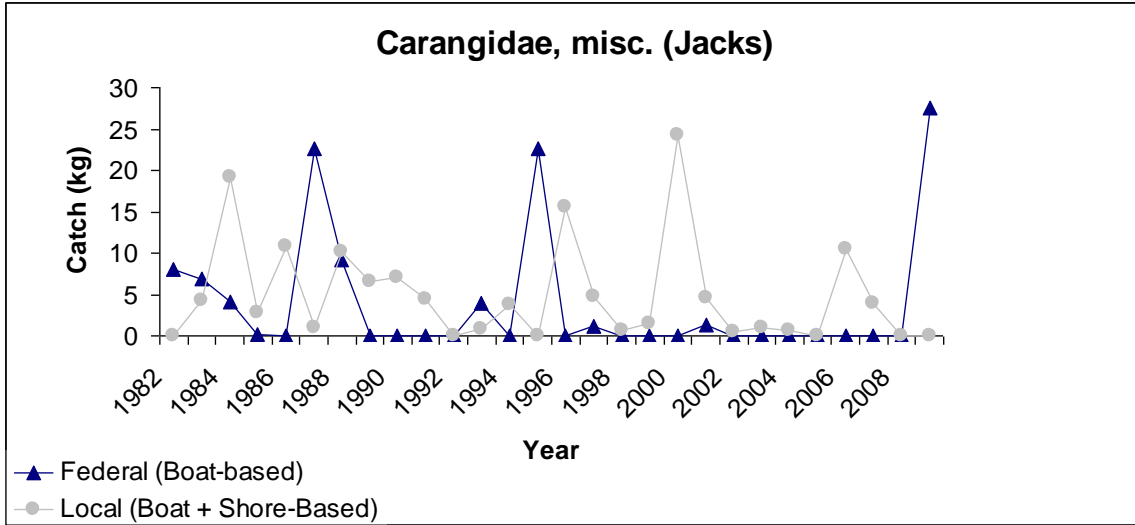
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	8.8	2.8
Standard Deviation	9.8	4.6
Confidence Value	8.6	4.0
Upper Bound CI	17.4	6.9
Lower Bound CI	0.2	-1.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	11.8	9.0
Standard Deviation	22.8	12.2
Confidence Value	8.5	4.5
Upper Bound CI	20.3	13.6
Lower Bound CI	3.4	4.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.5	0.9
Standard Deviation	5.6	1.5
Confidence Value	4.9	1.3
Upper Bound CI	7.4	2.2
Lower Bound CI	-2.4	-0.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	3.1
Standard Deviation	2.5	3.9
Confidence Value	0.9	1.5
Upper Bound CI	1.9	4.6
Lower Bound CI	0.0	1.6

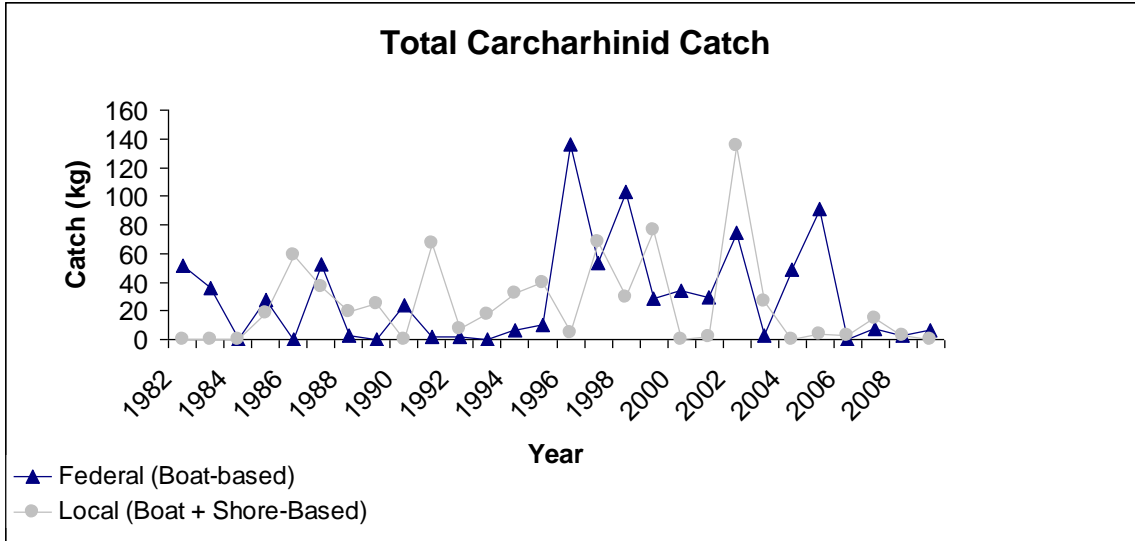


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.5	2.9
Standard Deviation	12.3	4.6
Confidence Value	10.8	4.0
Upper Bound CI	16.3	6.9
Lower Bound CI	-5.3	-1.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.8	5.0
Standard Deviation	7.7	6.3
Confidence Value	2.9	2.3
Upper Bound CI	6.7	7.3
Lower Bound CI	1.0	2.6

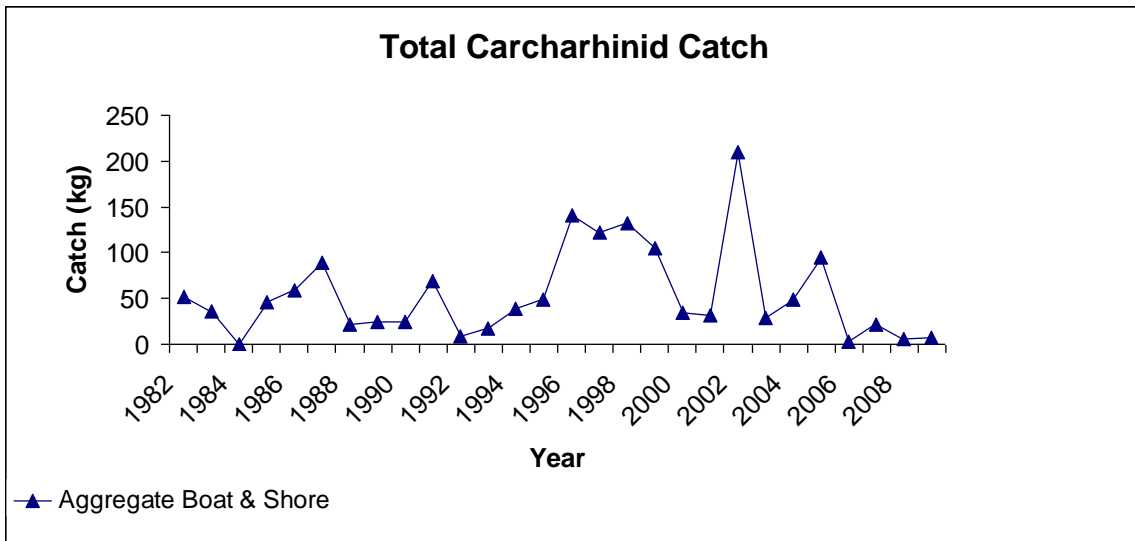


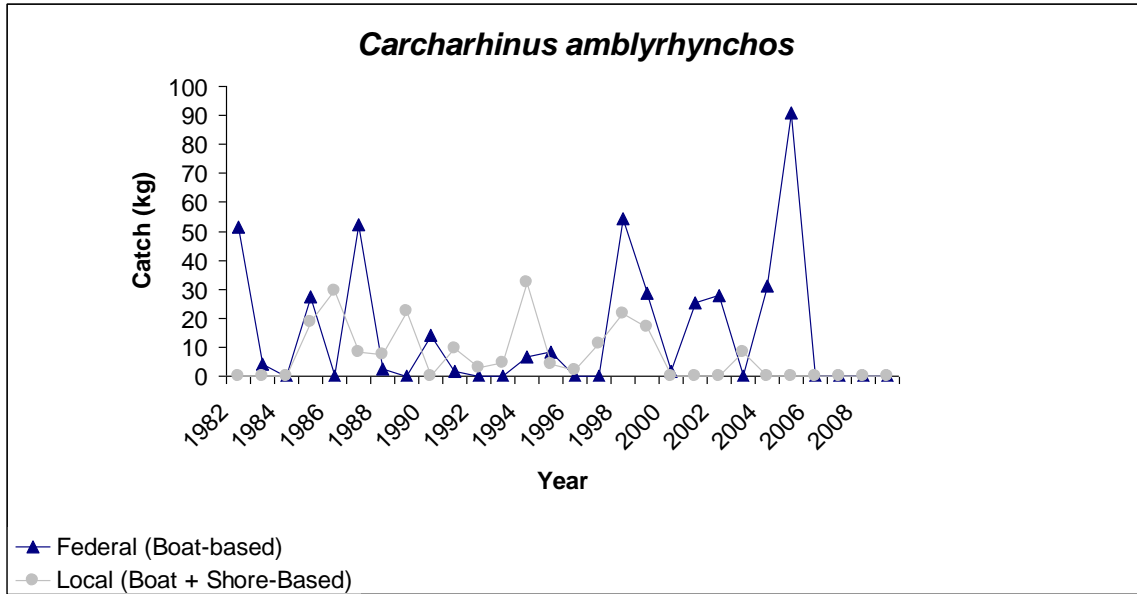
# CARCHARHINIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	21.5	4.8
Standard Deviation	38.8	5.6
Confidence Value	34.0	4.9
Upper Bound CI	55.5	9.7
Lower Bound CI	-12.5	-0.2

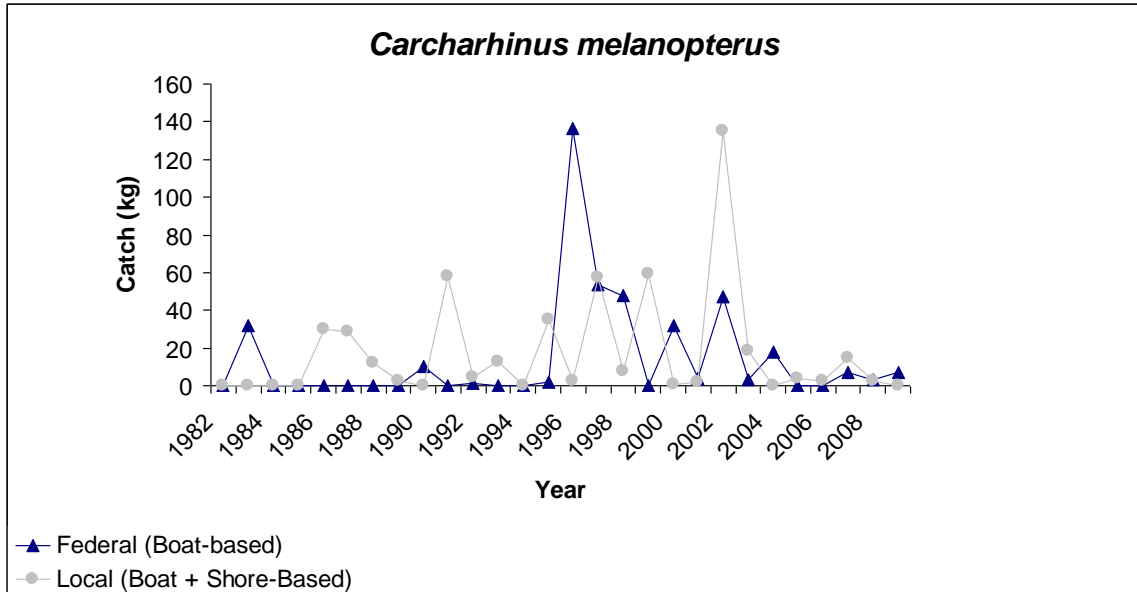
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	29.7	24.7
Standard Deviation	35.8	31.8
Confidence Value	13.3	11.8
Upper Bound CI	42.9	36.4
Lower Bound CI	16.4	12.9





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	18.1	0.0
Standard Deviation	40.6	0.0
Confidence Value	35.6	-
Upper Bound CI	53.7	-
Lower Bound CI	-17.4	-

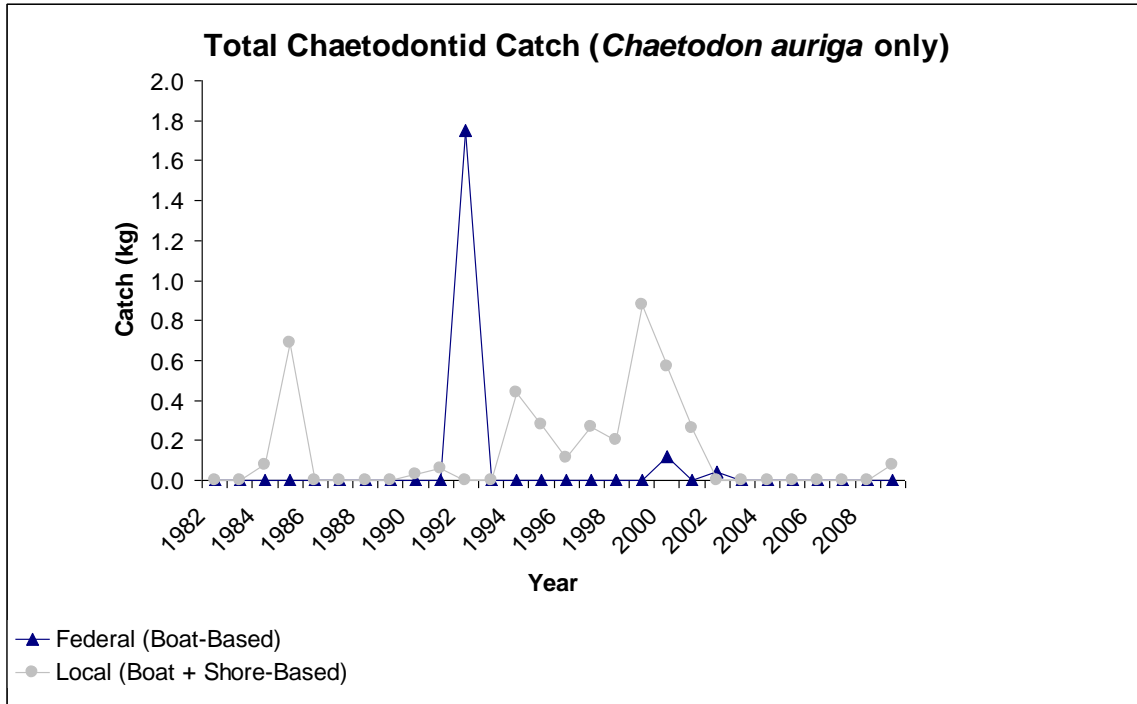
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	15.3	7.2
Standard Deviation	23.0	9.7
Confidence Value	8.5	3.6
Upper Bound CI	23.8	10.8
Lower Bound CI	6.7	3.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.4	4.8
Standard Deviation	3.4	5.6
Confidence Value	3.0	4.9
Upper Bound CI	6.4	9.7
Lower Bound CI	0.3	-0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	14.4	17.5
Standard Deviation	29.0	29.7
Confidence Value	10.8	11.0
Upper Bound CI	25.2	28.5
Lower Bound CI	3.7	6.5

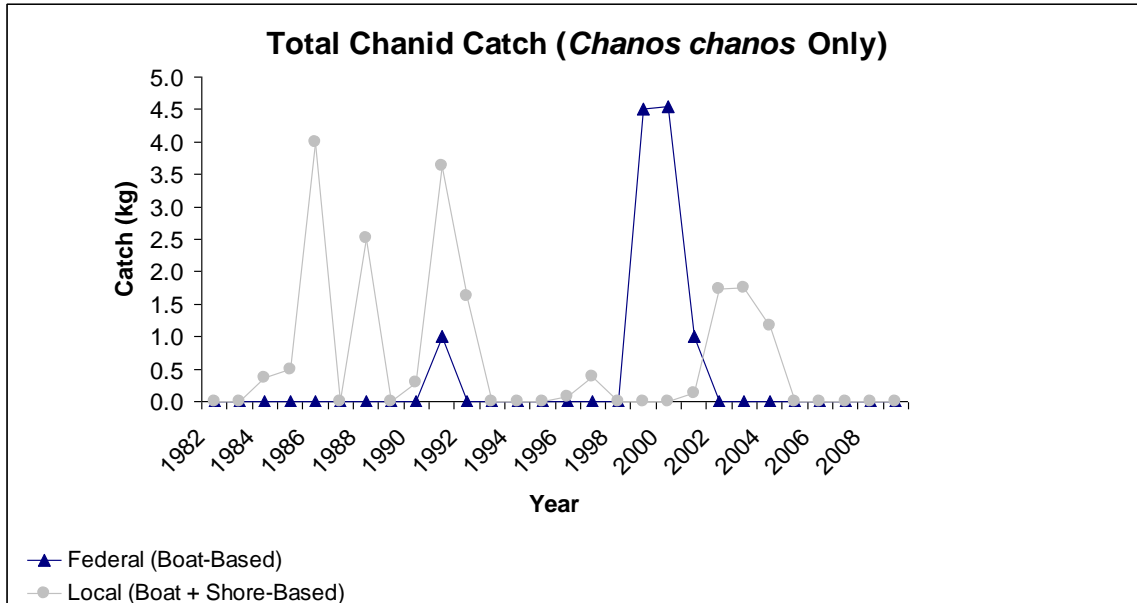
# CHAETODONTIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	0.0
Upper Bound CI	-	0.0
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.1
Standard Deviation	0.3	0.2
Confidence Value	0.1	0.1
Upper Bound CI	0.2	0.2
Lower Bound CI	-0.1	0.1

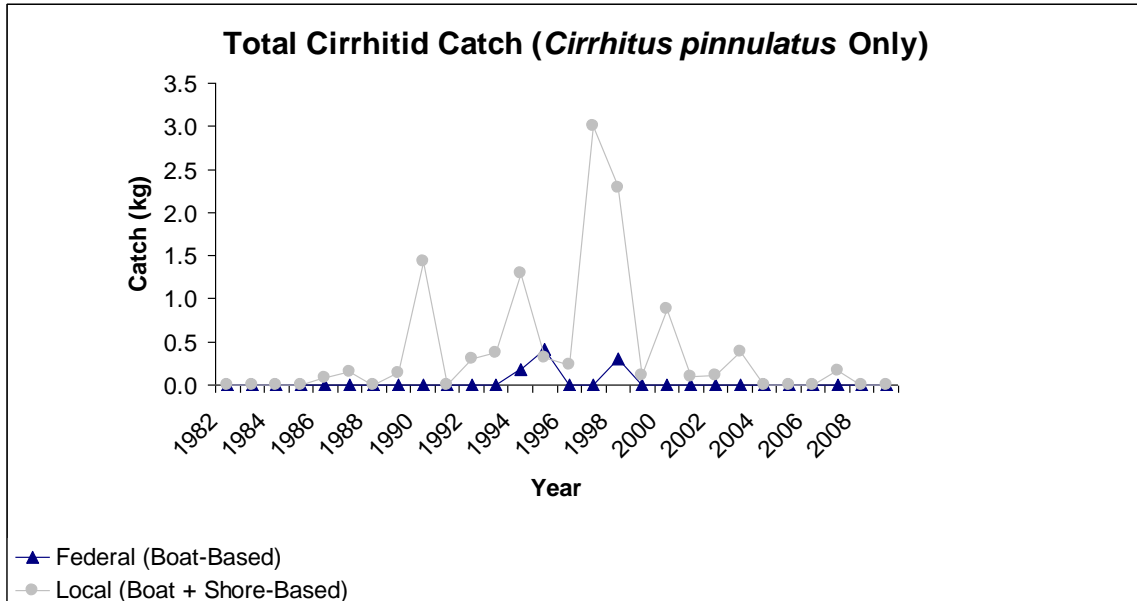
# CHANIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	0.6
Standard Deviation	1.2	1.1
Confidence Value	0.4	0.4
Upper Bound CI	0.8	1.1
Lower Bound CI	0.0	0.2

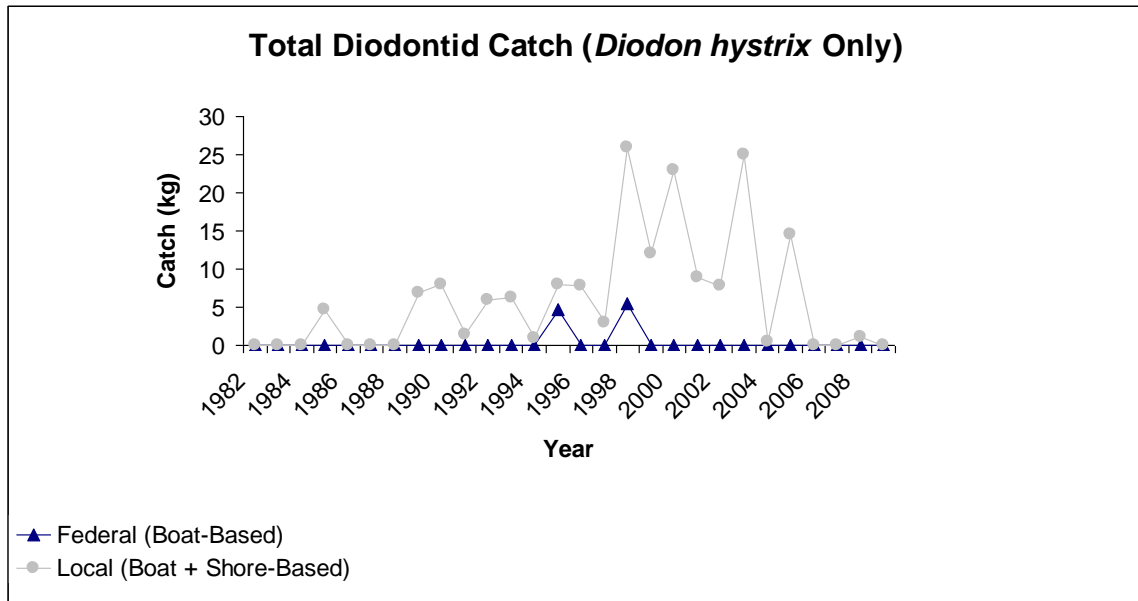
# CIRRHITIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.4
Standard Deviation	0.1	0.7
Confidence Value	0.0	0.3
Upper Bound CI	0.1	0.7
Lower Bound CI	0.0	0.1

# DIDODONTIDAE

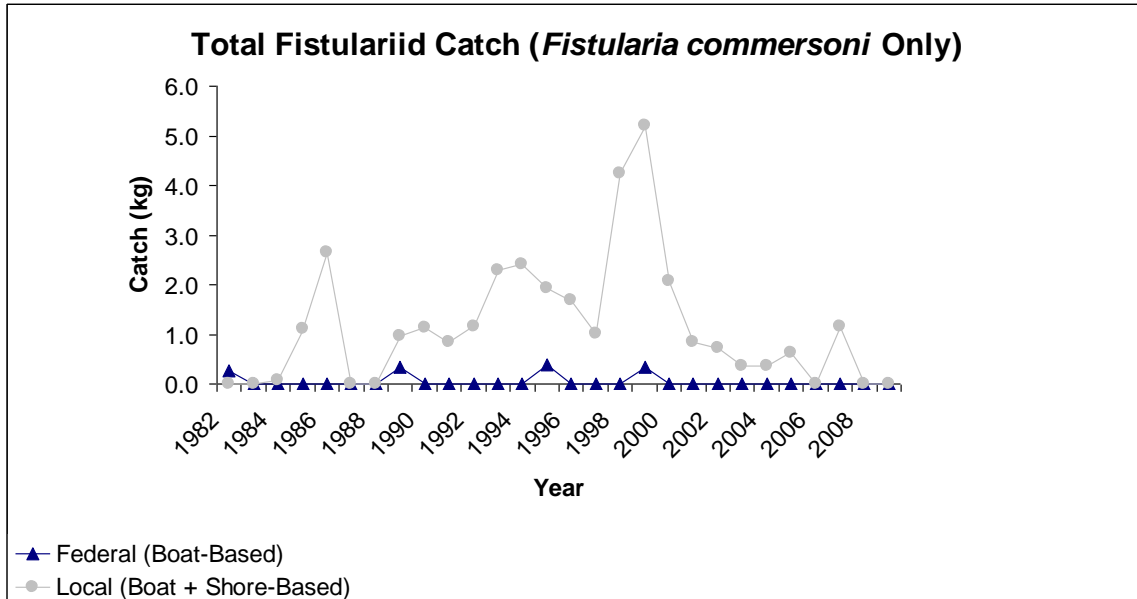


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	3.1
Standard Deviation	0.0	6.4
Confidence Value	-	5.6
Upper Bound CI	-	8.7
Lower Bound CI	-	-2.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	6.1
Standard Deviation	1.3	7.7
Confidence Value	0.5	2.9
Upper Bound CI	0.9	9.0
Lower Bound CI	-0.1	3.3



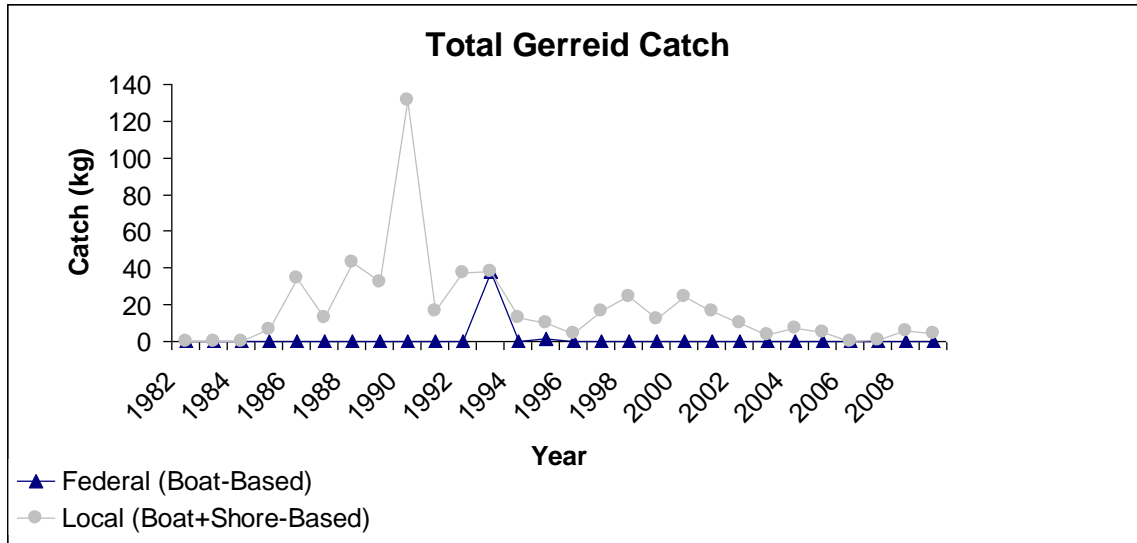
# FISTULARIIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.4
Standard Deviation	0.0	0.5
Confidence Value	-	0.5
Upper Bound CI	-	0.8
Lower Bound CI	-	-0.1

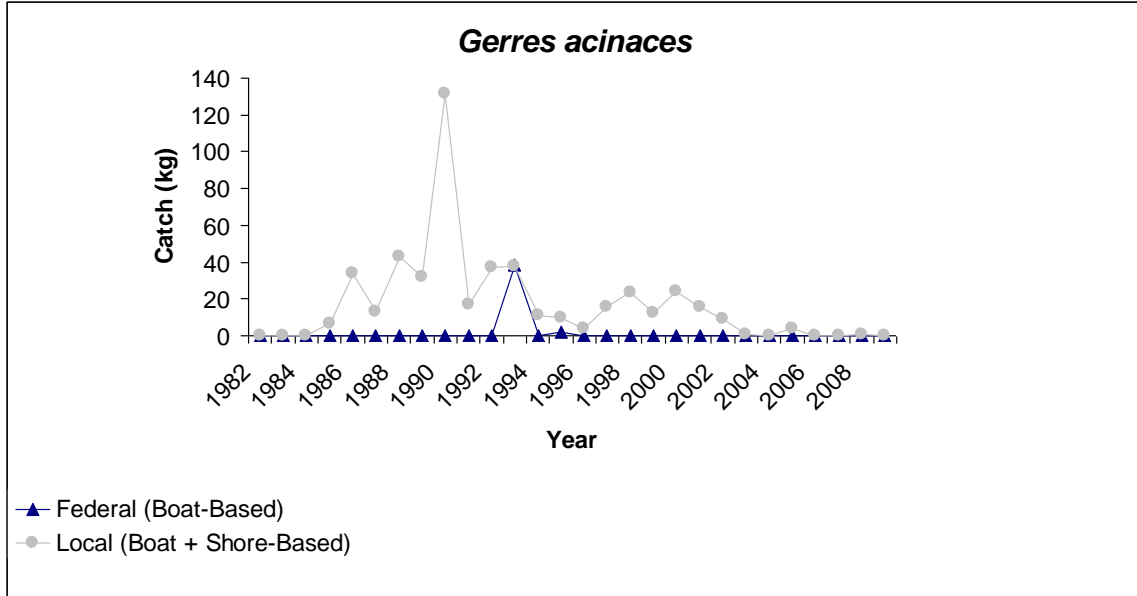
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.2
Standard Deviation	0.1	1.3
Confidence Value	0.0	0.5
Upper Bound CI	0.1	1.7
Lower Bound CI	0.0	0.7

# GERREIDAE



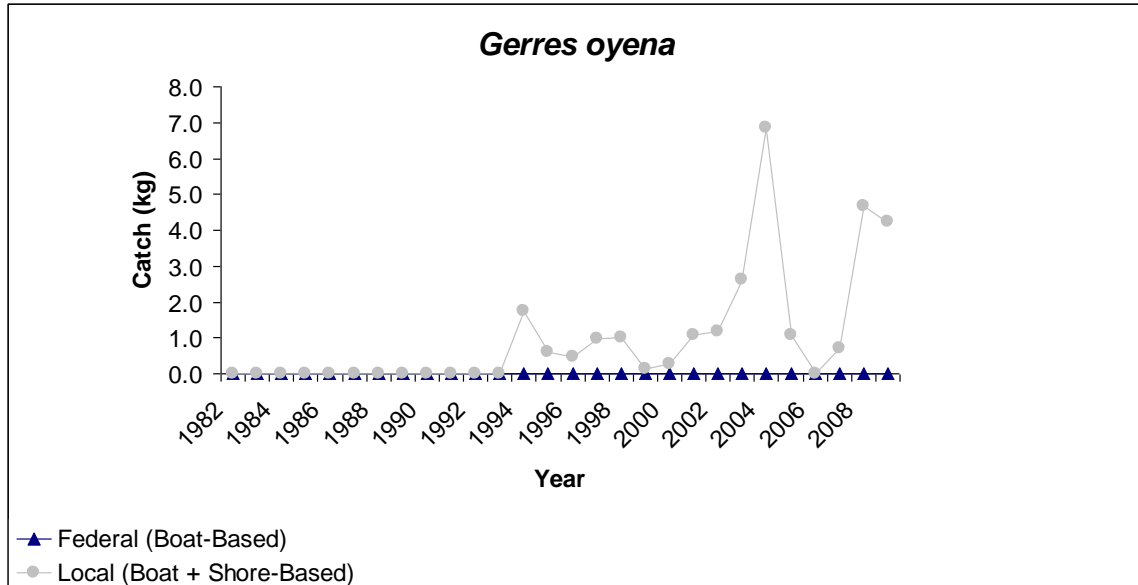
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	3.1
Standard Deviation	0.0	2.6
Confidence Value	-	2.2
Upper Bound CI	-	5.4
Lower Bound CI	-	0.9

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.4	18.2
Standard Deviation	7.2	25.7
Confidence Value	2.7	9.5
Upper Bound CI	4.1	27.7
Lower Bound CI	-1.2	8.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.0
Standard Deviation	0.0	1.8
Confidence Value	-	1.5
Upper Bound CI	-	2.5
Lower Bound CI	-	-0.5

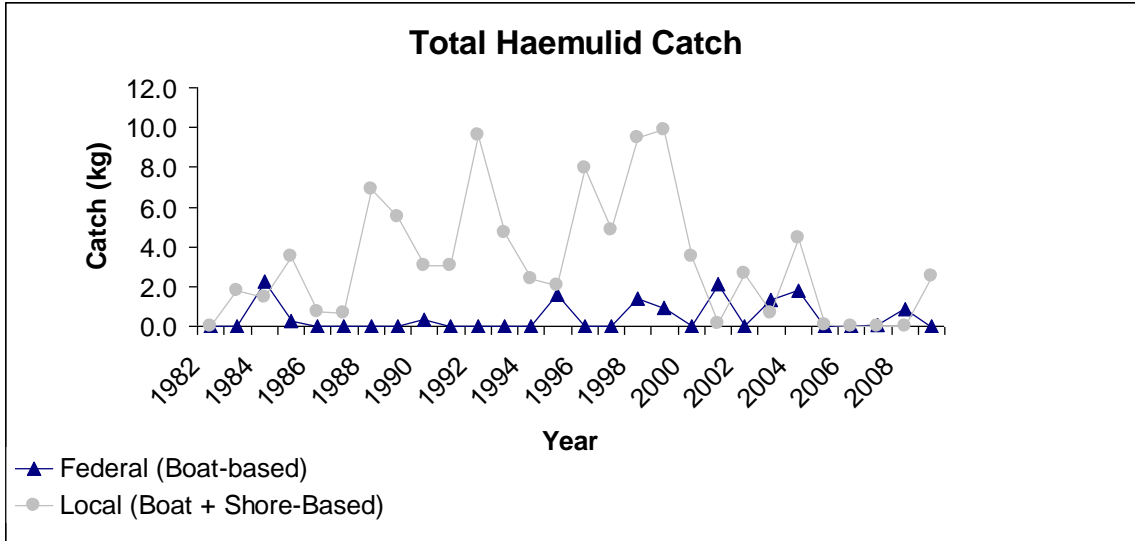
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.4	17.2
Standard Deviation	7.2	26.2
Confidence Value	2.7	9.7
Upper Bound CI	4.1	26.9
Lower Bound CI	-1.2	7.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	2.1
Standard Deviation	0.0	2.2
Confidence Value	-	1.9
Upper Bound CI	-	4.0
Lower Bound CI	-	0.2

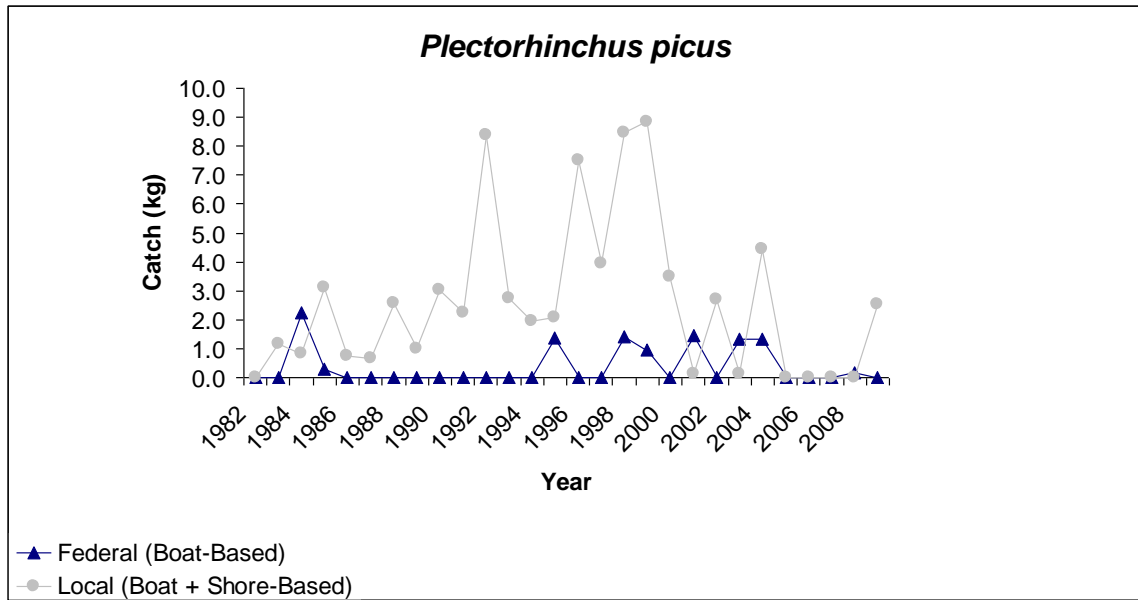
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.0
Standard Deviation	0.0	1.7
Confidence Value	-	0.6
Upper Bound CI	-	1.6
Lower Bound CI	-	0.4

# HAEMULIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.5
Standard Deviation	0.4	1.1
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

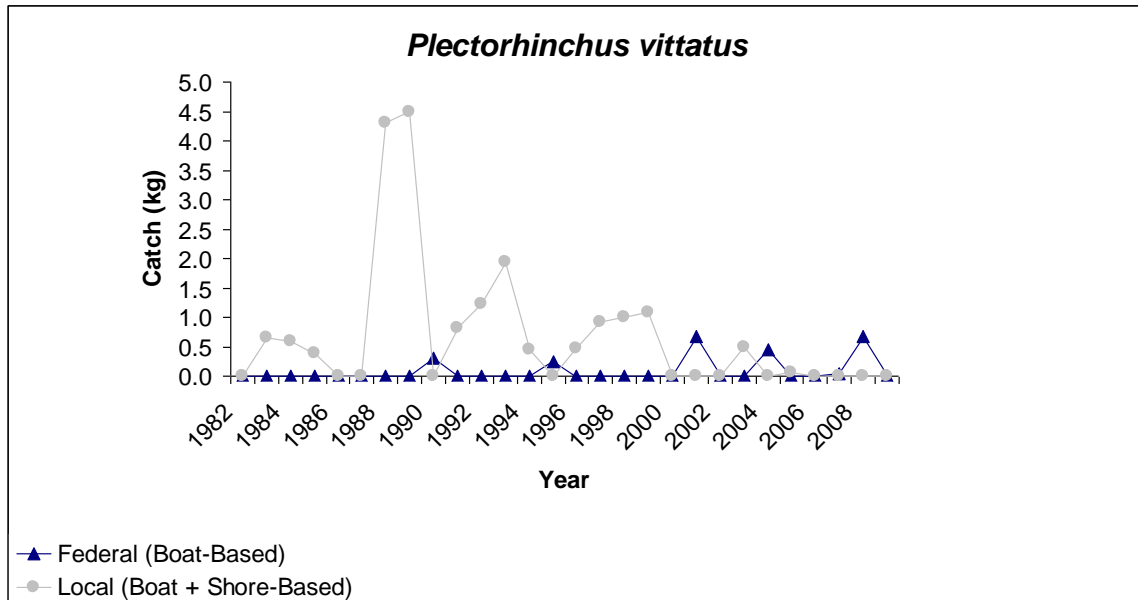
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	3.3
Standard Deviation	0.7	3.1
Confidence Value	0.3	1.2
Upper Bound CI	0.8	4.5
Lower Bound CI	0.2	2.0



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.5
Standard Deviation	0.1	1.1
Confidence Value	0.1	1.0
Upper Bound CI	0.1	1.5
Lower Bound CI	0.0	-0.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	2.6
Standard Deviation	0.7	2.7
Confidence Value	0.2	1.0
Upper Bound CI	0.6	3.6
Lower Bound CI	0.1	1.6

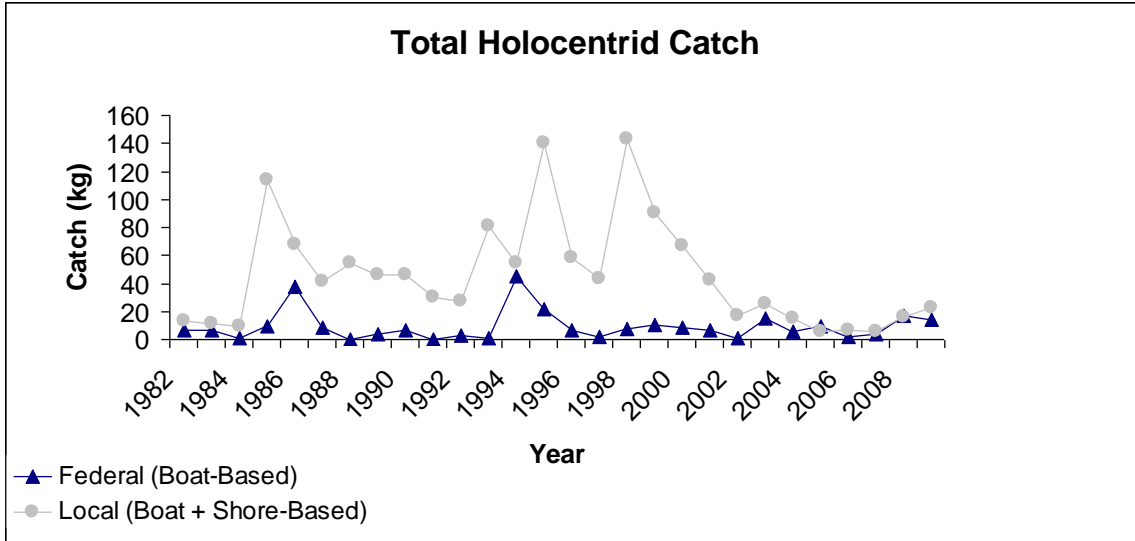




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.0
Standard Deviation	0.3	0.0
Confidence Value	0.3	0.0
Upper Bound CI	0.4	0.0
Lower Bound CI	-0.1	0.0

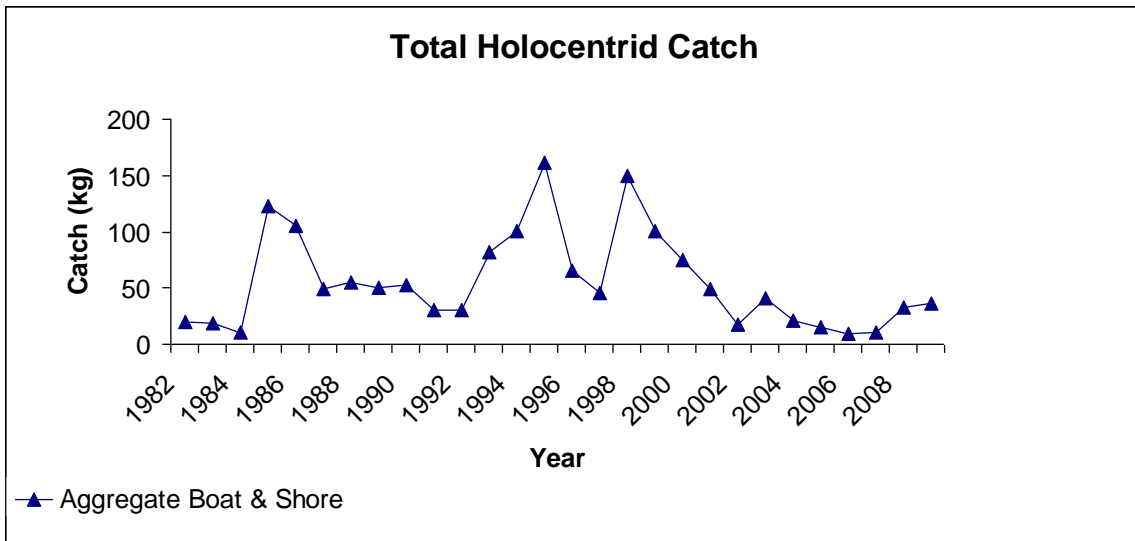
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.7
Standard Deviation	0.2	1.2
Confidence Value	0.1	0.4
Upper Bound CI	0.2	1.1
Lower Bound CI	0.0	0.2

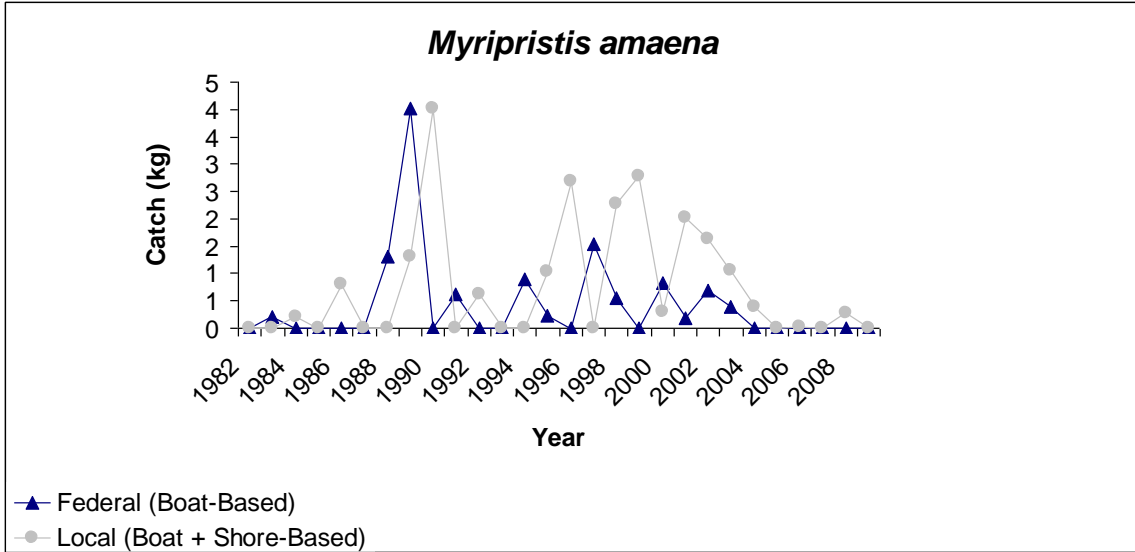
# HOLOCENTRIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.4	11.3
Standard Deviation	6.5	7.3
Confidence Value	5.7	6.4
Upper Bound CI	15.1	17.8
Lower Bound CI	3.7	4.9

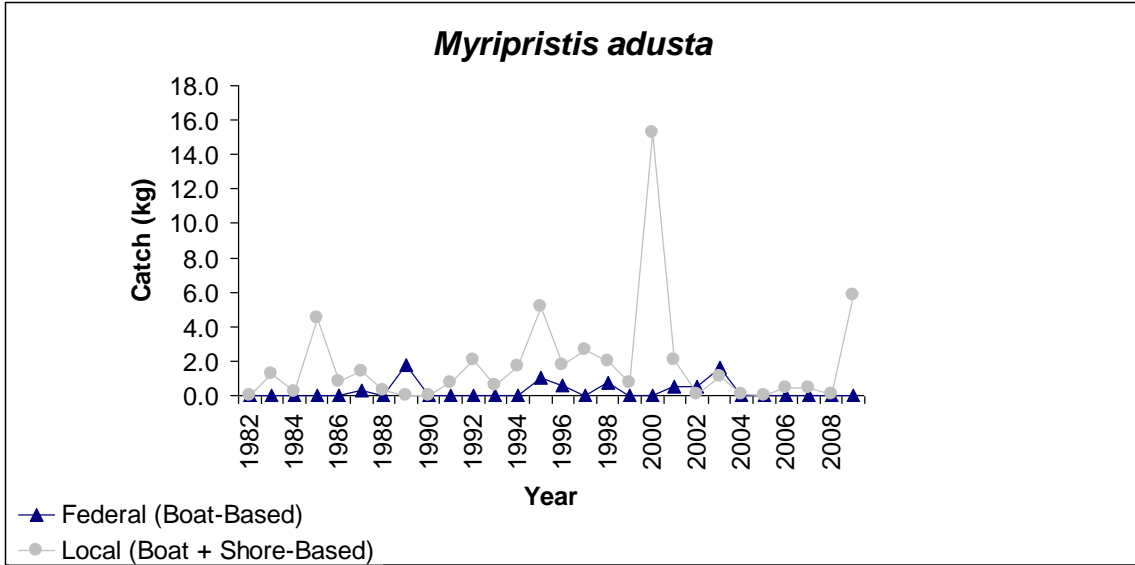
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.3	46.3
Standard Deviation	10.6	38.4
Confidence Value	3.9	14.2
Upper Bound CI	13.2	60.5
Lower Bound CI	5.4	32.1





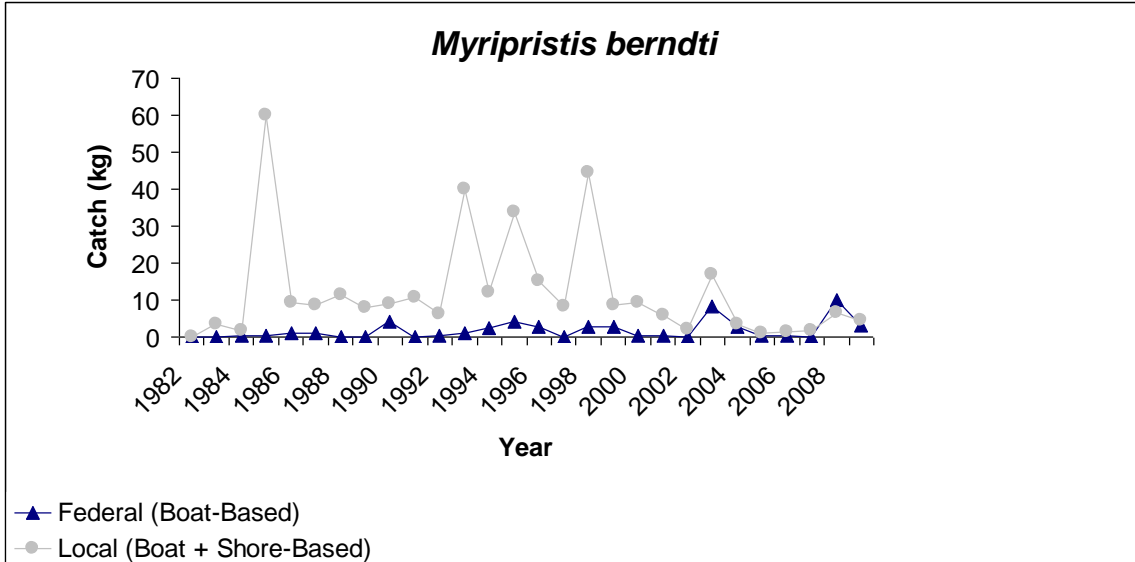
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.2
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	0.8
Standard Deviation	0.8	1.1
Confidence Value	0.3	0.4
Upper Bound CI	0.7	1.2
Lower Bound CI	0.1	0.4



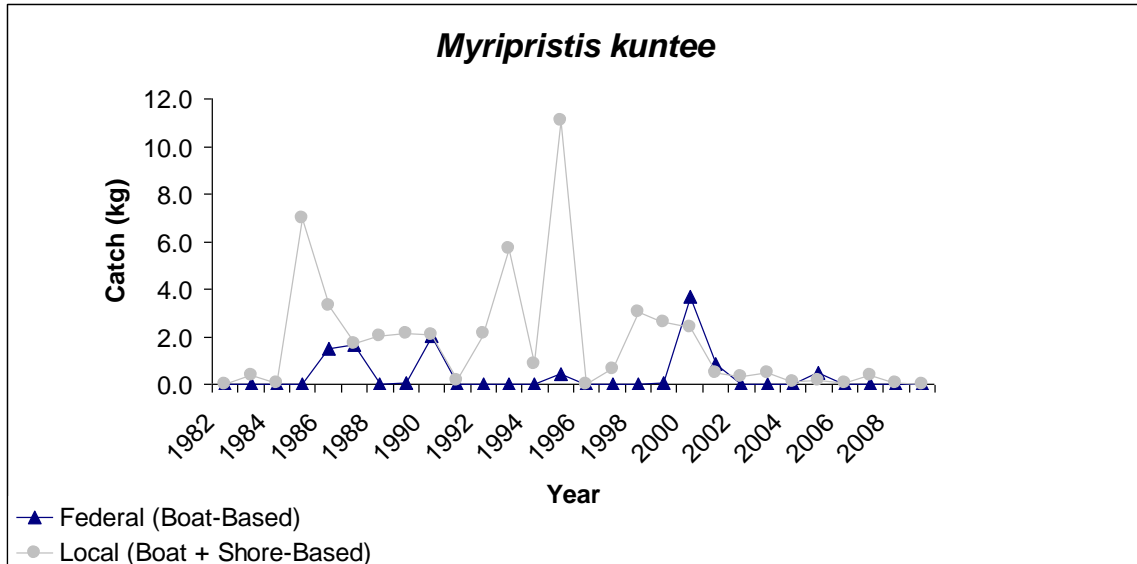
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.4
Standard Deviation	0.0	2.5
Confidence Value	-	2.2
Upper Bound CI	-	3.5
Lower Bound CI	-	-0.8

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.8
Standard Deviation	0.5	3.1
Confidence Value	0.2	1.1
Upper Bound CI	0.4	3.0
Lower Bound CI	0.1	0.7



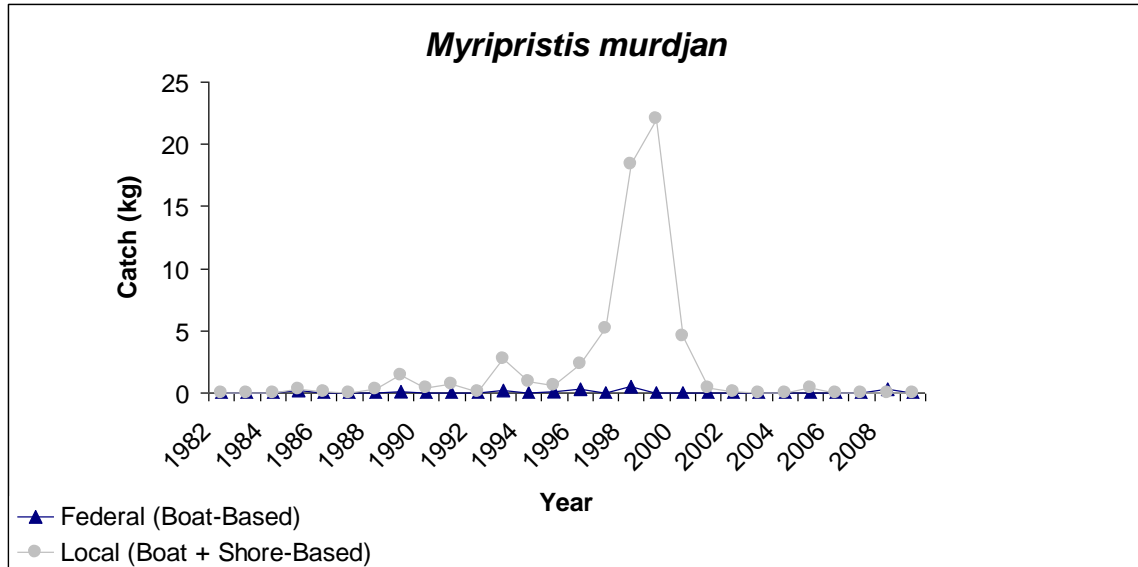
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.8	3.0
Standard Deviation	4.3	2.4
Confidence Value	3.8	2.1
Upper Bound CI	6.6	5.1
Lower Bound CI	-0.9	0.9

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.8	12.3
Standard Deviation	2.5	14.6
Confidence Value	0.9	5.4
Upper Bound CI	2.7	17.7
Lower Bound CI	0.8	6.9



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.1
Standard Deviation	0.2	0.2
Confidence Value	0.2	0.1
Upper Bound CI	0.3	0.3
Lower Bound CI	-0.1	0.0

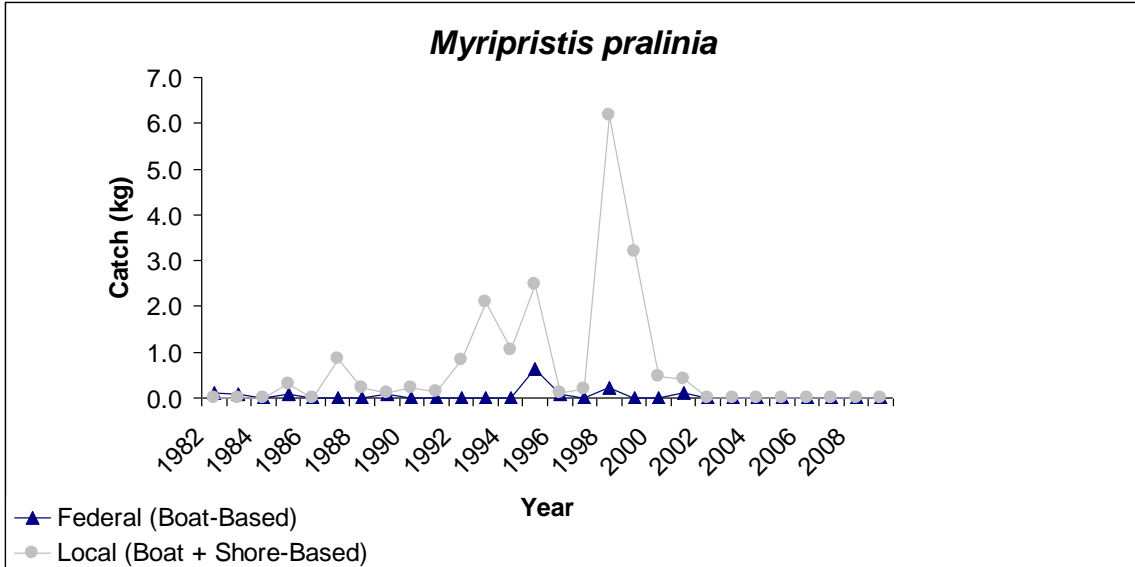
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	1.8
Standard Deviation	0.9	2.5
Confidence Value	0.3	0.9
Upper Bound CI	0.7	2.7
Lower Bound CI	0.1	0.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.1
Standard Deviation	0.2	0.2
Confidence Value	0.1	0.2
Upper Bound CI	0.2	0.3
Lower Bound CI	-0.1	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	2.2
Standard Deviation	0.1	5.3
Confidence Value	0.0	2.0
Upper Bound CI	0.1	4.1
Lower Bound CI	0.0	0.2

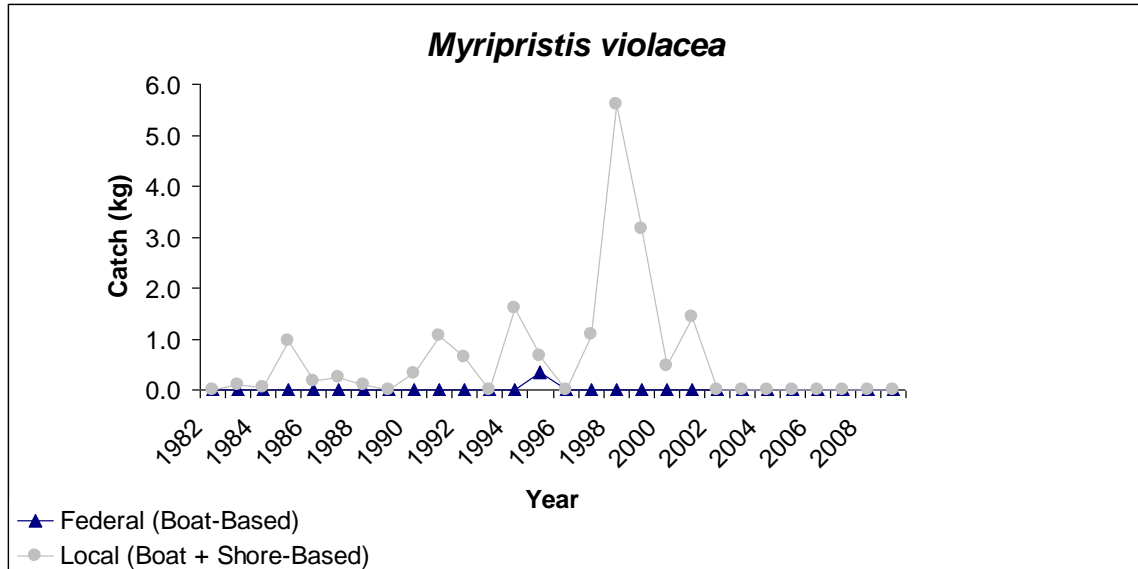




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

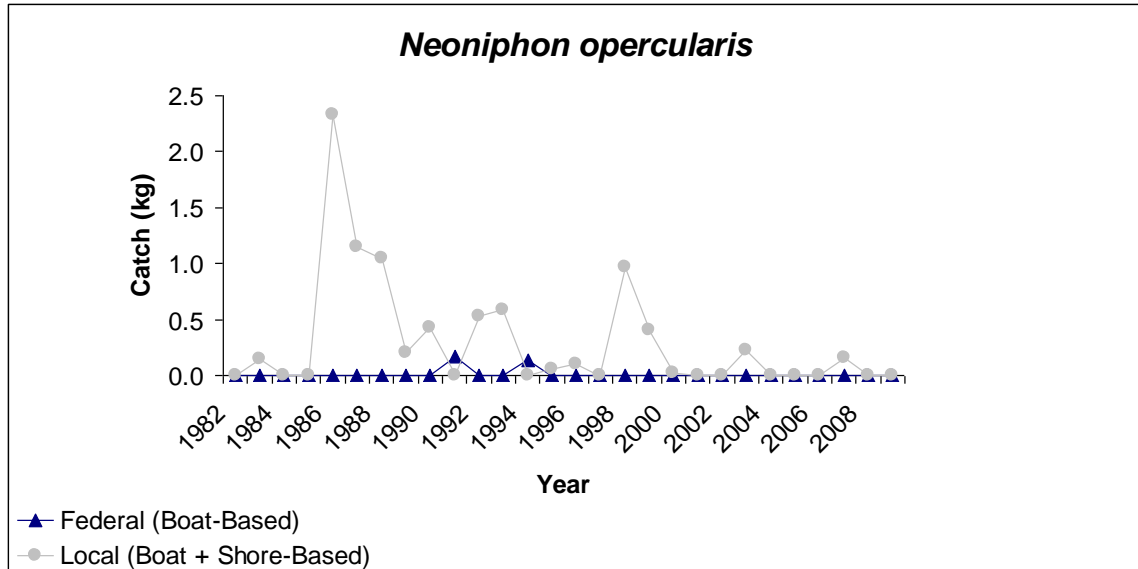
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.7
Standard Deviation	0.1	1.4
Confidence Value	0.0	0.5
Upper Bound CI	0.1	1.2
Lower Bound CI	0.0	0.2



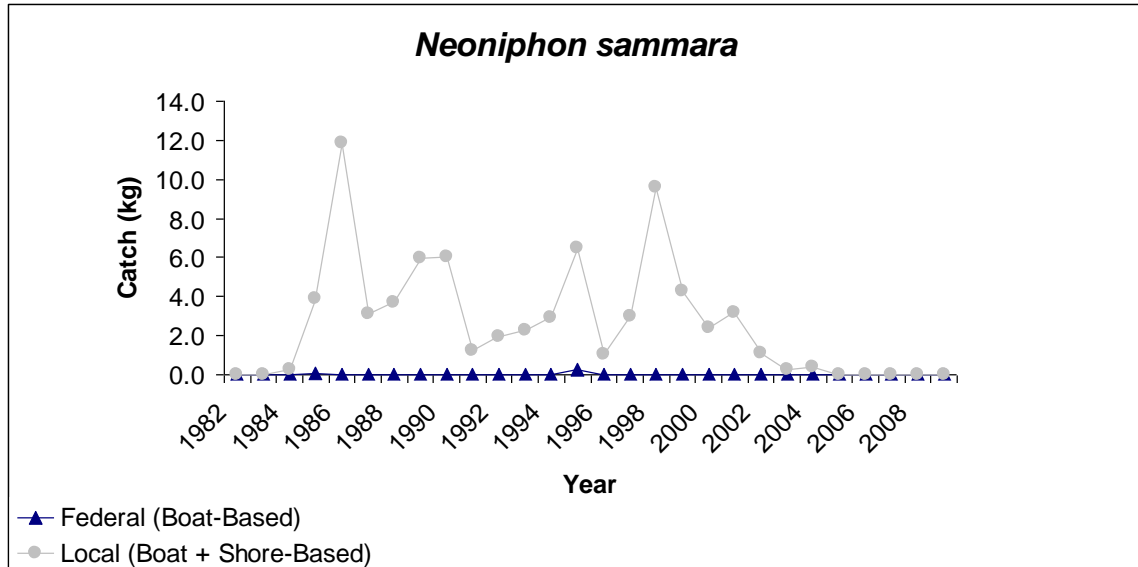
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.6
Standard Deviation	0.1	1.2
Confidence Value	0.0	0.4
Upper Bound CI	0.0	1.1
Lower Bound CI	0.0	0.2



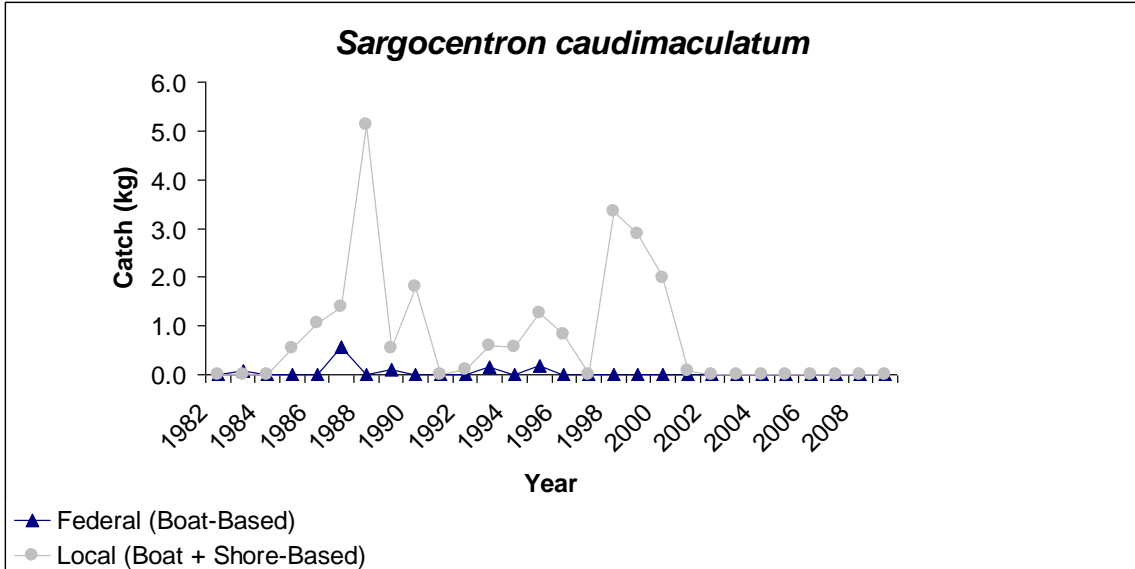
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.3
Standard Deviation	0.0	0.5
Confidence Value	0.0	0.2
Upper Bound CI	0.0	0.5
Lower Bound CI	0.0	0.1



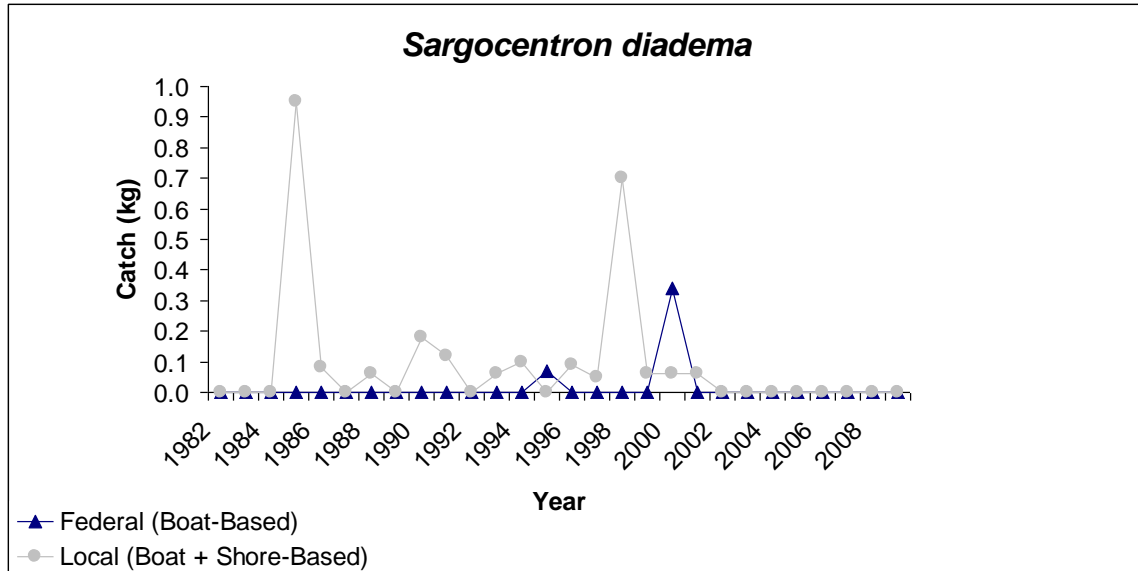
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	2.8
Standard Deviation	0.1	3.1
Confidence Value	0.0	1.1
Upper Bound CI	0.0	3.9
Lower Bound CI	0.0	1.6



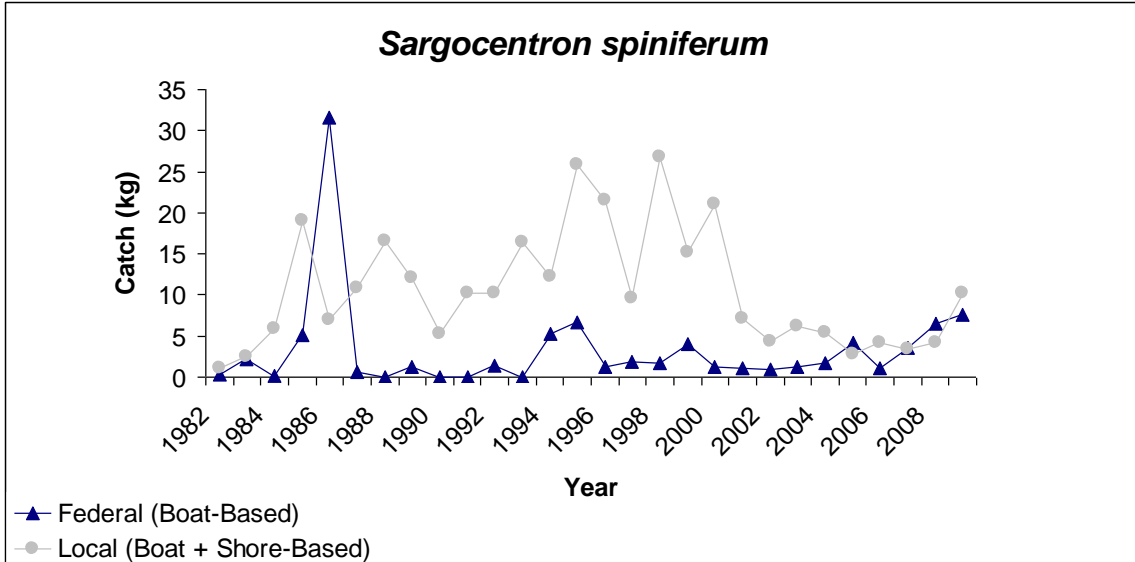
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.8
Standard Deviation	0.1	1.2
Confidence Value	0.0	0.5
Upper Bound CI	0.1	1.3
Lower Bound CI	0.0	0.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

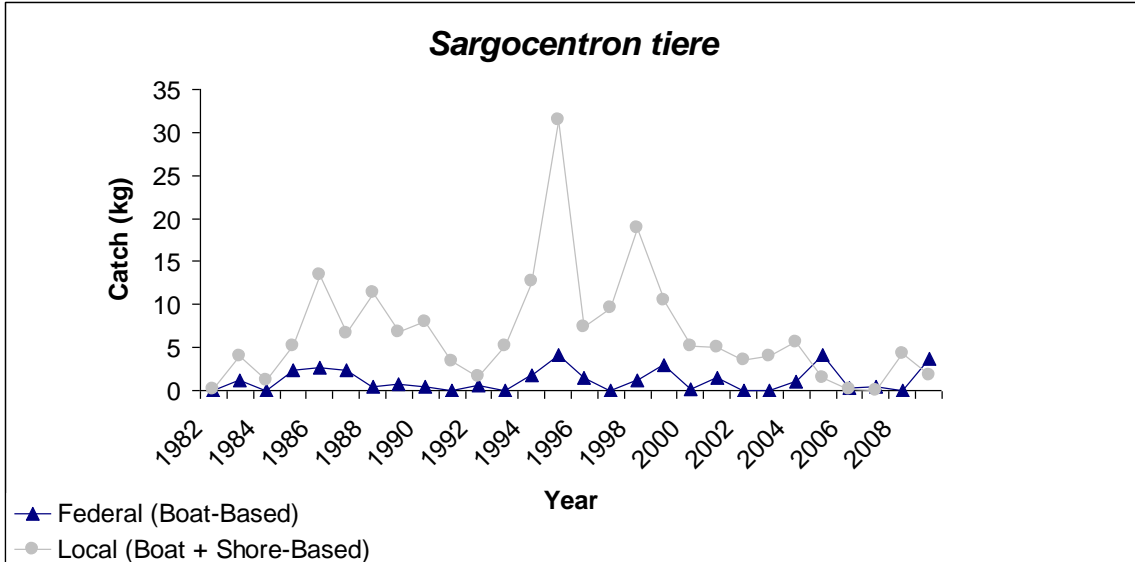
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.1	0.2
Confidence Value	0.0	0.1
Upper Bound CI	0.0	0.2
Lower Bound CI	0.0	0.0



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.6	5.0
Standard Deviation	2.5	3.0
Confidence Value	2.2	2.6
Upper Bound CI	6.8	7.6
Lower Bound CI	2.4	2.3

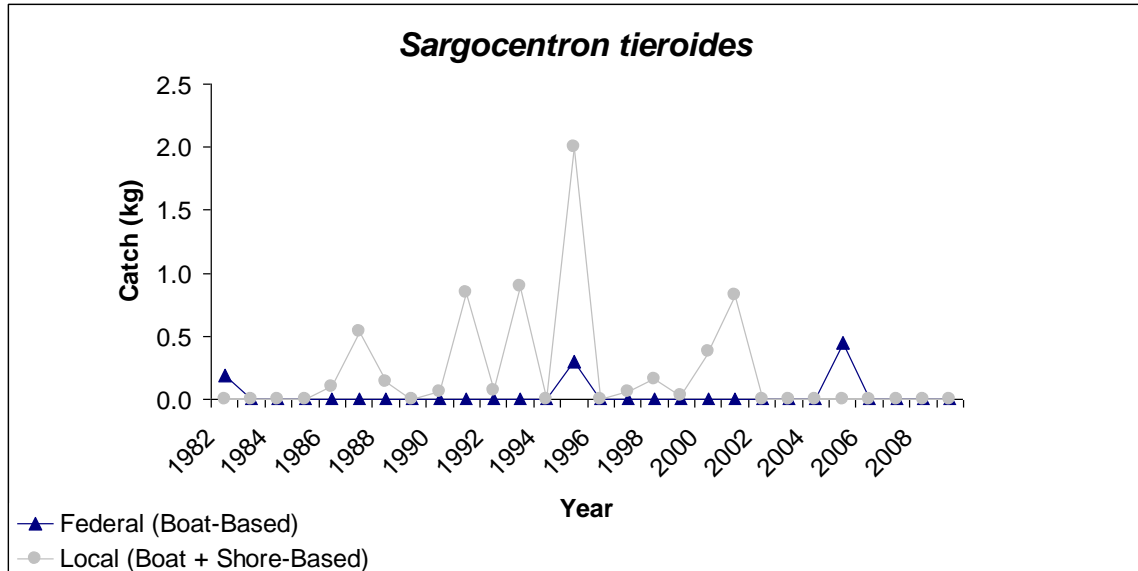
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.3	10.6
Standard Deviation	6.0	7.2
Confidence Value	2.2	2.7
Upper Bound CI	5.5	13.3
Lower Bound CI	1.1	7.9



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	1.5
Standard Deviation	2.0	1.7
Confidence Value	1.8	1.5
Upper Bound CI	3.5	3.0
Lower Bound CI	0.0	0.0

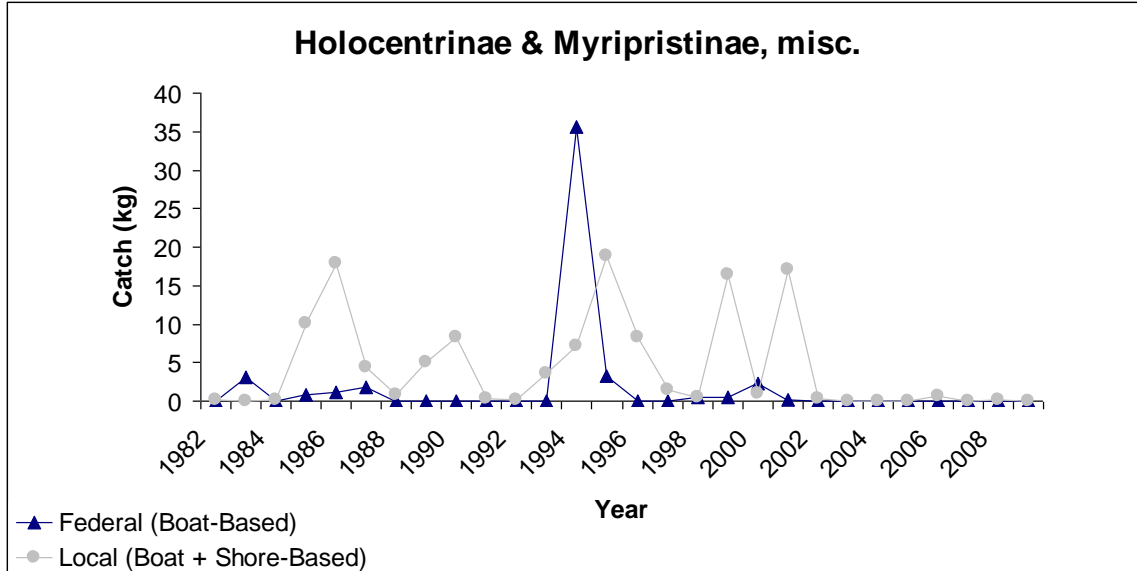
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.2	6.7
Standard Deviation	1.3	6.6
Confidence Value	0.5	2.5
Upper Bound CI	1.7	9.2
Lower Bound CI	0.7	4.3





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.0
Standard Deviation	0.2	0.0
Confidence Value	0.2	-
Upper Bound CI	0.3	-
Lower Bound CI	-0.1	-

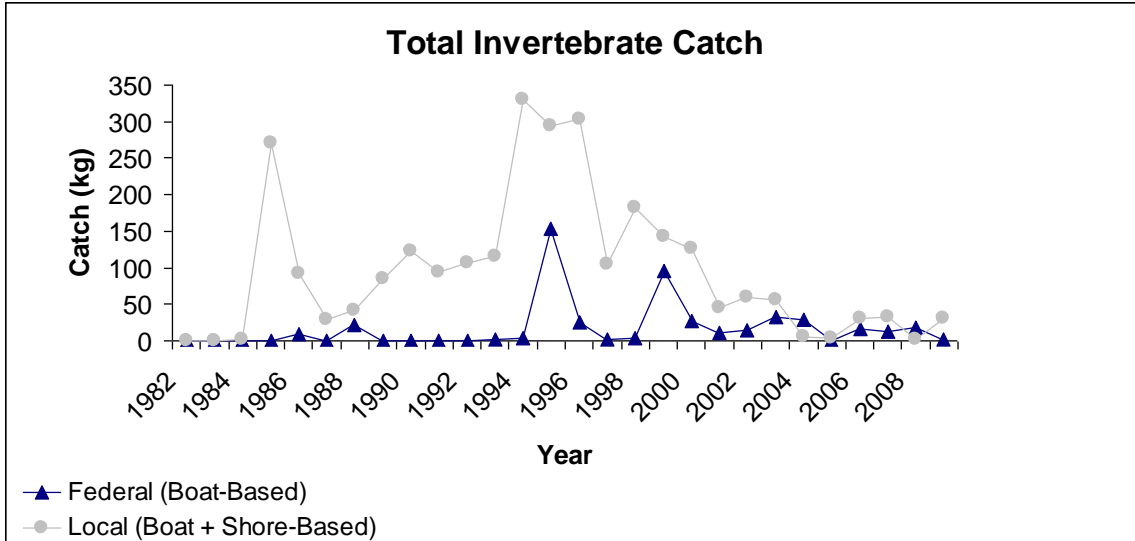
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.1	0.4
Confidence Value	0.0	0.2
Upper Bound CI	0.1	0.4
Lower Bound CI	0.0	0.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.3
Confidence Value	-	0.3
Upper Bound CI	-	0.4
Lower Bound CI	-	-0.1

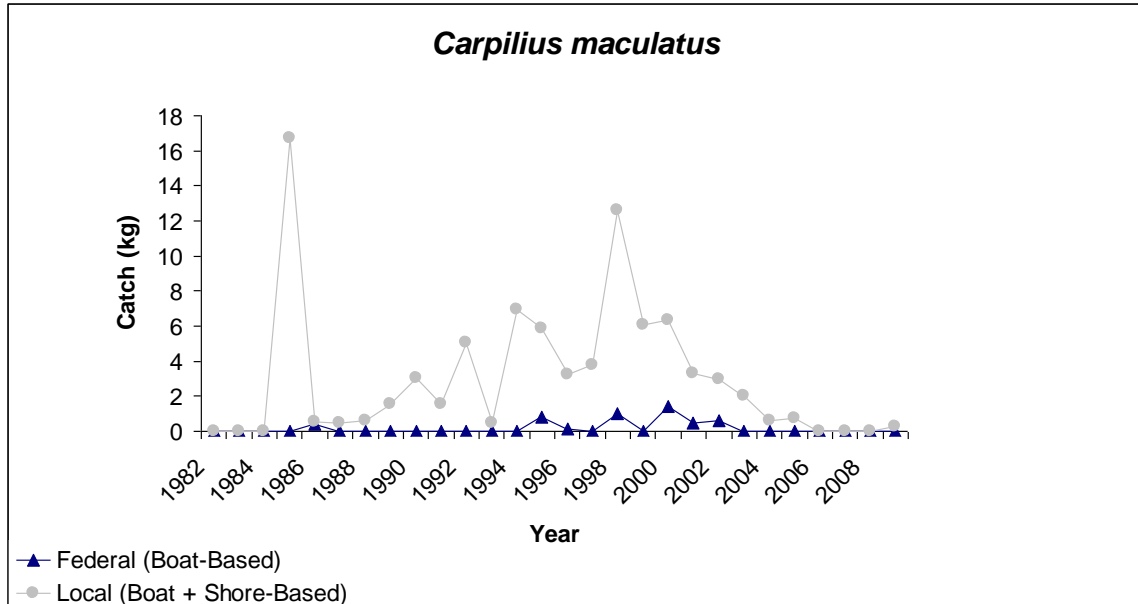
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.8	4.4
Standard Deviation	6.7	6.2
Confidence Value	2.5	2.3
Upper Bound CI	4.2	6.7
Lower Bound CI	-0.7	2.1

# INVERTEBRATES (Miscellaneous Families)



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.6	20.0
Standard Deviation	8.6	15.6
Confidence Value	7.6	13.7
Upper Bound CI	17.2	33.7
Lower Bound CI	2.0	6.3

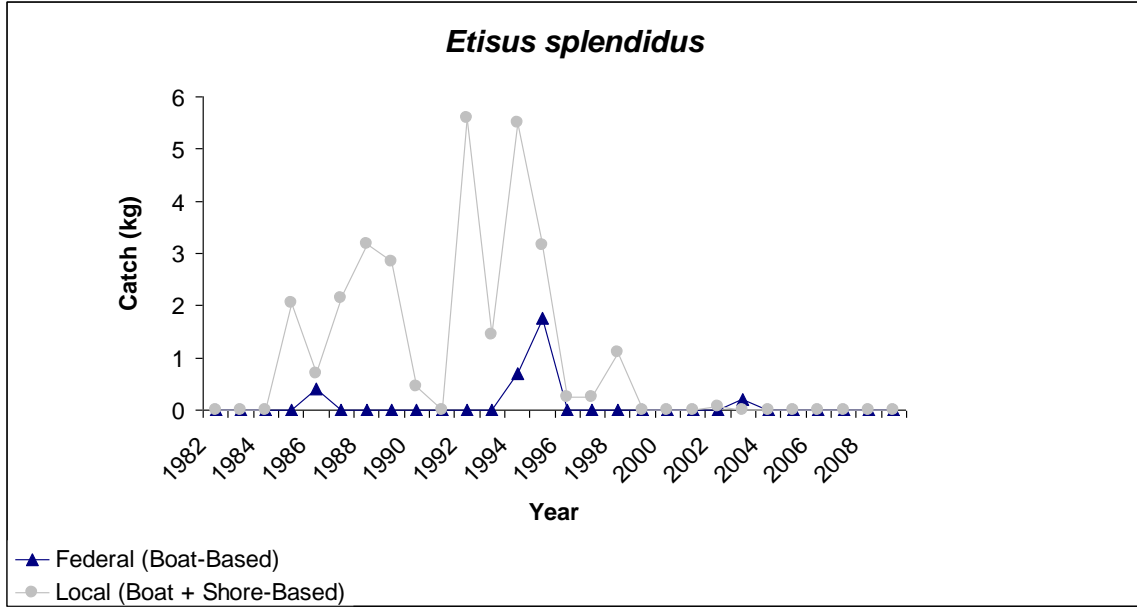
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	17.1	96.8
Standard Deviation	33.1	97.7
Confidence Value	12.3	36.2
Upper Bound CI	29.3	132.9
Lower Bound CI	4.8	60.6



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.3
Confidence Value	-	0.3
Upper Bound CI	-	0.5
Lower Bound CI	-	-0.1

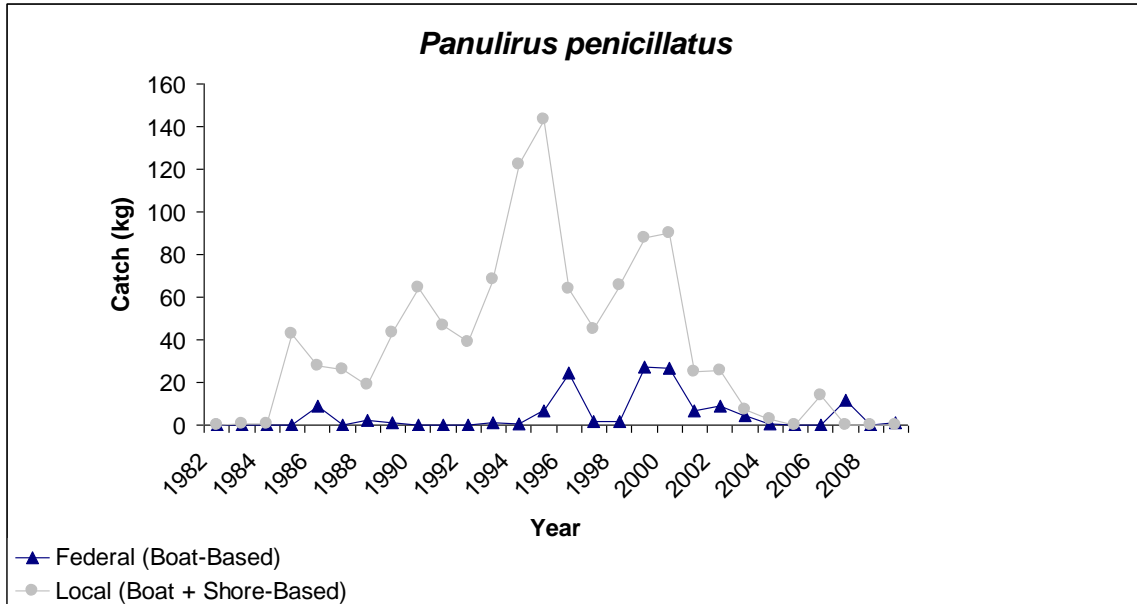
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	3.0
Standard Deviation	0.4	4.0
Confidence Value	0.1	1.5
Upper Bound CI	0.3	4.5
Lower Bound CI	0.0	1.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

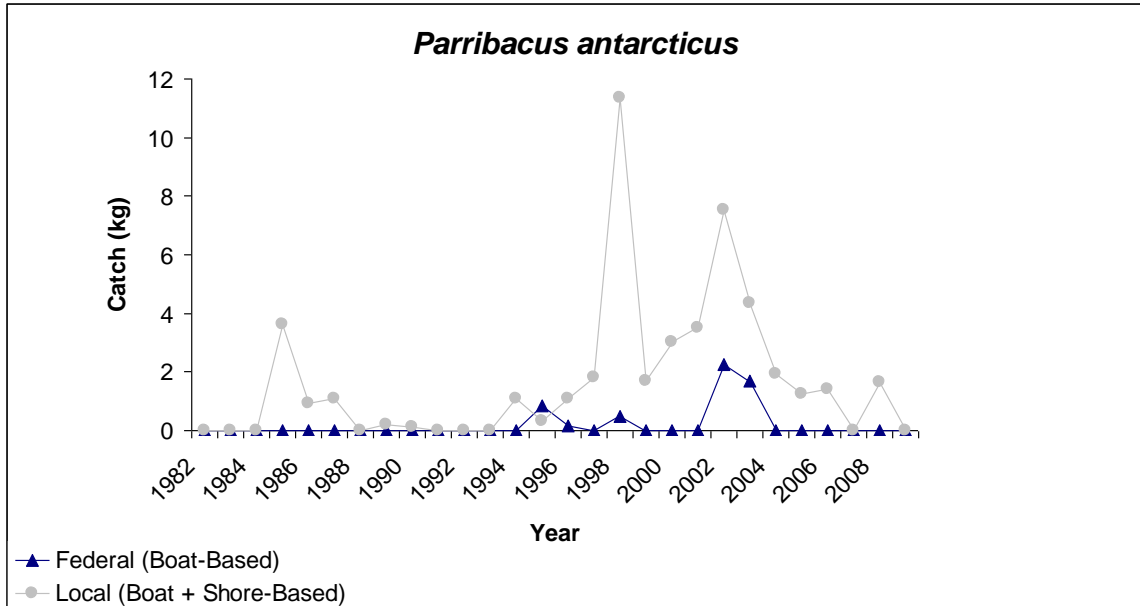
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	1.0
Standard Deviation	0.4	1.6
Confidence Value	0.1	0.6
Upper Bound CI	0.2	1.6
Lower Bound CI	0.0	0.4



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.6	2.8
Standard Deviation	5.2	6.2
Confidence Value	4.5	5.5
Upper Bound CI	7.1	8.2
Lower Bound CI	-2.0	-2.7

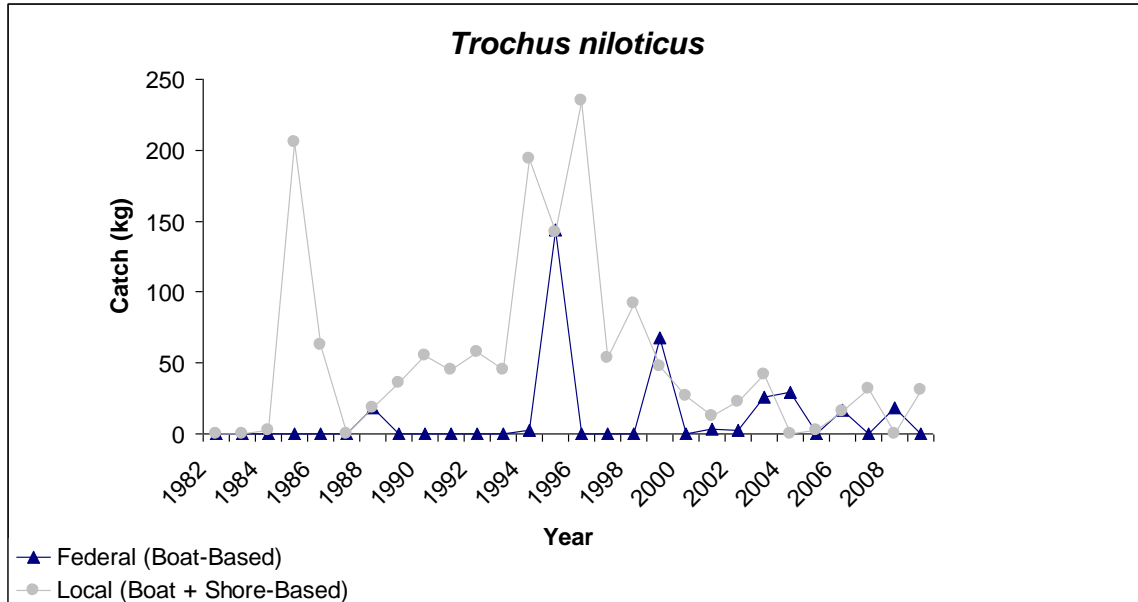
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.8	38.2
Standard Deviation	8.2	38.6
Confidence Value	3.0	14.3
Upper Bound CI	7.9	52.6
Lower Bound CI	1.8	23.9



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.9
Standard Deviation	0.0	0.8
Confidence Value	-	0.7
Upper Bound CI	-	1.5
Lower Bound CI	-	0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	1.7
Standard Deviation	0.5	2.6
Confidence Value	0.2	1.0
Upper Bound CI	0.4	2.7
Lower Bound CI	0.0	0.8



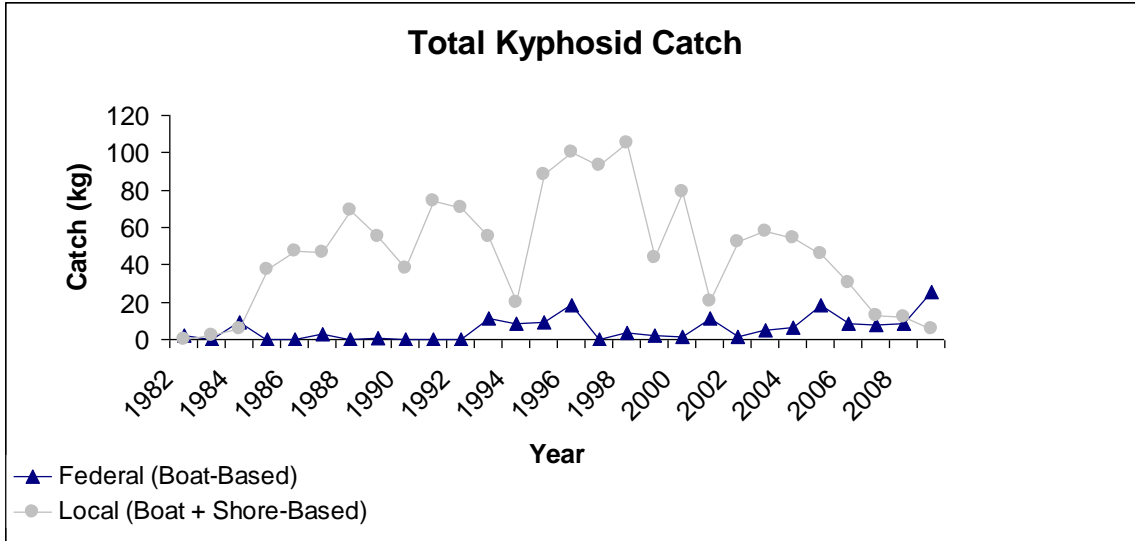


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	7.0	16.2
Standard Deviation	9.6	15.2
Confidence Value	8.5	13.3
Upper Bound CI	15.5	29.5
Lower Bound CI	-1.4	2.9

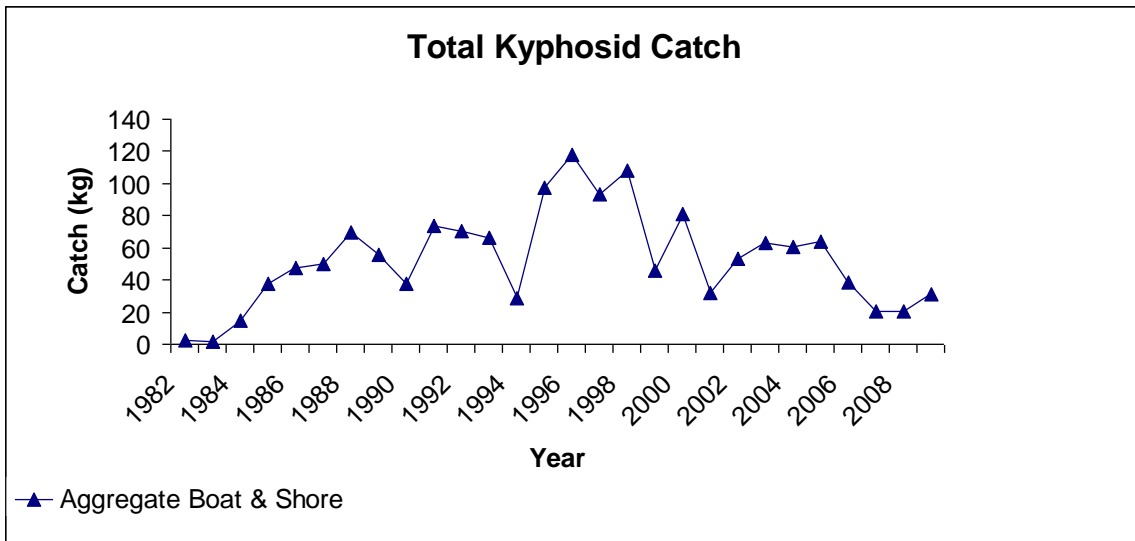
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	11.8	52.8
Standard Deviation	29.8	64.5
Confidence Value	11.1	23.9
Upper Bound CI	22.8	76.6
Lower Bound CI	0.7	28.9

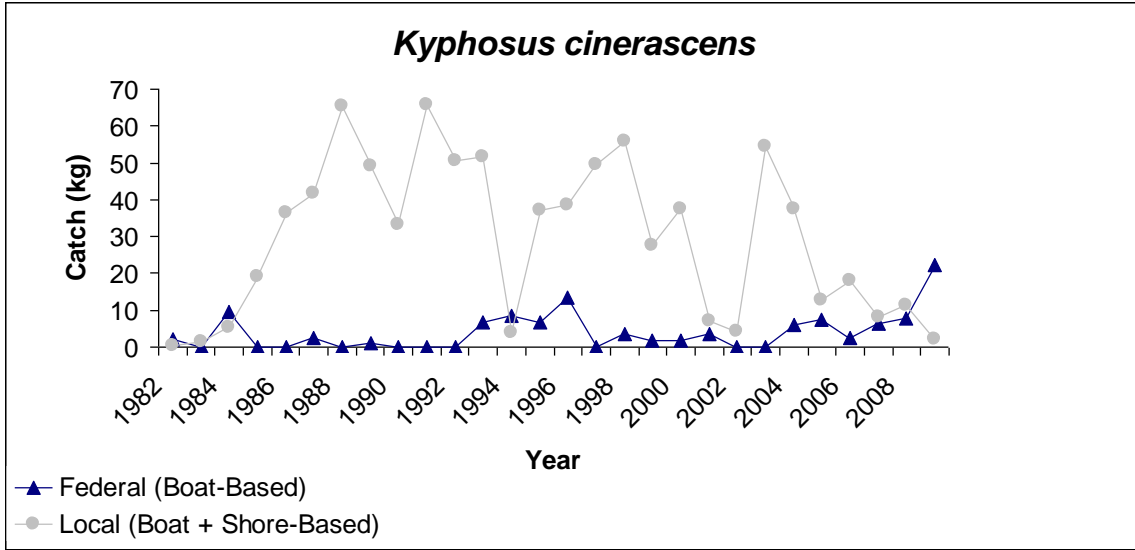
# KYPHOSIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	13.7	21.2
Standard Deviation	7.9	16.5
Confidence Value	6.9	14.4
Upper Bound CI	20.6	35.7
Lower Bound CI	6.8	6.8

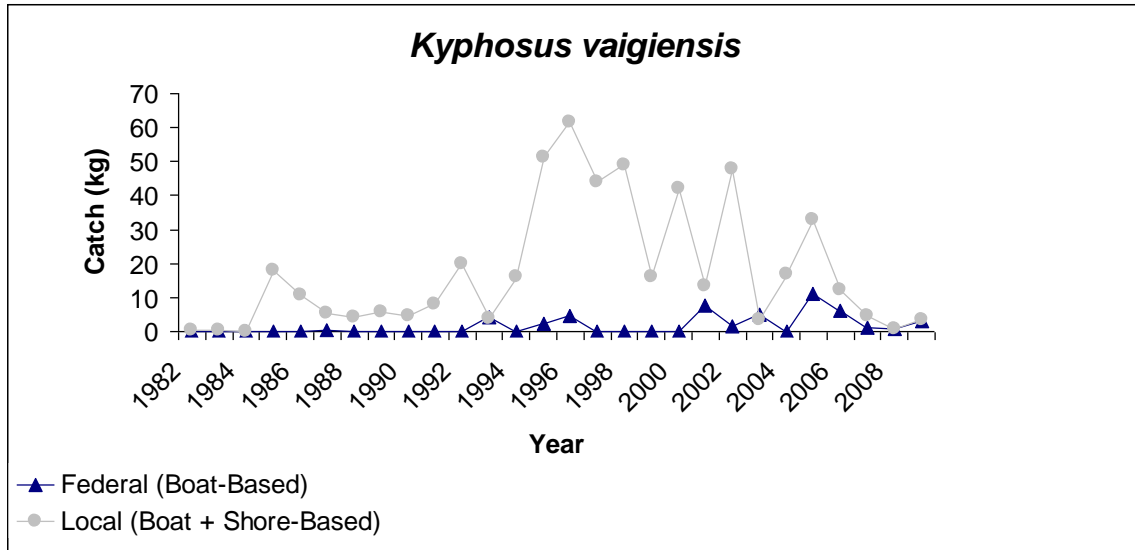
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.7	47.2
Standard Deviation	6.6	30.5
Confidence Value	2.4	11.3
Upper Bound CI	8.2	58.5
Lower Bound CI	3.3	35.9





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.2	10.4
Standard Deviation	7.6	5.9
Confidence Value	6.7	5.2
Upper Bound CI	15.9	15.6
Lower Bound CI	2.6	5.3

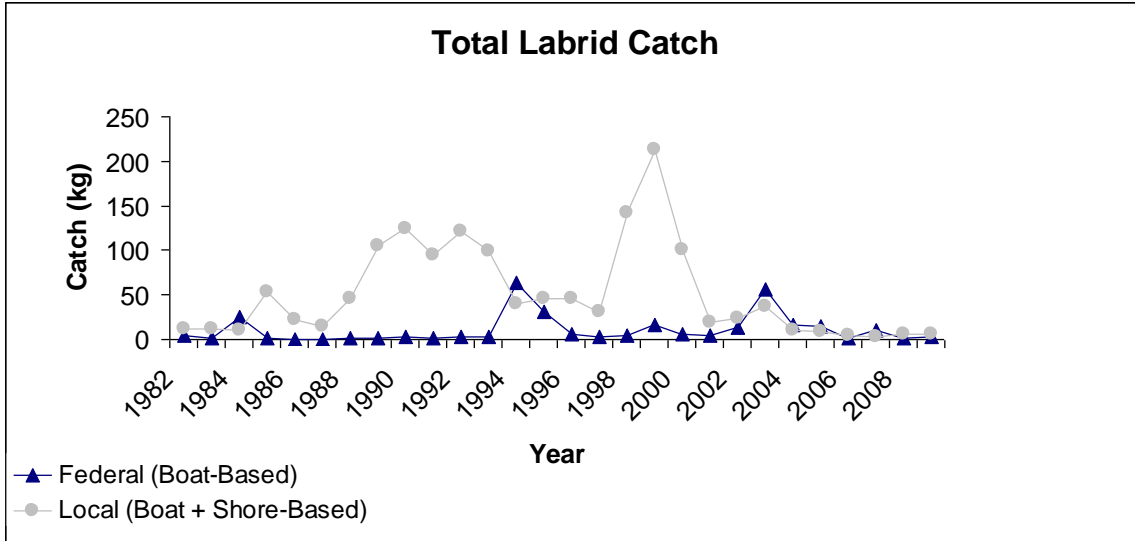
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.0	29.5
Standard Deviation	5.1	21.2
Confidence Value	1.9	7.9
Upper Bound CI	5.9	37.4
Lower Bound CI	2.1	21.6



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.4	10.8
Standard Deviation	4.3	13.1
Confidence Value	3.8	11.5
Upper Bound CI	8.2	22.2
Lower Bound CI	0.6	-0.7

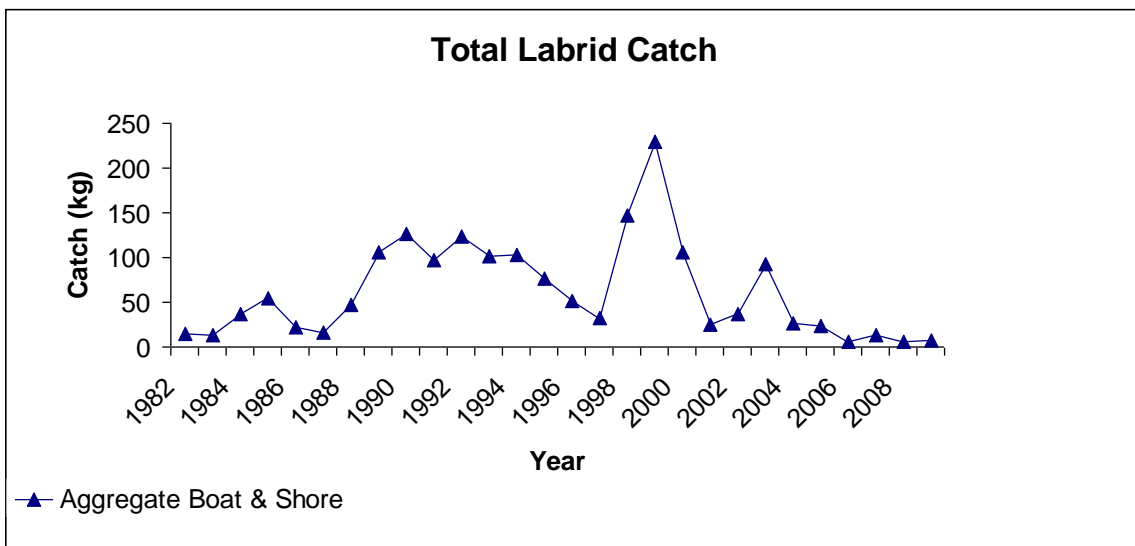
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	17.7
Standard Deviation	2.8	18.5
Confidence Value	1.1	6.9
Upper Bound CI	2.8	24.6
Lower Bound CI	0.7	10.9

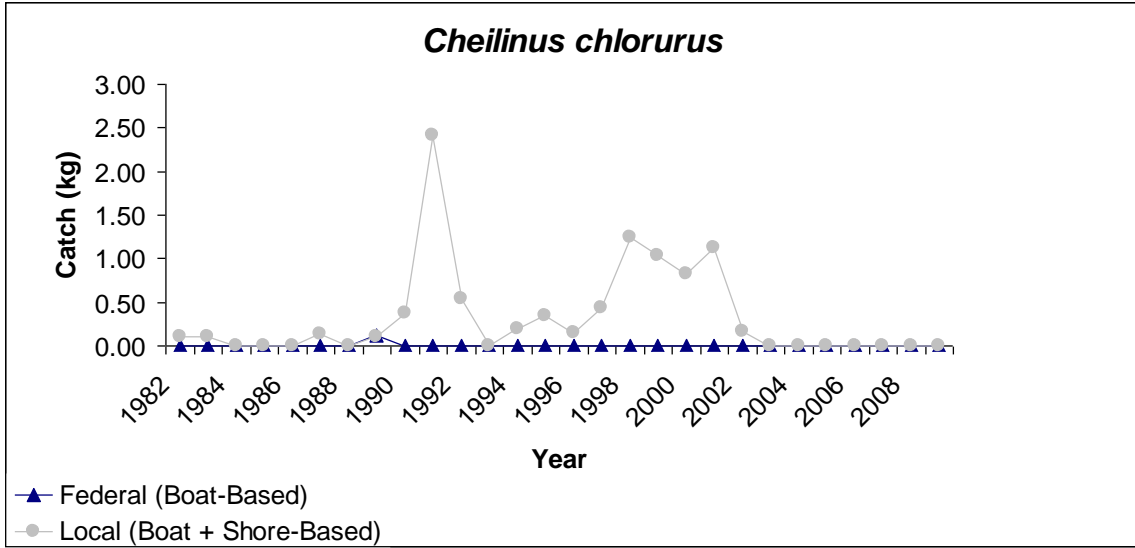
# LABRIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.9	5.4
Standard Deviation	6.1	2.2
Confidence Value	5.3	2.0
Upper Bound CI	11.2	7.4
Lower Bound CI	0.5	3.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.5	51.7
Standard Deviation	16.1	52.9
Confidence Value	6.0	19.6
Upper Bound CI	16.5	71.3
Lower Bound CI	4.6	32.1

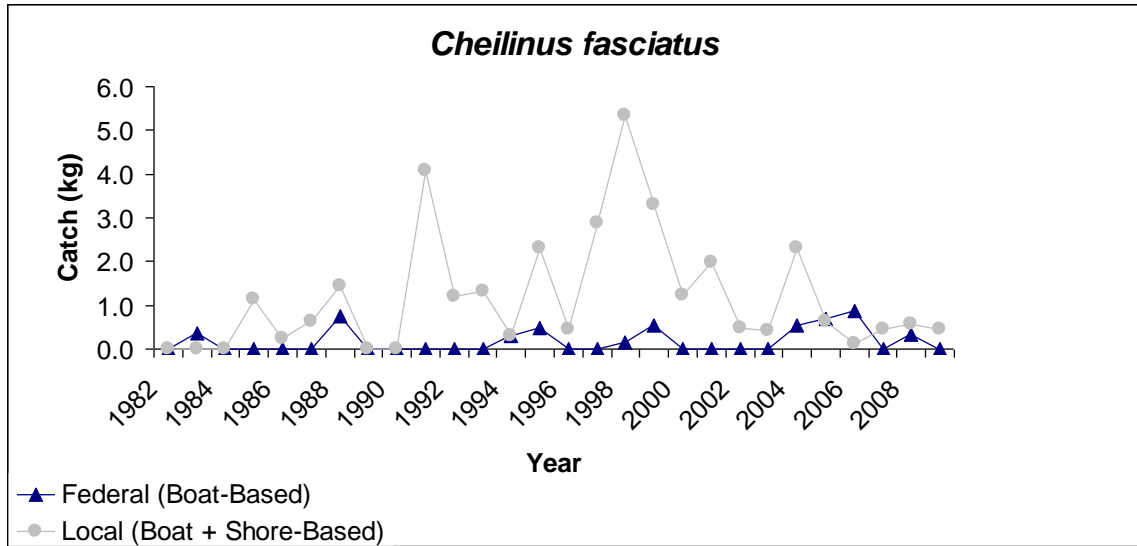




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

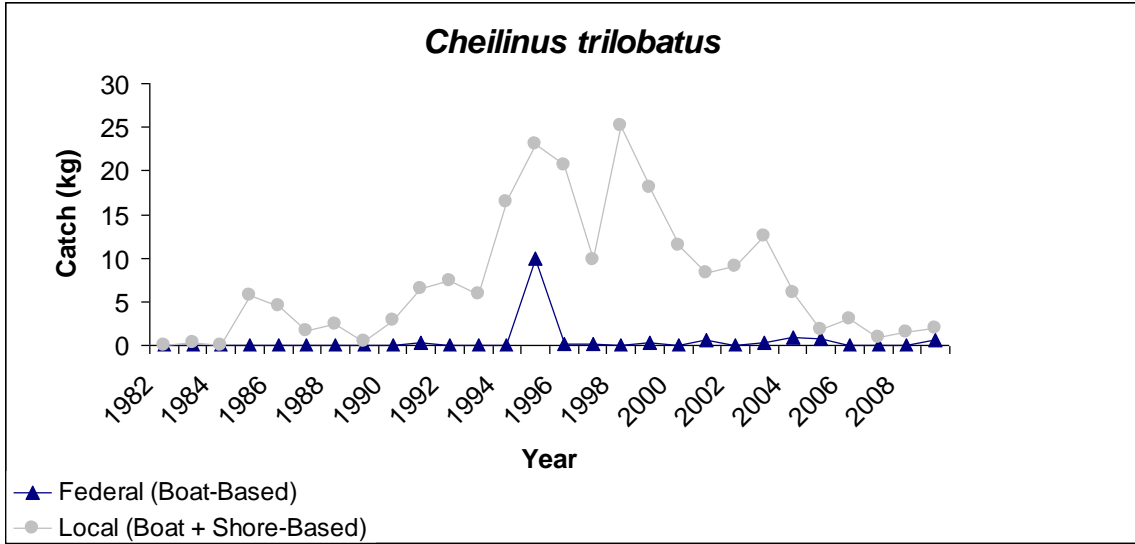
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.3
Standard Deviation	0.0	0.6
Confidence Value	0.0	0.2
Upper Bound CI	0.0	0.5
Lower Bound CI	0.0	0.1





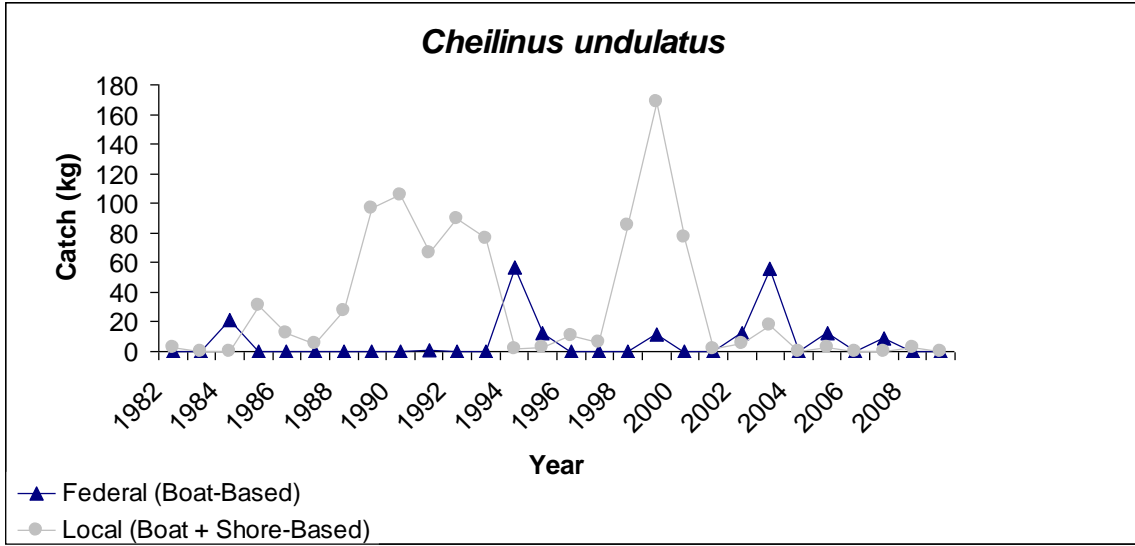
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	0.4
Standard Deviation	0.4	0.2
Confidence Value	0.4	0.2
Upper Bound CI	0.7	0.6
Lower Bound CI	0.0	0.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	1.2
Standard Deviation	0.3	1.4
Confidence Value	0.1	0.5
Upper Bound CI	0.3	1.7
Lower Bound CI	0.1	0.7



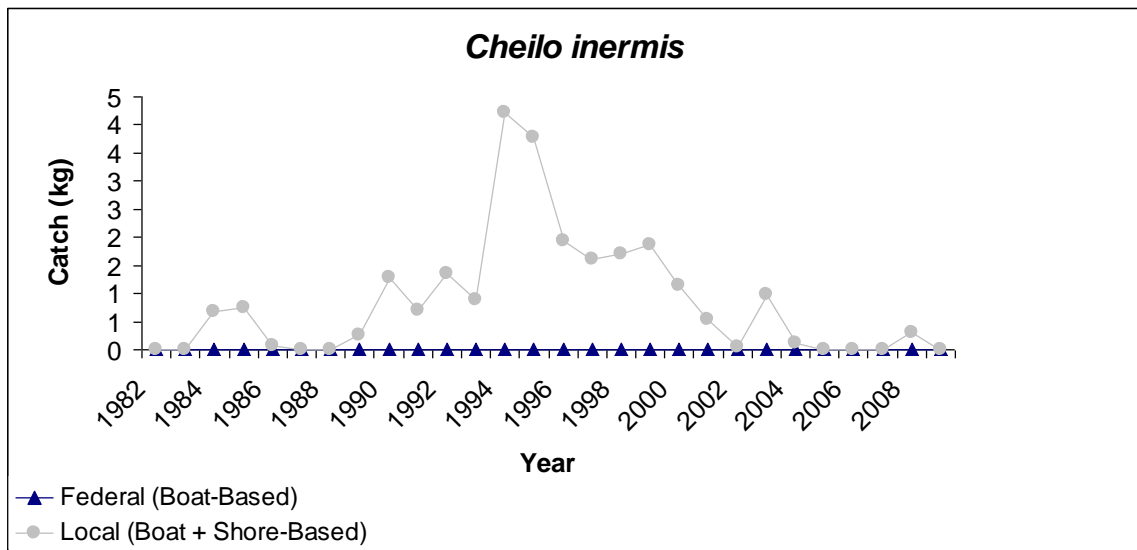
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.8
Standard Deviation	0.4	0.8
Confidence Value	0.3	0.7
Upper Bound CI	0.6	2.5
Lower Bound CI	-0.1	1.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	7.4
Standard Deviation	1.9	7.3
Confidence Value	0.7	2.7
Upper Bound CI	1.2	10.1
Lower Bound CI	-0.2	4.7



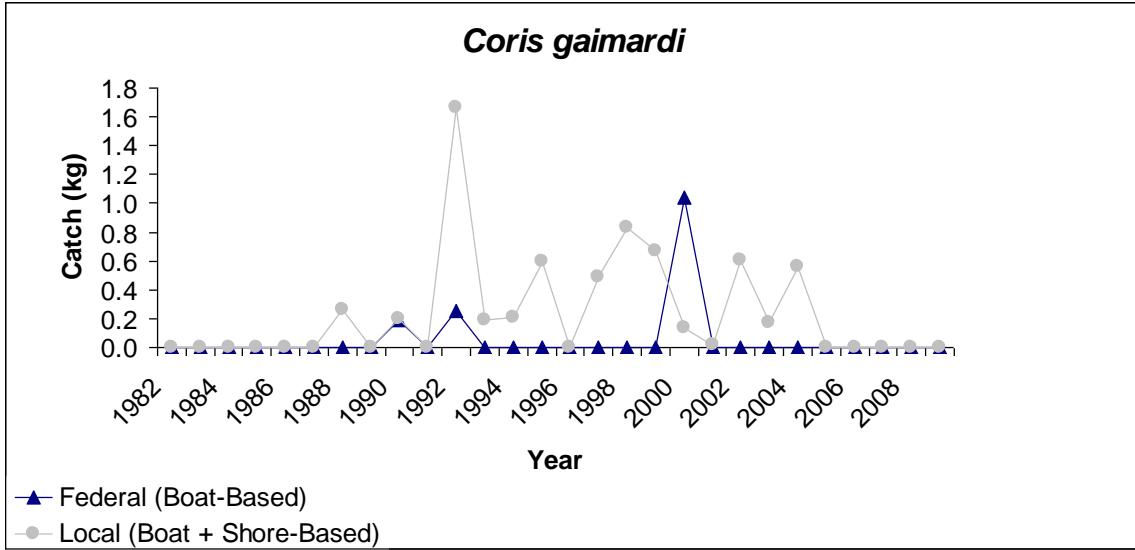
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.4	1.2
Standard Deviation	6.0	1.4
Confidence Value	5.2	1.2
Upper Bound CI	9.6	2.4
Lower Bound CI	-0.8	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	6.9	32.0
Standard Deviation	15.0	44.7
Confidence Value	5.6	16.6
Upper Bound CI	12.5	48.5
Lower Bound CI	1.3	15.4



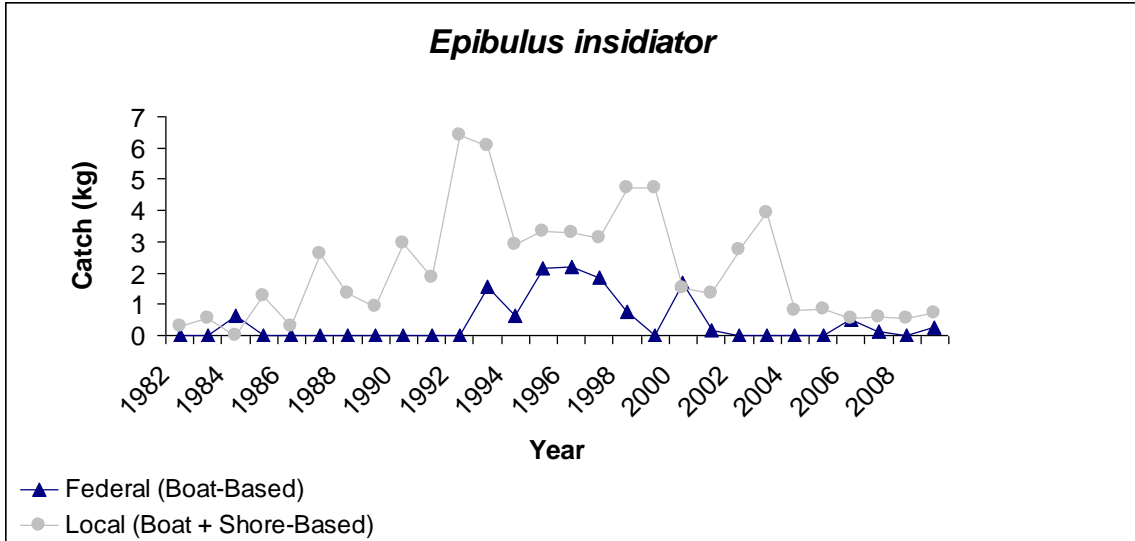
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.2
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.9
Standard Deviation	0.0	1.1
Confidence Value	-	0.4
Upper Bound CI	-	1.3
Lower Bound CI	-	0.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

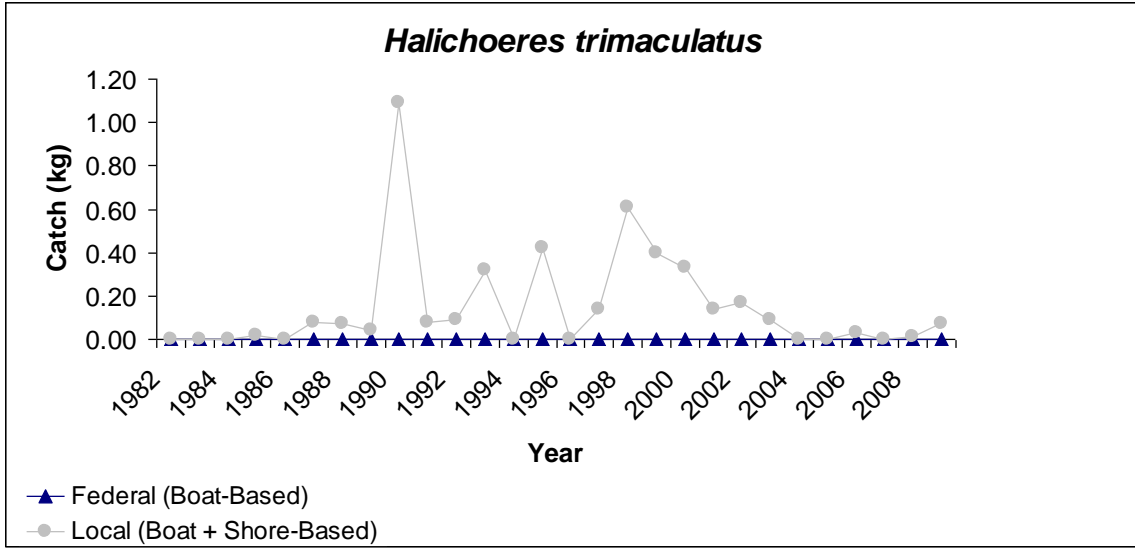
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.2
Standard Deviation	0.2	0.4
Confidence Value	0.1	0.1
Upper Bound CI	0.1	0.4
Lower Bound CI	0.0	0.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.6
Standard Deviation	0.2	0.1
Confidence Value	0.2	0.1
Upper Bound CI	0.4	0.8
Lower Bound CI	0.0	0.5

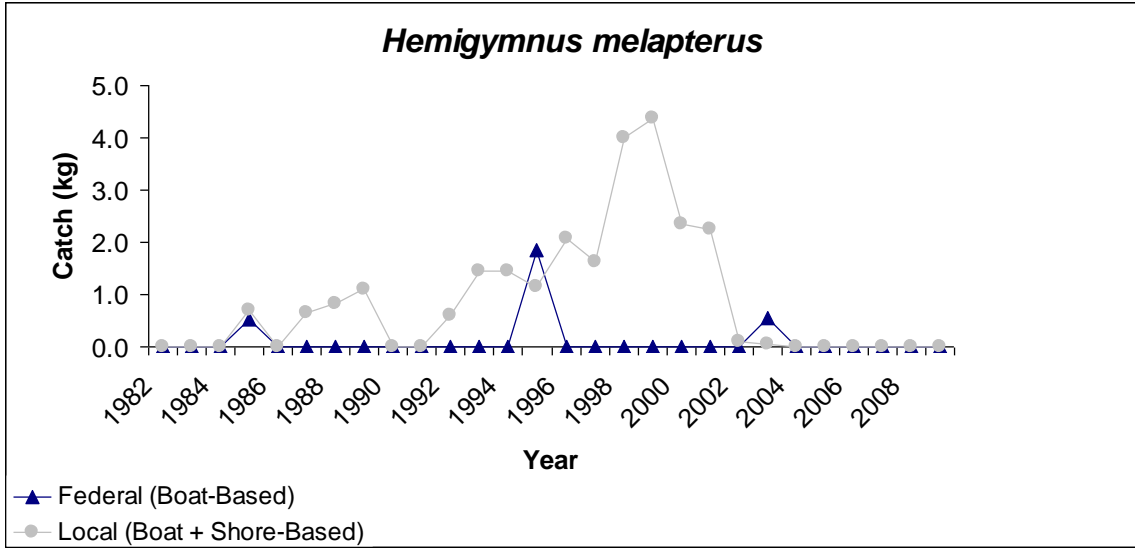
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	2.2
Standard Deviation	0.7	1.8
Confidence Value	0.3	0.7
Upper Bound CI	0.7	2.8
Lower Bound CI	0.2	1.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	0.0
Upper Bound CI	-	0.0
Lower Bound CI	-	0.0

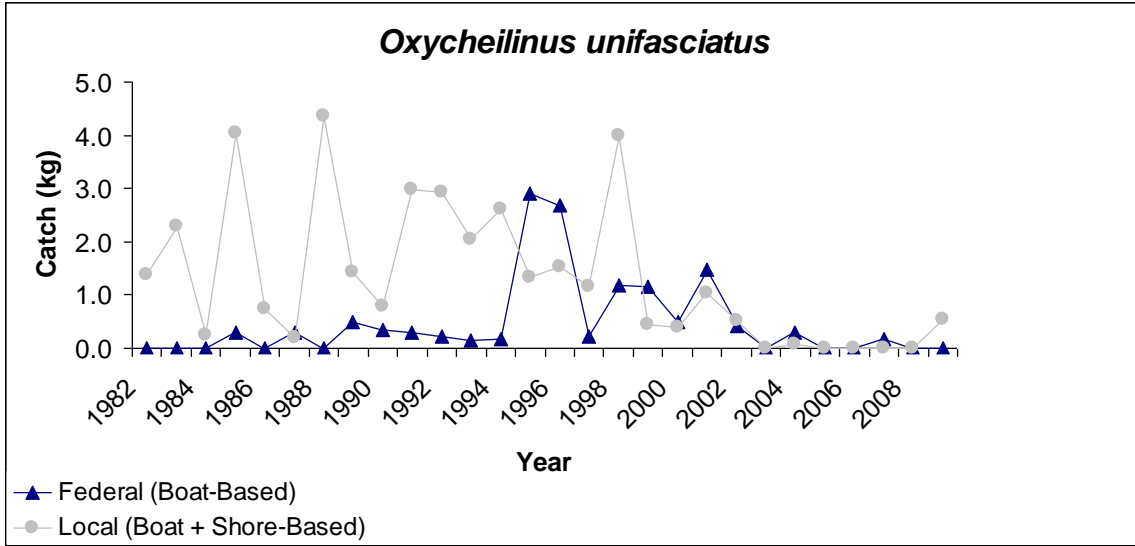
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.0	0.2
Confidence Value	-	0.1
Upper Bound CI	-	0.2
Lower Bound CI	-	0.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

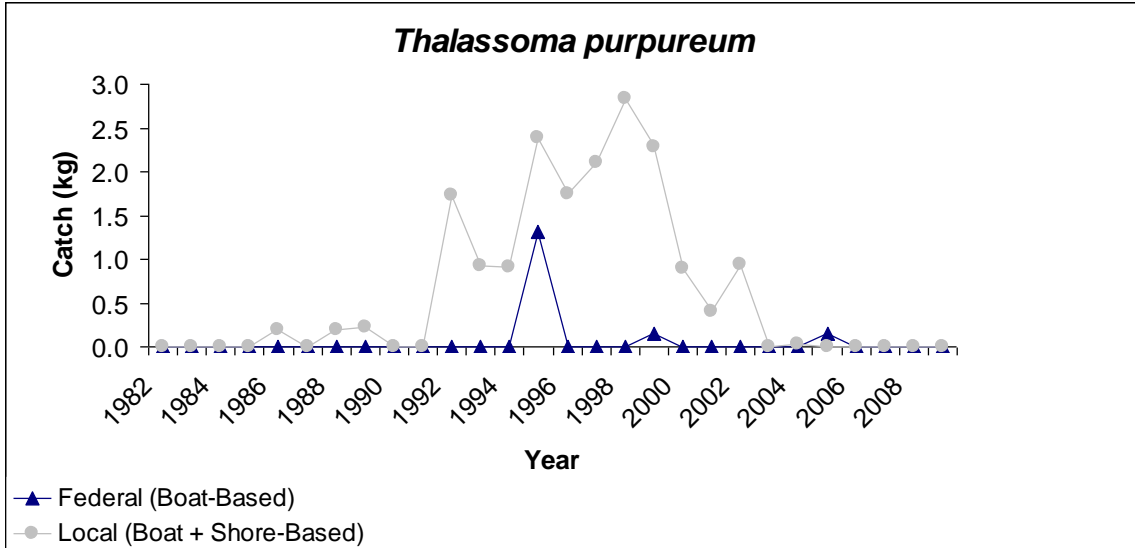
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.9
Standard Deviation	0.4	1.2
Confidence Value	0.1	0.4
Upper Bound CI	0.2	1.3
Lower Bound CI	0.0	0.4





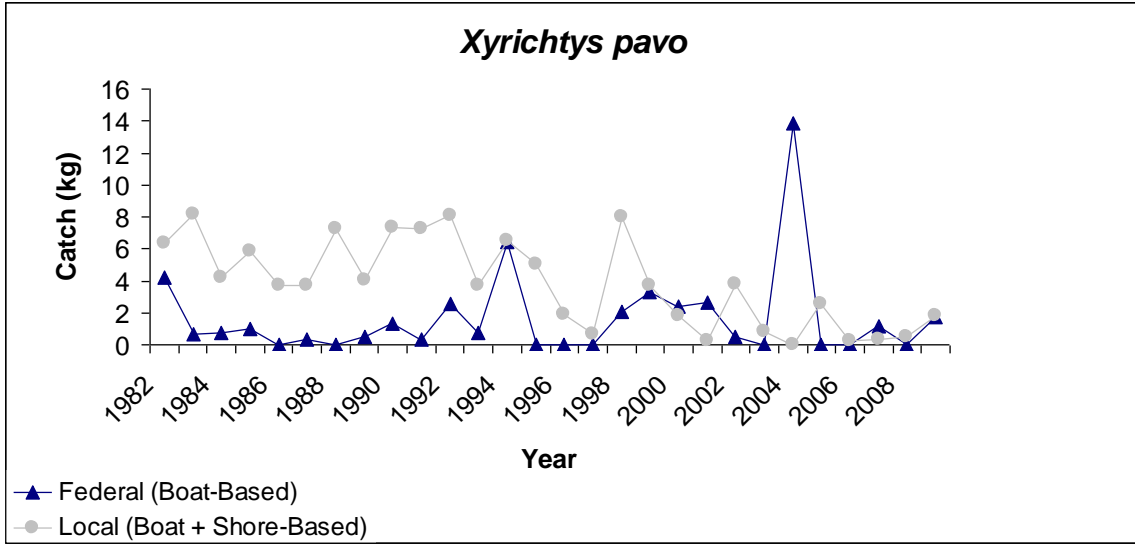
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.1	0.2
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.3
Lower Bound CI	0.0	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	1.3
Standard Deviation	0.8	1.3
Confidence Value	0.3	0.5
Upper Bound CI	0.8	1.8
Lower Bound CI	0.2	0.8



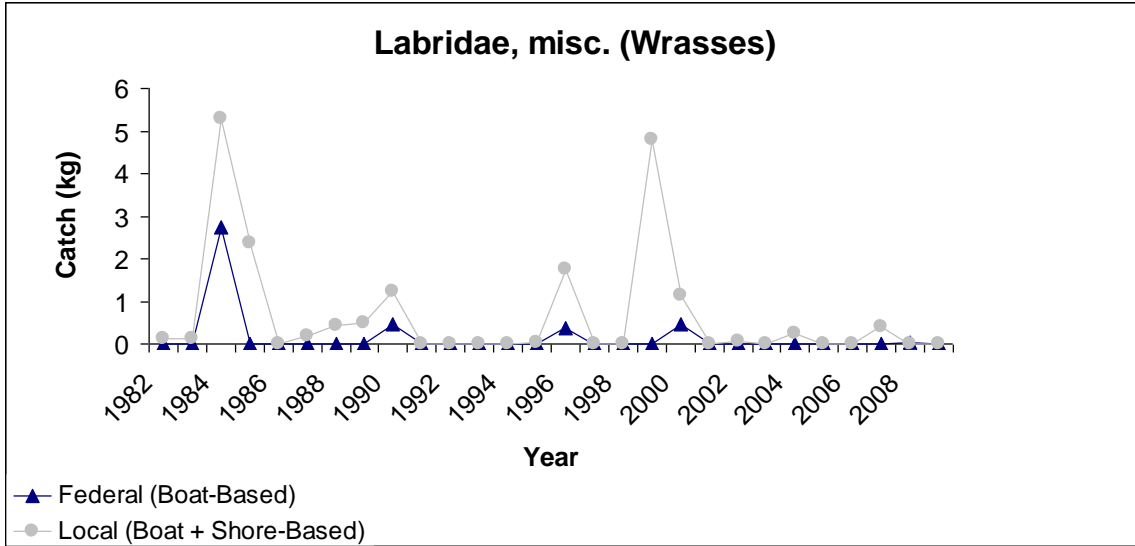
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.1	0.0
Confidence Value	0.1	-
Upper Bound CI	0.1	-
Lower Bound CI	0.0	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.6
Standard Deviation	0.3	0.9
Confidence Value	0.1	0.3
Upper Bound CI	0.2	1.0
Lower Bound CI	0.0	0.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	1.1
Standard Deviation	0.8	1.0
Confidence Value	0.7	0.9
Upper Bound CI	1.3	2.0
Lower Bound CI	-0.1	0.1

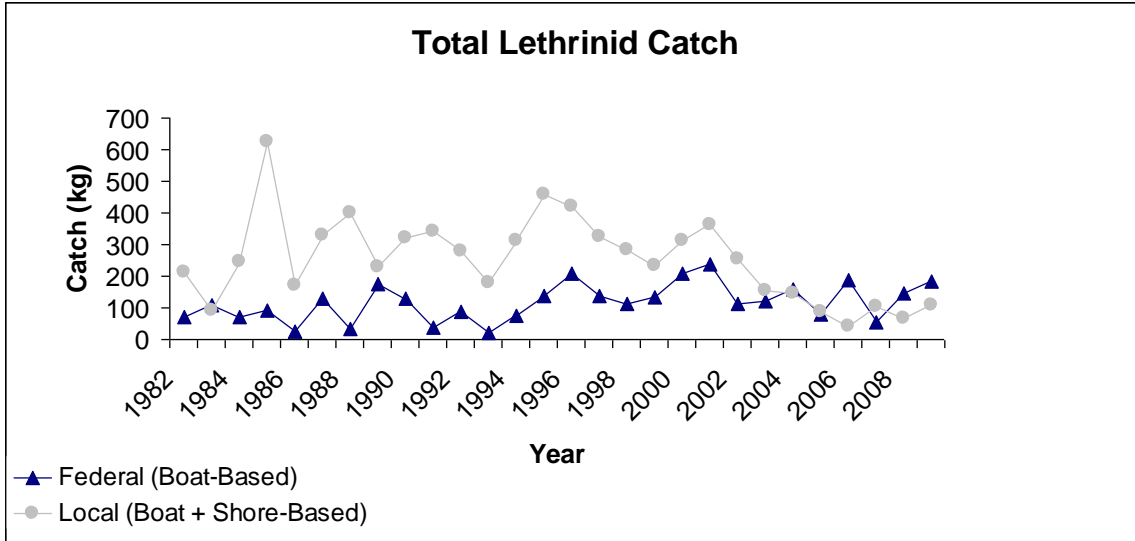
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	3.8
Standard Deviation	2.8	2.8
Confidence Value	1.1	1.0
Upper Bound CI	2.7	4.9
Lower Bound CI	0.6	2.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.2
Confidence Value	0.0	0.2
Upper Bound CI	0.0	0.2
Lower Bound CI	0.0	-0.1

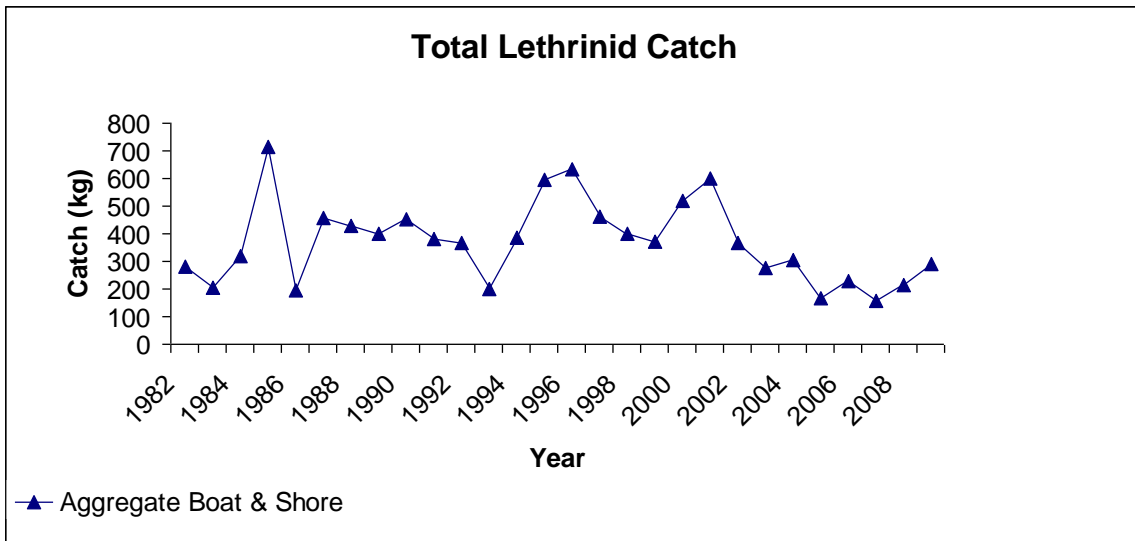
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.7
Standard Deviation	0.5	1.4
Confidence Value	0.2	0.5
Upper Bound CI	0.3	1.2
Lower Bound CI	-0.1	0.2

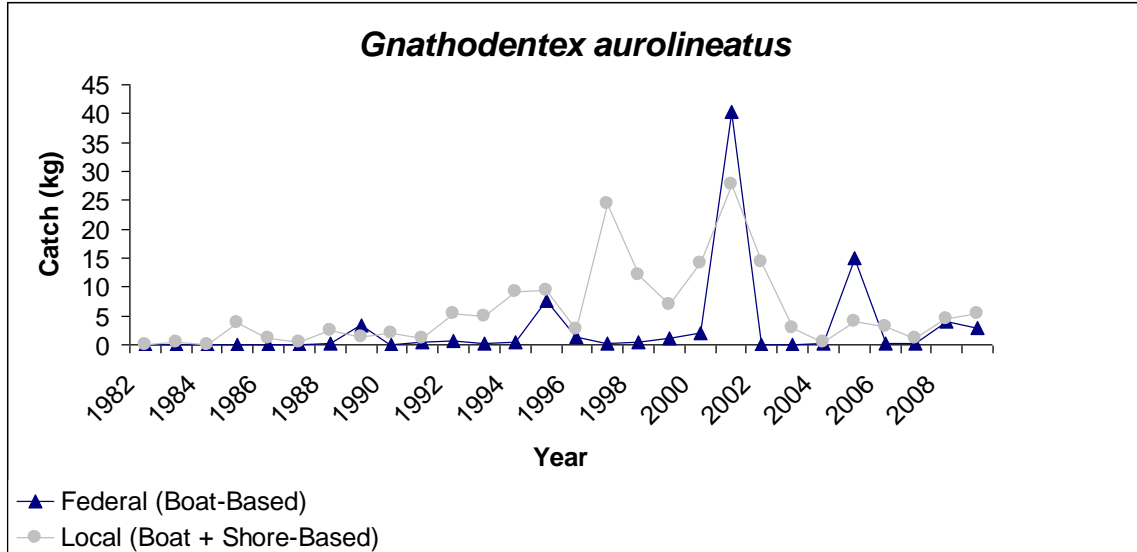
# LETHRINIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	130.4	81.3
Standard Deviation	60.7	27.4
Confidence Value	53.2	24.0
Upper Bound CI	183.6	105.2
Lower Bound CI	77.2	57.3

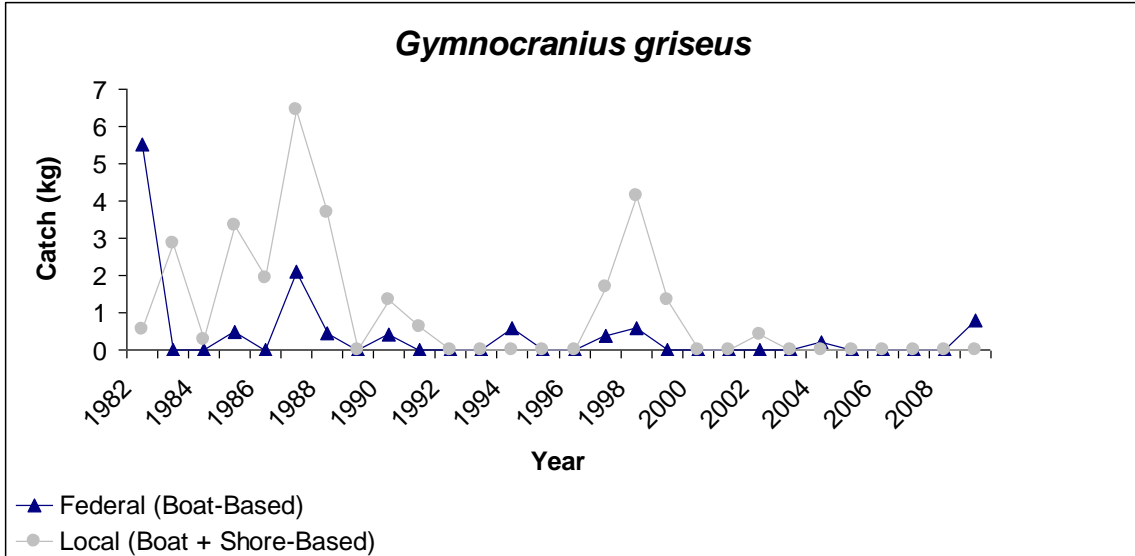
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	116.9	253.3
Standard Deviation	58.4	134.1
Confidence Value	21.6	49.7
Upper Bound CI	138.6	303.0
Lower Bound CI	95.3	203.6





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.4	3.6
Standard Deviation	6.1	1.7
Confidence Value	5.3	1.5
Upper Bound CI	9.7	5.1
Lower Bound CI	-0.9	2.2

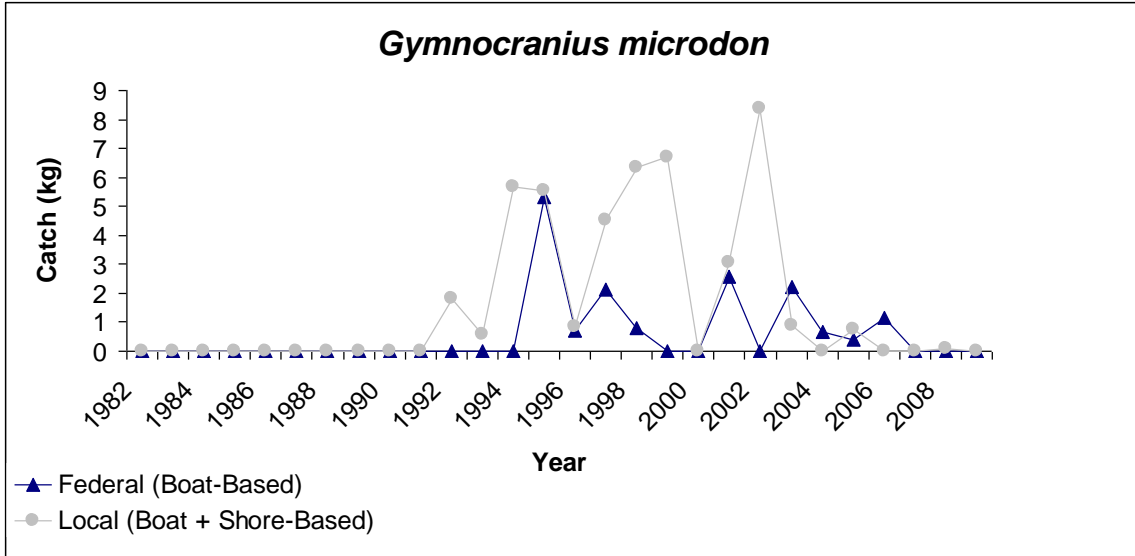
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.9	5.9
Standard Deviation	8.0	7.0
Confidence Value	2.9	2.6
Upper Bound CI	5.8	8.5
Lower Bound CI	-0.1	3.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.0
Standard Deviation	0.3	0.0
Confidence Value	0.3	-
Upper Bound CI	0.5	-
Lower Bound CI	-0.1	-

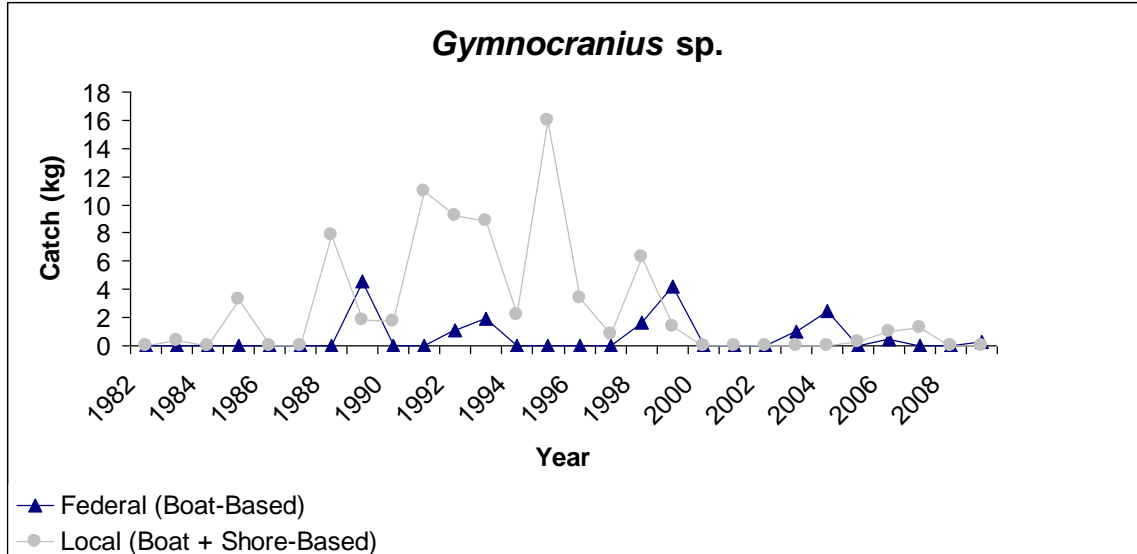
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	1.0
Standard Deviation	1.1	1.7
Confidence Value	0.4	0.6
Upper Bound CI	0.8	1.6
Lower Bound CI	0.0	0.4





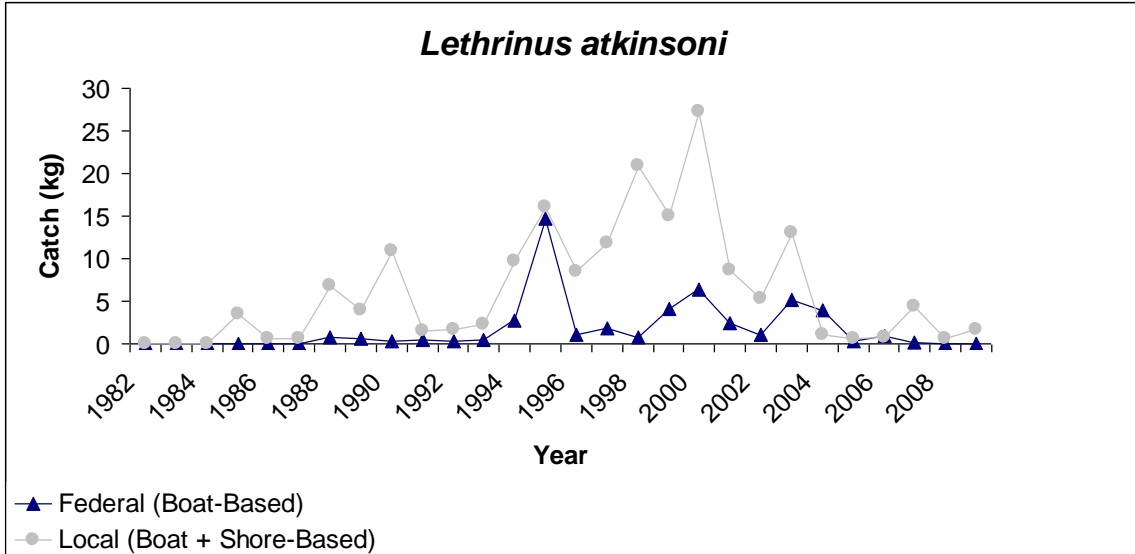
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	0.2
Standard Deviation	0.5	0.3
Confidence Value	0.4	0.3
Upper Bound CI	0.7	0.5
Lower Bound CI	-0.1	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	1.6
Standard Deviation	1.2	2.6
Confidence Value	0.4	1.0
Upper Bound CI	1.0	2.6
Lower Bound CI	0.1	0.7



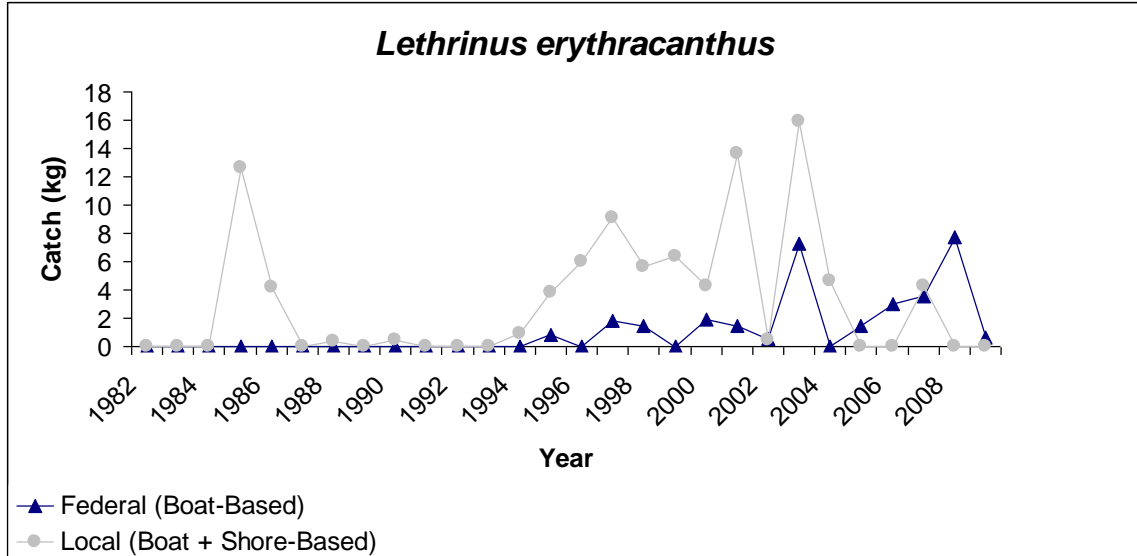
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.5
Standard Deviation	0.2	0.6
Confidence Value	0.2	0.5
Upper Bound CI	0.3	1.0
Lower Bound CI	0.0	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	2.7
Standard Deviation	1.3	4.2
Confidence Value	0.5	1.5
Upper Bound CI	1.1	4.3
Lower Bound CI	0.2	1.2



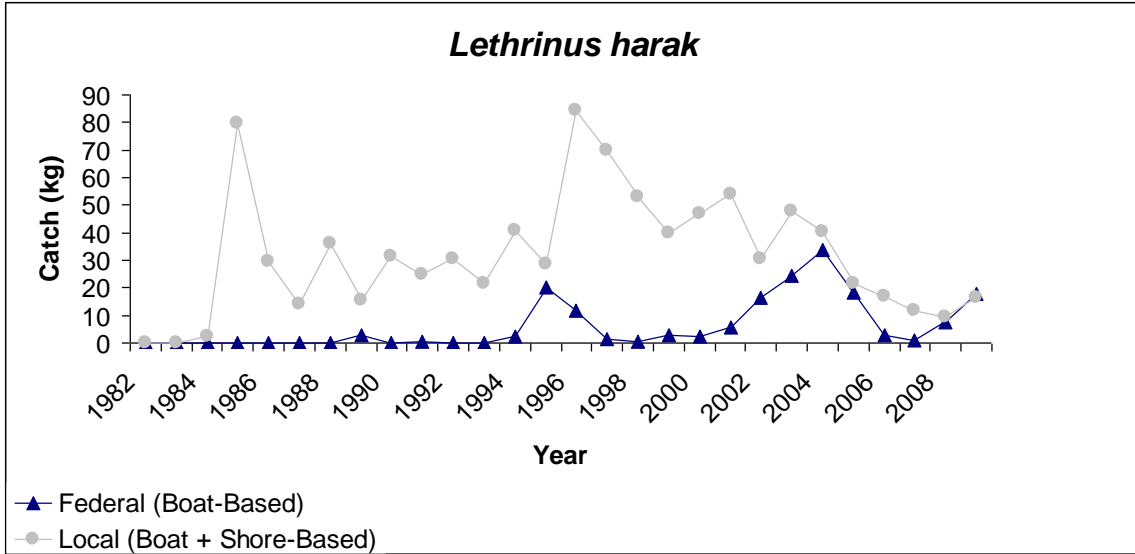
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.6
Standard Deviation	0.4	1.6
Confidence Value	0.3	1.4
Upper Bound CI	0.6	3.0
Lower Bound CI	-0.1	0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	6.3
Standard Deviation	3.1	7.1
Confidence Value	1.1	2.6
Upper Bound CI	2.9	8.9
Lower Bound CI	0.6	3.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.3	0.8
Standard Deviation	2.7	1.9
Confidence Value	2.4	1.7
Upper Bound CI	5.7	2.5
Lower Bound CI	0.9	-0.8

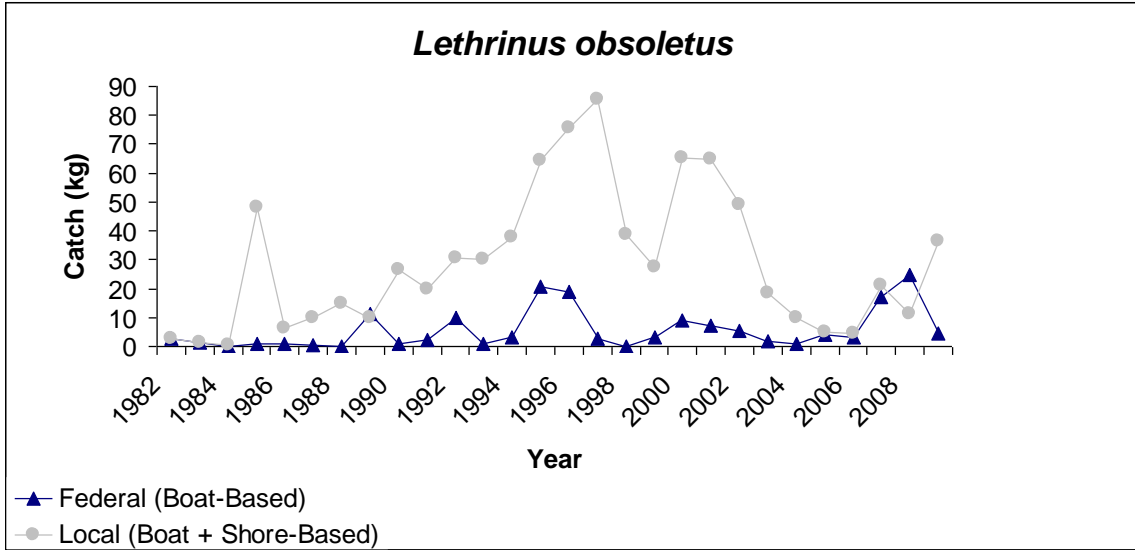
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.1	3.3
Standard Deviation	2.0	4.6
Confidence Value	0.8	1.7
Upper Bound CI	1.9	5.0
Lower Bound CI	0.4	1.6



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.6	15.2
Standard Deviation	8.3	4.7
Confidence Value	7.2	4.1
Upper Bound CI	16.8	19.3
Lower Bound CI	2.3	11.1

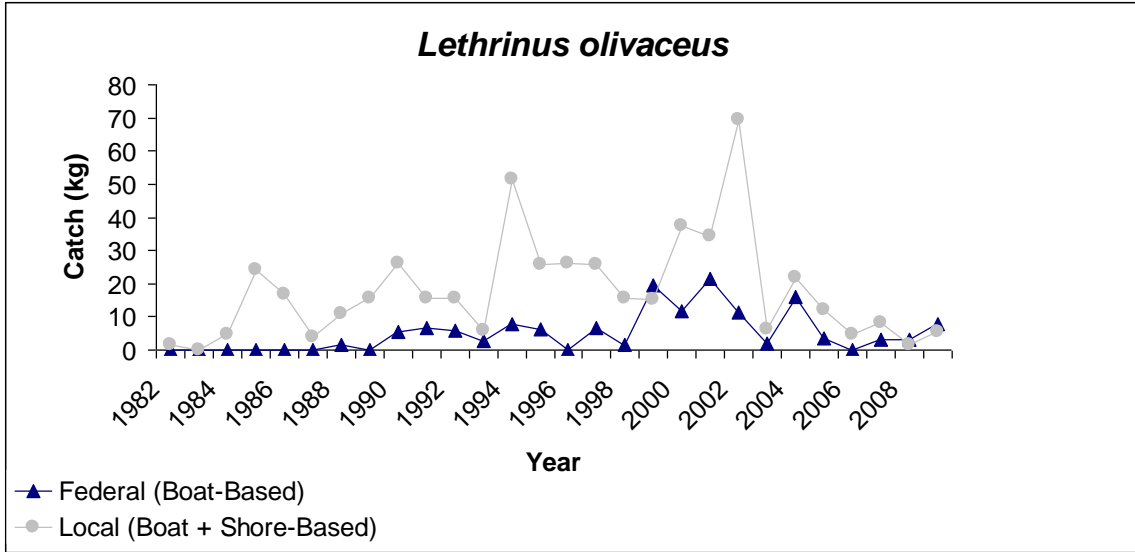
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	6.1	32.1
Standard Deviation	9.2	22.1
Confidence Value	3.4	8.2
Upper Bound CI	9.5	40.3
Lower Bound CI	2.7	23.9



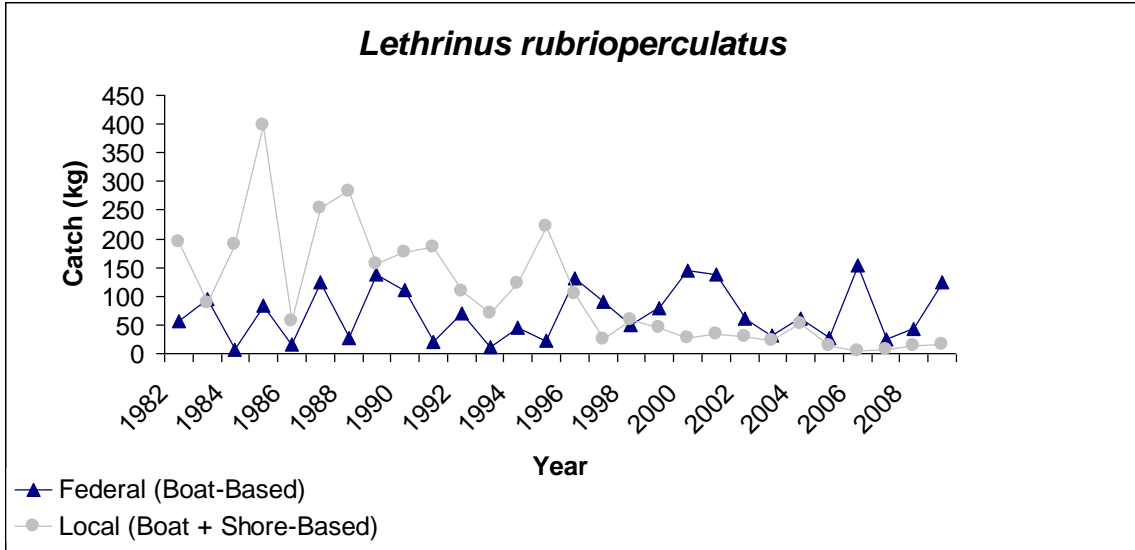
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.7	15.7
Standard Deviation	9.7	13.5
Confidence Value	8.5	11.9
Upper Bound CI	19.1	27.5
Lower Bound CI	2.2	3.8

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.6	29.1
Standard Deviation	6.9	24.4
Confidence Value	2.5	9.0
Upper Bound CI	8.1	38.2
Lower Bound CI	3.0	20.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.4	6.4
Standard Deviation	2.8	4.0
Confidence Value	2.4	3.5
Upper Bound CI	5.9	9.9
Lower Bound CI	1.0	2.8

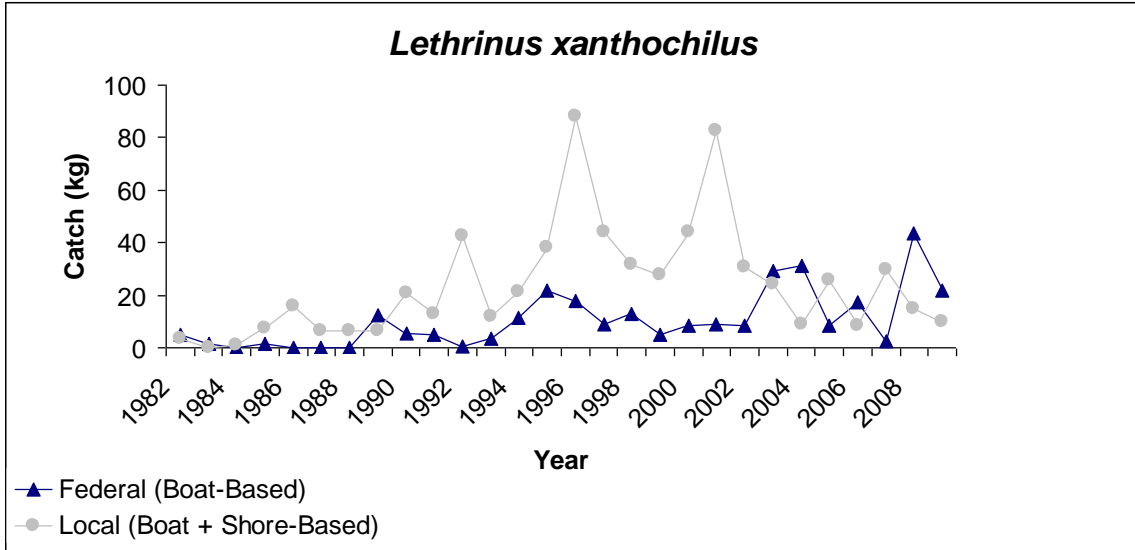
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.1	17.9
Standard Deviation	6.0	15.9
Confidence Value	2.2	5.9
Upper Bound CI	7.4	23.8
Lower Bound CI	2.9	12.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	74.7	11.2
Standard Deviation	59.6	5.6
Confidence Value	52.3	4.9
Upper Bound CI	127.0	16.1
Lower Bound CI	22.4	6.3

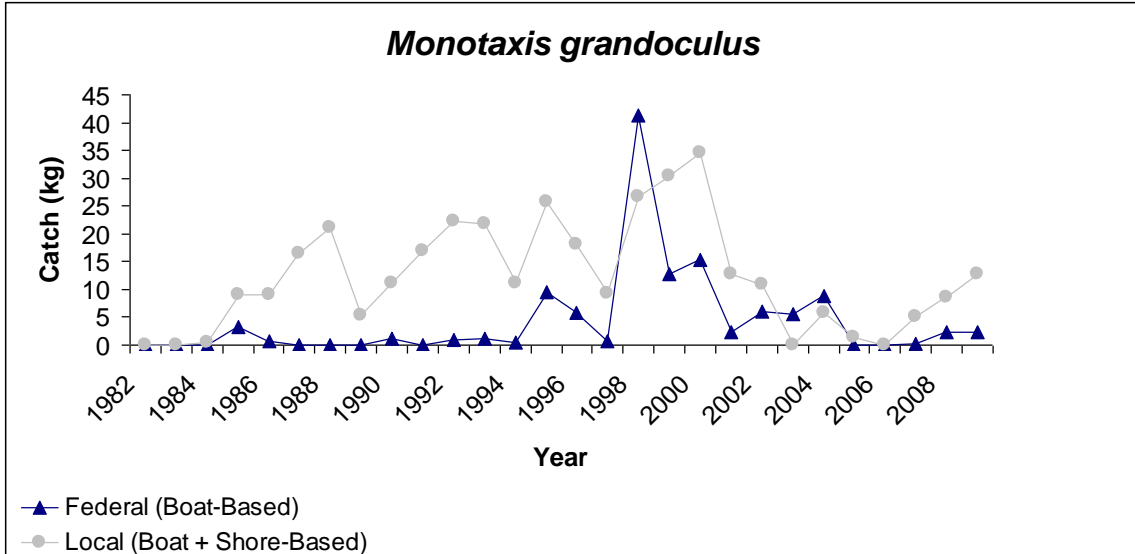
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	71.1	105.6
Standard Deviation	46.5	100.1
Confidence Value	17.2	37.1
Upper Bound CI	88.3	142.6
Lower Bound CI	53.8	68.5





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	18.7	17.8
Standard Deviation	15.8	9.6
Confidence Value	13.9	8.4
Upper Bound CI	32.6	26.2
Lower Bound CI	4.8	9.4

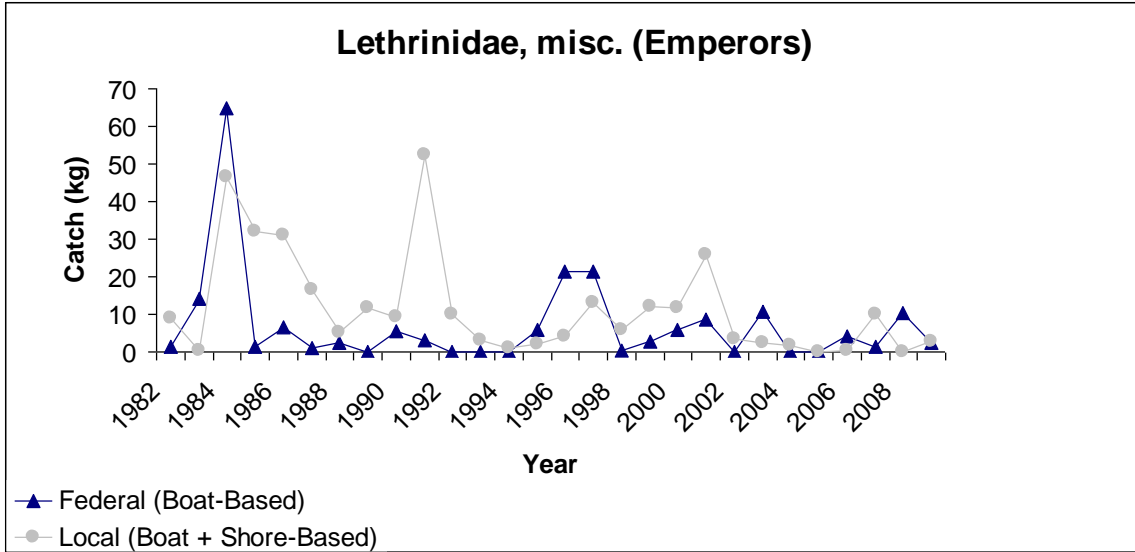
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.4	23.7
Standard Deviation	10.9	21.9
Confidence Value	4.0	8.1
Upper Bound CI	14.4	31.8
Lower Bound CI	6.3	15.6



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	5.6
Standard Deviation	1.3	5.3
Confidence Value	1.1	4.6
Upper Bound CI	2.1	10.2
Lower Bound CI	-0.1	1.0

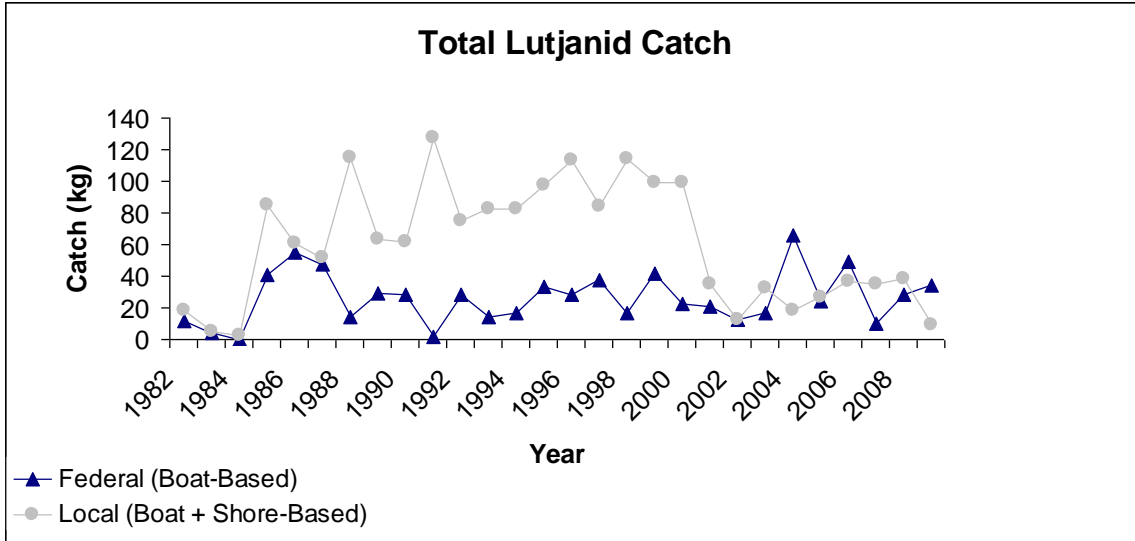
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.3	12.4
Standard Deviation	8.4	9.8
Confidence Value	3.1	3.6
Upper Bound CI	7.4	16.0
Lower Bound CI	1.2	8.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.7	2.6
Standard Deviation	4.1	4.3
Confidence Value	3.6	3.8
Upper Bound CI	7.3	6.4
Lower Bound CI	0.1	-1.1

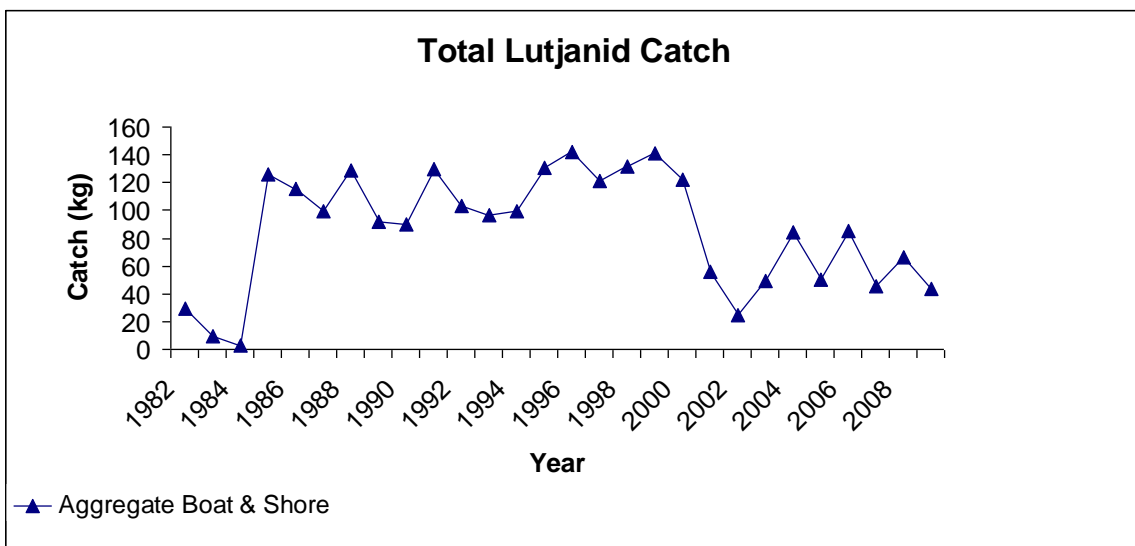
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	7.0	11.6
Standard Deviation	12.9	13.9
Confidence Value	4.8	5.1
Upper Bound CI	11.8	16.7
Lower Bound CI	2.2	6.4

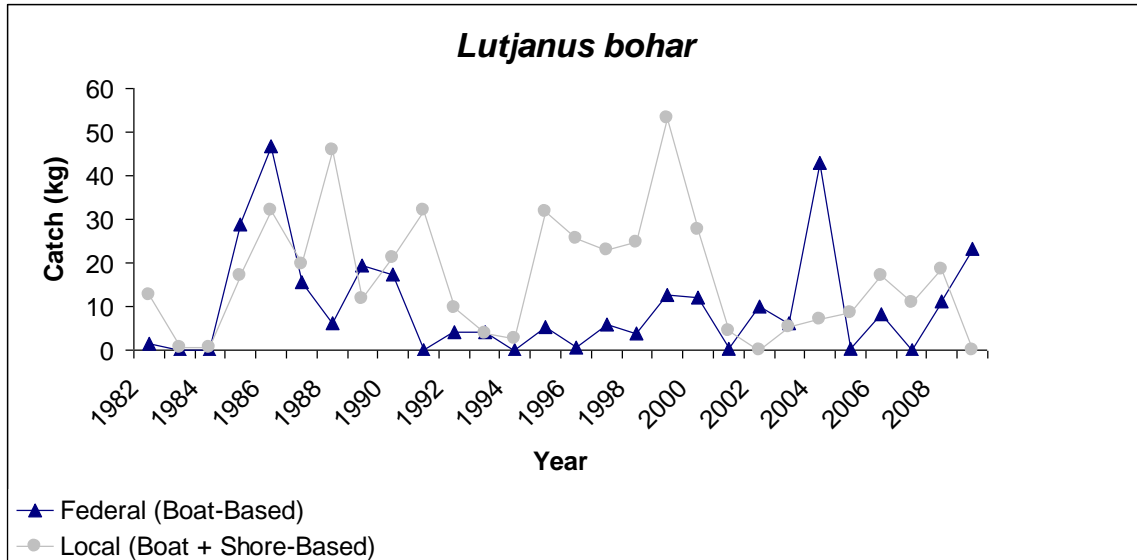
# LUTJANIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	29.1	29.1
Standard Deviation	14.2	11.9
Confidence Value	12.5	10.5
Upper Bound CI	41.6	39.5
Lower Bound CI	16.6	18.6

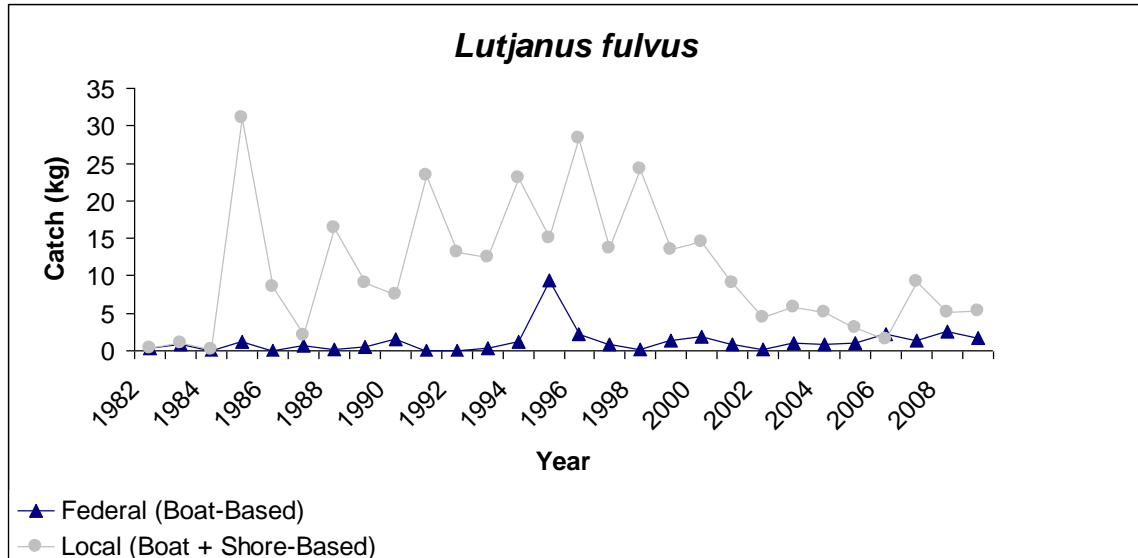
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	26.1	60.1
Standard Deviation	16.2	38.1
Confidence Value	6.0	14.1
Upper Bound CI	32.1	74.2
Lower Bound CI	20.1	46.0





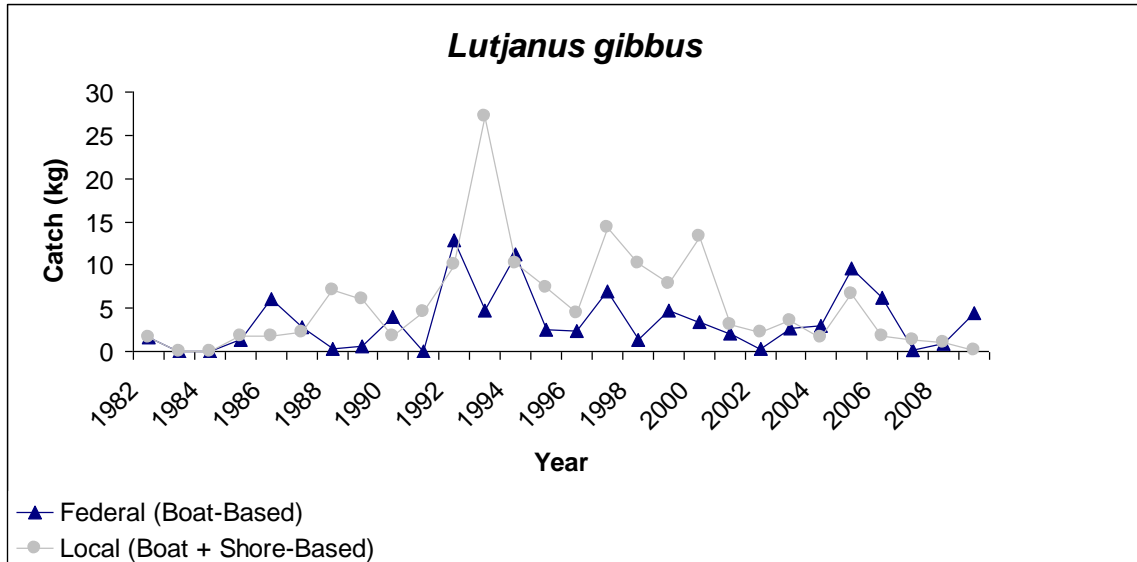
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	8.6	10.9
Standard Deviation	9.6	7.4
Confidence Value	8.4	6.5
Upper Bound CI	17.0	17.5
Lower Bound CI	0.2	4.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.2	16.7
Standard Deviation	12.5	13.9
Confidence Value	4.6	5.2
Upper Bound CI	14.8	21.8
Lower Bound CI	5.6	11.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.8	4.9
Standard Deviation	0.6	2.9
Confidence Value	0.5	2.5
Upper Bound CI	2.3	7.4
Lower Bound CI	1.2	2.4

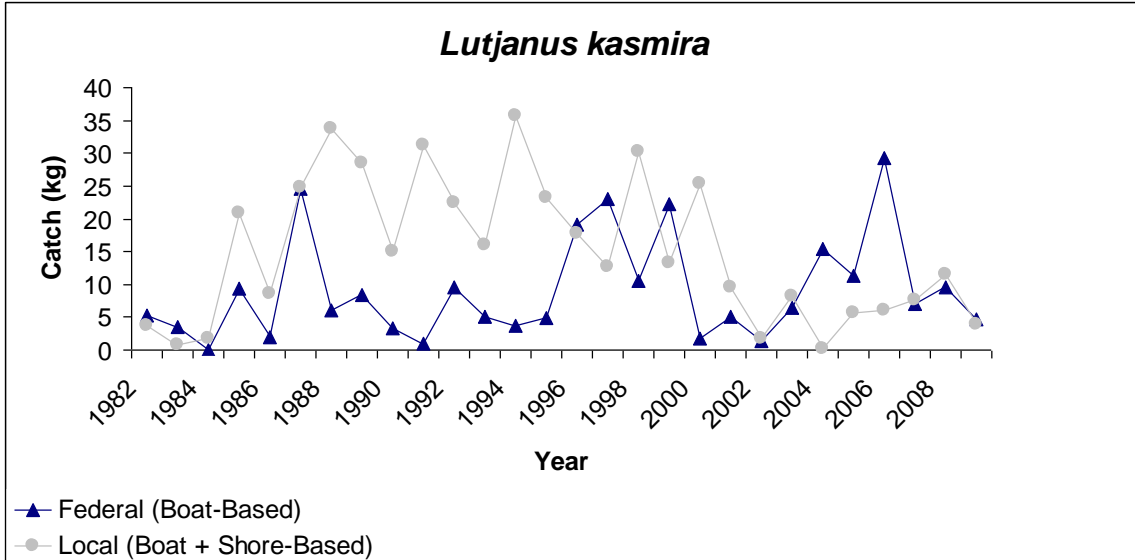
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.2	10.9
Standard Deviation	1.8	8.7
Confidence Value	0.6	3.2
Upper Bound CI	1.9	14.1
Lower Bound CI	0.6	7.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.3	2.2
Standard Deviation	3.9	2.5
Confidence Value	3.4	2.2
Upper Bound CI	7.7	4.4
Lower Bound CI	0.8	0.0

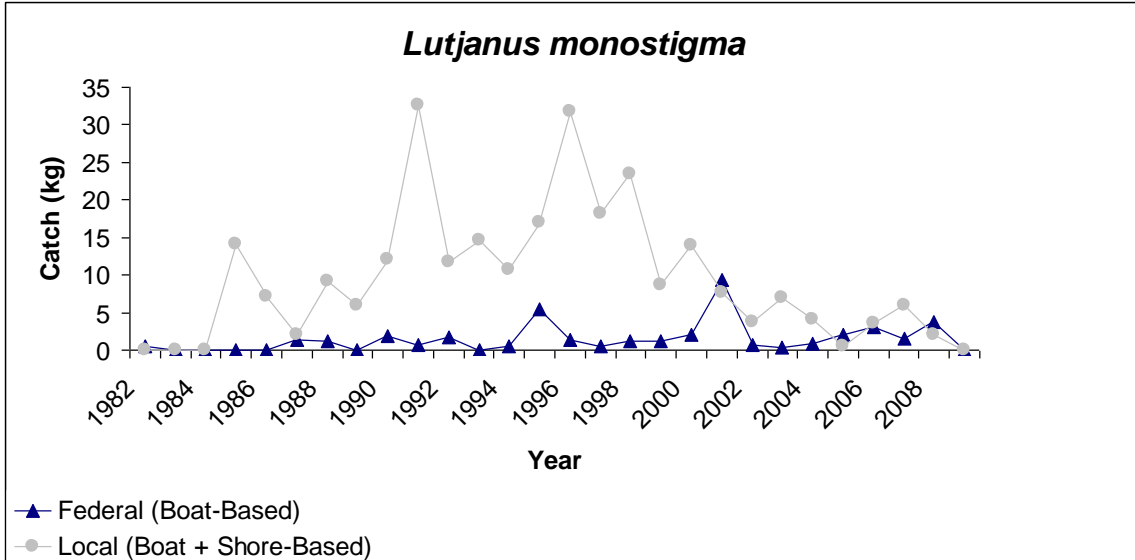
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.4	5.5
Standard Deviation	3.4	5.9
Confidence Value	1.3	2.2
Upper Bound CI	4.7	7.6
Lower Bound CI	2.2	3.3





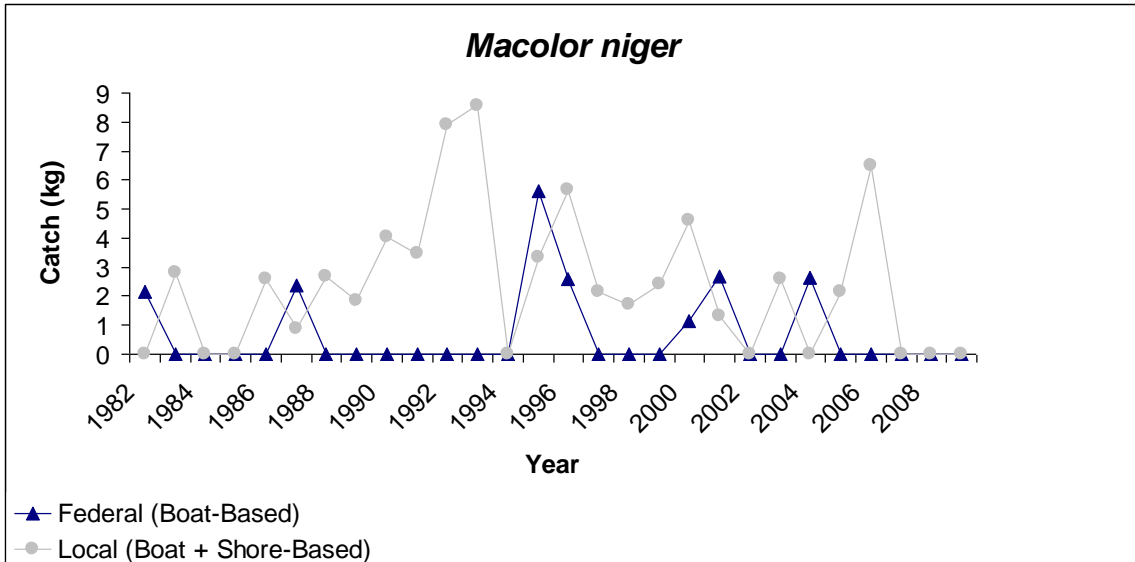
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	12.4	6.9
Standard Deviation	9.8	2.9
Confidence Value	8.6	2.5
Upper Bound CI	21.0	9.4
Lower Bound CI	3.8	4.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.1	15.0
Standard Deviation	7.9	10.9
Confidence Value	2.9	4.0
Upper Bound CI	12.0	19.0
Lower Bound CI	6.1	11.0



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.1	2.4
Standard Deviation	1.4	2.4
Confidence Value	1.3	2.1
Upper Bound CI	3.3	4.6
Lower Bound CI	0.8	0.3

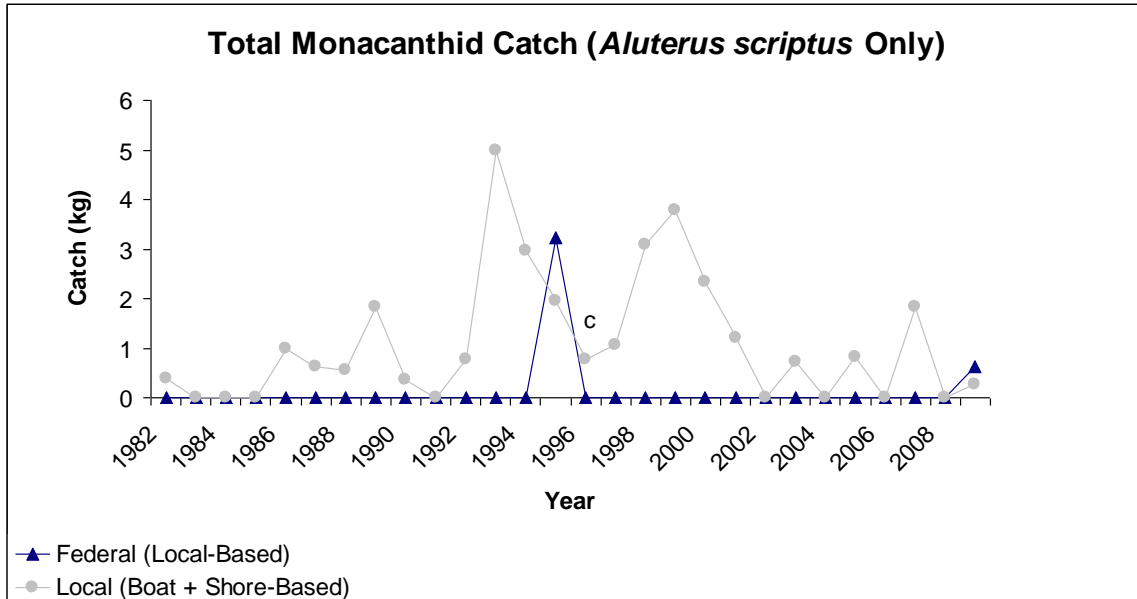
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.5	9.6
Standard Deviation	2.0	8.9
Confidence Value	0.7	3.3
Upper Bound CI	2.2	12.9
Lower Bound CI	0.7	6.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.7
Standard Deviation	0.0	2.8
Confidence Value	-	2.5
Upper Bound CI	-	4.2
Lower Bound CI	-	-0.7

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	2.4
Standard Deviation	1.4	2.4
Confidence Value	0.5	0.9
Upper Bound CI	1.2	3.3
Lower Bound CI	0.2	1.5

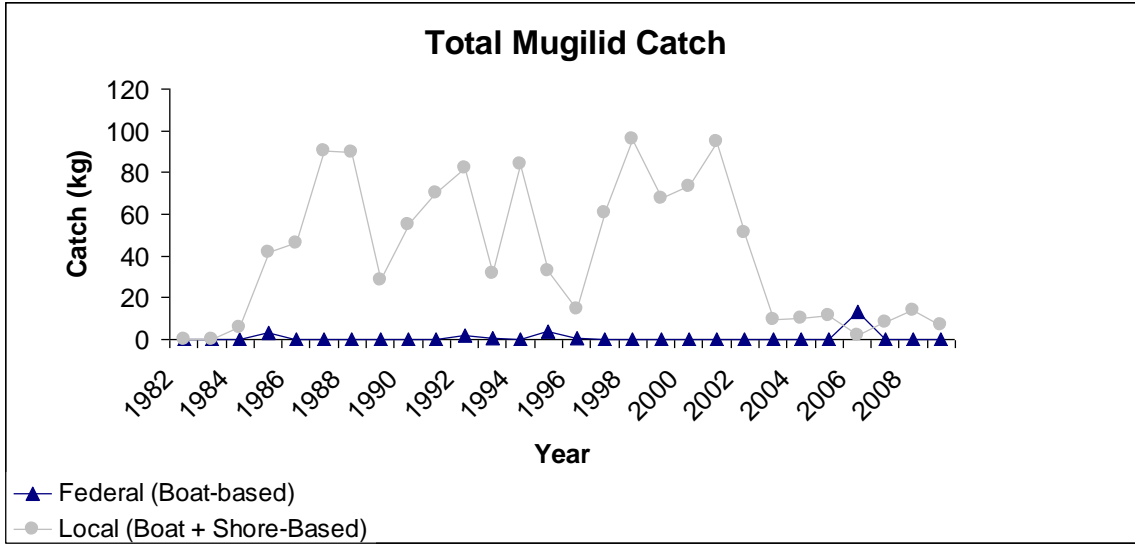
# MONACANTHIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.6
Standard Deviation	0.3	0.8
Confidence Value	0.2	0.7
Upper Bound CI	0.4	1.3
Lower Bound CI	-0.1	-0.1

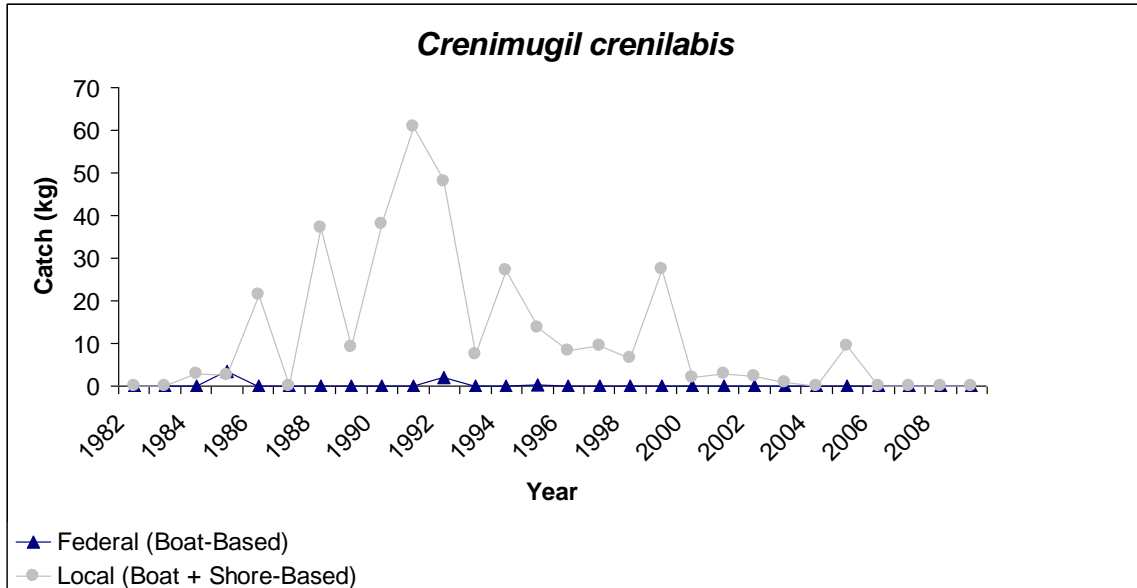
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	1.1
Standard Deviation	0.6	1.3
Confidence Value	0.2	0.5
Upper Bound CI	0.4	1.6
Lower Bound CI	-0.1	0.6

# MUGILIDAE



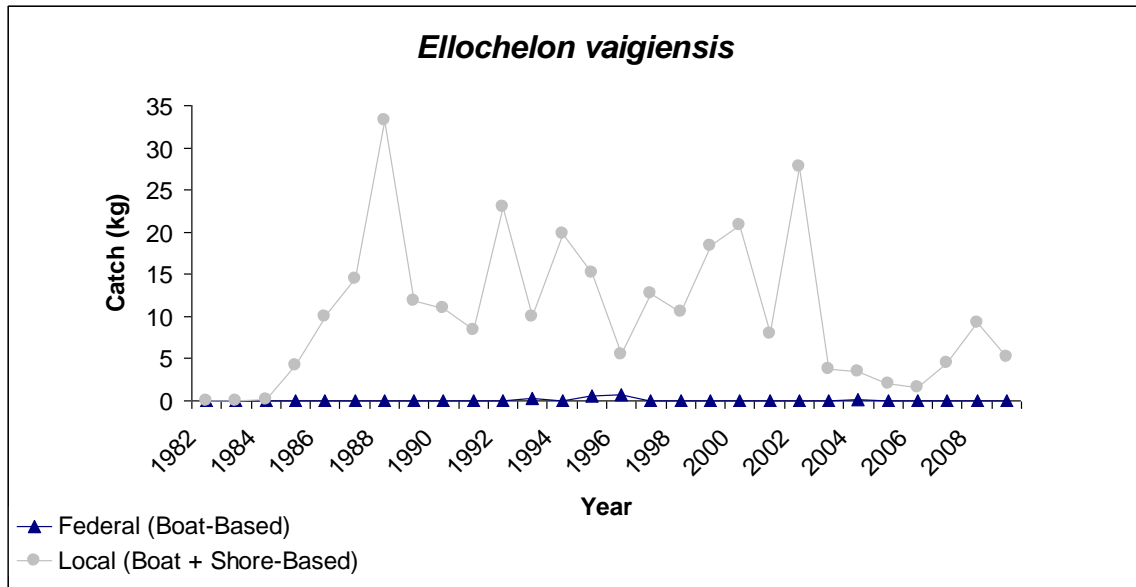
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.7	8.6
Standard Deviation	6.0	4.7
Confidence Value	5.2	4.1
Upper Bound CI	7.9	12.7
Lower Bound CI	-2.6	4.5

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	42.1
Standard Deviation	2.6	33.6
Confidence Value	1.0	12.4
Upper Bound CI	1.8	54.5
Lower Bound CI	-0.1	29.6



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.9
Standard Deviation	0.0	4.2
Confidence Value	-	3.7
Upper Bound CI	-	5.5
Lower Bound CI	-	-1.8

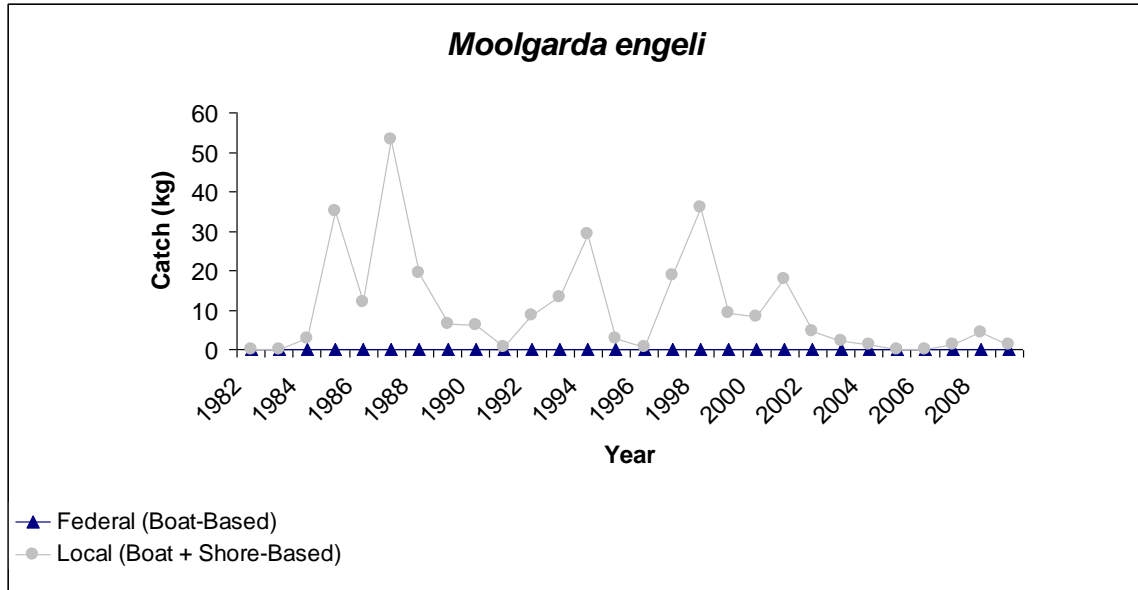
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	12.1
Standard Deviation	0.7	16.5
Confidence Value	0.3	6.1
Upper Bound CI	0.5	18.2
Lower Bound CI	-0.1	5.9



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	4.5
Standard Deviation	0.0	3.1
Confidence Value	-	2.7
Upper Bound CI	-	7.2
Lower Bound CI	-	1.8

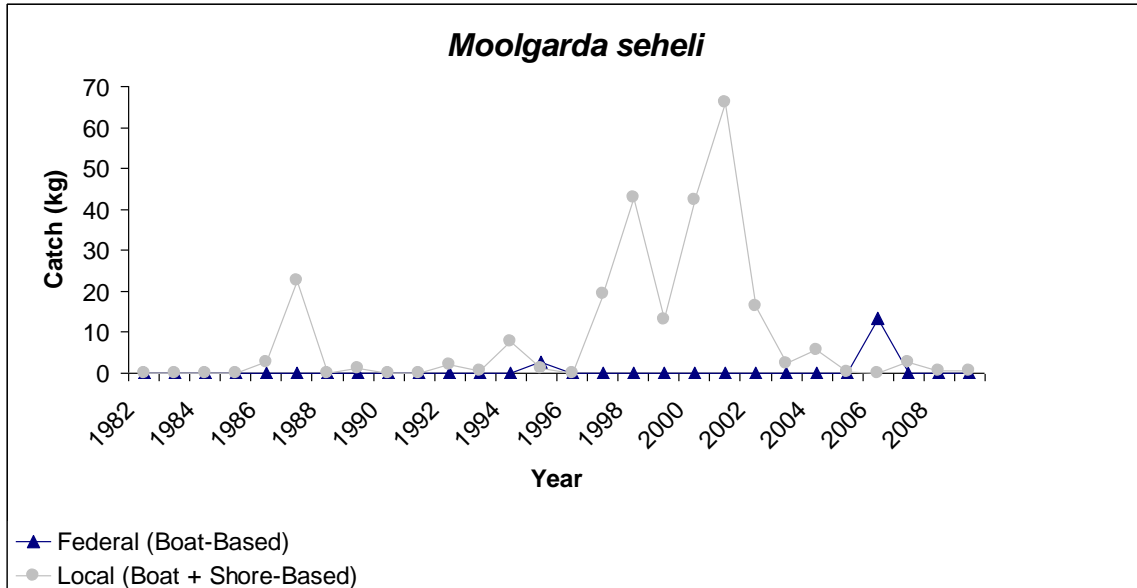
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	10.5
Standard Deviation	0.2	8.6
Confidence Value	0.1	3.2
Upper Bound CI	0.1	13.7
Lower Bound CI	0.0	7.4





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.3
Standard Deviation	0.0	1.7
Confidence Value	-	1.5
Upper Bound CI	-	2.8
Lower Bound CI	-	-0.2

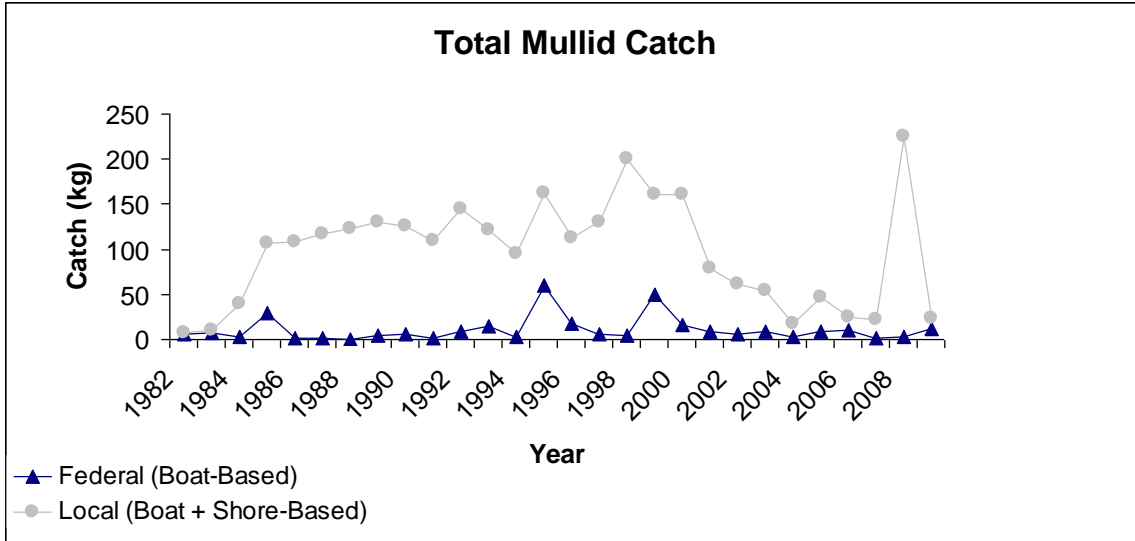
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	10.5
Standard Deviation	0.0	13.4
Confidence Value	-	5.0
Upper Bound CI	-	15.5
Lower Bound CI	-	5.6



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.7	0.8
Standard Deviation	6.0	1.1
Confidence Value	5.2	1.0
Upper Bound CI	7.9	1.8
Lower Bound CI	-2.6	-0.1

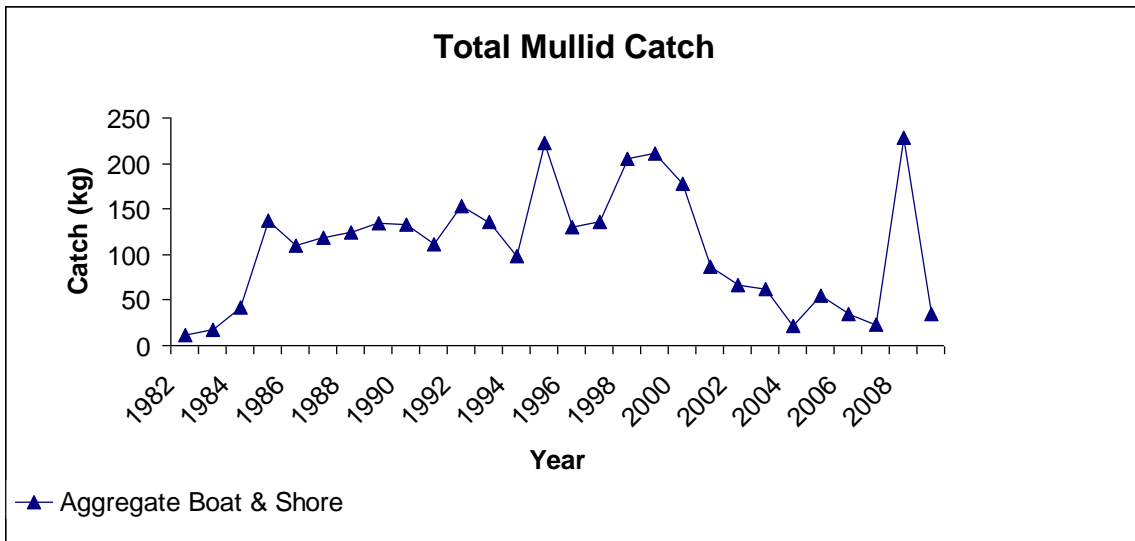
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	9.0
Standard Deviation	2.6	16.3
Confidence Value	0.9	6.0
Upper Bound CI	1.5	15.0
Lower Bound CI	-0.4	2.9

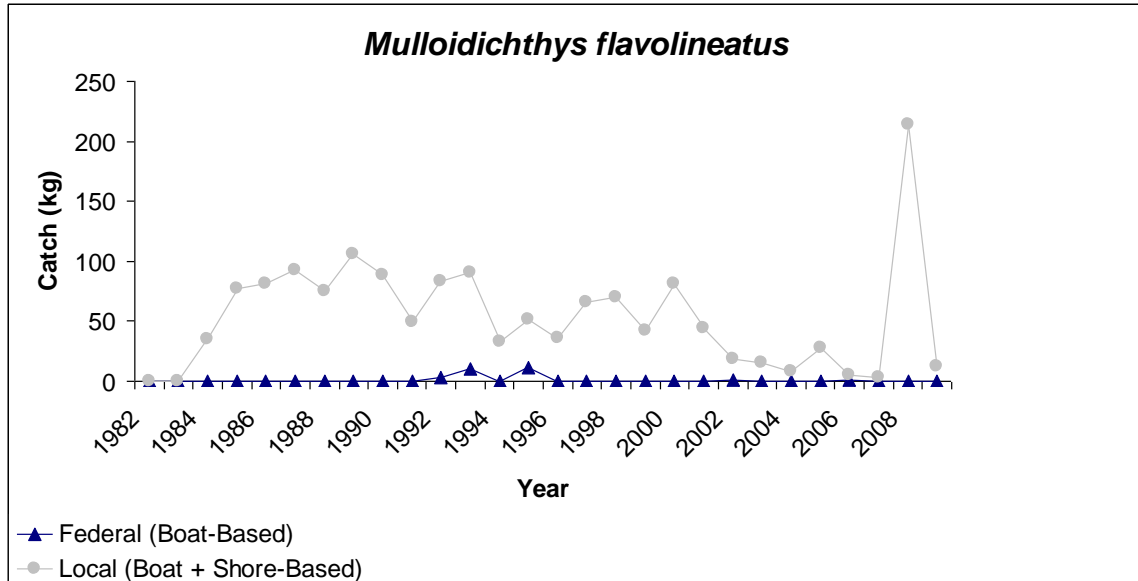
# MULLIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	6.9	68.2
Standard Deviation	4.5	88.2
Confidence Value	4.0	77.3
Upper Bound CI	10.9	145.5
Lower Bound CI	3.0	-9.1

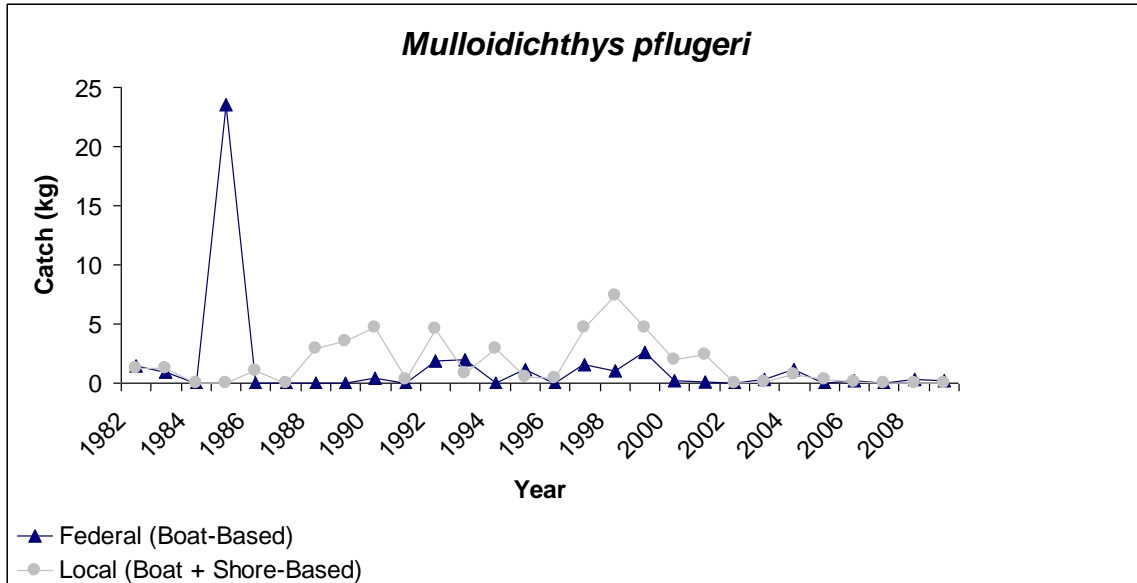
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.8	97.1
Standard Deviation	14.1	59.1
Confidence Value	5.2	21.9
Upper Bound CI	16.0	119.0
Lower Bound CI	5.6	75.2





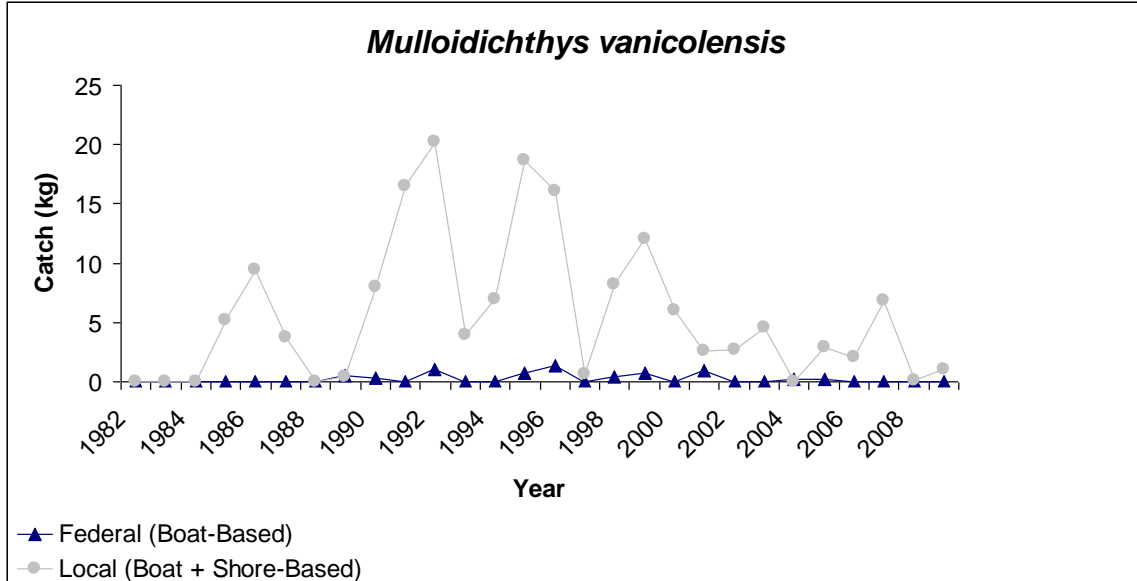
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	52.4
Standard Deviation	0.4	90.7
Confidence Value	0.4	79.5
Upper Bound CI	0.6	132.0
Lower Bound CI	-0.2	-27.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	53.7
Standard Deviation	2.8	45.3
Confidence Value	1.1	16.8
Upper Bound CI	2.0	70.5
Lower Bound CI	-0.1	36.9



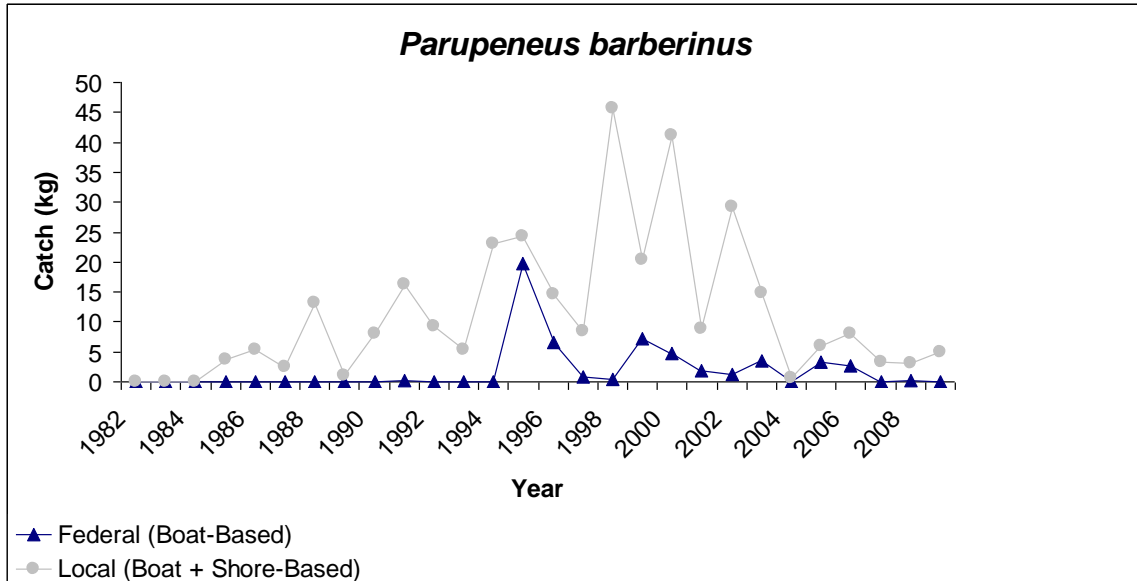
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.1
Standard Deviation	0.1	0.1
Confidence Value	0.1	0.1
Upper Bound CI	0.3	0.2
Lower Bound CI	0.0	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.4	1.7
Standard Deviation	4.4	2.0
Confidence Value	1.6	0.7
Upper Bound CI	3.0	2.4
Lower Bound CI	-0.2	0.9



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	2.6
Standard Deviation	0.1	2.6
Confidence Value	0.1	2.3
Upper Bound CI	0.1	4.9
Lower Bound CI	0.0	0.3

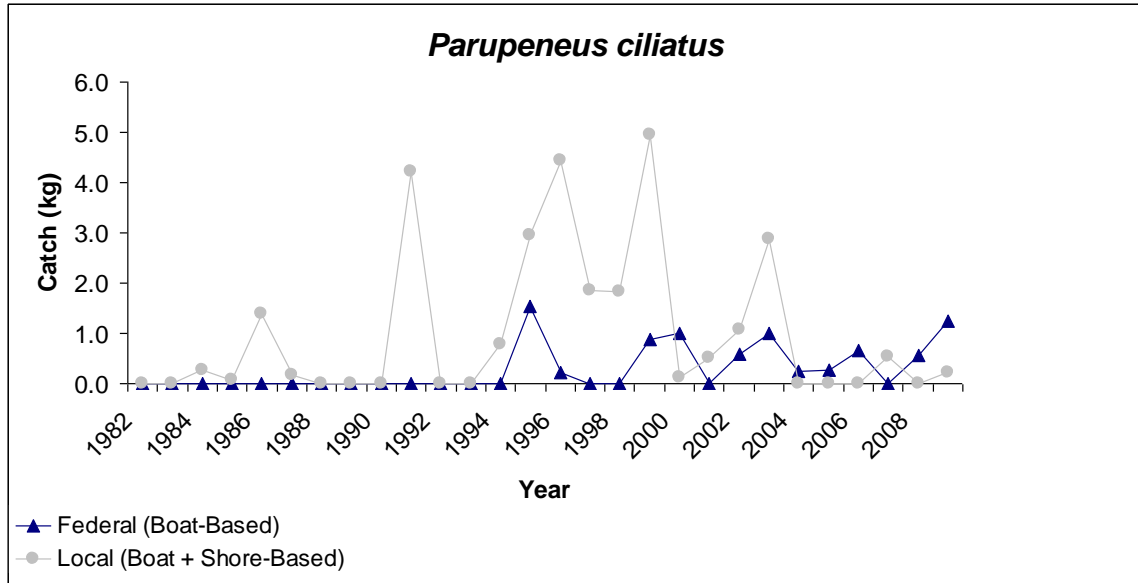
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	5.7
Standard Deviation	0.4	6.1
Confidence Value	0.1	2.2
Upper Bound CI	0.4	7.9
Lower Bound CI	0.1	3.4



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.2	5.0
Standard Deviation	1.6	2.0
Confidence Value	1.4	1.8
Upper Bound CI	2.6	6.8
Lower Bound CI	-0.2	3.2

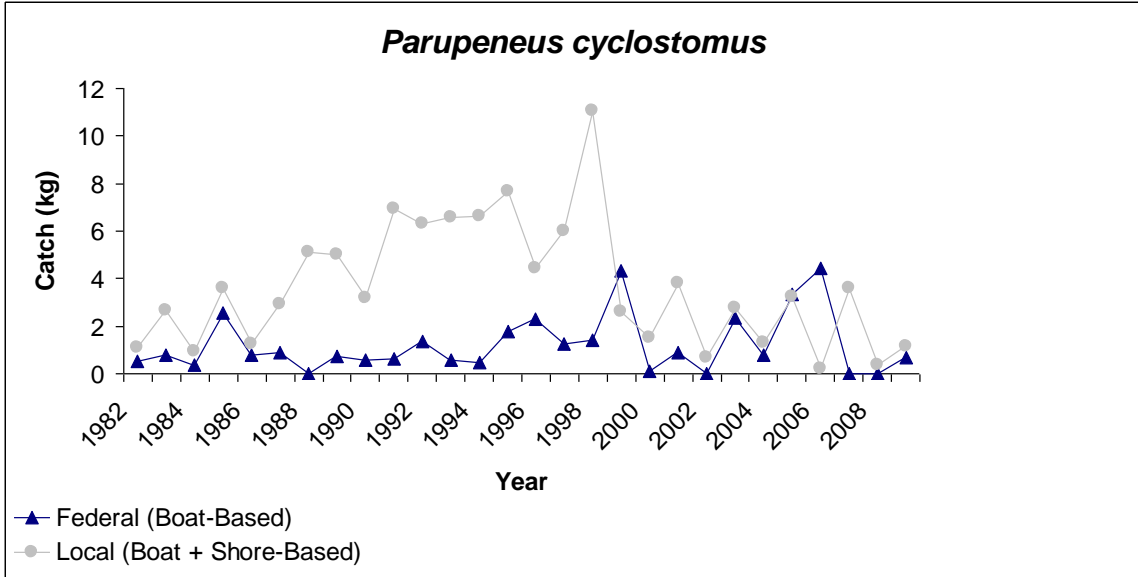
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.9	11.4
Standard Deviation	4.1	12.0
Confidence Value	1.5	4.4
Upper Bound CI	3.4	15.9
Lower Bound CI	0.4	7.0





Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	0.2
Standard Deviation	0.5	0.2
Confidence Value	0.4	0.2
Upper Bound CI	1.0	0.4
Lower Bound CI	0.1	-0.1

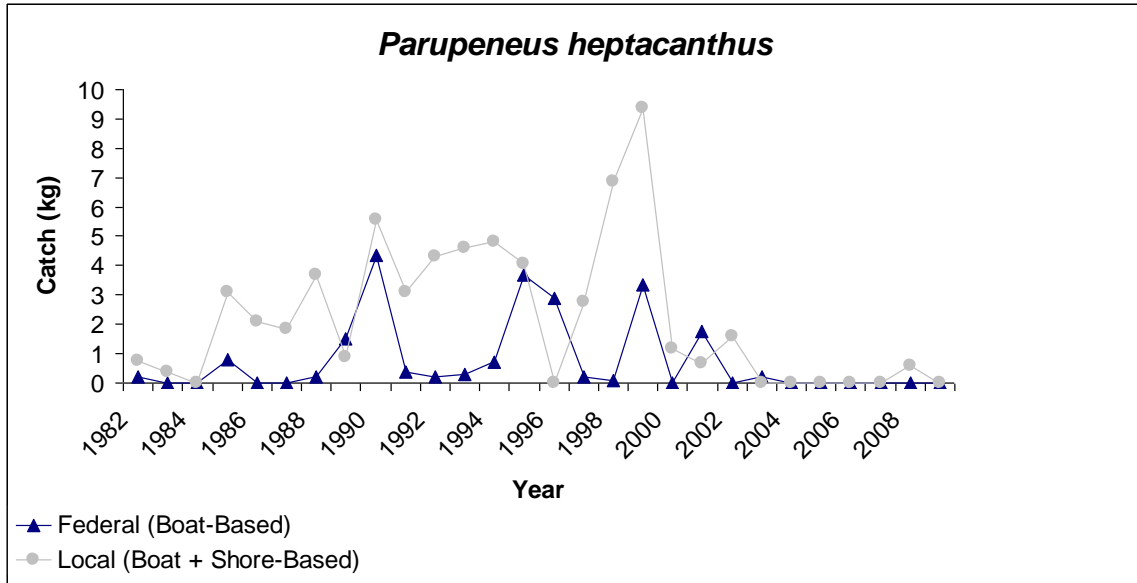
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.0
Standard Deviation	0.5	1.5
Confidence Value	0.2	0.6
Upper Bound CI	0.5	1.6
Lower Bound CI	0.1	0.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	1.7
Standard Deviation	2.1	1.6
Confidence Value	1.8	1.4
Upper Bound CI	3.5	3.1
Lower Bound CI	-0.1	0.3

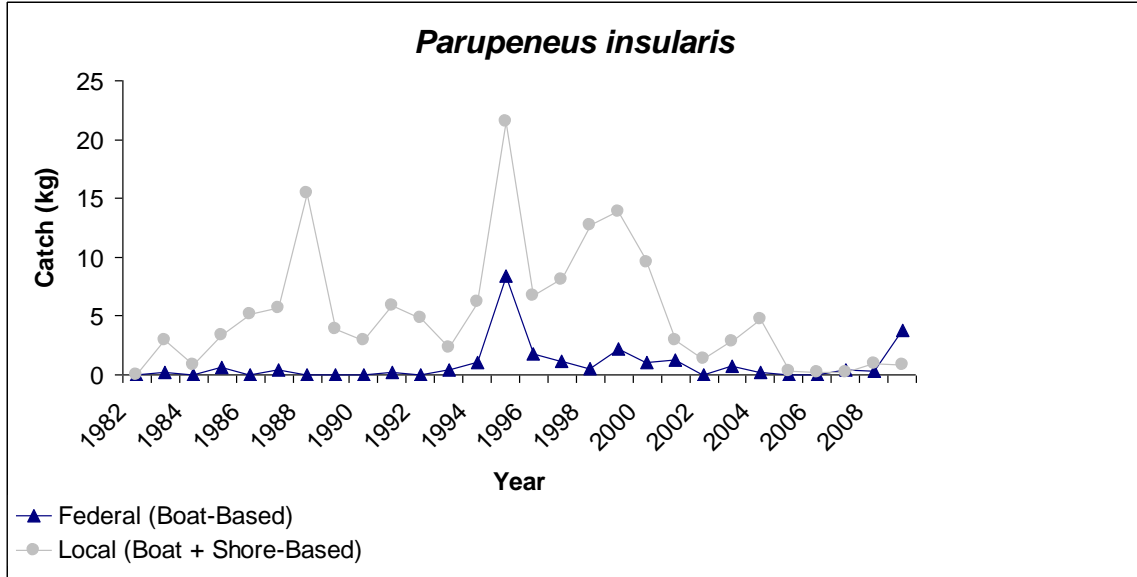
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.2	3.7
Standard Deviation	1.2	2.6
Confidence Value	0.5	1.0
Upper Bound CI	1.7	4.6
Lower Bound CI	0.8	2.7



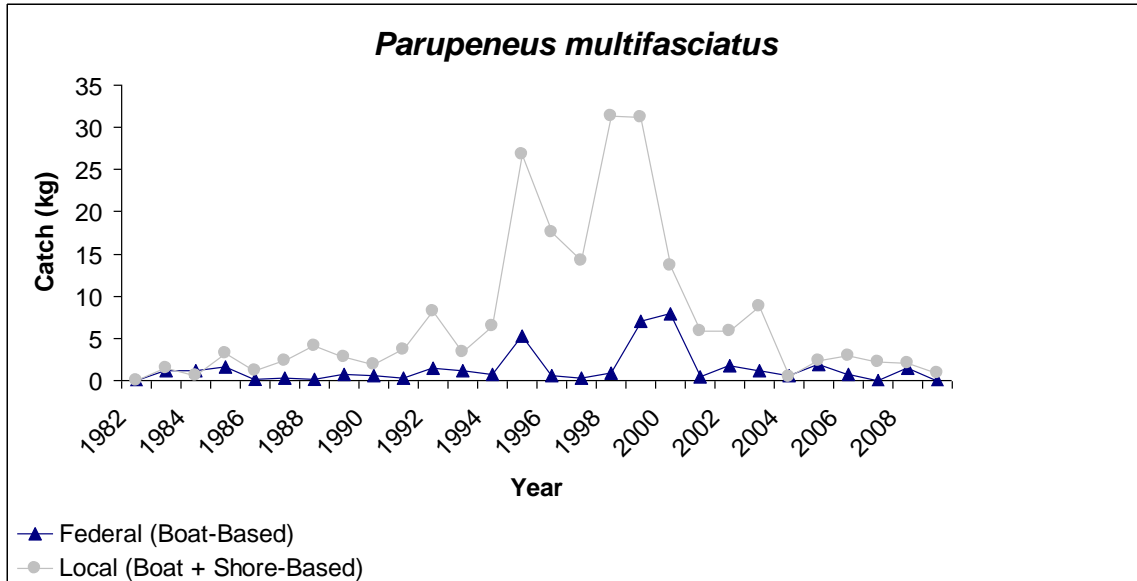
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.3
Confidence Value	-	0.2
Upper Bound CI	-	0.3
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	2.2
Standard Deviation	1.3	2.4
Confidence Value	0.5	0.9
Upper Bound CI	1.2	3.1
Lower Bound CI	0.3	1.3



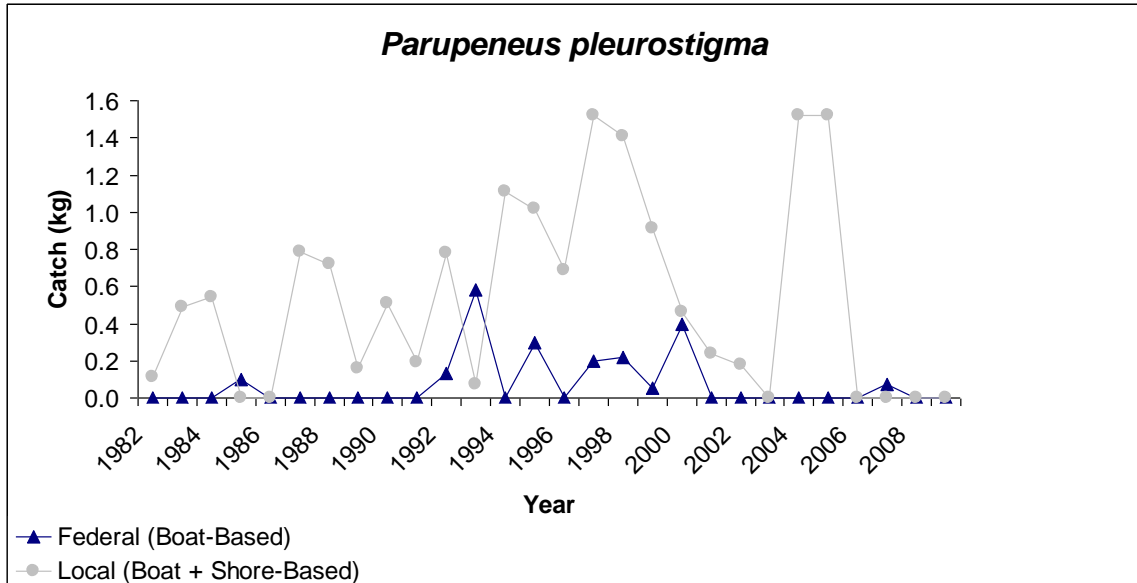
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	0.5
Standard Deviation	1.6	0.4
Confidence Value	1.4	0.3
Upper Bound CI	2.3	0.8
Lower Bound CI	-0.5	0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	5.2
Standard Deviation	1.7	5.2
Confidence Value	0.6	1.9
Upper Bound CI	1.5	7.2
Lower Bound CI	0.3	3.3



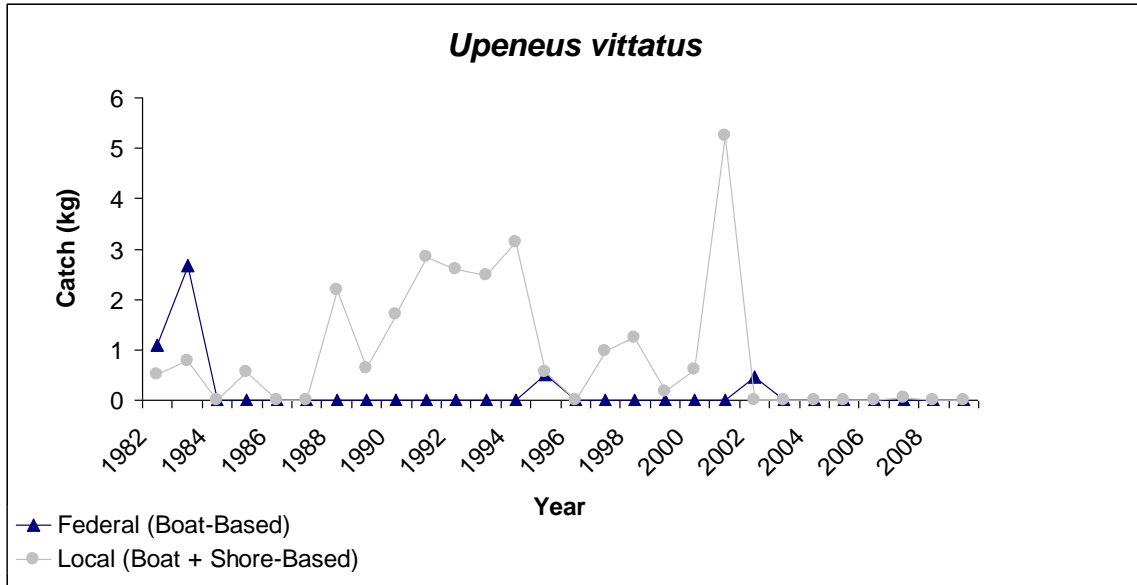
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	2.1
Standard Deviation	0.8	0.7
Confidence Value	0.7	0.6
Upper Bound CI	1.6	2.7
Lower Bound CI	0.1	1.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.4	7.3
Standard Deviation	2.0	9.0
Confidence Value	0.7	3.4
Upper Bound CI	2.1	10.7
Lower Bound CI	0.7	4.0



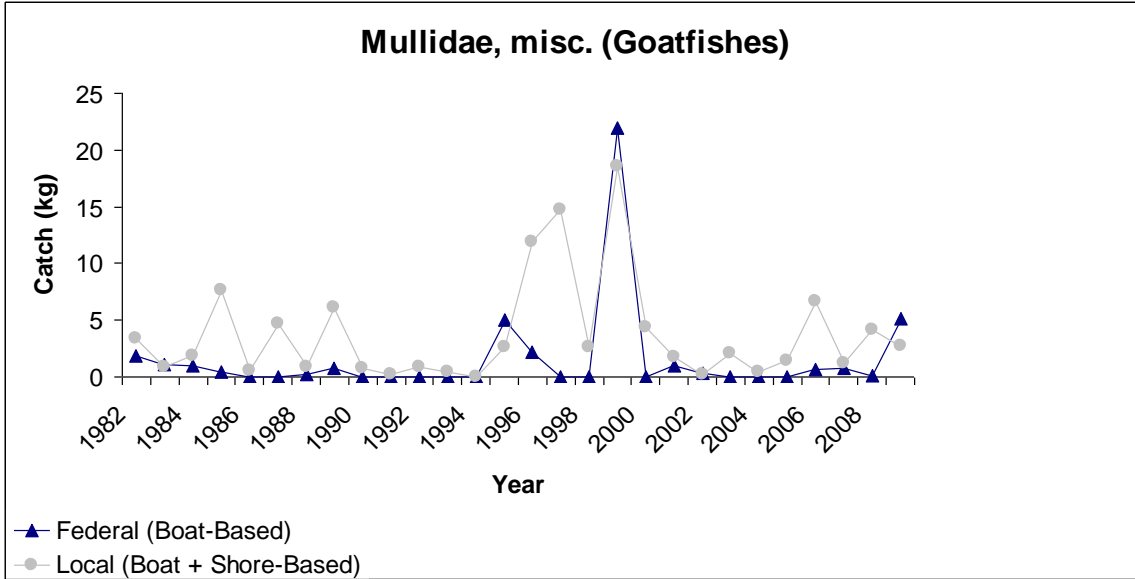
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.3
Standard Deviation	0.0	0.7
Confidence Value	0.0	0.6
Upper Bound CI	0.0	0.9
Lower Bound CI	0.0	-0.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.5
Standard Deviation	0.1	0.5
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.7
Lower Bound CI	0.0	0.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	0.0
Upper Bound CI	-	0.0
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.9
Standard Deviation	0.5	1.3
Confidence Value	0.2	0.5
Upper Bound CI	0.4	1.4
Lower Bound CI	0.0	0.5

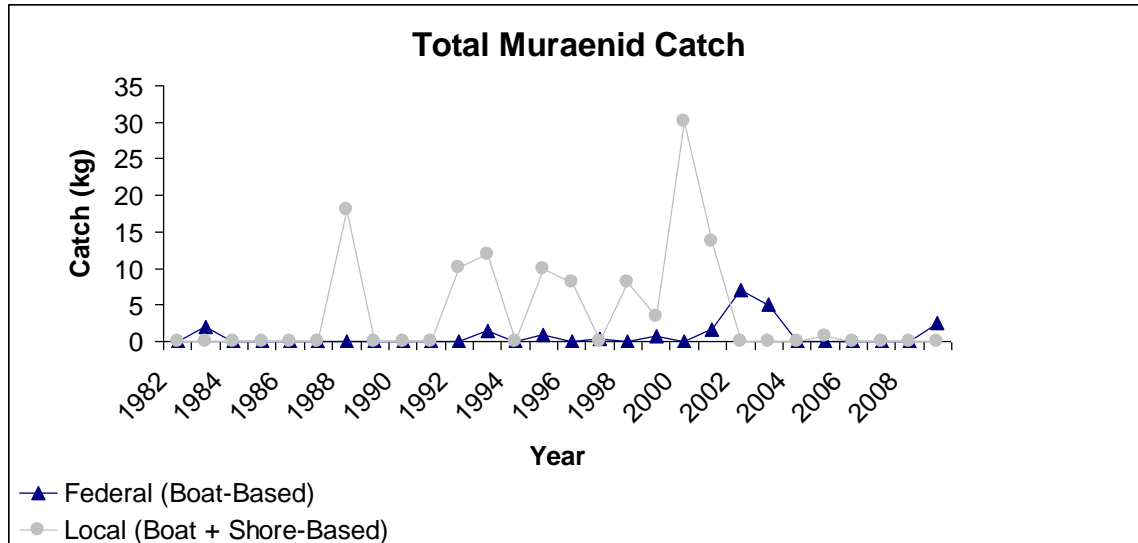


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	3.3
Standard Deviation	2.1	2.3
Confidence Value	1.9	2.0
Upper Bound CI	3.2	5.2
Lower Bound CI	-0.5	1.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.5	3.7
Standard Deviation	4.2	4.6
Confidence Value	1.6	1.7
Upper Bound CI	3.1	5.4
Lower Bound CI	0.0	2.0

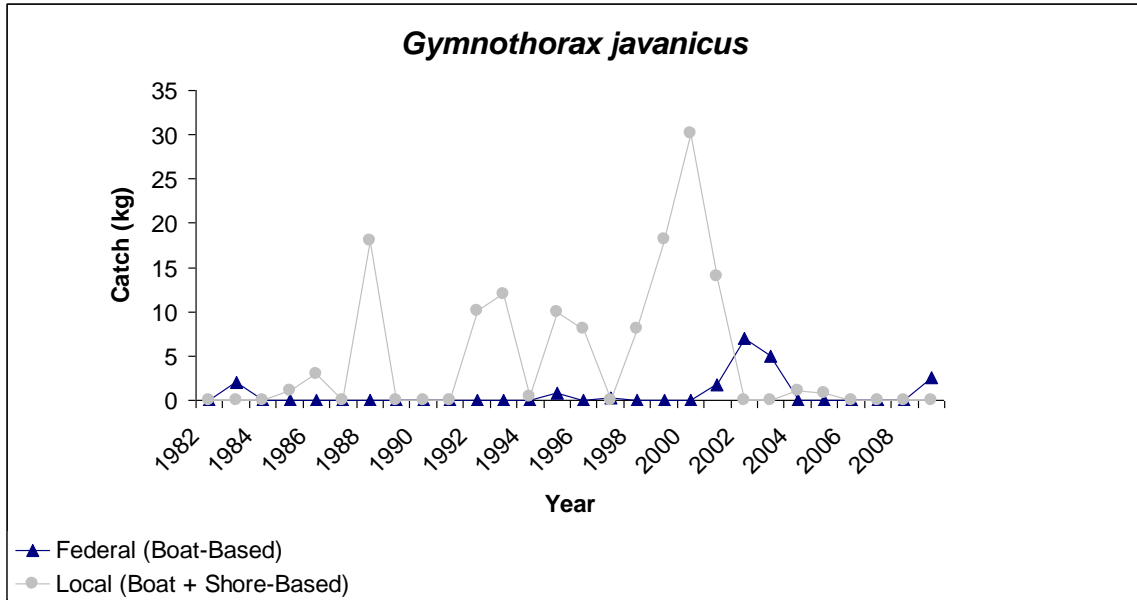


# MURAENIDAE



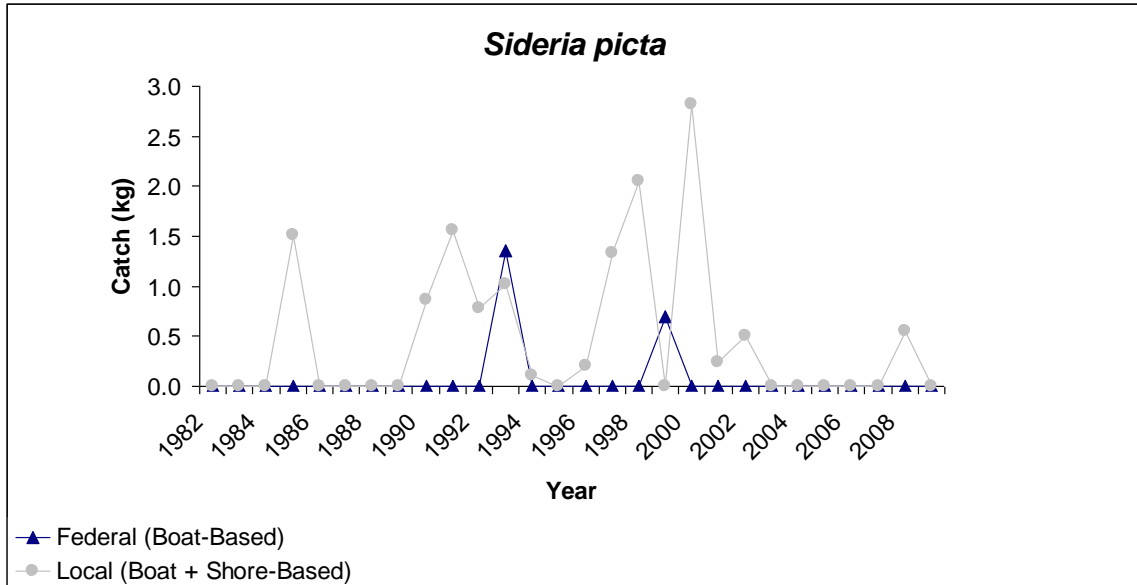
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	0.1
Standard Deviation	1.1	0.3
Confidence Value	1.0	0.3
Upper Bound CI	1.5	0.4
Lower Bound CI	-0.5	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	4.1
Standard Deviation	1.7	7.3
Confidence Value	0.6	2.7
Upper Bound CI	1.4	6.8
Lower Bound CI	0.2	1.4



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	0.2
Standard Deviation	1.1	0.4
Confidence Value	1.0	0.3
Upper Bound CI	1.5	0.5
Lower Bound CI	-0.5	-0.2

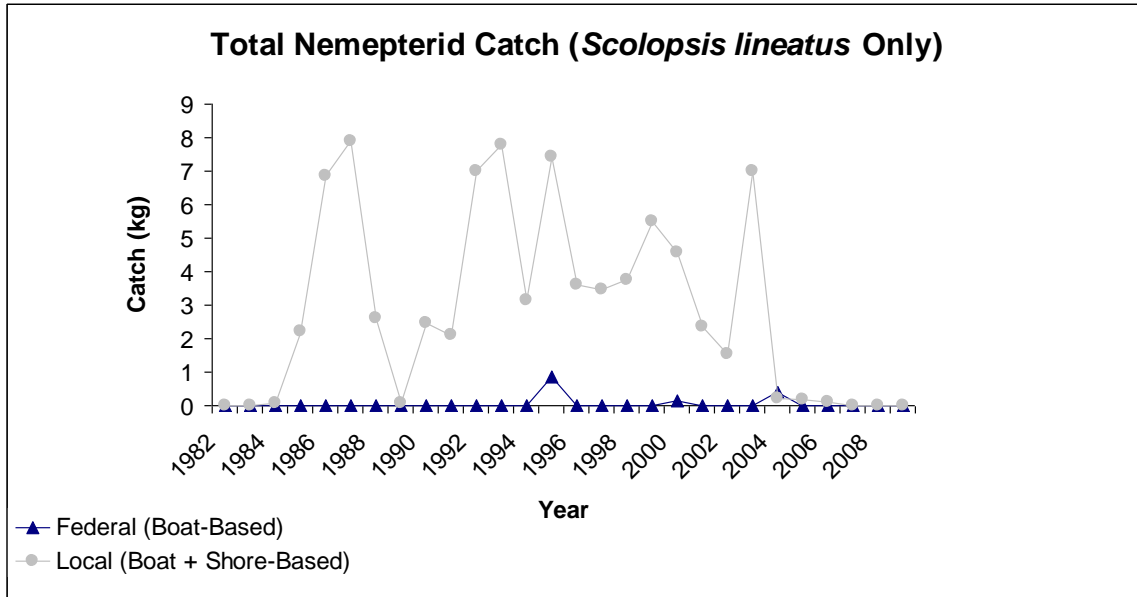
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	4.8
Standard Deviation	1.7	7.7
Confidence Value	0.6	2.8
Upper Bound CI	1.3	7.7
Lower Bound CI	0.1	2.0



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.2
Confidence Value	-	0.2
Upper Bound CI	-	0.3
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.5
Standard Deviation	0.3	0.7
Confidence Value	0.1	0.3
Upper Bound CI	0.2	0.8
Lower Bound CI	0.0	0.2

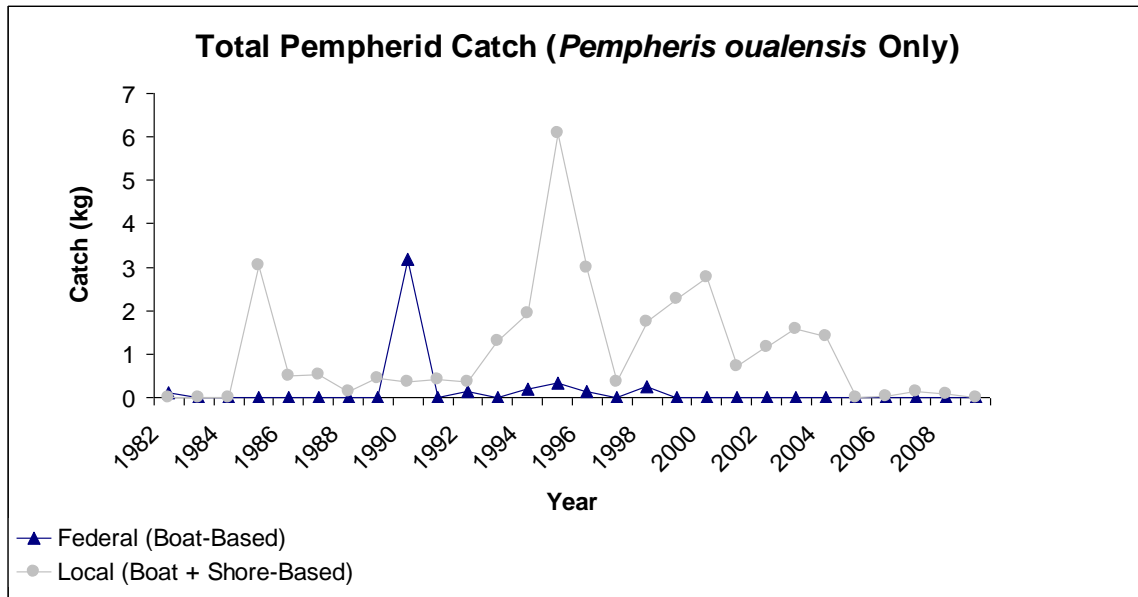
# NEMIPTERIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	2.9
Standard Deviation	0.2	2.8
Confidence Value	0.1	1.0
Upper Bound CI	0.1	4.0
Lower Bound CI	0.0	1.9

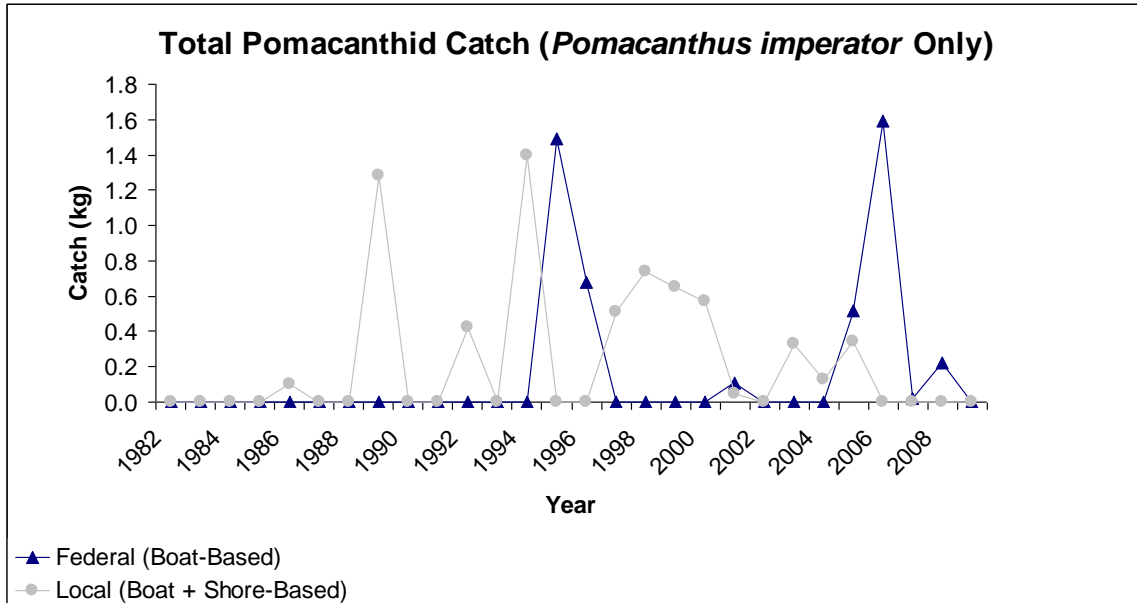
# PEMPHERIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.1
Lower Bound CI	-	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	1.1
Standard Deviation	0.6	1.4
Confidence Value	0.2	0.5
Upper Bound CI	0.4	1.6
Lower Bound CI	-0.1	0.6

# POMACANTHIDAE

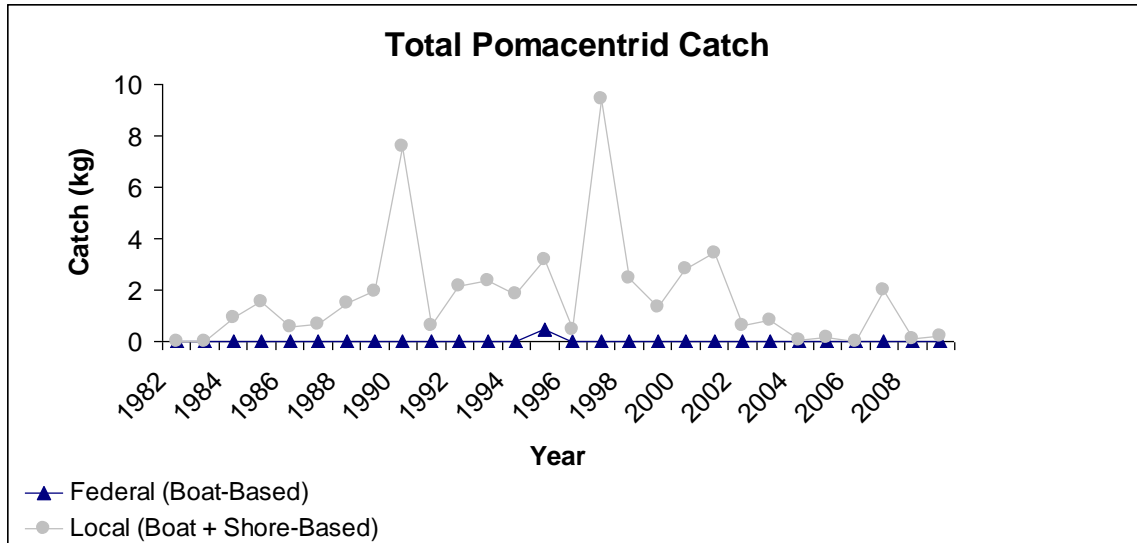


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	0.1
Standard Deviation	0.7	0.2
Confidence Value	0.6	0.1
Upper Bound CI	1.0	0.2
Lower Bound CI	-0.1	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.2
Standard Deviation	0.4	0.4
Confidence Value	0.2	0.1
Upper Bound CI	0.3	0.4
Lower Bound CI	0.0	0.1

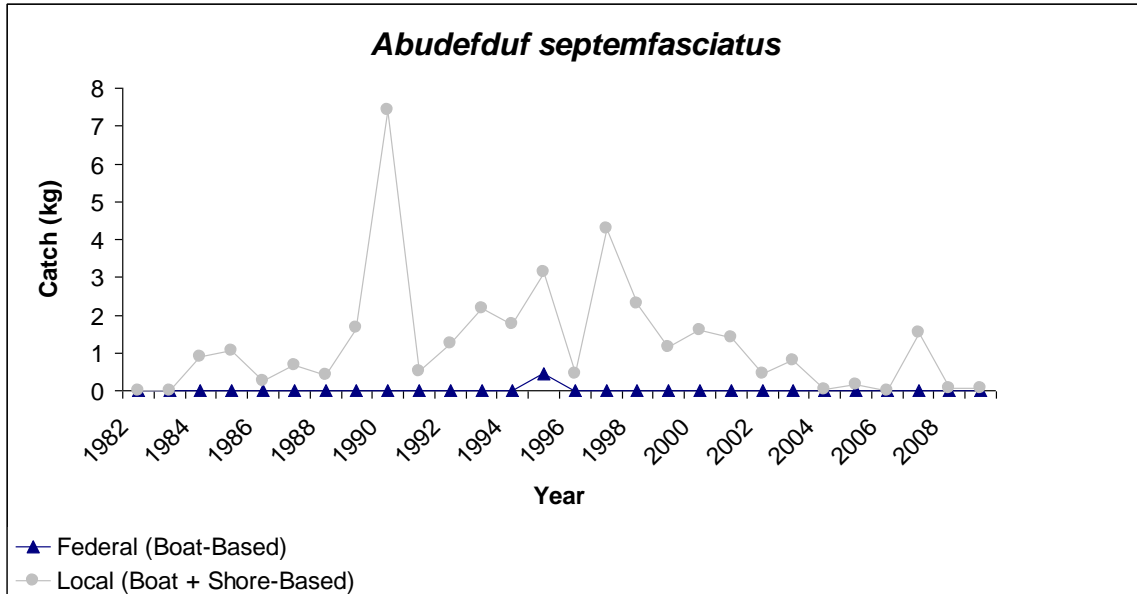
# POMACENTRIDAE





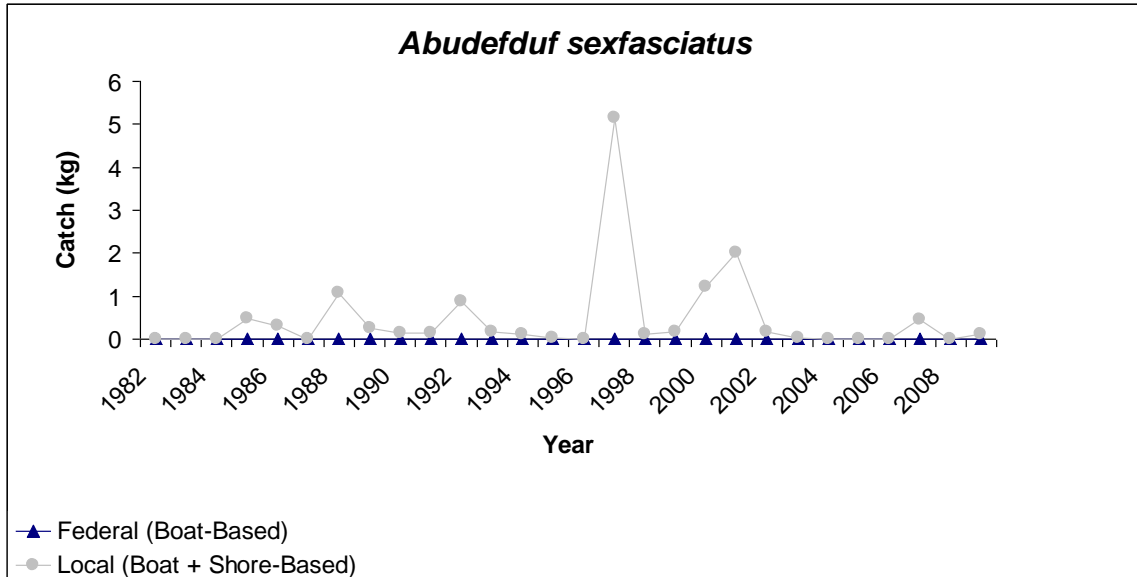
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.5
Standard Deviation	0.0	0.8
Confidence Value	-	0.7
Upper Bound CI	-	1.2
Lower Bound CI	-	-0.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.7
Standard Deviation	0.1	2.2
Confidence Value	0.0	0.8
Upper Bound CI	0.0	2.5
Lower Bound CI	0.0	0.9



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.4
Standard Deviation	0.0	0.7
Confidence Value	-	0.6
Upper Bound CI	-	0.9
Lower Bound CI	-	-0.2

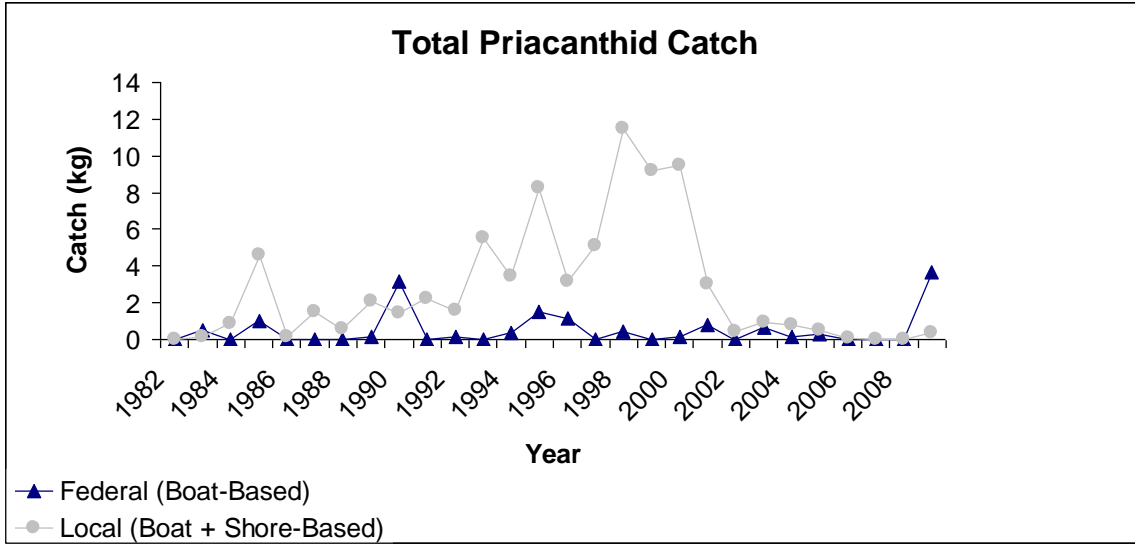
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.3
Standard Deviation	0.1	1.6
Confidence Value	0.0	0.6
Upper Bound CI	0.0	1.9
Lower Bound CI	0.0	0.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.2
Confidence Value	-	0.2
Upper Bound CI	-	0.3
Lower Bound CI	-	-0.1

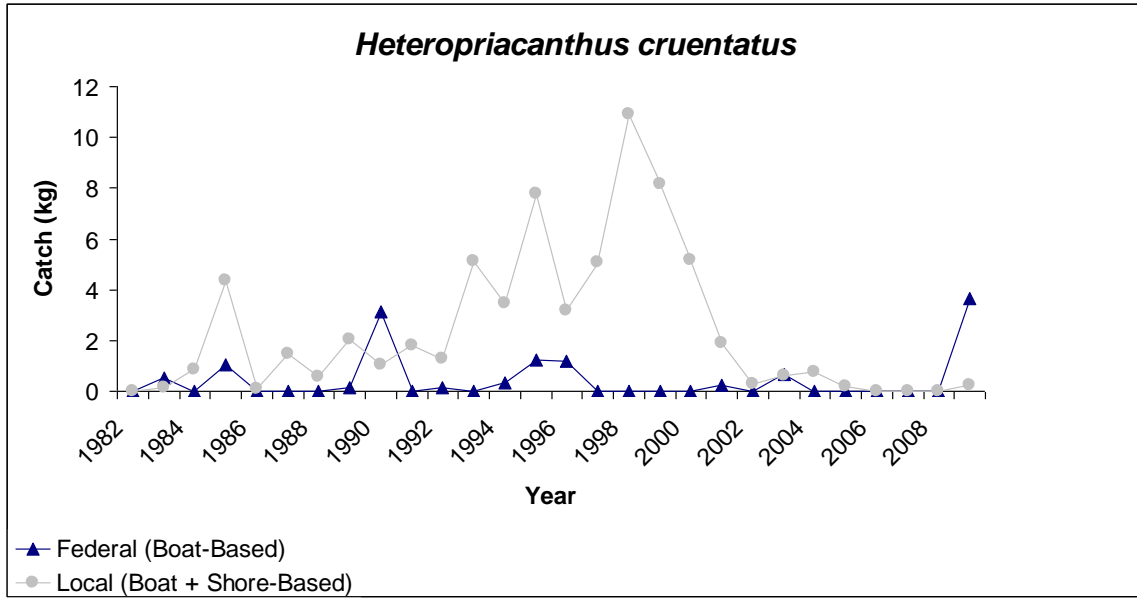
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.5
Standard Deviation	0.0	1.0
Confidence Value	-	0.4
Upper Bound CI	-	0.8
Lower Bound CI	-	0.1

# PRIACANTHIDAE



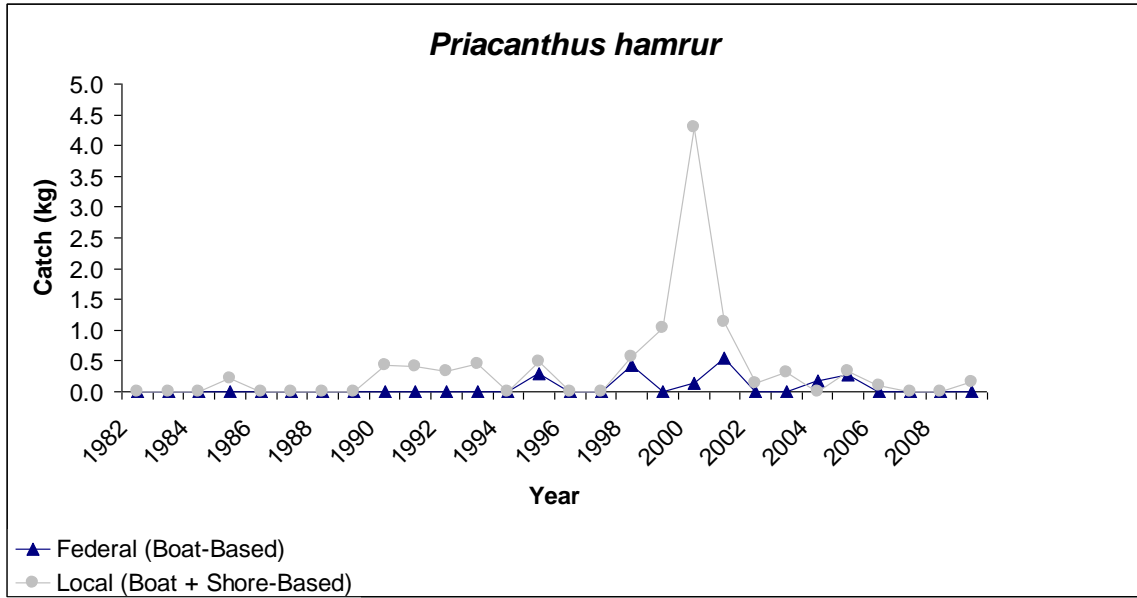
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.8	0.2
Standard Deviation	1.6	0.2
Confidence Value	1.4	0.2
Upper Bound CI	2.2	0.4
Lower Bound CI	-0.6	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	2.7
Standard Deviation	0.9	3.3
Confidence Value	0.3	1.2
Upper Bound CI	0.8	4.0
Lower Bound CI	0.2	1.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	0.1
Standard Deviation	1.6	0.1
Confidence Value	1.4	0.1
Upper Bound CI	2.2	0.2
Lower Bound CI	-0.7	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	2.4
Standard Deviation	0.9	2.9
Confidence Value	0.3	1.1
Upper Bound CI	0.8	3.4
Lower Bound CI	0.1	1.3

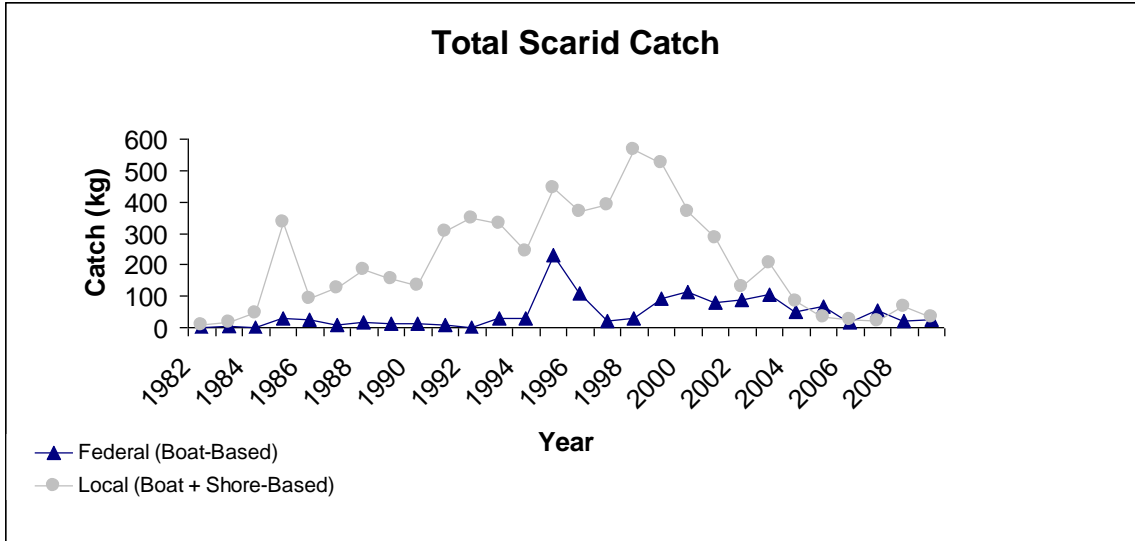


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.1
Standard Deviation	0.1	0.1
Confidence Value	0.1	0.1
Upper Bound CI	0.2	0.2
Lower Bound CI	-0.1	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.4
Standard Deviation	0.1	0.8
Confidence Value	0.1	0.3
Upper Bound CI	0.1	0.7
Lower Bound CI	0.0	0.1

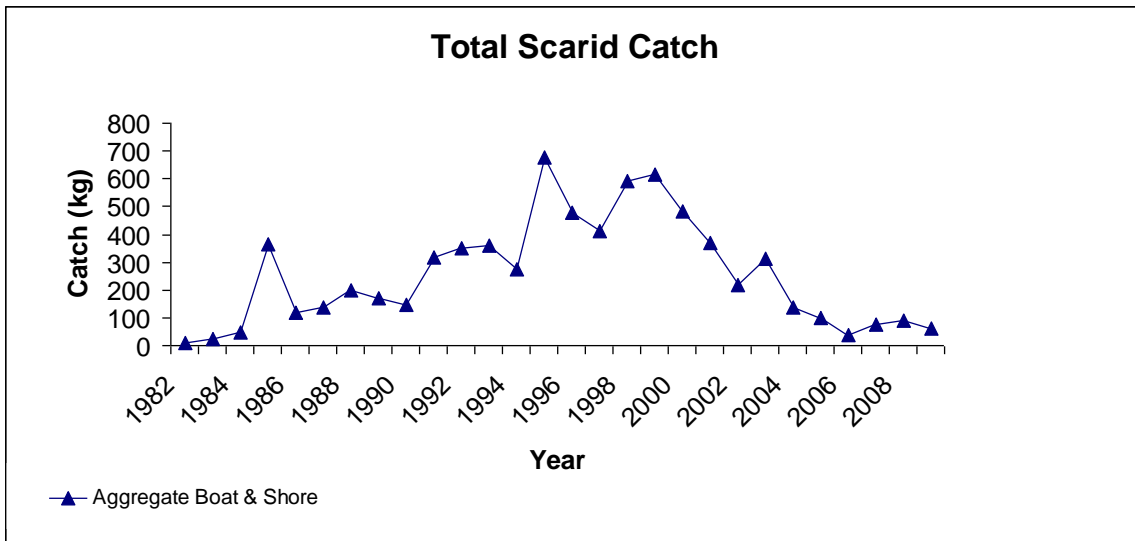
# SCARIDAE

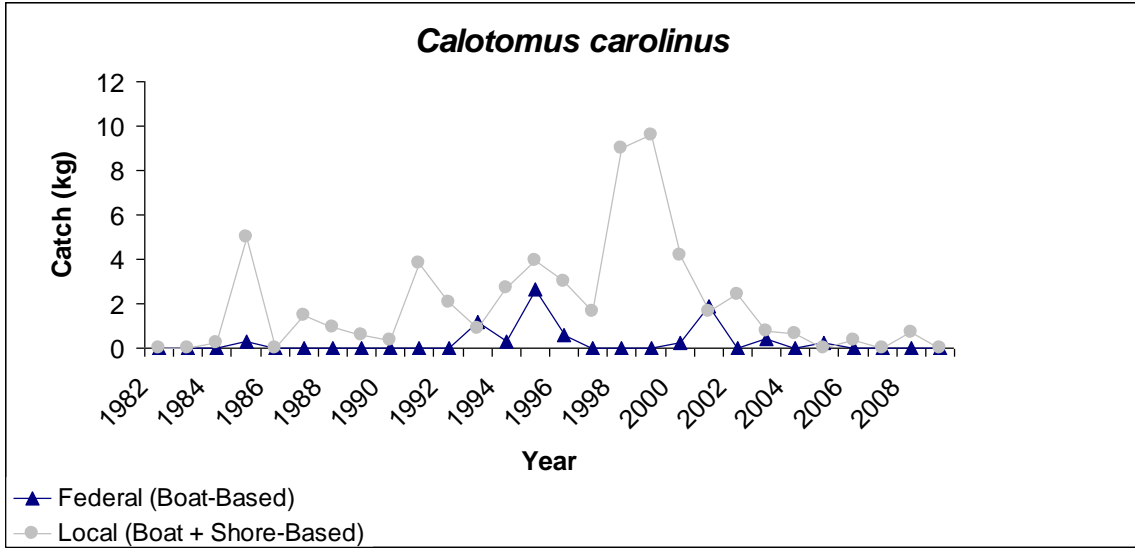




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	36.3	36.3
Standard Deviation	22.5	18.6
Confidence Value	19.7	16.3
Upper Bound CI	56.0	52.6
Lower Bound CI	16.6	20.0

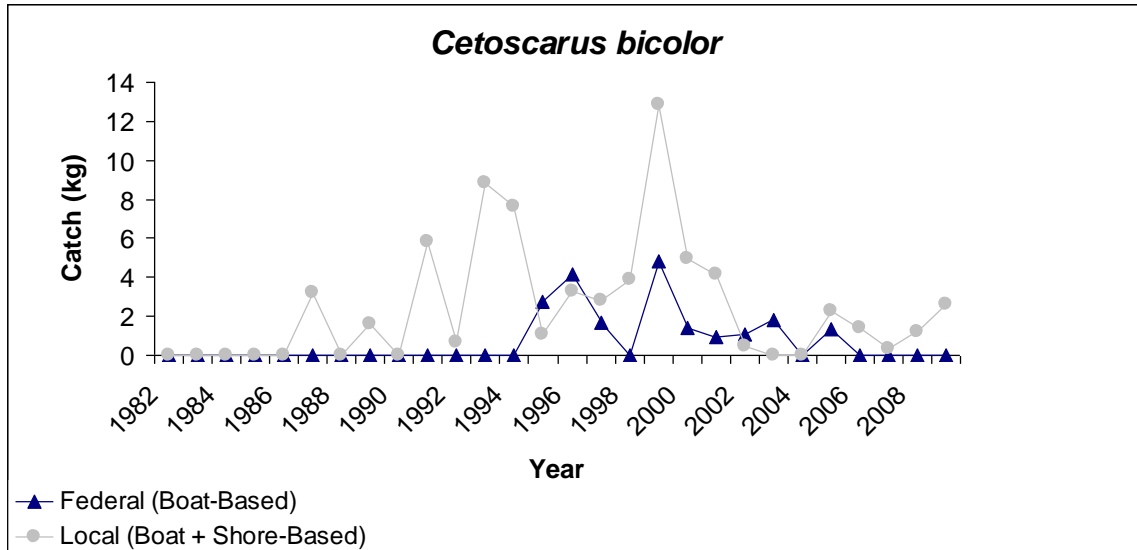
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	45.5	210.2
Standard Deviation	51.0	165.7
Confidence Value	18.9	61.4
Upper Bound CI	64.4	271.6
Lower Bound CI	26.6	148.8





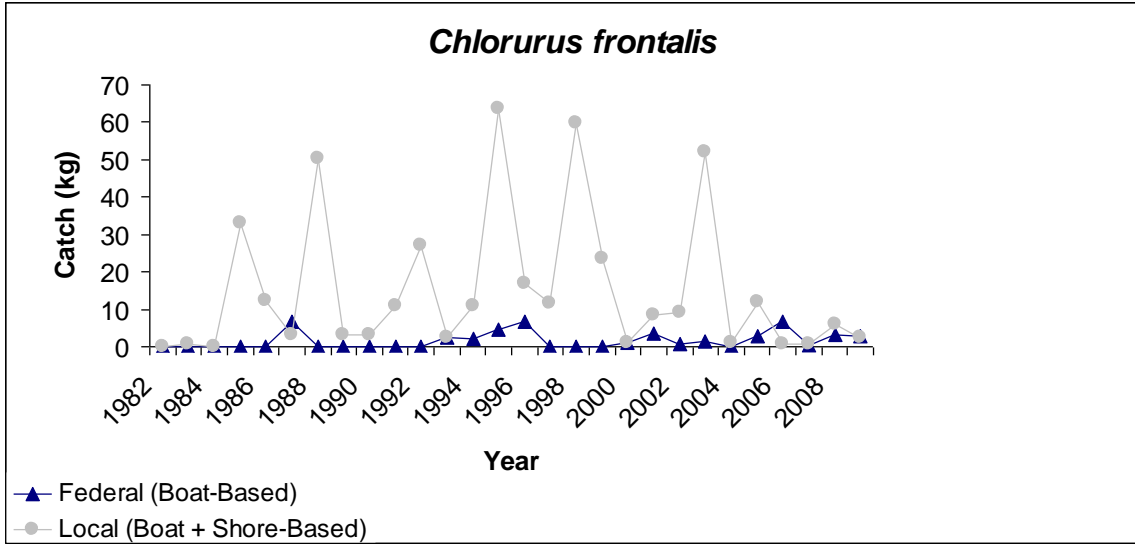
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.1	0.3
Confidence Value	0.1	0.3
Upper Bound CI	0.1	0.5
Lower Bound CI	0.0	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	2.0
Standard Deviation	0.6	2.5
Confidence Value	0.2	0.9
Upper Bound CI	0.5	2.9
Lower Bound CI	0.0	1.1



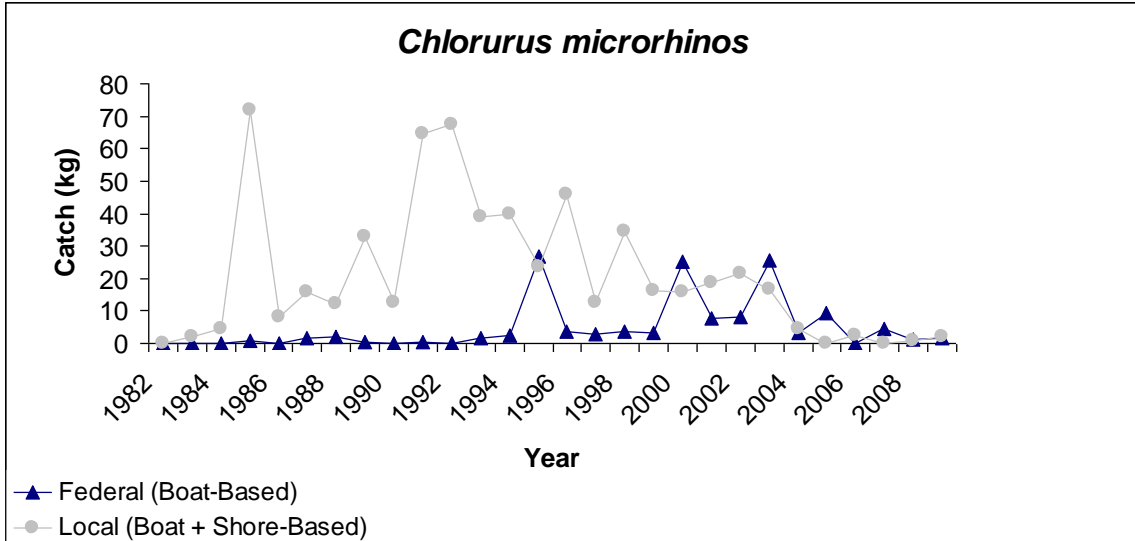
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.6
Standard Deviation	0.6	0.9
Confidence Value	0.5	0.8
Upper Bound CI	0.8	2.3
Lower Bound CI	-0.3	0.8

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	2.5
Standard Deviation	1.3	3.2
Confidence Value	0.5	1.2
Upper Bound CI	1.2	3.6
Lower Bound CI	0.2	1.3



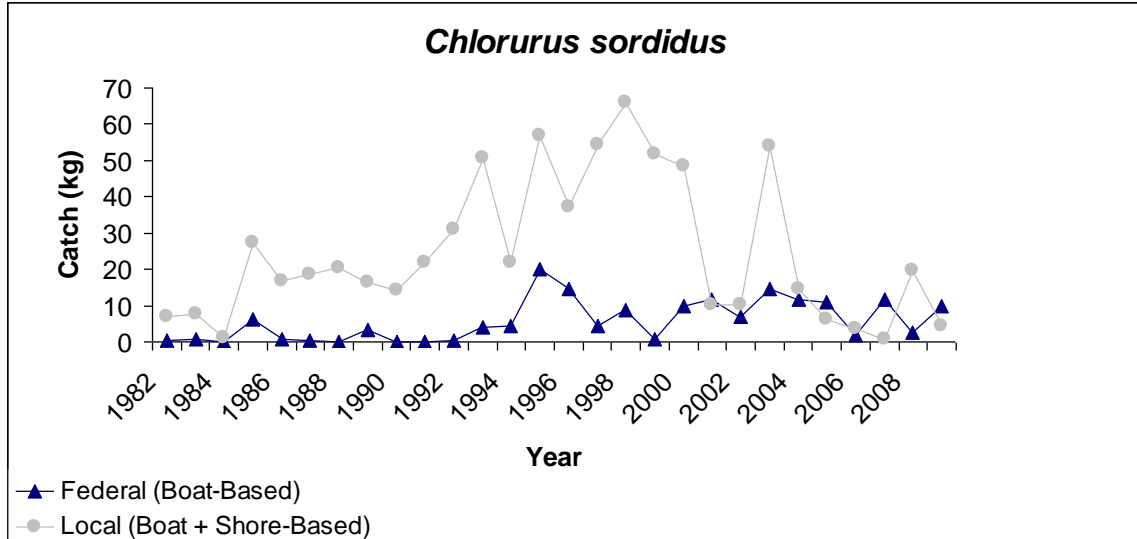
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.3	4.5
Standard Deviation	2.2	4.8
Confidence Value	1.9	4.2
Upper Bound CI	5.2	8.6
Lower Bound CI	1.4	0.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.6	15.2
Standard Deviation	2.2	19.2
Confidence Value	0.8	7.1
Upper Bound CI	2.5	22.4
Lower Bound CI	0.8	8.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.3	1.1
Standard Deviation	3.8	1.1
Confidence Value	3.3	0.9
Upper Bound CI	6.6	2.0
Lower Bound CI	0.0	0.2

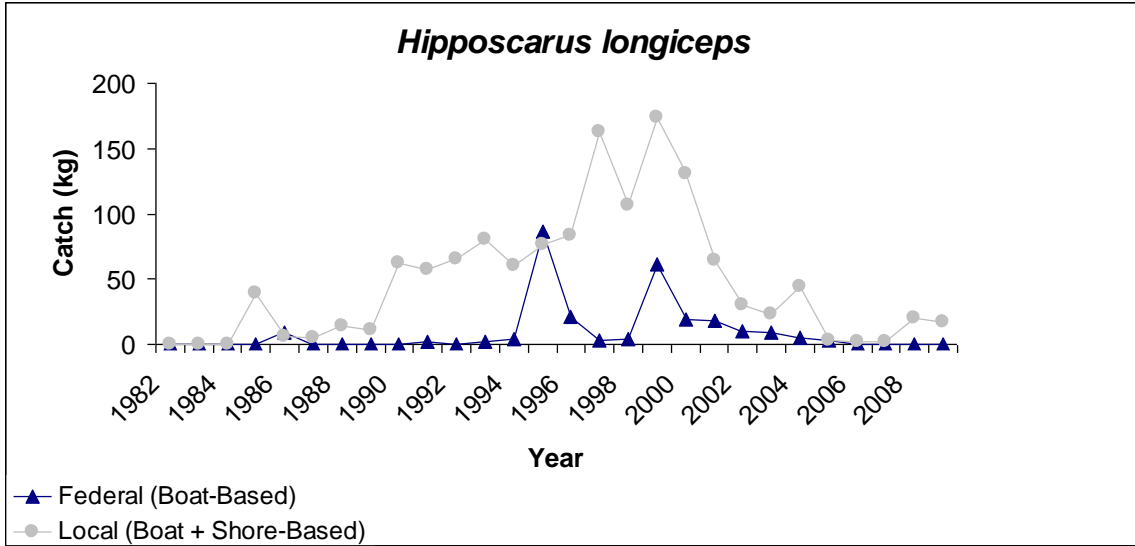
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.8	20.9
Standard Deviation	7.8	21.2
Confidence Value	2.9	7.8
Upper Bound CI	7.7	28.8
Lower Bound CI	1.9	13.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	7.3	7.0
Standard Deviation	4.8	7.4
Confidence Value	4.2	6.5
Upper Bound CI	11.5	13.5
Lower Bound CI	3.1	0.5

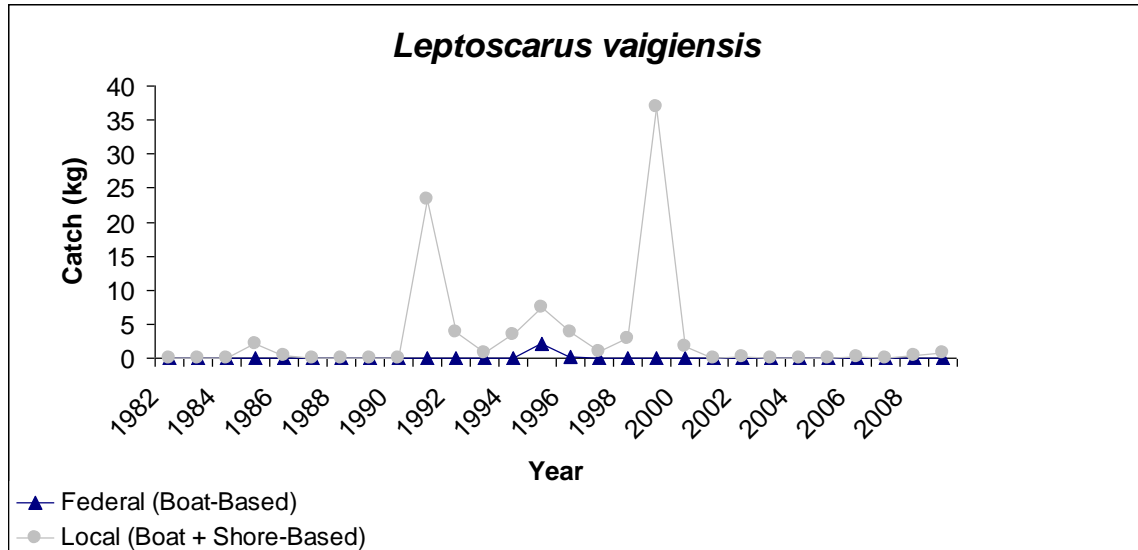
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.7	24.8
Standard Deviation	5.7	19.6
Confidence Value	2.1	7.3
Upper Bound CI	7.8	32.0
Lower Bound CI	3.6	17.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	8.9
Standard Deviation	1.3	9.1
Confidence Value	1.2	8.0
Upper Bound CI	1.8	16.8
Lower Bound CI	-0.6	0.9

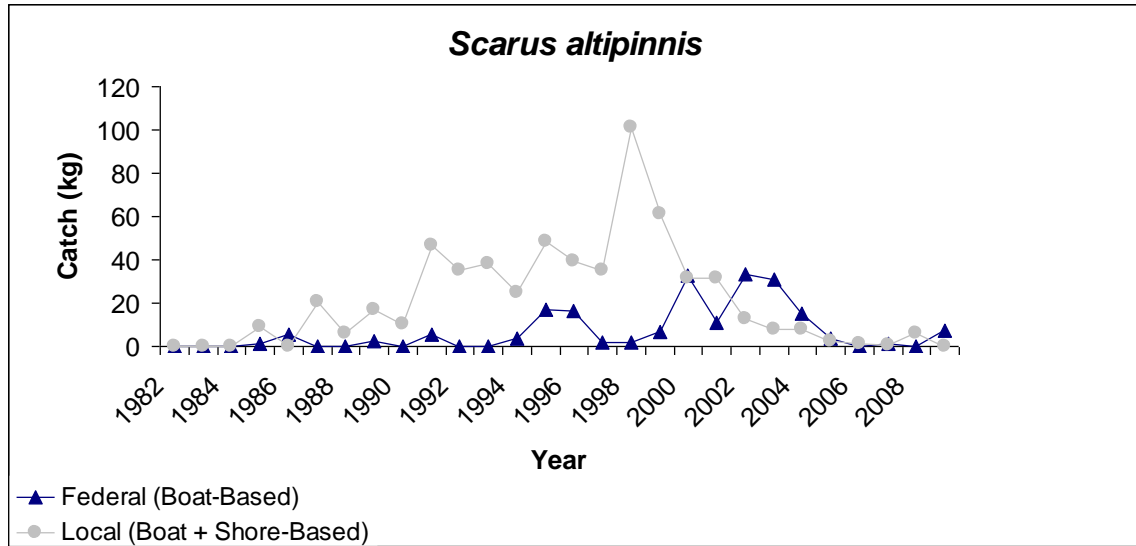
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	9.2	47.9
Standard Deviation	19.6	49.3
Confidence Value	7.3	18.3
Upper Bound CI	16.4	66.2
Lower Bound CI	1.9	29.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.3
Standard Deviation	0.0	0.3
Confidence Value	-	0.3
Upper Bound CI	-	0.6
Lower Bound CI	-	0.0

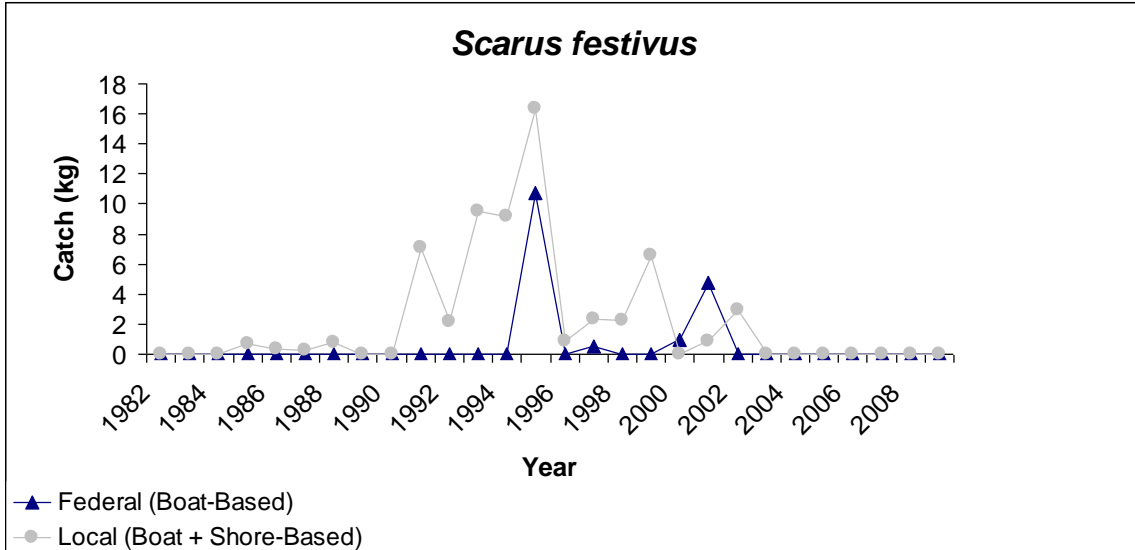
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	3.2
Standard Deviation	0.4	8.0
Confidence Value	0.1	3.0
Upper Bound CI	0.2	6.2
Lower Bound CI	-0.1	0.2





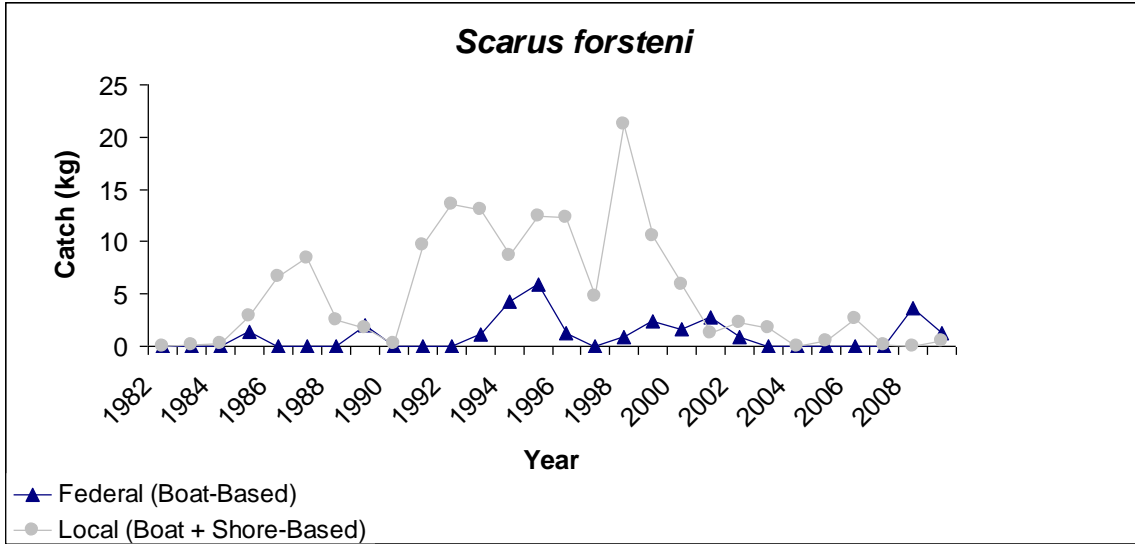
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.5	1.9
Standard Deviation	3.1	2.4
Confidence Value	2.7	2.1
Upper Bound CI	5.2	4.0
Lower Bound CI	-0.2	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	7.1	21.2
Standard Deviation	10.3	23.8
Confidence Value	3.8	8.8
Upper Bound CI	10.9	30.0
Lower Bound CI	3.2	12.4



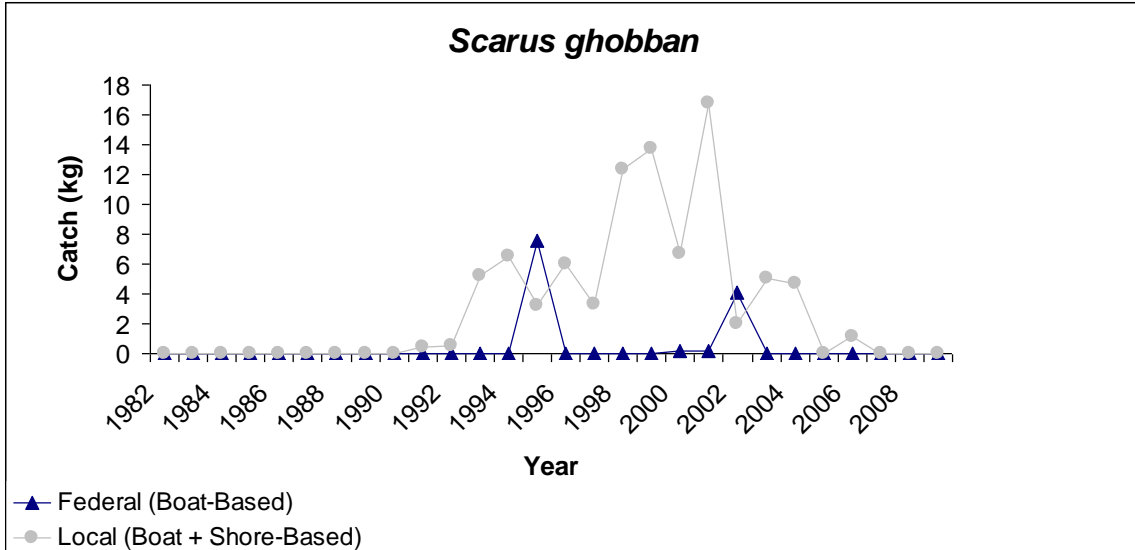
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	2.2
Standard Deviation	2.2	4.0
Confidence Value	0.8	1.5
Upper Bound CI	1.4	3.7
Lower Bound CI	-0.2	0.8



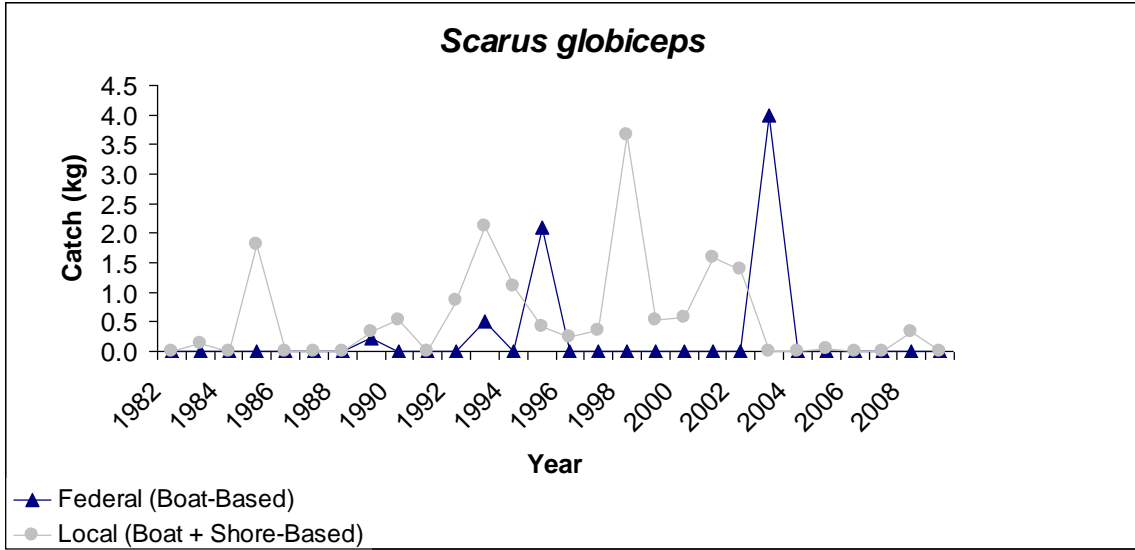
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	0.7
Standard Deviation	1.6	1.1
Confidence Value	1.4	1.0
Upper Bound CI	2.4	1.7
Lower Bound CI	-0.4	-0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	5.2
Standard Deviation	1.5	5.6
Confidence Value	0.6	2.1
Upper Bound CI	1.6	7.2
Lower Bound CI	0.5	3.1



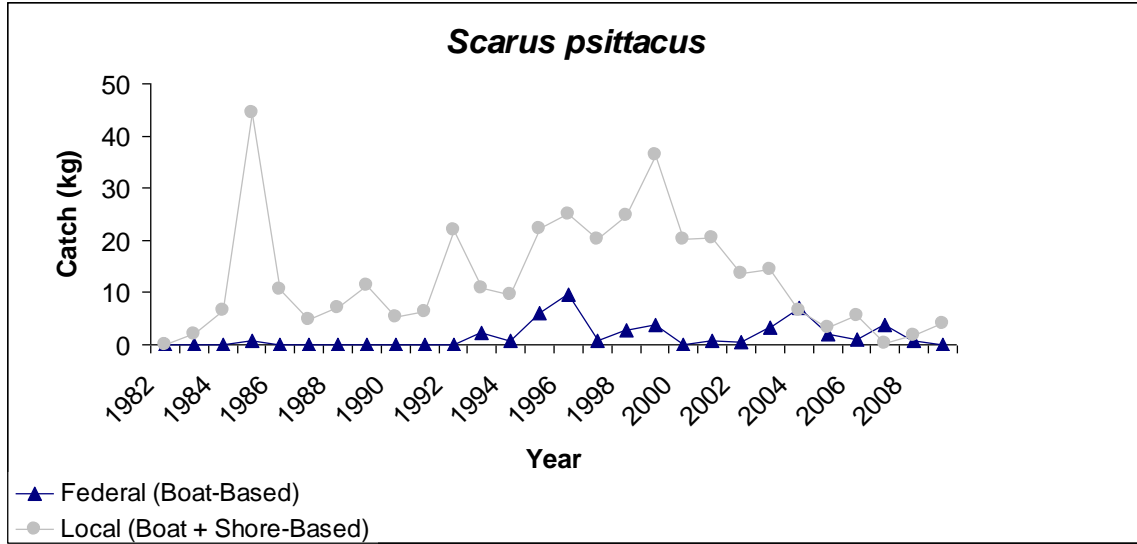
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.3
Standard Deviation	0.0	0.5
Confidence Value	-	0.4
Upper Bound CI	-	0.7
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	3.1
Standard Deviation	1.6	4.6
Confidence Value	0.6	1.7
Upper Bound CI	1.0	4.9
Lower Bound CI	-0.2	1.4



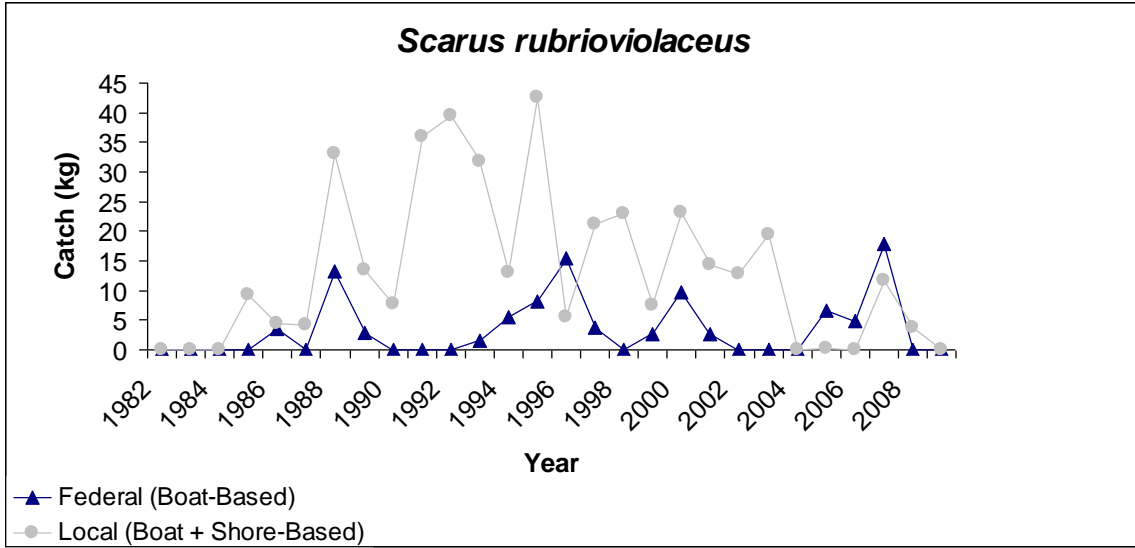
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.1
Confidence Value	-	0.1
Upper Bound CI	-	0.2
Lower Bound CI	-	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.6
Standard Deviation	0.8	0.9
Confidence Value	0.3	0.3
Upper Bound CI	0.6	0.9
Lower Bound CI	-0.1	0.3



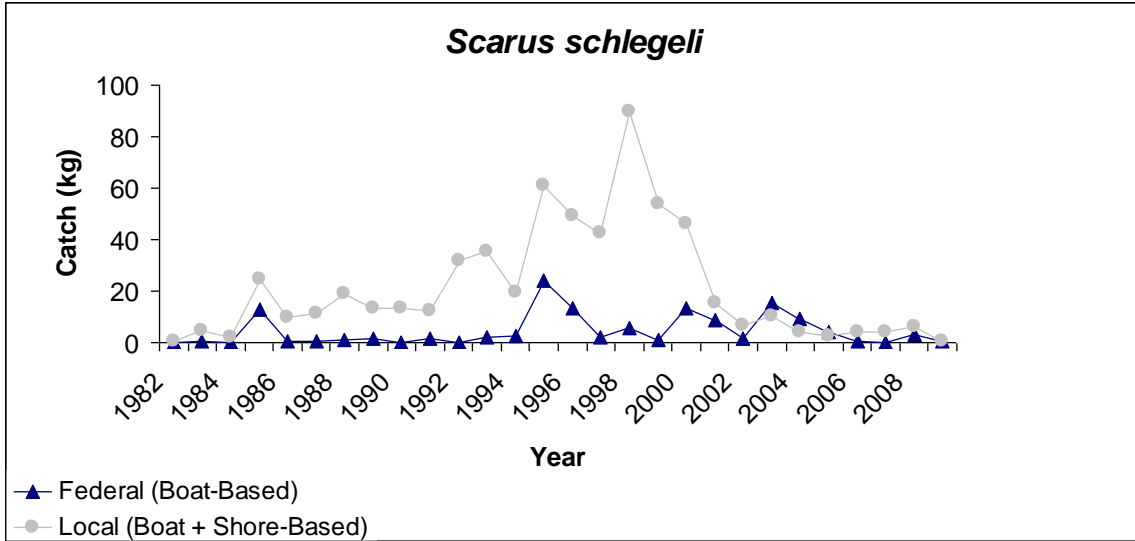
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.6	2.9
Standard Deviation	1.5	2.1
Confidence Value	1.3	1.8
Upper Bound CI	2.9	4.7
Lower Bound CI	0.2	1.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.6	12.8
Standard Deviation	2.4	11.0
Confidence Value	0.9	4.1
Upper Bound CI	2.5	16.9
Lower Bound CI	0.7	8.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.8	3.1
Standard Deviation	7.3	5.0
Confidence Value	6.4	4.4
Upper Bound CI	12.2	7.5
Lower Bound CI	-0.5	-1.3

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.5	13.5
Standard Deviation	5.1	13.2
Confidence Value	1.9	4.9
Upper Bound CI	5.4	18.4
Lower Bound CI	1.6	8.6

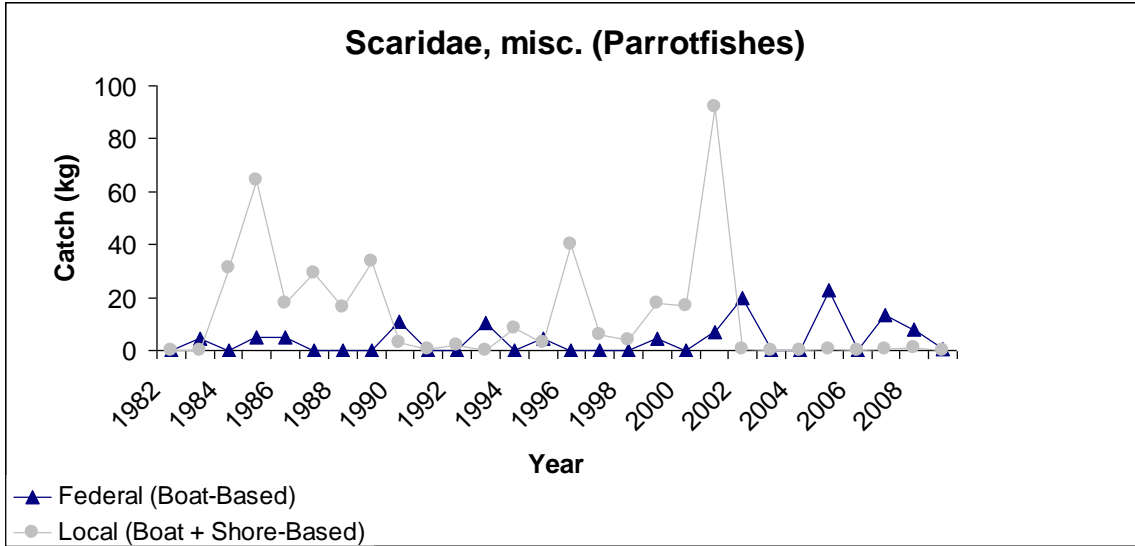


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	3.5
Standard Deviation	1.9	2.0
Confidence Value	1.6	1.8
Upper Bound CI	3.3	5.2
Lower Bound CI	0.0	1.7

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.5	21.2
Standard Deviation	6.2	22.2
Confidence Value	2.3	8.2
Upper Bound CI	6.8	29.4
Lower Bound CI	2.2	13.0

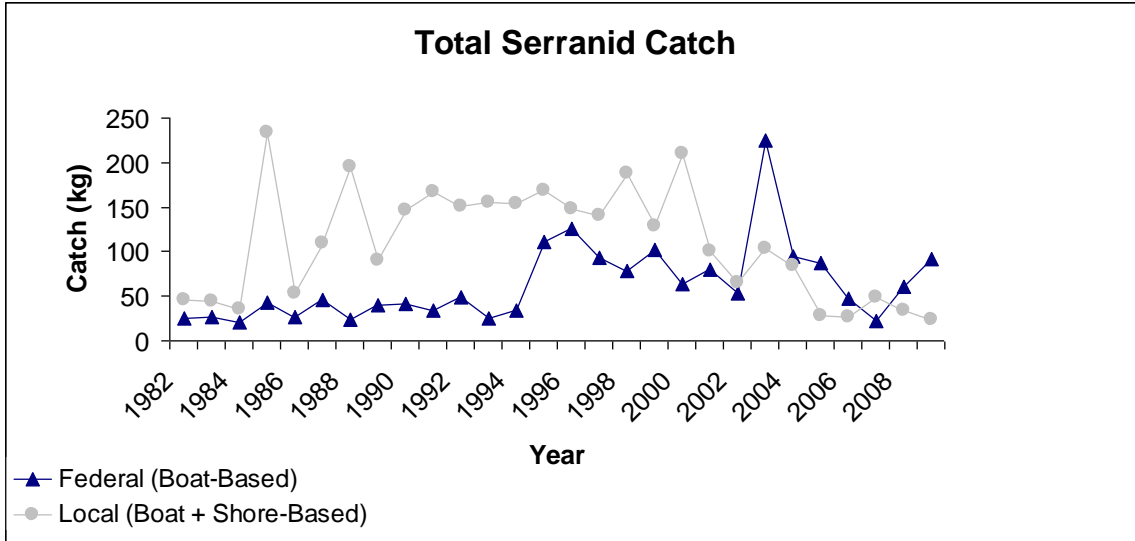




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	8.9	0.3
Standard Deviation	9.6	0.4
Confidence Value	8.4	0.3
Upper Bound CI	17.3	0.7
Lower Bound CI	0.5	0.0

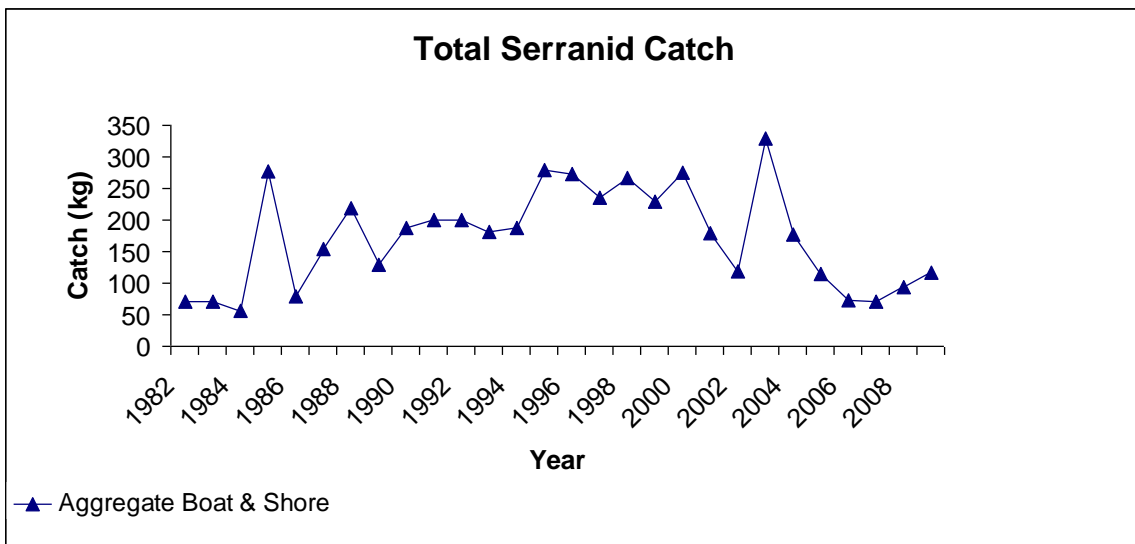
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.1	13.9
Standard Deviation	6.3	22.1
Confidence Value	2.3	8.2
Upper Bound CI	6.5	22.1
Lower Bound CI	1.8	5.7

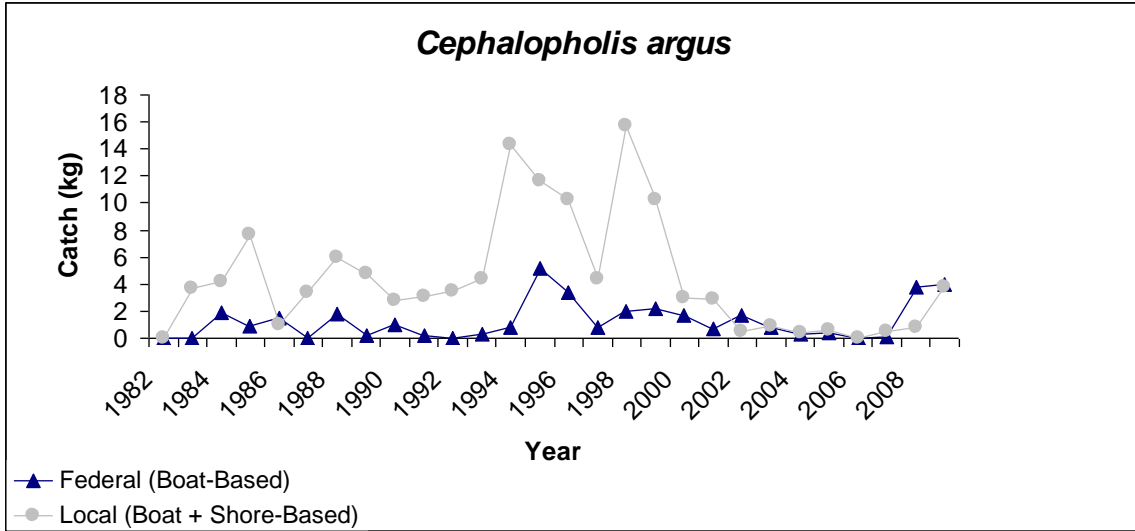
# SERRANIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	61.9	32.2
Standard Deviation	29.2	9.9
Confidence Value	25.6	8.7
Upper Bound CI	87.5	40.9
Lower Bound CI	36.3	23.5

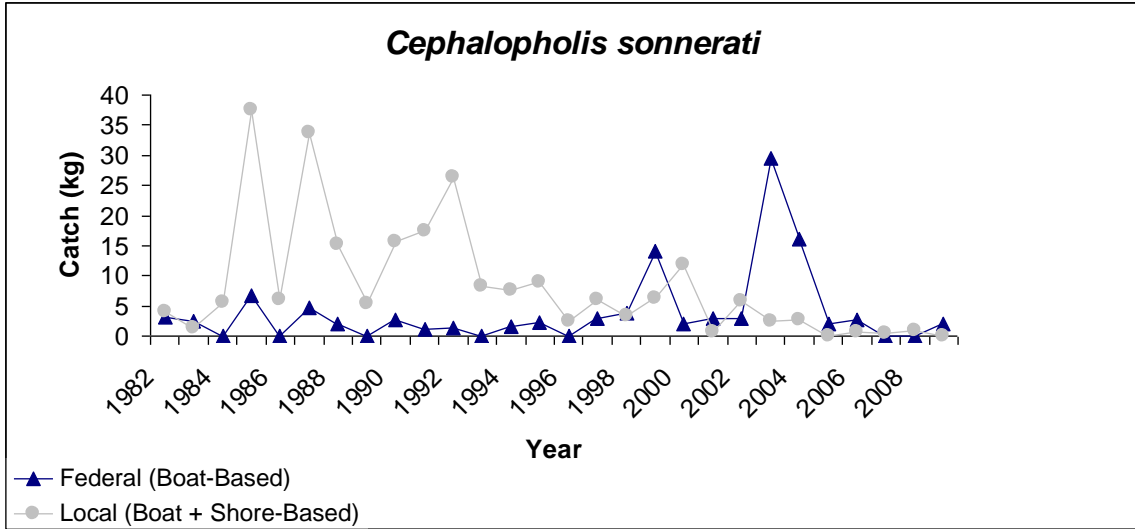
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	63.3	109.8
Standard Deviation	44.1	62.7
Confidence Value	16.3	23.2
Upper Bound CI	79.6	133.0
Lower Bound CI	47.0	86.6





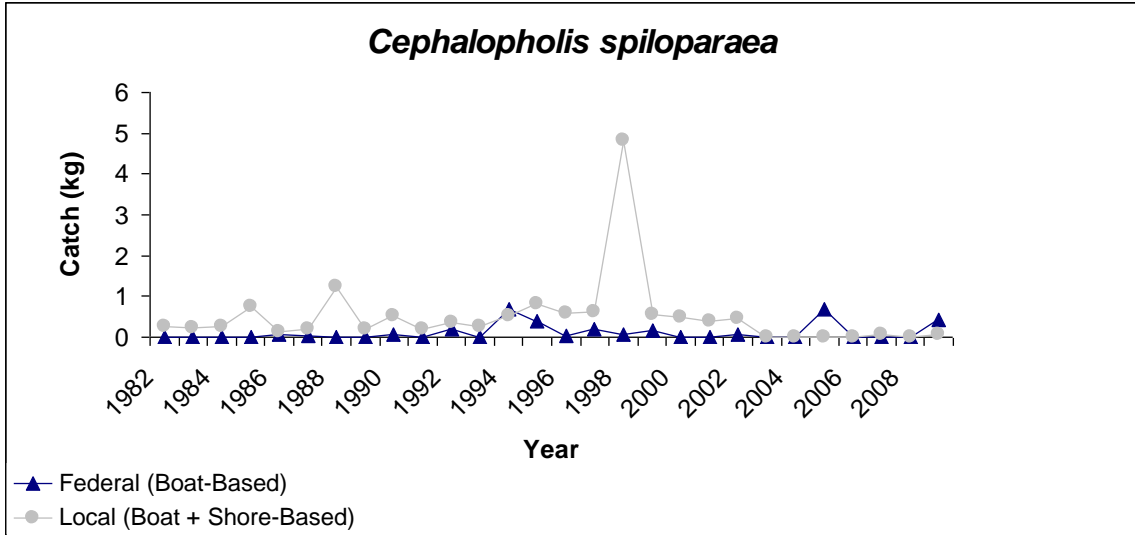
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.7	1.1
Standard Deviation	2.0	1.5
Confidence Value	1.8	1.3
Upper Bound CI	3.4	2.4
Lower Bound CI	-0.1	-0.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	4.4
Standard Deviation	1.4	4.3
Confidence Value	0.5	1.6
Upper Bound CI	1.8	6.1
Lower Bound CI	0.8	2.8



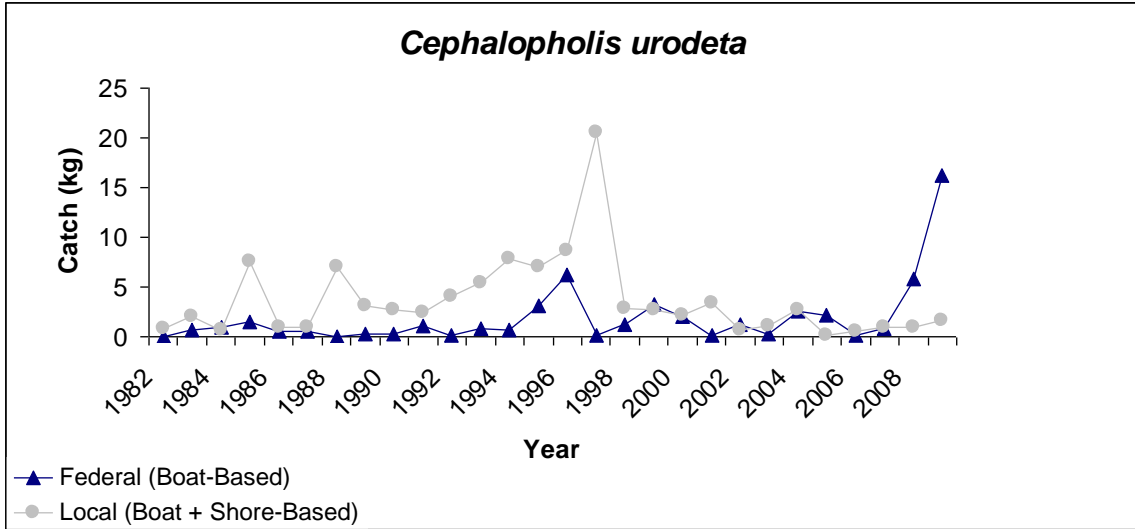
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	0.4
Standard Deviation	1.3	0.4
Confidence Value	1.1	0.4
Upper Bound CI	2.4	0.8
Lower Bound CI	0.2	0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.9	8.4
Standard Deviation	6.3	9.8
Confidence Value	2.3	3.6
Upper Bound CI	6.2	12.1
Lower Bound CI	1.6	4.8



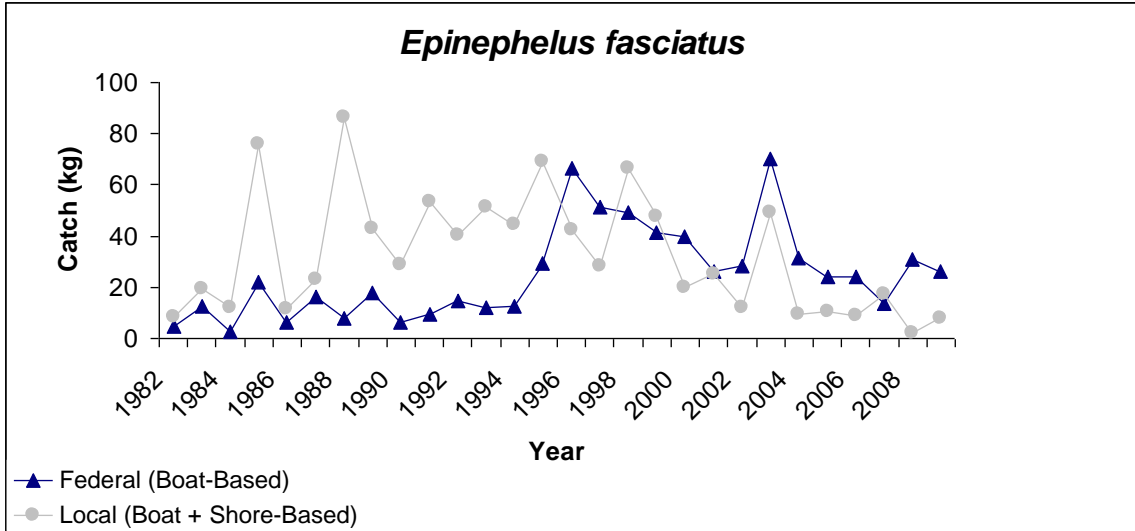
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.0
Standard Deviation	0.3	0.0
Confidence Value	0.3	0.0
Upper Bound CI	0.5	0.1
Lower Bound CI	-0.1	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.5
Standard Deviation	0.2	0.9
Confidence Value	0.1	0.3
Upper Bound CI	0.2	0.8
Lower Bound CI	0.0	0.2



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.0	0.8
Standard Deviation	6.7	0.6
Confidence Value	5.8	0.5
Upper Bound CI	10.9	1.3
Lower Bound CI	-0.8	0.3

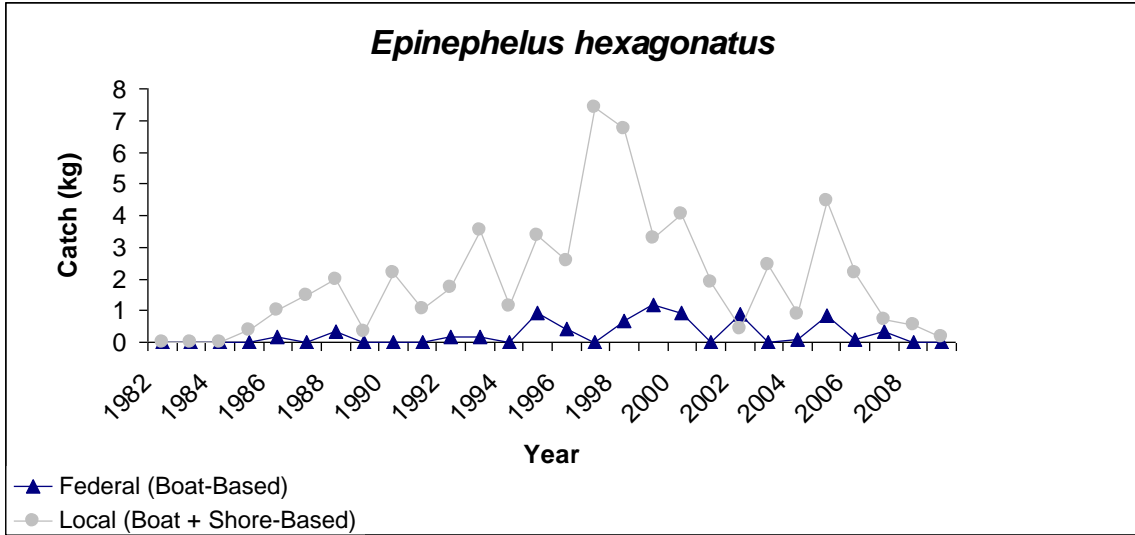
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.9	3.6
Standard Deviation	3.2	4.2
Confidence Value	1.2	1.5
Upper Bound CI	3.1	5.2
Lower Bound CI	0.7	2.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	23.8	9.3
Standard Deviation	6.3	5.4
Confidence Value	5.5	4.8
Upper Bound CI	29.3	14.0
Lower Bound CI	18.3	4.5

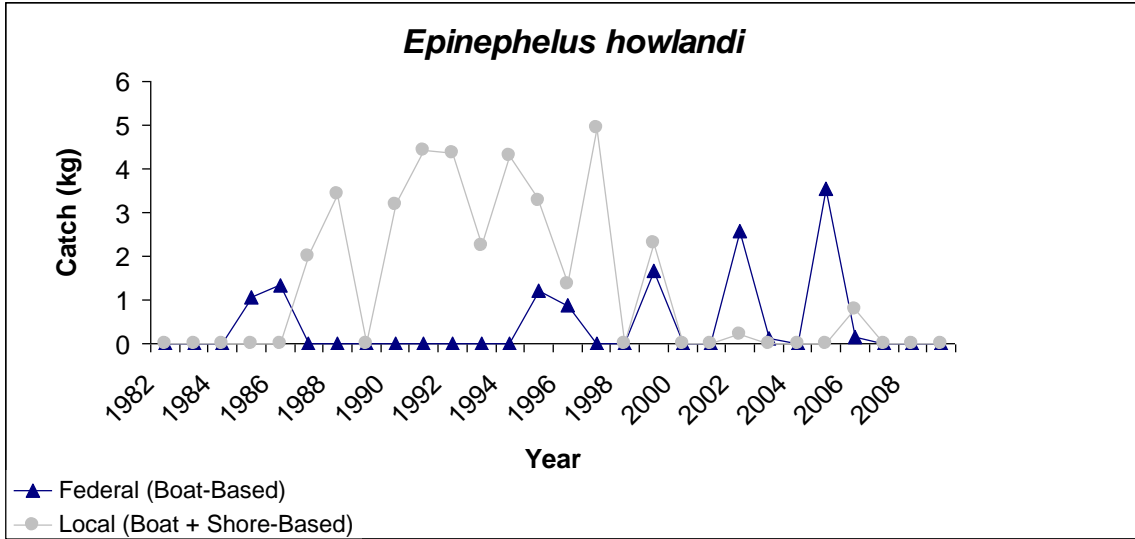
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	24.9	32.7
Standard Deviation	17.9	23.4
Confidence Value	6.6	8.7
Upper Bound CI	31.5	41.3
Lower Bound CI	18.3	24.0





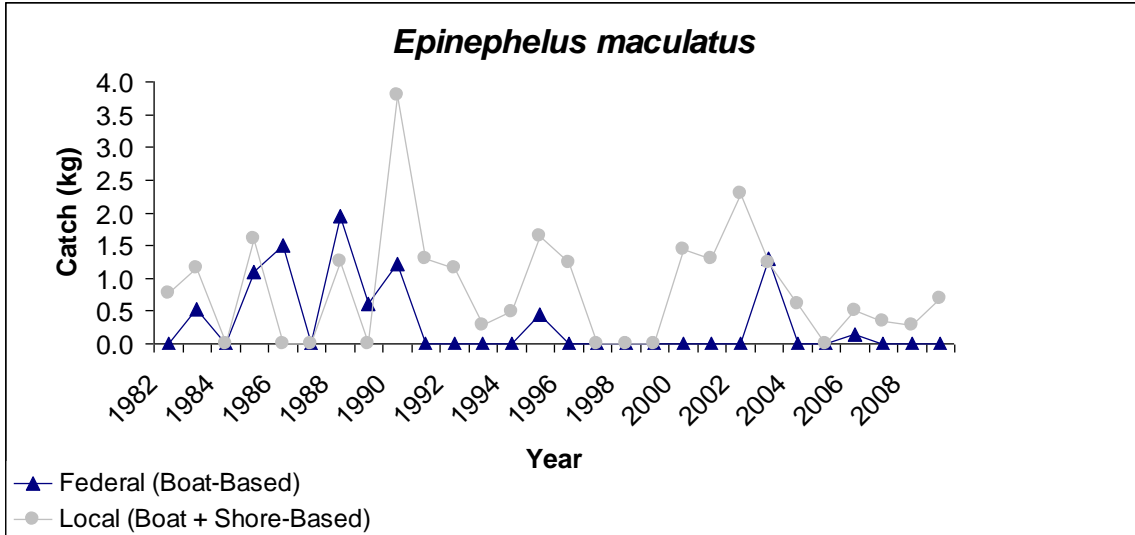
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	1.6
Standard Deviation	0.4	1.8
Confidence Value	0.3	1.5
Upper Bound CI	0.6	3.2
Lower Bound CI	-0.1	0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	2.0
Standard Deviation	0.4	1.9
Confidence Value	0.1	0.7
Upper Bound CI	0.4	2.7
Lower Bound CI	0.1	1.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.7	0.2
Standard Deviation	1.6	0.3
Confidence Value	1.4	0.3
Upper Bound CI	2.1	0.5
Lower Bound CI	-0.6	-0.1

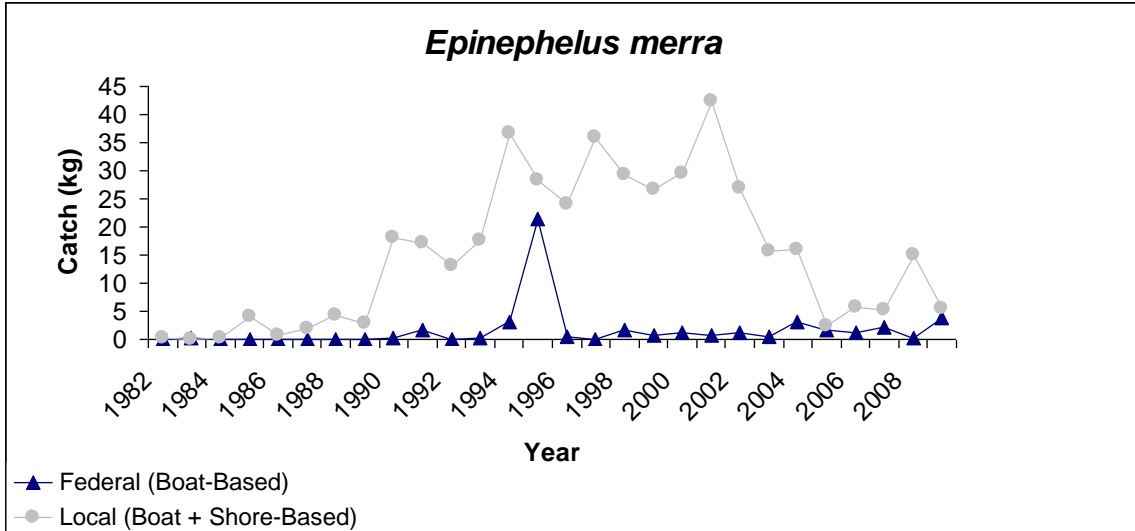
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	1.3
Standard Deviation	0.9	1.7
Confidence Value	0.3	0.6
Upper Bound CI	0.8	2.0
Lower Bound CI	0.1	0.7



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.4
Standard Deviation	0.1	0.3
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.6
Lower Bound CI	0.0	0.1

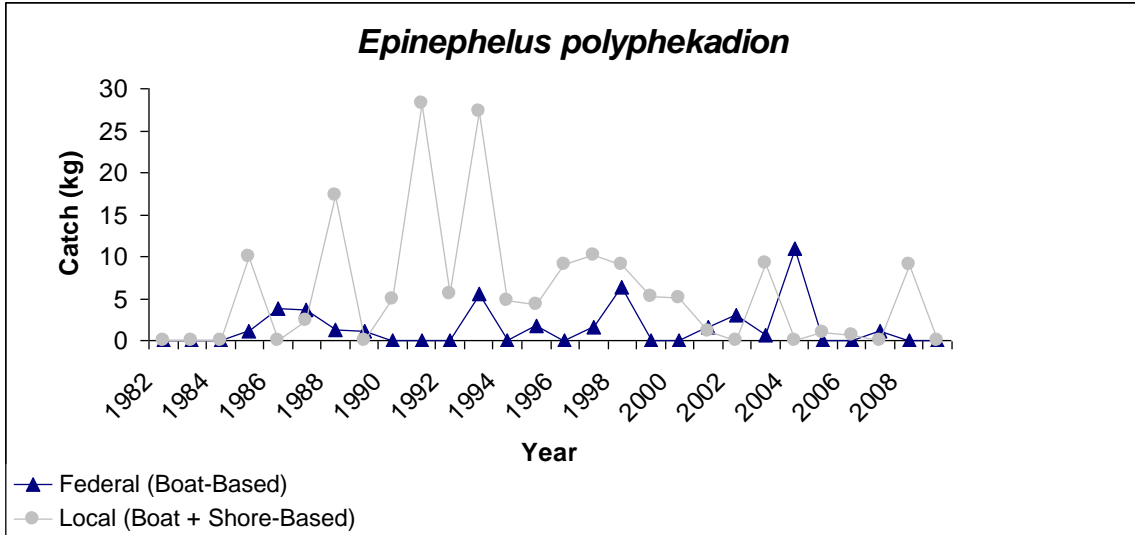
  

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.3	0.8
Standard Deviation	0.6	0.9
Confidence Value	0.2	0.3
Upper Bound CI	0.5	1.2
Lower Bound CI	0.1	0.5



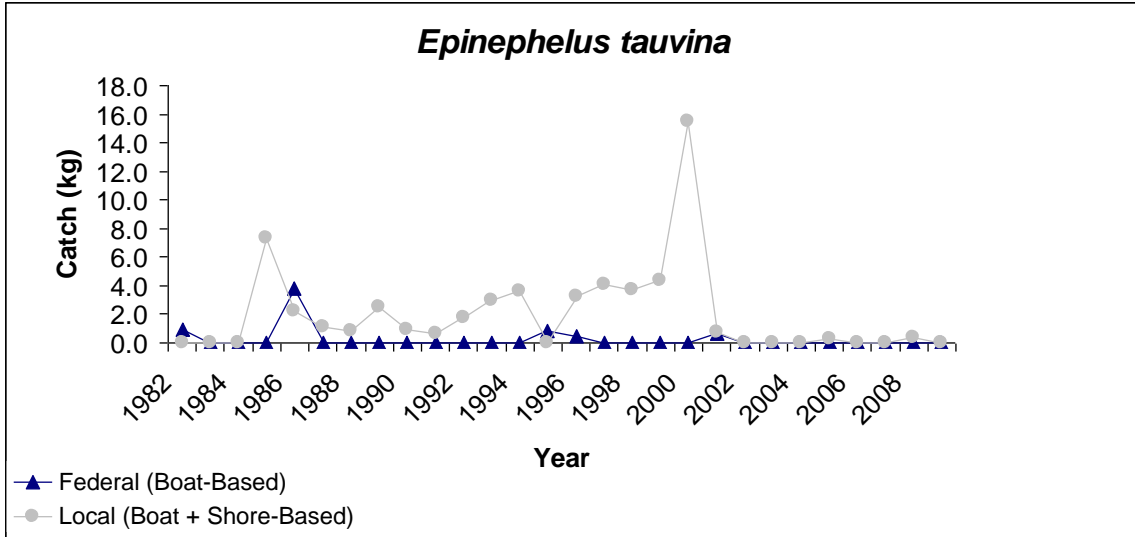
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.8	6.8
Standard Deviation	1.3	4.8
Confidence Value	1.2	4.2
Upper Bound CI	2.9	11.0
Lower Bound CI	0.6	2.6

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.6	15.2
Standard Deviation	4.0	12.9
Confidence Value	1.5	4.8
Upper Bound CI	3.1	20.0
Lower Bound CI	0.1	10.4



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	2.2
Standard Deviation	0.5	3.9
Confidence Value	0.4	3.4
Upper Bound CI	0.6	5.6
Lower Bound CI	-0.2	-1.3

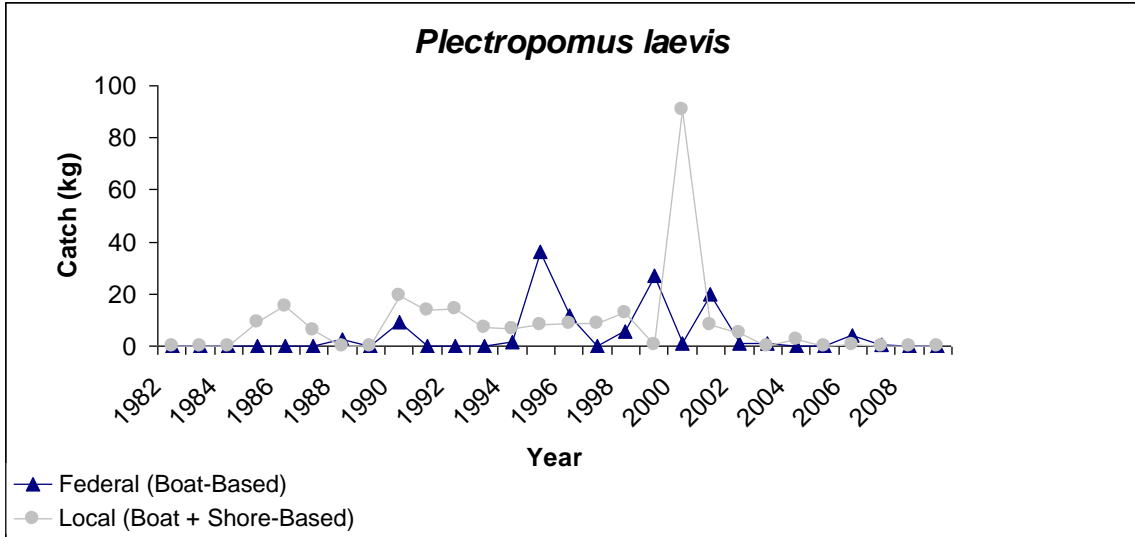
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.5	5.9
Standard Deviation	2.5	7.6
Confidence Value	0.9	2.8
Upper Bound CI	2.5	8.7
Lower Bound CI	0.6	3.1



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.0	0.2
Confidence Value	-	0.1
Upper Bound CI	-	0.3
Lower Bound CI	-	0.0

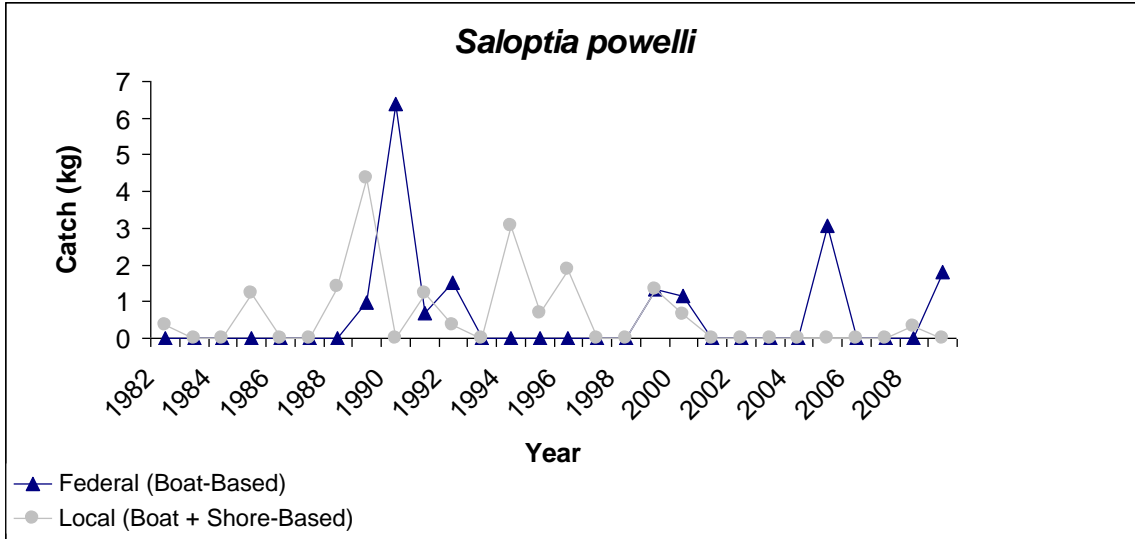
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	2.0
Standard Deviation	0.7	3.2
Confidence Value	0.3	1.2
Upper Bound CI	0.5	3.2
Lower Bound CI	0.0	0.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.9	0.1
Standard Deviation	1.7	0.1
Confidence Value	1.5	0.1
Upper Bound CI	2.3	0.2
Lower Bound CI	-0.6	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	4.3	8.5
Standard Deviation	9.0	17.2
Confidence Value	3.3	6.4
Upper Bound CI	7.6	14.9
Lower Bound CI	1.0	2.2

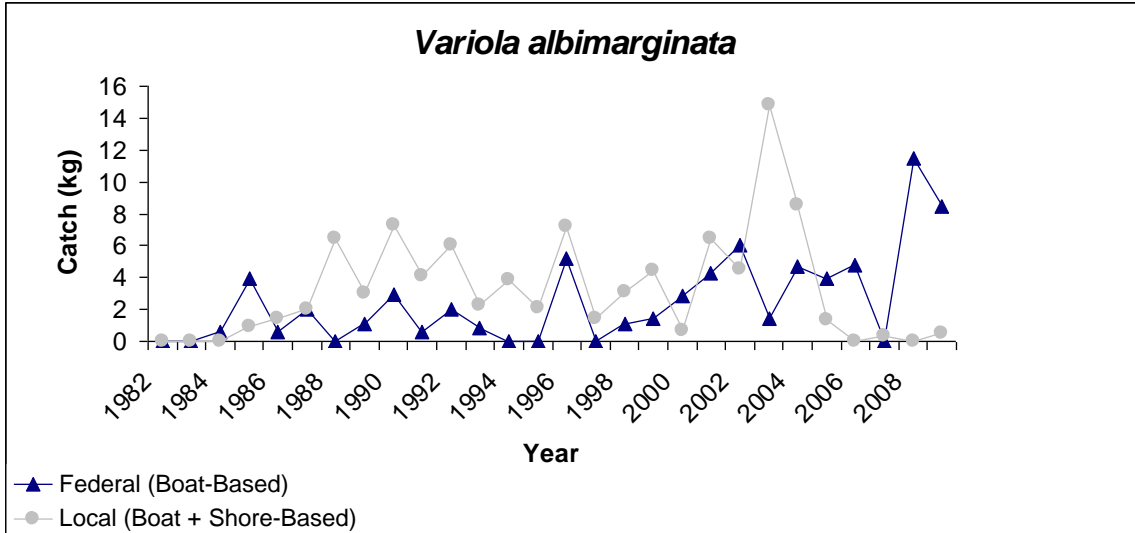


Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	0.1
Standard Deviation	1.4	0.1
Confidence Value	1.2	0.1
Upper Bound CI	2.2	0.2
Lower Bound CI	-0.3	-0.1

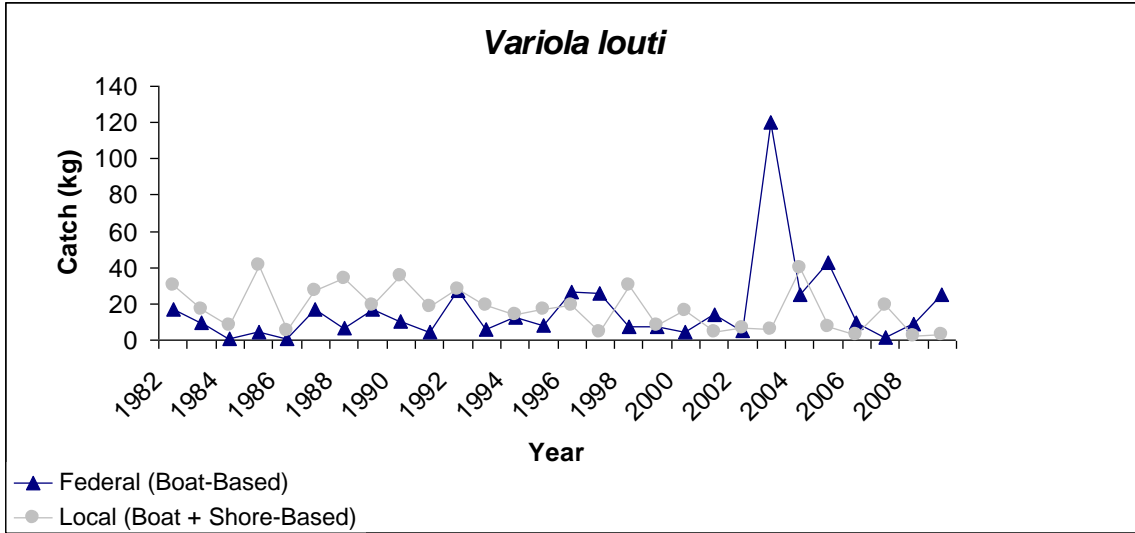
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.6	0.6
Standard Deviation	1.4	1.0
Confidence Value	0.5	0.4
Upper Bound CI	1.1	1.0
Lower Bound CI	0.1	0.2





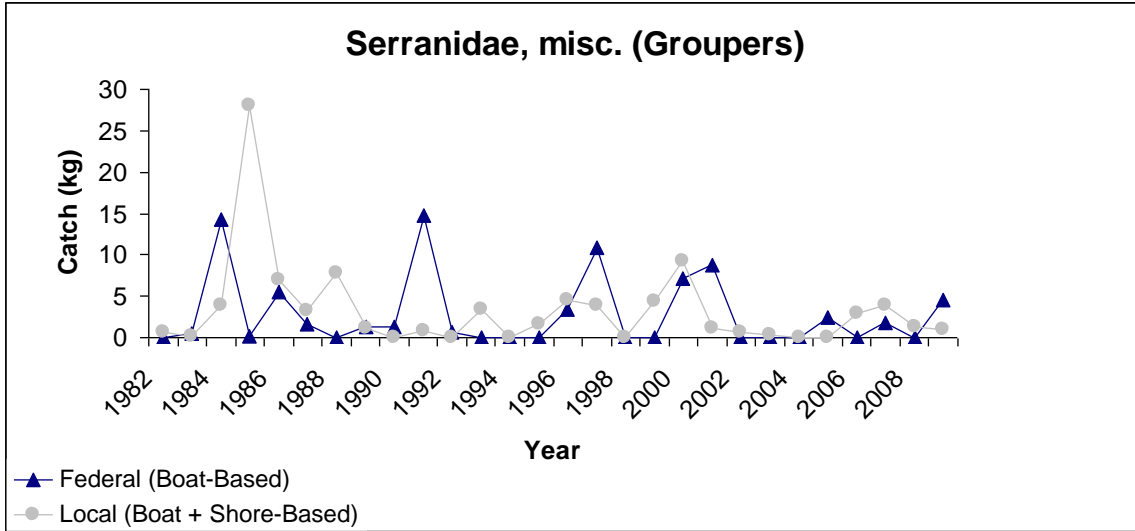
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	5.7	0.4
Standard Deviation	4.4	0.5
Confidence Value	3.9	0.5
Upper Bound CI	9.6	0.9
Lower Bound CI	1.9	0.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.5	3.3
Standard Deviation	2.8	3.4
Confidence Value	1.0	1.3
Upper Bound CI	3.6	4.6
Lower Bound CI	1.5	2.0



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	17.6	6.9
Standard Deviation	16.3	7.1
Confidence Value	14.3	6.2
Upper Bound CI	31.9	13.1
Lower Bound CI	3.3	0.7

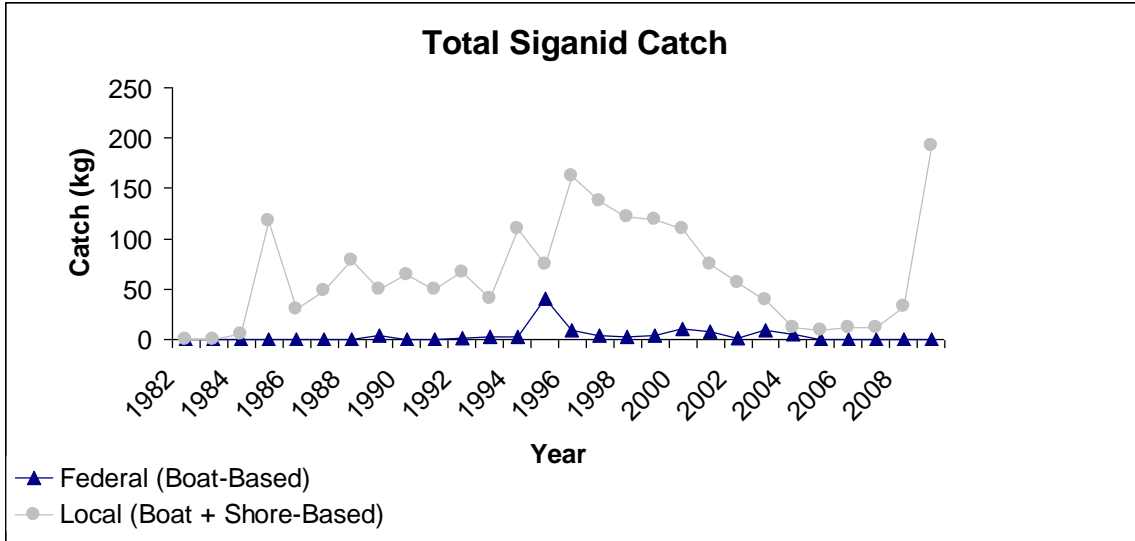
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	16.6	17.2
Standard Deviation	22.6	12.0
Confidence Value	8.4	4.5
Upper Bound CI	25.0	21.7
Lower Bound CI	8.2	12.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.8	1.8
Standard Deviation	1.9	1.5
Confidence Value	1.7	1.3
Upper Bound CI	3.4	3.2
Lower Bound CI	0.1	0.5

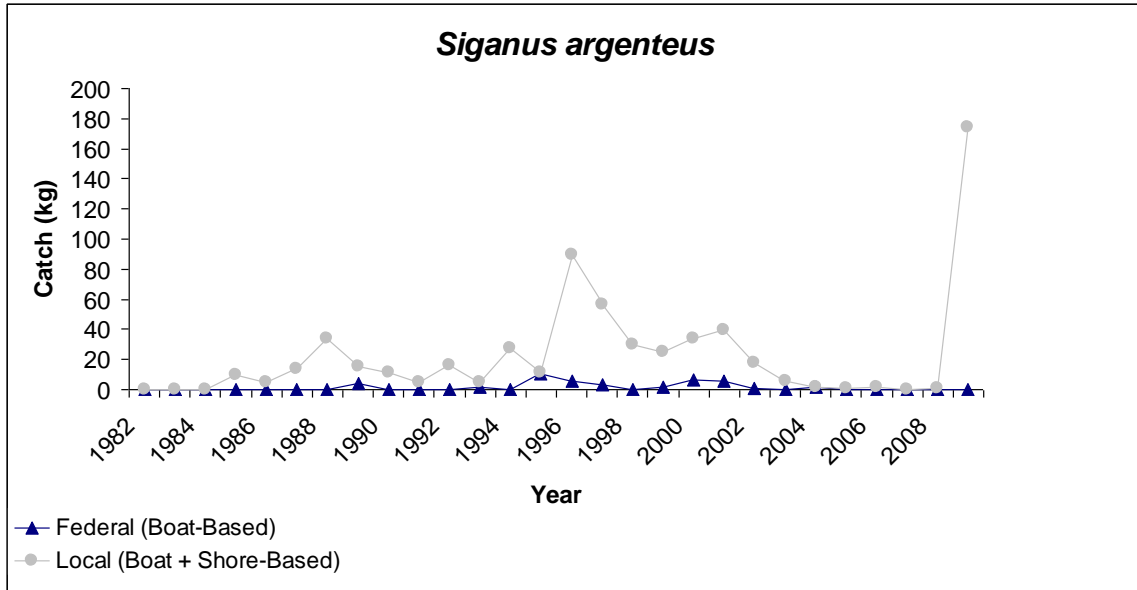
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	2.8	3.3
Standard Deviation	4.4	5.5
Confidence Value	1.6	2.0
Upper Bound CI	4.5	5.3
Lower Bound CI	1.2	1.2

# SIGANIDAE



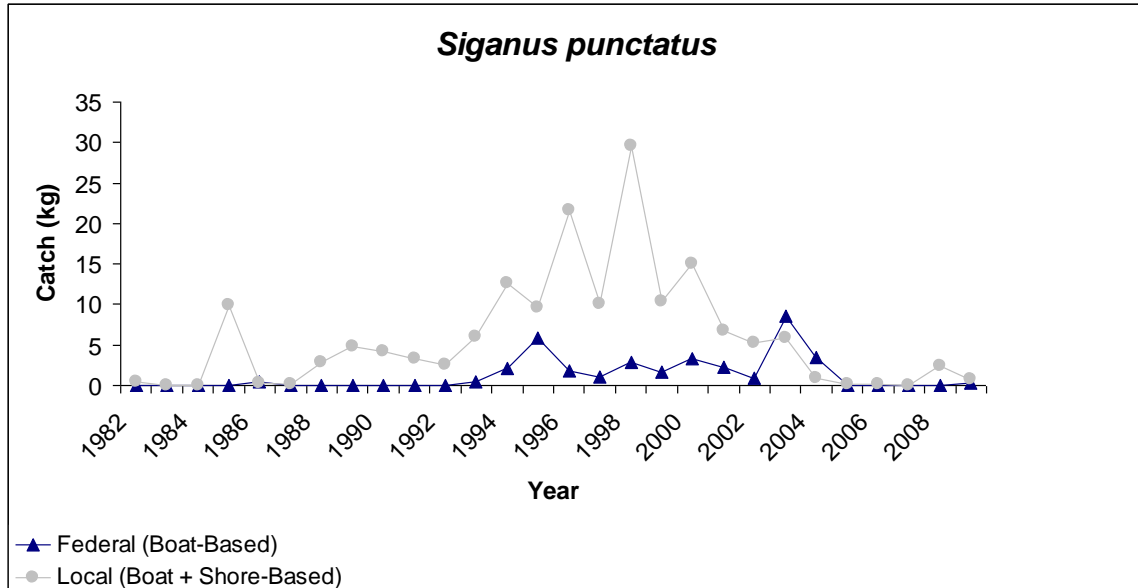
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	51.6
Standard Deviation	0.2	79.5
Confidence Value	0.1	69.7
Upper Bound CI	0.2	121.3
Lower Bound CI	0.0	-18.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	3.8	65.3
Standard Deviation	7.9	51.7
Confidence Value	2.9	19.2
Upper Bound CI	6.7	84.4
Lower Bound CI	0.9	46.1



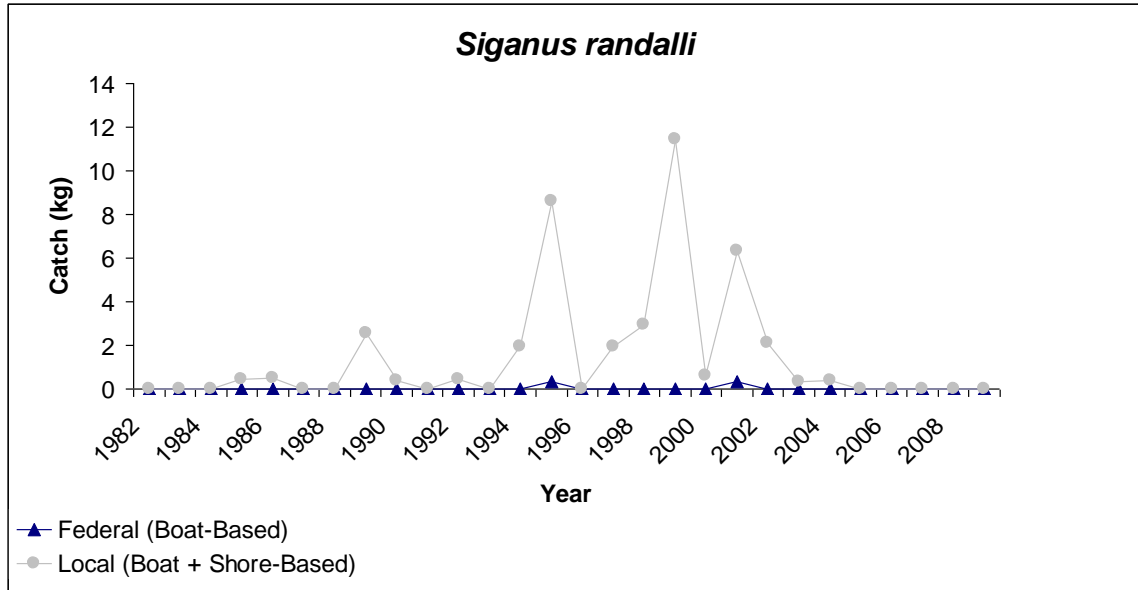
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	35.3
Standard Deviation	0.1	77.5
Confidence Value	0.0	67.9
Upper Bound CI	0.1	103.2
Lower Bound CI	0.0	-32.6

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.5	22.5
Standard Deviation	2.7	36.0
Confidence Value	1.0	13.3
Upper Bound CI	2.5	35.8
Lower Bound CI	0.5	9.2



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.1	0.7
Standard Deviation	0.2	1.0
Confidence Value	0.1	0.9
Upper Bound CI	0.2	1.5
Lower Bound CI	-0.1	-0.2

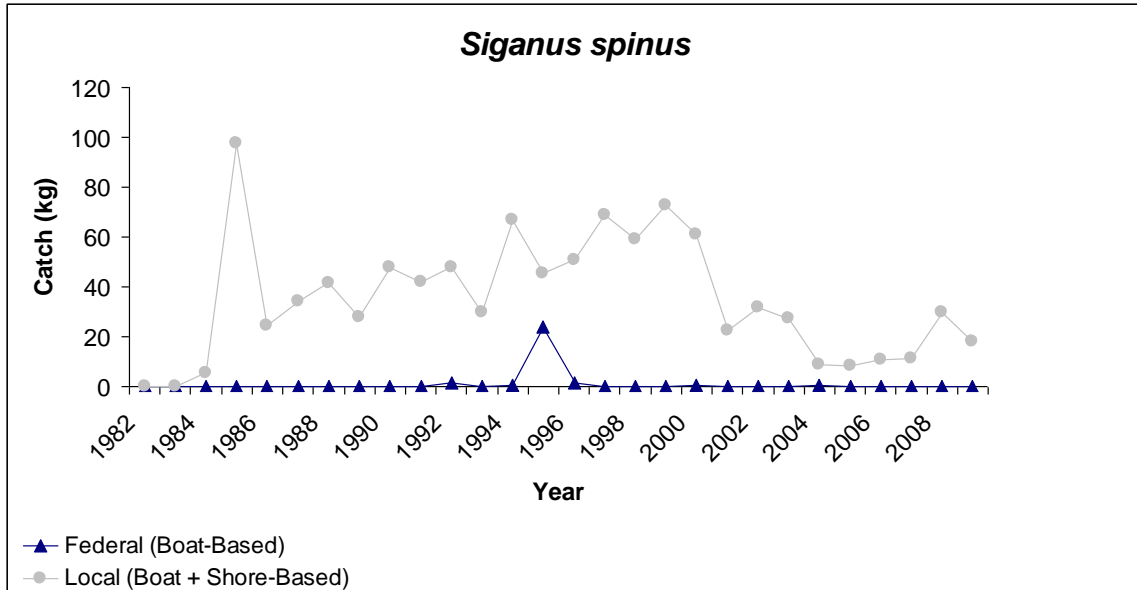
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.3	5.9
Standard Deviation	2.0	7.1
Confidence Value	0.8	2.6
Upper Bound CI	2.0	8.6
Lower Bound CI	0.5	3.3



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.0
Standard Deviation	0.0	0.0
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	1.5
Standard Deviation	0.1	2.8
Confidence Value	0.0	1.0
Upper Bound CI	0.1	2.5
Lower Bound CI	0.0	0.4

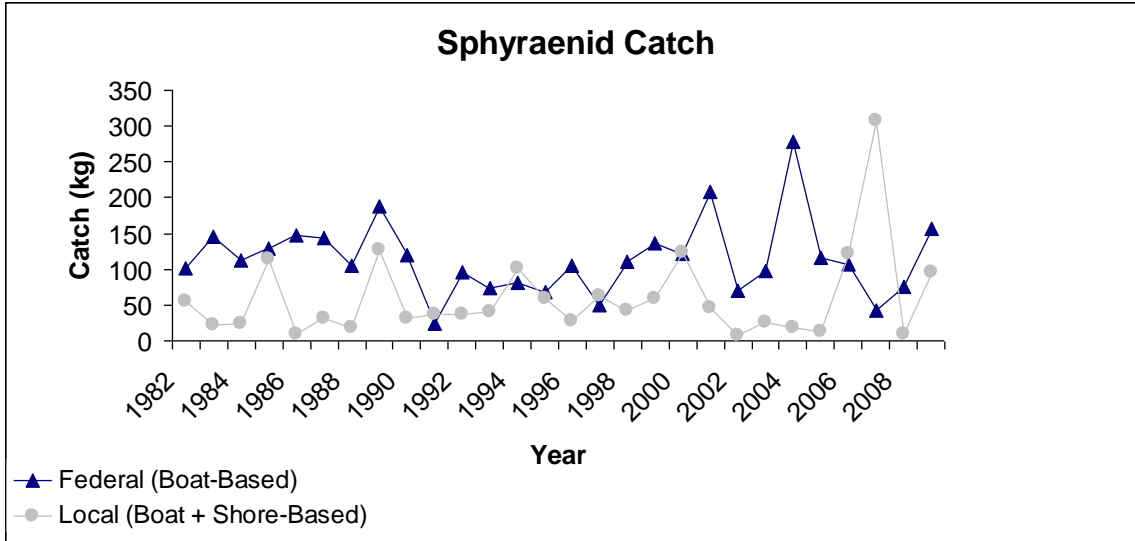




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	15.7
Standard Deviation	0.0	8.6
Confidence Value	-	7.6
Upper Bound CI	-	23.2
Lower Bound CI	-	8.1

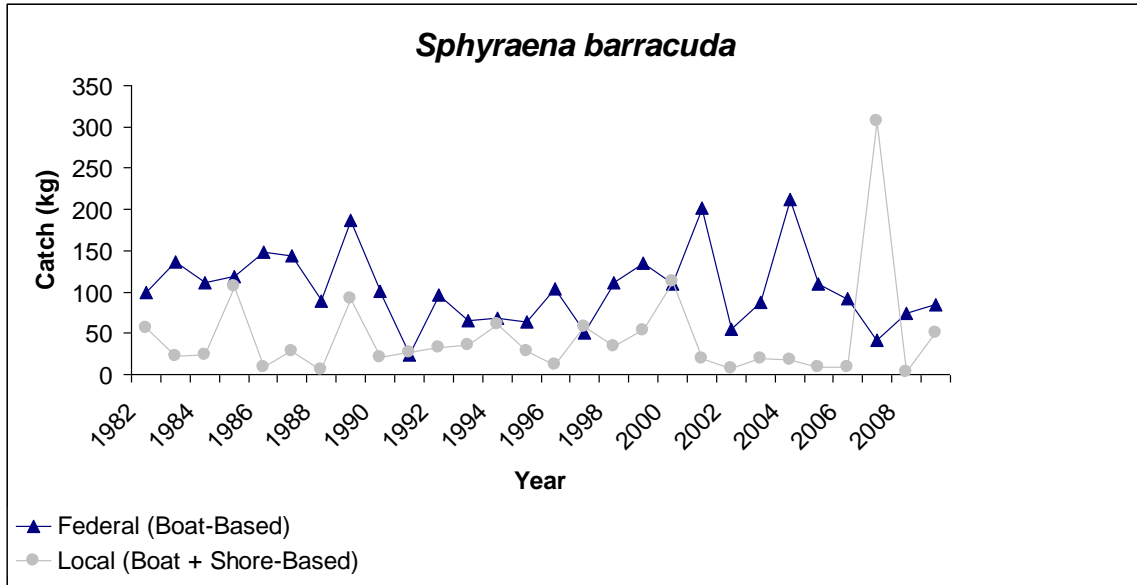
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	1.0	35.4
Standard Deviation	4.5	24.4
Confidence Value	1.7	9.1
Upper Bound CI	2.7	44.5
Lower Bound CI	-0.6	26.4

# SPHYRAENIDAE



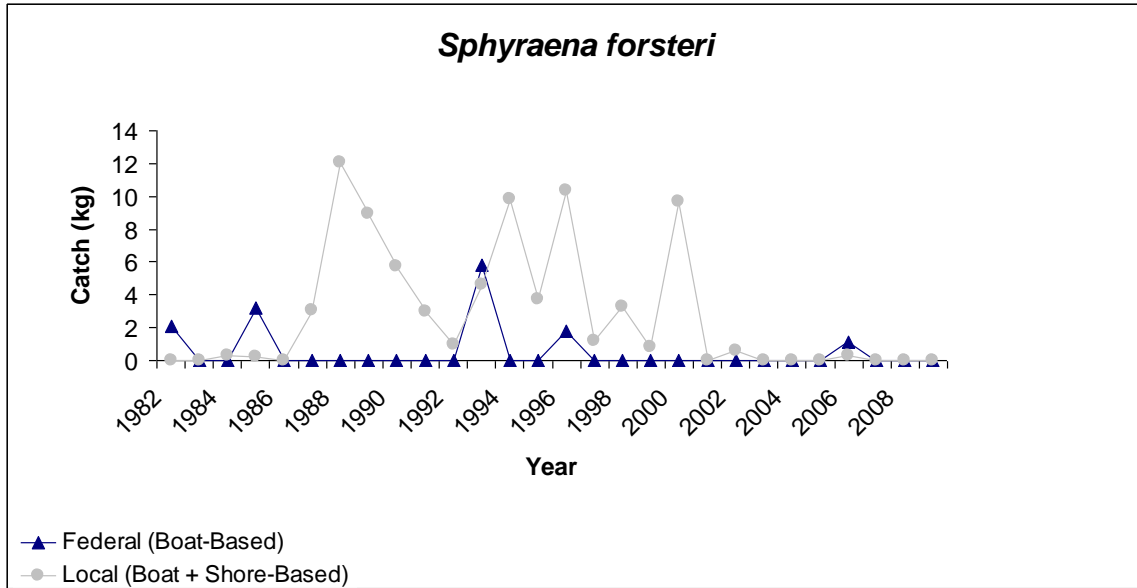
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	99.7	109.2
Standard Deviation	43.6	121.4
Confidence Value	38.2	106.4
Upper Bound CI	137.9	215.7
Lower Bound CI	61.5	2.8

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	114.9	59.5
Standard Deviation	52.2	61.4
Confidence Value	19.3	22.7
Upper Bound CI	134.2	82.2
Lower Bound CI	95.6	36.8



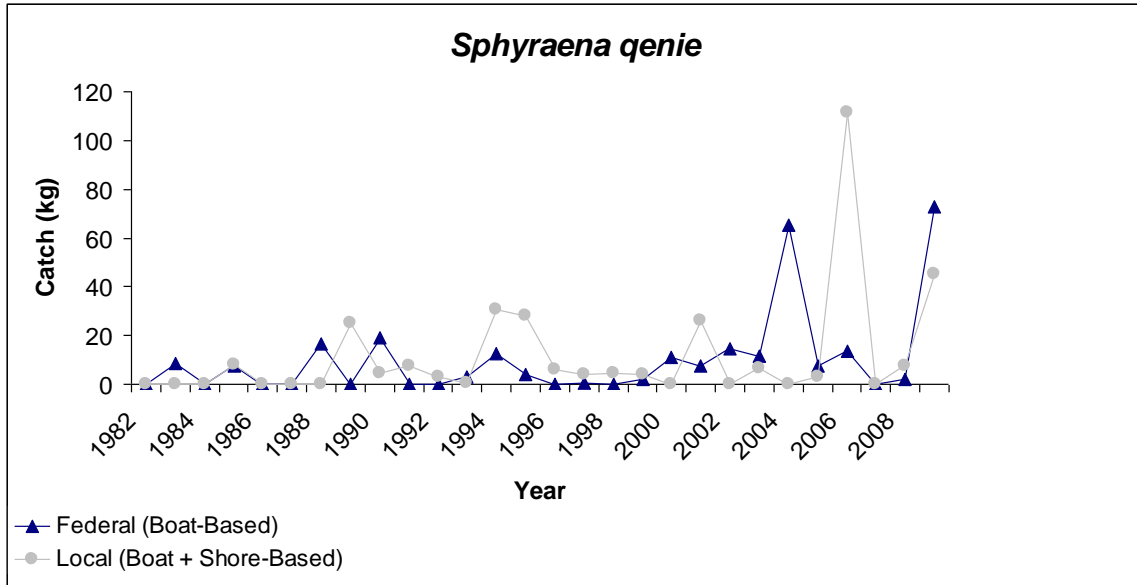
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	80.3	75.7
Standard Deviation	25.1	131.0
Confidence Value	22.0	114.9
Upper Bound CI	102.3	190.6
Lower Bound CI	58.4	-39.2

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	104.4	45.0
Standard Deviation	45.6	59.3
Confidence Value	16.9	22.0
Upper Bound CI	121.3	67.0
Lower Bound CI	87.5	23.0



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.1
Standard Deviation	0.5	0.1
Confidence Value	0.4	0.1
Upper Bound CI	0.7	0.2
Lower Bound CI	-0.2	-0.1

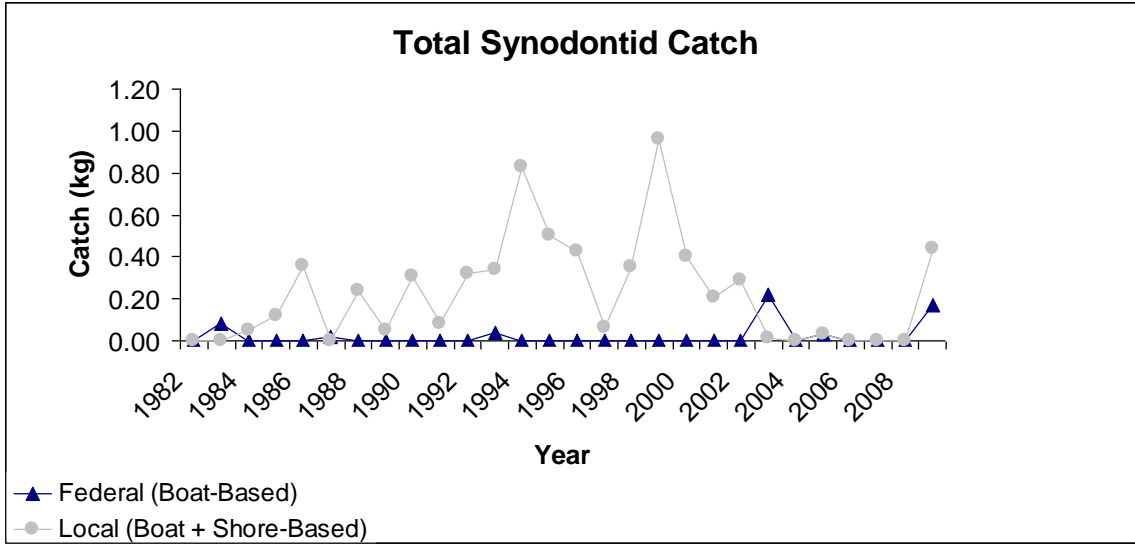
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.5	2.8
Standard Deviation	1.3	3.9
Confidence Value	0.5	1.4
Upper Bound CI	1.0	4.2
Lower Bound CI	0.0	1.4



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	19.1	33.5
Standard Deviation	30.4	47.3
Confidence Value	26.6	41.5
Upper Bound CI	45.8	74.9
Lower Bound CI	-7.5	-8.0

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	10.0	11.7
Standard Deviation	17.7	22.8
Confidence Value	6.6	8.5
Upper Bound CI	16.6	20.1
Lower Bound CI	3.4	3.2

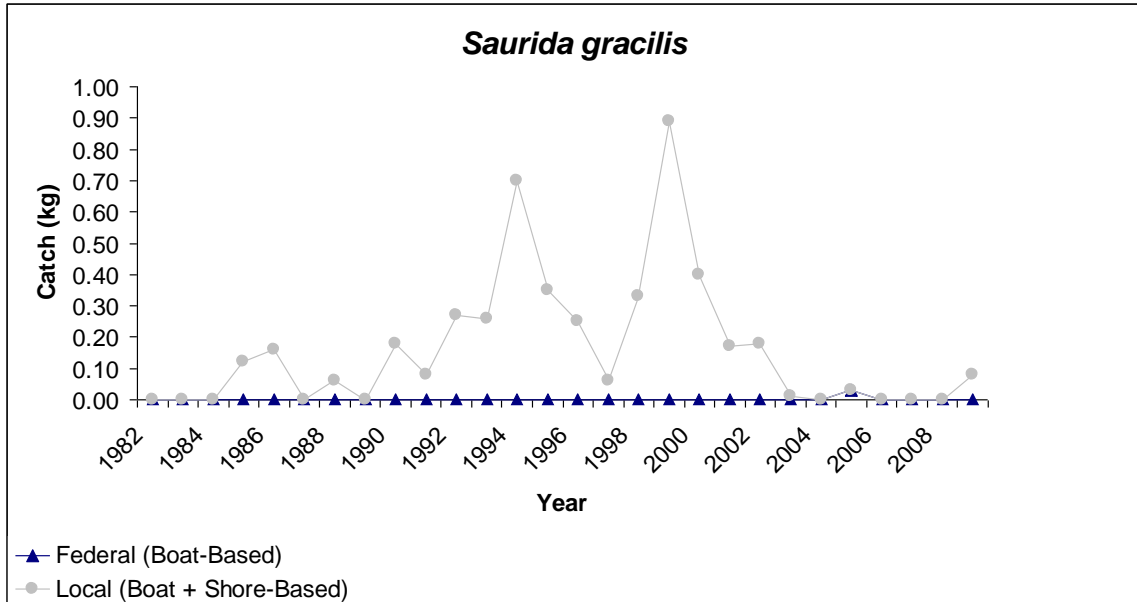
# SYNODONTIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.1	0.2
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.3
Lower Bound CI	0.0	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.1	0.3
Confidence Value	0.0	0.1
Upper Bound CI	0.0	0.3
Lower Bound CI	0.0	0.1

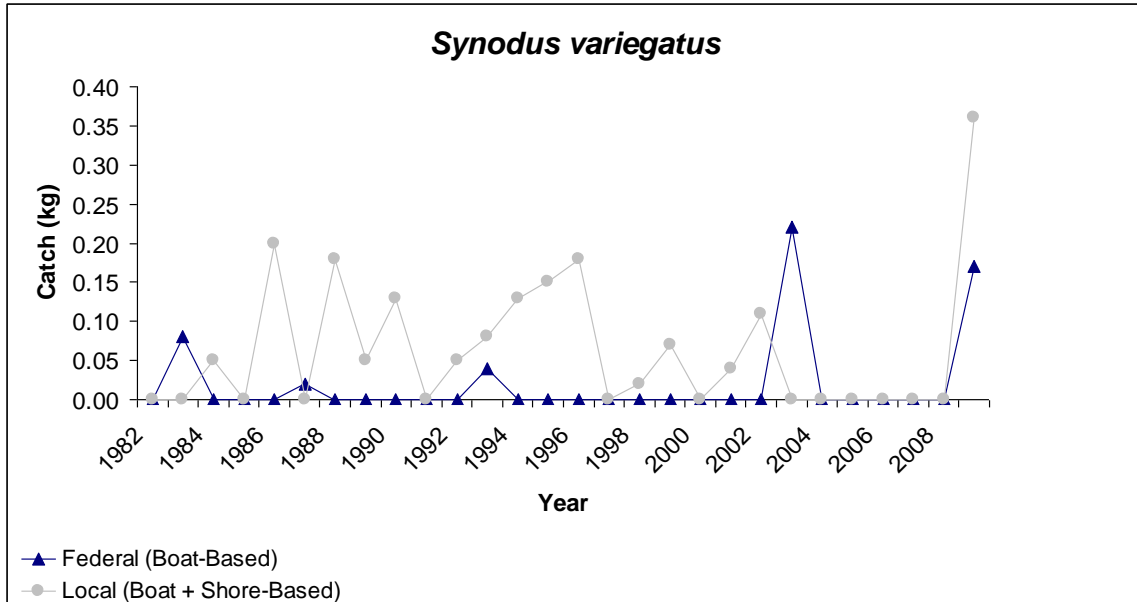




Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.01	0.02
Standard Deviation	0.01	0.03
Confidence Value	0.01	0.03
Upper Bound CI	0.02	0.05
Lower Bound CI	-0.01	-0.01

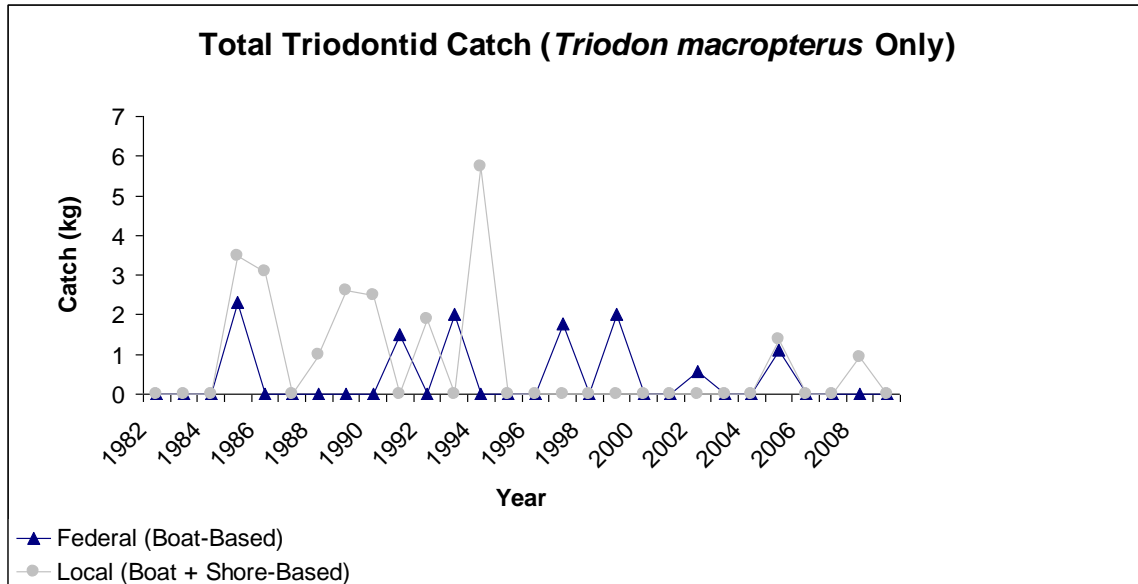
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.00	0.16
Standard Deviation	0.01	0.22
Confidence Value	0.00	0.08
Upper Bound CI	0.00	0.24
Lower Bound CI	0.00	0.08



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.1
Standard Deviation	0.1	0.2
Confidence Value	0.1	0.2
Upper Bound CI	0.1	0.3
Lower Bound CI	0.0	-0.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.0	0.2
Standard Deviation	0.1	0.3
Confidence Value	0.0	0.1
Upper Bound CI	0.0	0.3
Lower Bound CI	0.0	0.1

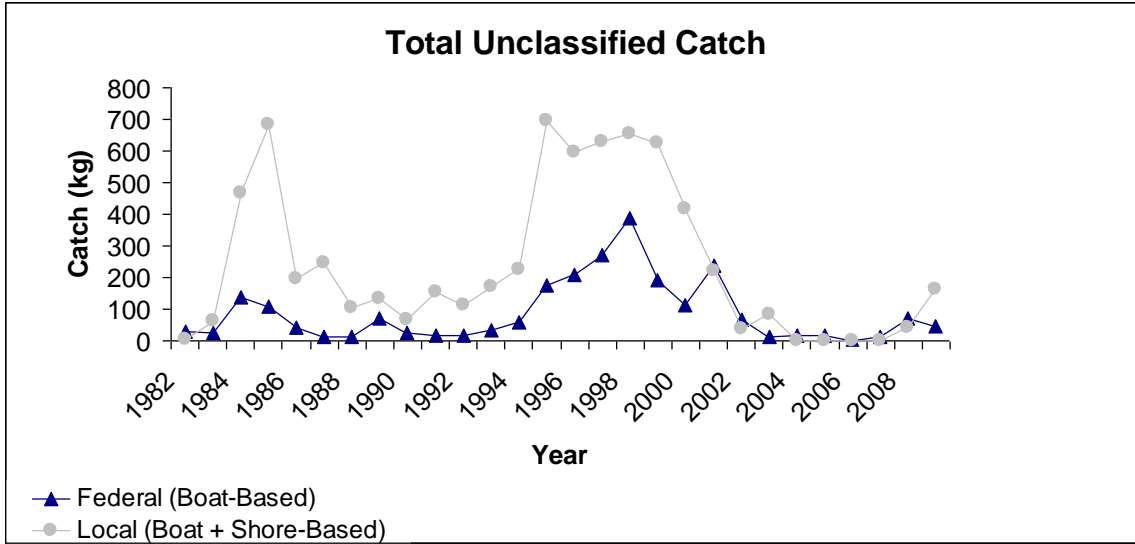
# TRIODONTIDAE



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.2	0.5
Standard Deviation	0.5	0.7
Confidence Value	0.4	0.6
Upper Bound CI	0.7	1.0
Lower Bound CI	-0.2	-0.1

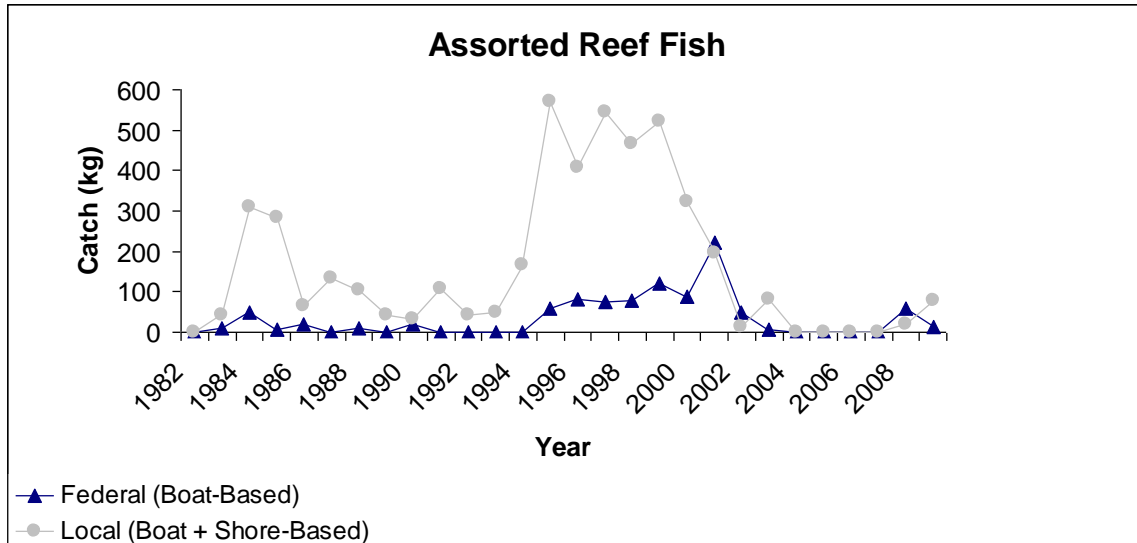
Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	0.4	0.8
Standard Deviation	0.8	1.5
Confidence Value	0.3	0.5
Upper Bound CI	0.7	1.3
Lower Bound CI	0.1	0.3

**UNCLASSIFIED**



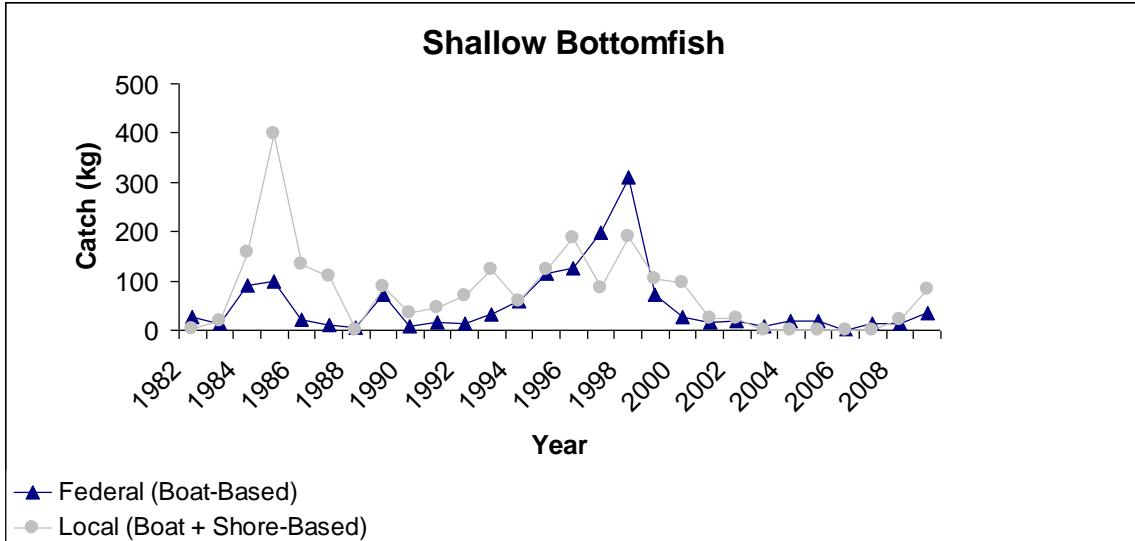
Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	30.4	40.7
Standard Deviation	29.3	70.5
Confidence Value	25.6	61.8
Upper Bound CI	56.1	102.5
Lower Bound CI	4.8	-21.1

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	86.4	242.2
Standard Deviation	96.6	243.9
Confidence Value	35.8	90.4
Upper Bound CI	122.2	332.5
Lower Bound CI	50.6	151.8



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	14.5	19.6
Standard Deviation	25.5	34.6
Confidence Value	22.4	30.3
Upper Bound CI	36.9	49.9
Lower Bound CI	-7.9	-10.7

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	34.4	164.4
Standard Deviation	50.5	186.0
Confidence Value	18.7	68.9
Upper Bound CI	53.1	233.3
Lower Bound CI	15.7	95.5



Last Five Years	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	15.9	21.1
Standard Deviation	12.2	36.0
Confidence Value	10.7	31.5
Upper Bound CI	26.6	52.7
Lower Bound CI	5.2	-10.4

Total Record	Federal (Boat-based)	Local (Boat + Shore-Based)
Mean Catch (kg)	52.0	77.8
Standard Deviation	68.4	86.1
Confidence Value	25.3	31.9
Upper Bound CI	77.4	109.7
Lower Bound CI	26.7	45.9

## Appendix 4A: Biomass and Catch Statistics, Mariana Archipelago



Table 13. RAMP biomass estimates for the Mariana Archipelago.

Biomass (kg)	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	
Rota to FDM	495,494	13,718	102,015	56,113	5,470	110,236	
Guam + Banks	381,203	17,480	129,993	13,102	6,971	173,550	
Guam Island	263,849	11,633	86,511	5,693	4,639	113,732	
Southern Banks + FDM	876,697	13,718	102,015	69,215	5,470	283,785	
Whole Archipelago	1,603,530	231,634	533,877	155,661	86,908	402,275	

Biomass (kg)	Lethrinidae	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total
Rota to FDM	53,230	97,448	37,229	192,545	119,306	428,379	1,711,183
Guam + Banks	9,300	68,000	38,462	214,732	55,319	447,900	1,556,011
Guam Island	4,404	41,949	22,405	142,423	31,095	266,915	995,248
Southern Banks + FDM	62,530	165,448	75,691	407,277	174,625	876,279	3,112,750
Whole Archipelago	131,796	824,038	108,462	711,585	418,622	1,585,012	6,793,401

Table 14. Annual mean catch (kg), 2005-2008, for the Mariana Archipelago..

2005-2008 Mean Catch	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	
CNMI	7,811	20,350	988	1,937	777	1,823	
Guam Catch Total	35,539	40,338	1,259	2,471	6,850	1,377	
Combined CNMI + Guam	43,349	60,687	2,247	4,408	7,626	3,200	

2005-2008 Mean Catch	Lethrinidae	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total
CNMI	28,715	4,179	5,637	5,520	4,581	15,249	97,565
Guam Catch Total	15,537	9,050	11,112	10,301	8,794	51,443	194,068
Combined CNMI + Guam	44,252	13,229	16,749	15,821	13,375	66,692	291,633

Table 15. Percentage caught (exploitation) for biomass and catch permutations in the Mariana Archipelago. .

Annual Mean Catch	Biomass	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	Lethrinidae
<i>CNMI</i>								
	Rota to FDM	1.58	148.34	0.97	3.45	14.20	1.65	53.94
	Mariana Archipelago	0.49	8.79	0.19	1.24	0.89	0.45	21.79
<i>Guam</i>								
	Guam Island	13.47	346.74	1.46	43.40	147.65	1.21	352.75
	Guam Island and Banks	9.32	230.76	0.97	18.86	98.26	0.79	167.06
	Mariana Archipelago	2.22	17.41	0.24	1.59	7.88	0.34	11.79
<i>Combined CNMI and Guam</i>								
	Southern Banks to FDM	4.94	442.39	2.20	6.37	139.41	1.13	70.77
	Mariana Archipelago	2.70	26.20	0.42	2.83	8.78	0.80	33.58
Annual Mean Catch	Biomass	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total	
<i>CNMI</i>								
	Rota to FDM	4.29	15.14	2.87	3.84	3.56	5.70	
	Whole Mariana Archipelago	0.51	5.20	0.78	1.09	0.96	1.44	
<i>Guam</i>								
	Guam Island	21.57	49.60	7.23	28.28	19.27	12.47	
	Guam Island and Banks	13.31	28.89	4.80	15.90	11.49	19.50	
	Whole Mariana Archipelago	1.10	10.25	1.45	2.10	3.25	2.86	
<i>Combined CNMI and Guam</i>								
	Southern Banks to FDM	8.00	22.13	3.88	7.66	7.61	9.37	
	Whole Mariana Archipelago	1.61	15.44	2.22	3.19	4.21	4.29	

## Appendix 5A: Biomass and Catch Statistics, Hawaiian Archipelago

Table 16. Ecological and fishery statistics for Hawaiian Archipelago.

	Acanthuridae	Carangidae	Carcharhinidae	Holocentridae	Kyphosidae	Labridae	
MHI Biomass Estimate, 2007-2008 RAMP Surveys	16,806,702	630,115	92,246	910,293	1,488,766	2,654,558	
NWHI Biomass Estimate, 2007-2008 RAMP Surveys	30,496,876	58,573,883	6,968,964	2,287,293	5,577,954	10,906,978	
Total Estimated Biomass, MHI + NWHI	47,303,578	59,203,998	7,061,210	3,197,586	7,066,721	13,561,536	
Average Annual Catch Last 5 Yrs, MHI	35,368	19,318	321	18,759	10,683	2,411	
Percentage of MHI Family Biomass Exploited	0.21%	3.07%	0.35%	2.06%	0.72%	0.09%	
Average Annual Catch Last 5 Yrs, MHI + NWHI	35,368	20,938	38	18,759	10,683	2,414	
Percentage of Total (MHI +NWHI) Biomass Exploited	0.07%	0.04%	0.00%	0.59%	0.15%	0.02%	
Family Trophic Score, Weighted for the Relative Abundance of Component Species in Catch Record	2.21	4.17	4.23 <sup>1</sup>	4.00	2.10 <sup>1</sup>	3.49	

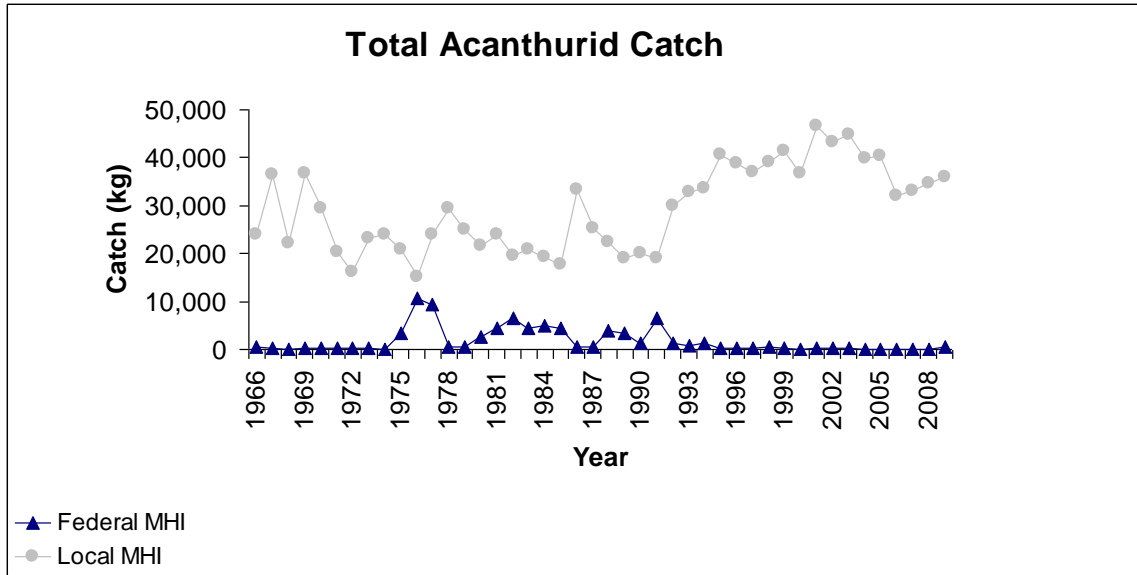
	Lethrinidae	Lutjanidae	Mullidae	Scaridae	Serranidae	Other	Total
MHI Biomass Estimate, 2007-2008 RAMP Surveys	247,439	4,048,999	1,847,270	5,906,120	1,062,992	8,027,754	43,723,253
NWHI Biomass Estimate, 2007-2008 RAMP Surveys	4,124,428	11,172,709	3,603,735	28,991,855	-	18,458,757	181,163,432
Total Estimated Biomass, MHI + NWHI	4,371,867	15,221,708	5,451,005	34,897,975	1,062,992	26,486,511	224,886,685
Average Yearly Catch Last 5 Yrs, MHI	955	17,334	5,393	17,994	724	50,142	179,402
Percentage of MHI Family Biomass Exploited	0.39%	0.43%	0.29%	0.30%	0.07%	0.62%	0.41%
Average Yearly Catch Last 5 Yrs, MHI + NWHI	955	17,335	5,396	17,994	724	50,229	180,832
Percentage of Total Biomass Exploited	0.02%	0.11%	0.10%	0.05%	0.07%	0.19%	0.08%
Family Trophic Score, Weighted for the Relative Abundance of Component Species in Catch Record	3.19 <sup>2</sup>	3.63	3.50	2.00 <sup>2</sup>	4.05	-	-

<sup>1</sup>No individual species data available so trophic score was calculated by averaging trophic score of species known to exist in Hawai'i.

<sup>2</sup>Only 1 species used in calculation, although for Scaridae the value presented here is the clear mode of the family.

## Appendix 5B: Family and Species Catch Charts, Hawai'i

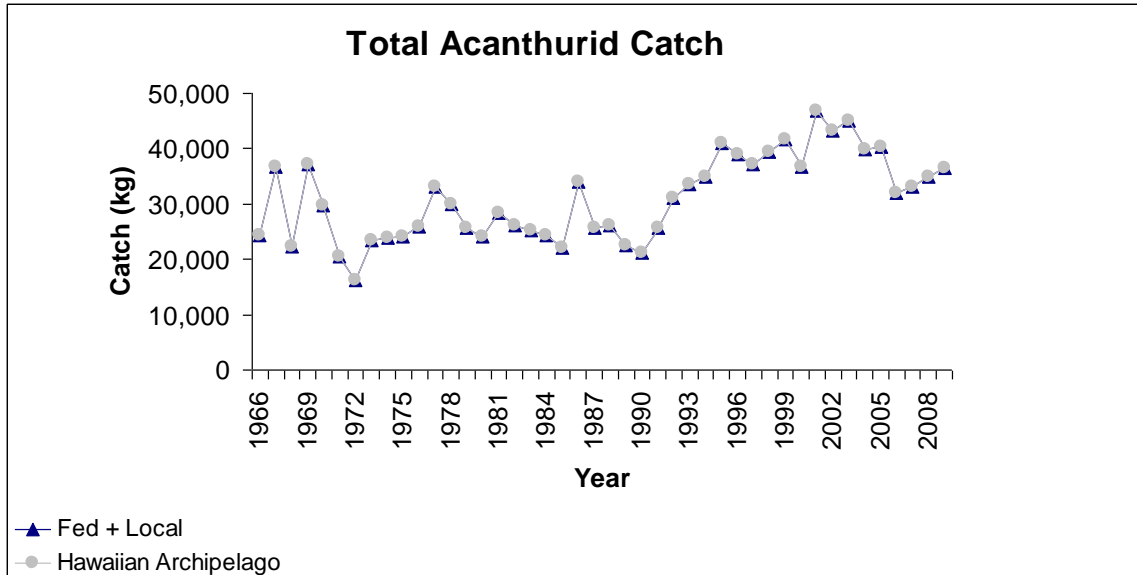
# ACANTHURIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	145.4	35,223.0
Standard Deviation	213.1	3,192.2
Confidence Value	63.0	2,798.1
Upper Bound CI	208.4	38,021.1
Lower Bound CI	82.4	32,424.9

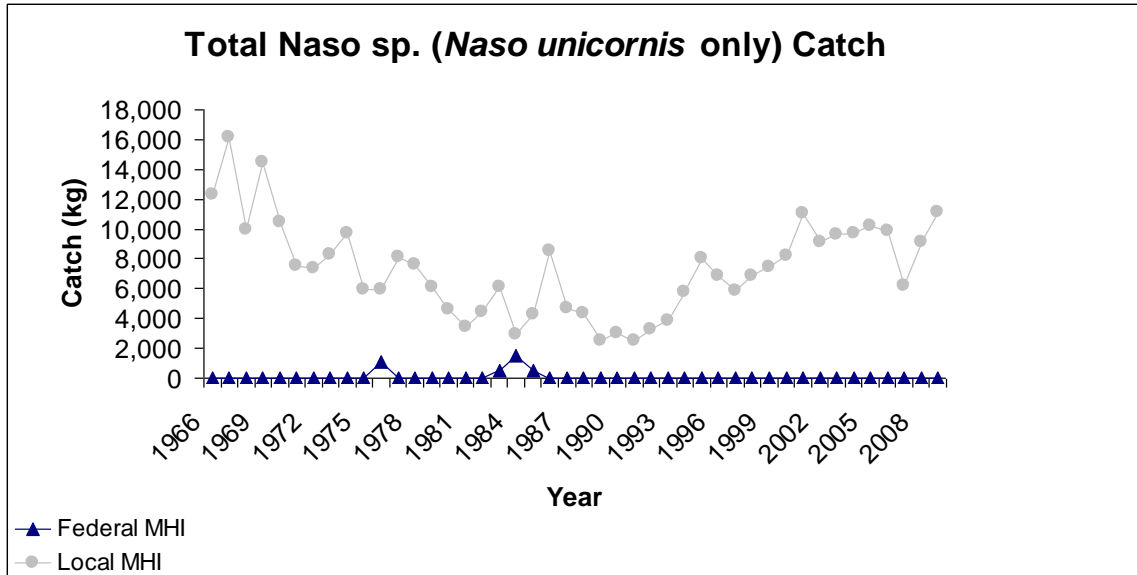
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,722.2	29,303.4
Standard Deviation	2,600.2	8,852.5
Confidence Value	768.3	2,615.7
Upper Bound CI	2,490.5	31,919.0
Lower Bound CI	953.9	26,687.7





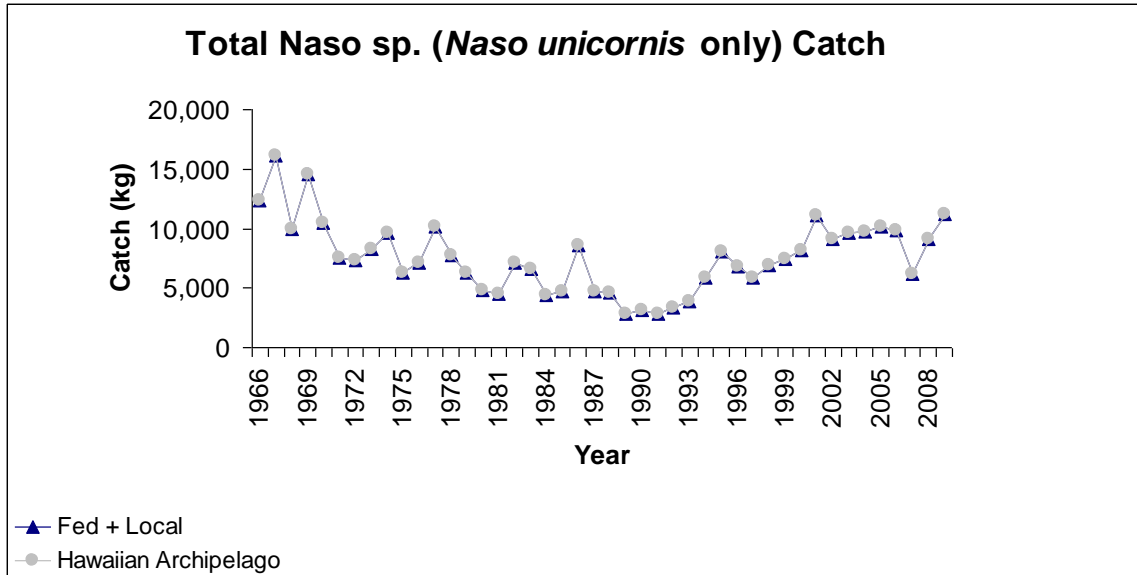
Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	35,368.4	35,368.4
Standard Deviation	3,223.4	3,223.4
Confidence Value	2,825.4	2,825.4
Upper Bound CI	38,193.8	38,193.8
Lower Bound CI	32,543.0	32,543.0

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	31,025.6	31,026.0
Standard Deviation	7,609.8	7,609.7
Confidence Value	2,248.5	2,248.5
Upper Bound CI	33,274.1	33,274.4
Lower Bound CI	28,777.1	28,777.5



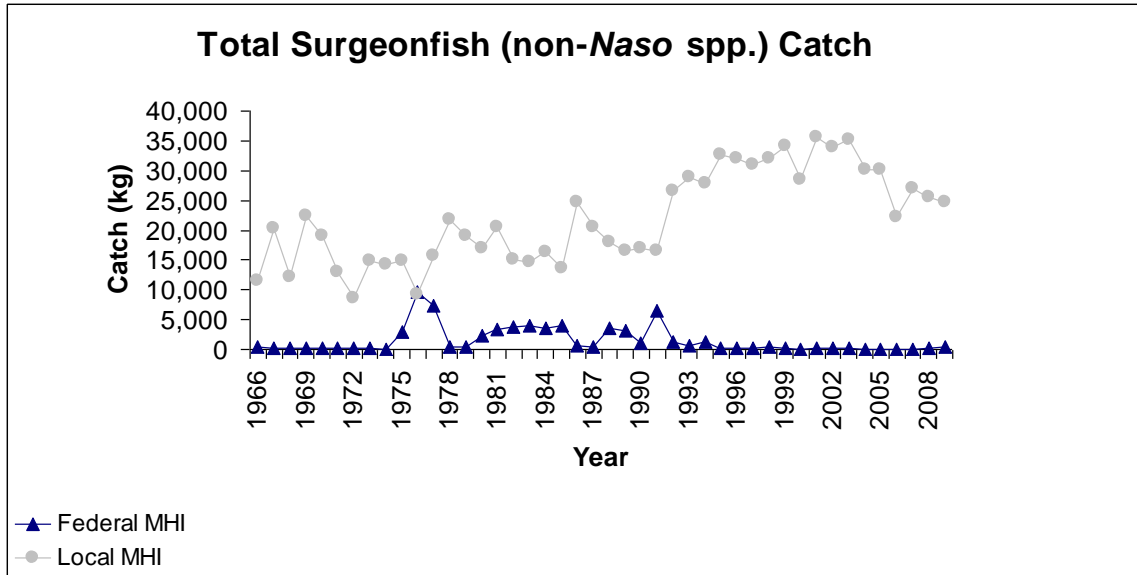
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	5.8	9,301.1
Standard Deviation	6.9	1,895.6
Confidence Value	2.0	1,661.6
Upper Bound CI	7.8	10,962.6
Lower Bound CI	3.8	7,639.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	264.5	7,358.9
Standard Deviation	562.3	3,134.0
Confidence Value	166.1	926.0
Upper Bound CI	430.6	8,284.9
Lower Bound CI	98.3	6,432.9



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	9,306.9	9,306.9
Standard Deviation	1,898.2	1,898.2
Confidence Value	1,663.8	1,663.8
Upper Bound CI	10,970.7	10,970.7
Lower Bound CI	7,643.0	7,643.0

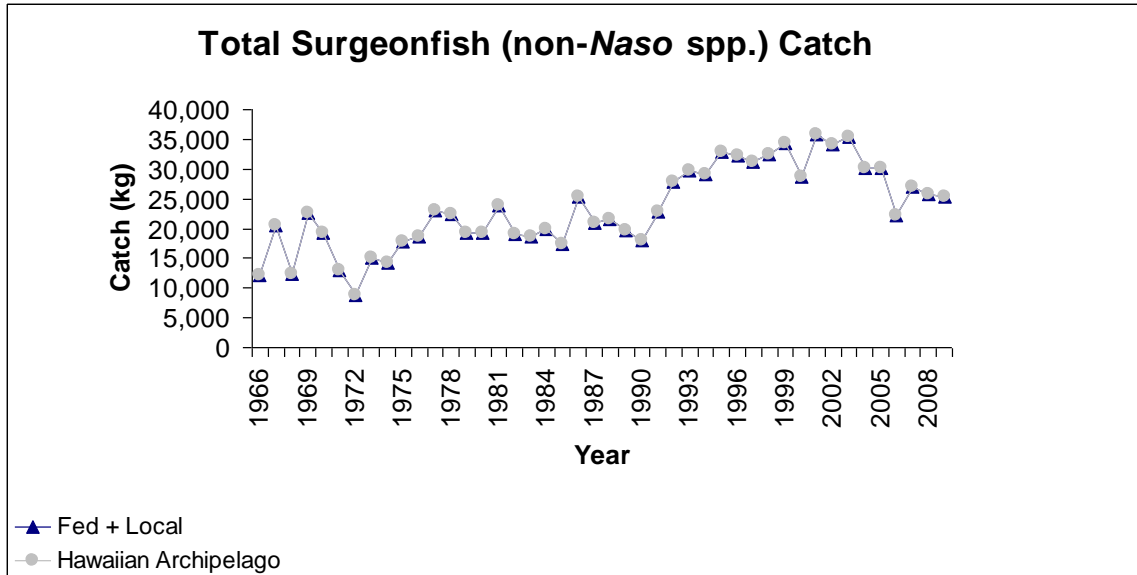
Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	7,623.4	7,623.7
Standard Deviation	2,997.5	2,997.2
Confidence Value	885.7	885.6
Upper Bound CI	8,509.1	8,509.3
Lower Bound CI	6,737.7	6,738.1



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	139.6	25,921.9
Standard Deviation	206.9	2,898.1
Confidence Value	61.1	2,540.3
Upper Bound CI	200.7	28,462.2
Lower Bound CI	78.4	23,381.6

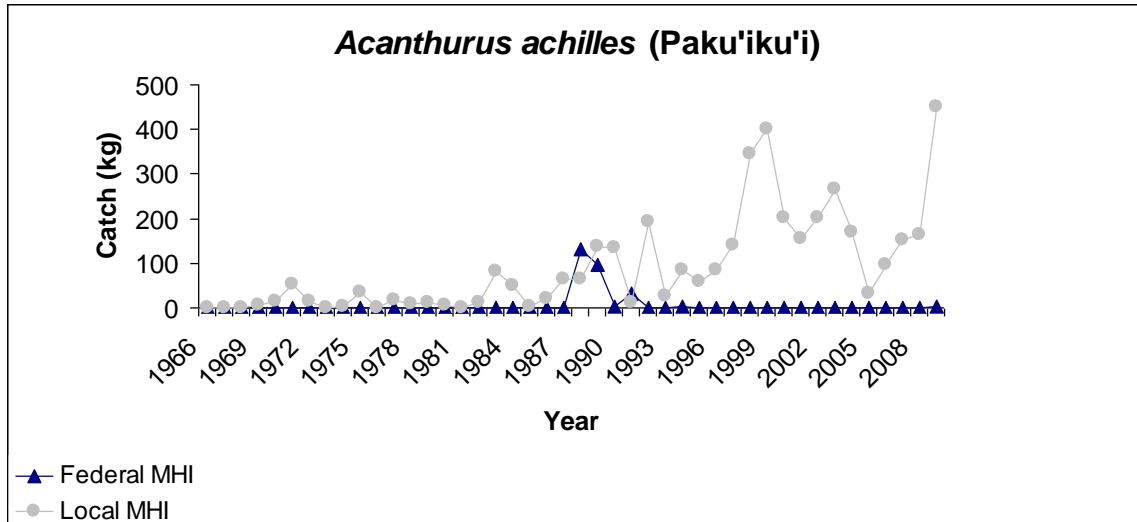
  

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,457.7	21,944.5
Standard Deviation	2,178.0	7,733.0
Confidence Value	643.6	2,284.9
Upper Bound CI	2,101.3	24,229.4
Lower Bound CI	814.2	19,659.6



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	26,061.5	26,061.5
Standard Deviation	2,858.5	2,858.5
Confidence Value	2,505.6	2,505.6
Upper Bound CI	28,567.1	28,567.1
Lower Bound CI	23,555.9	23,555.9

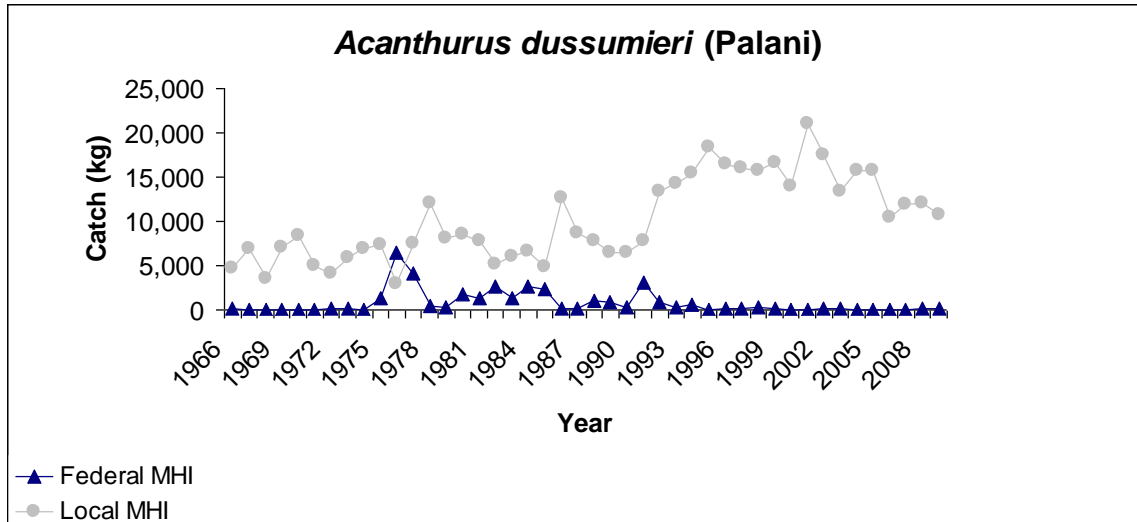
Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	23,402.2	23,402.3
Standard Deviation	6,926.9	6,926.9
Confidence Value	2,046.7	2,046.7
Upper Bound CI	25,448.9	25,449.0
Lower Bound CI	21,355.5	21,355.5



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.5	178.9
Standard Deviation	0.9	160.6
Confidence Value	0.8	140.7
Upper Bound CI	1.3	319.7
Lower Bound CI	-0.3	38.2

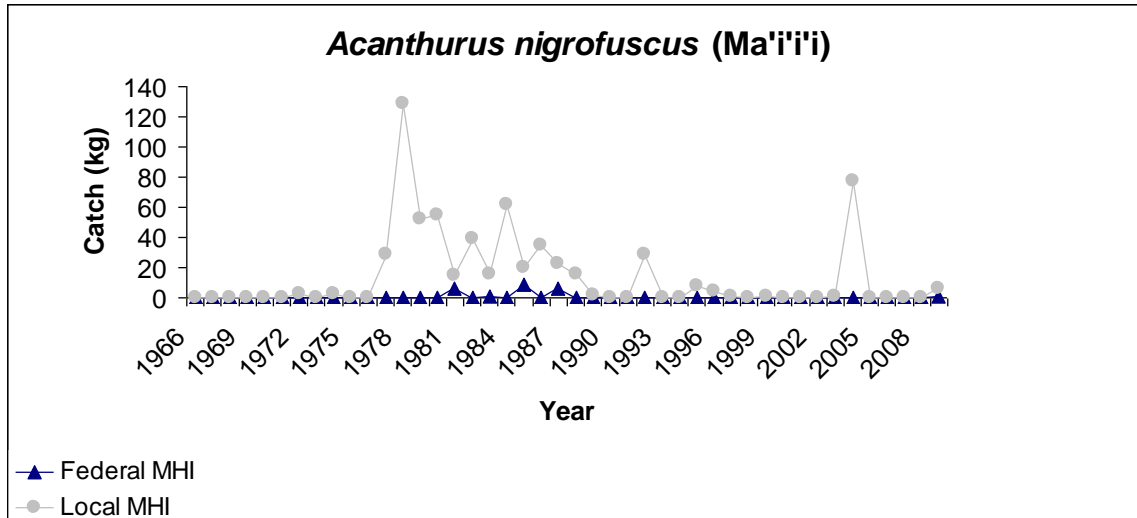
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	6.2	90.2
Standard Deviation	24.7	110.6
Confidence Value	7.3	32.7
Upper Bound CI	13.5	122.9
Lower Bound CI	-1.2	57.6



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	58.5	12,162.2
Standard Deviation	55.9	2,086.3
Confidence Value	49.0	1,828.7
Upper Bound CI	107.5	13,991.0
Lower Bound CI	9.5	10,333.5

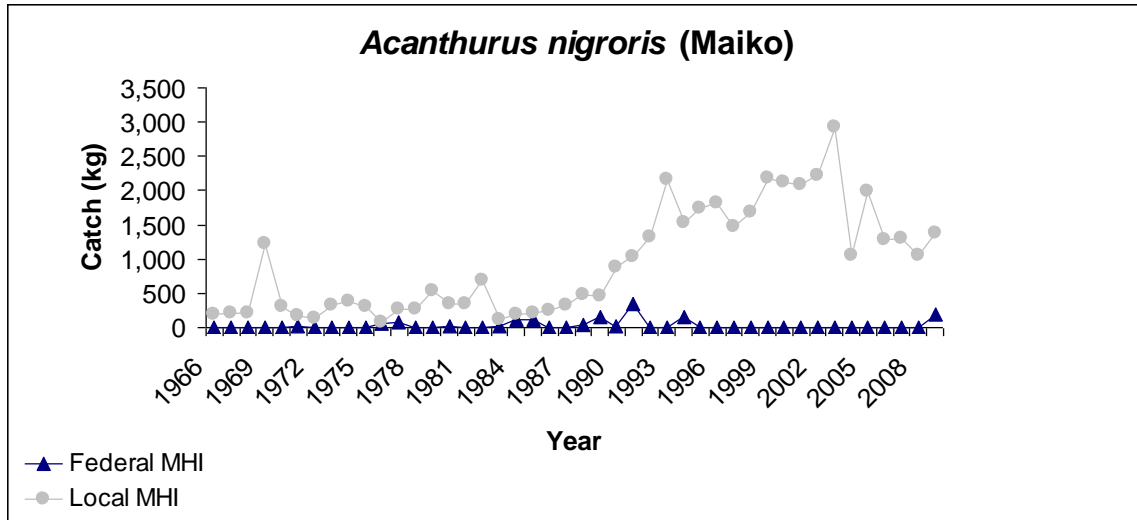
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	773.4	10,184.2
Standard Deviation	1,306.7	4,658.6
Confidence Value	386.1	1,376.5
Upper Bound CI	1,159.5	11,560.7
Lower Bound CI	387.3	8,807.7



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.2	1.2
Standard Deviation	0.4	2.6
Confidence Value	0.4	2.3
Upper Bound CI	0.5	3.5
Lower Bound CI	-0.2	-1.1

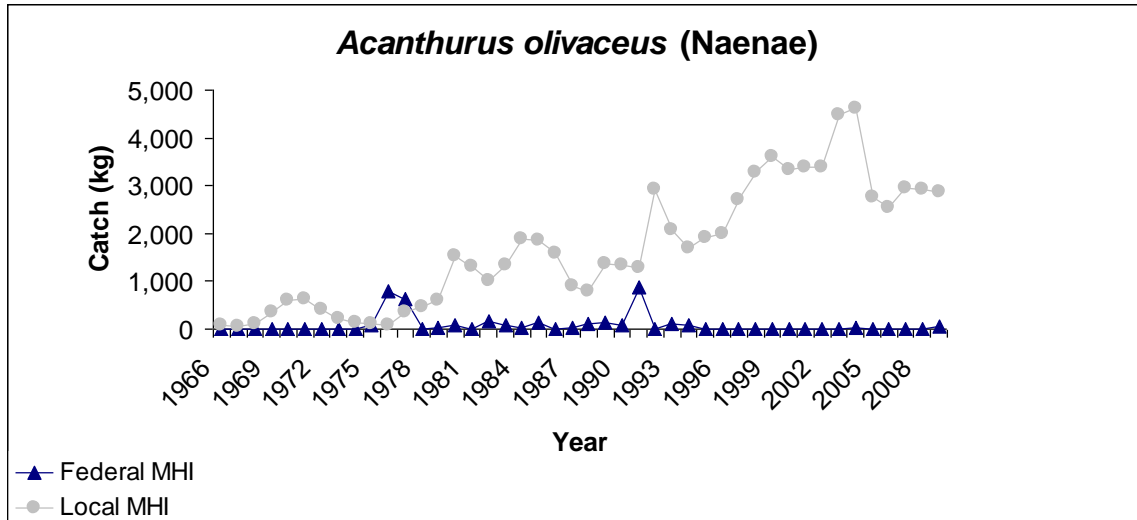
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	0.5	14.1
Standard Deviation	1.8	26.2
Confidence Value	0.5	7.7
Upper Bound CI	1.0	21.8
Lower Bound CI	0.0	6.4





Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	37.5	1,400.5
Standard Deviation	82.6	348.4
Confidence Value	72.4	305.4
Upper Bound CI	109.9	1,705.9
Lower Bound CI	-34.9	1,095.1

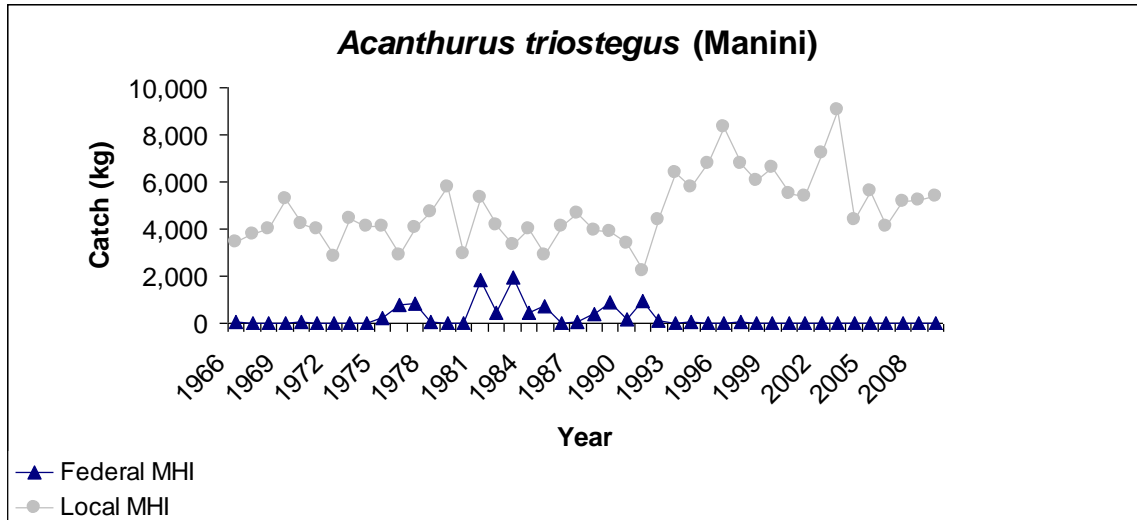
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	30.6	937.7
Standard Deviation	67.4	774.8
Confidence Value	19.9	228.9
Upper Bound CI	50.5	1,166.7
Lower Bound CI	10.7	708.8



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	10.8	2,804.3
Standard Deviation	22.9	167.1
Confidence Value	20.1	146.5
Upper Bound CI	30.9	2,950.8
Lower Bound CI	-9.3	2,657.9

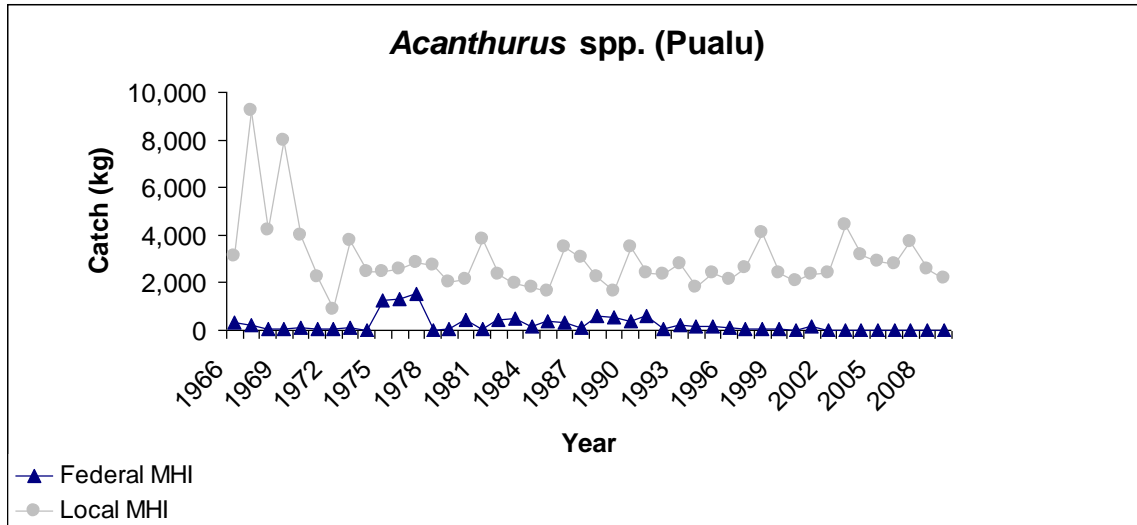
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	79.6	1,677.1
Standard Deviation	194.6	1,279.7
Confidence Value	57.5	378.1
Upper Bound CI	137.1	2,055.2
Lower Bound CI	22.1	1,299.0



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.9	5,102.0
Standard Deviation	1.1	568.4
Confidence Value	1.0	498.2
Upper Bound CI	1.8	5,600.3
Lower Bound CI	-0.1	4,603.8

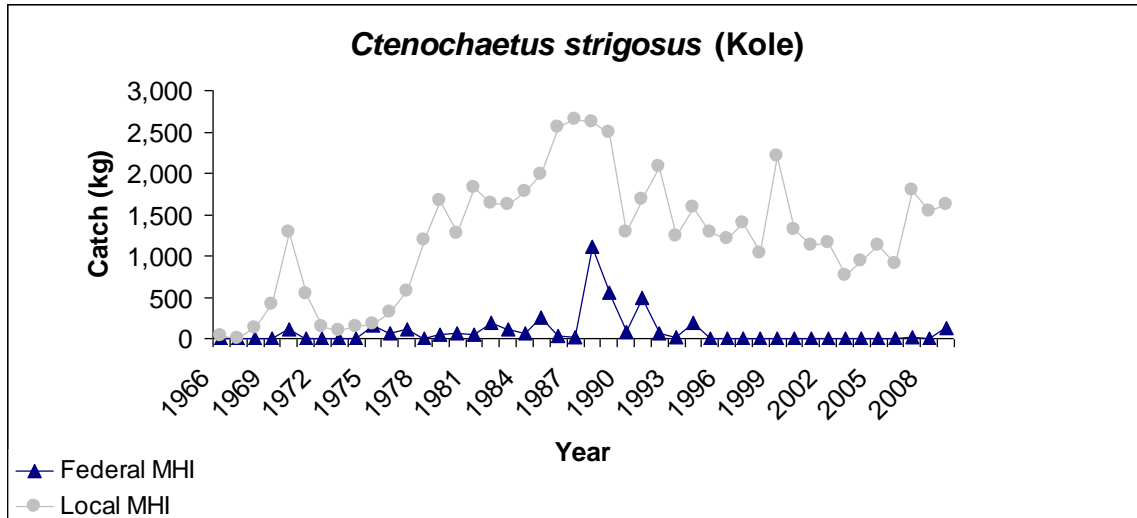
  

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	230.2	4,789.5
Standard Deviation	454.2	1,461.7
Confidence Value	134.2	431.9
Upper Bound CI	364.4	5,221.4
Lower Bound CI	95.9	4,357.6



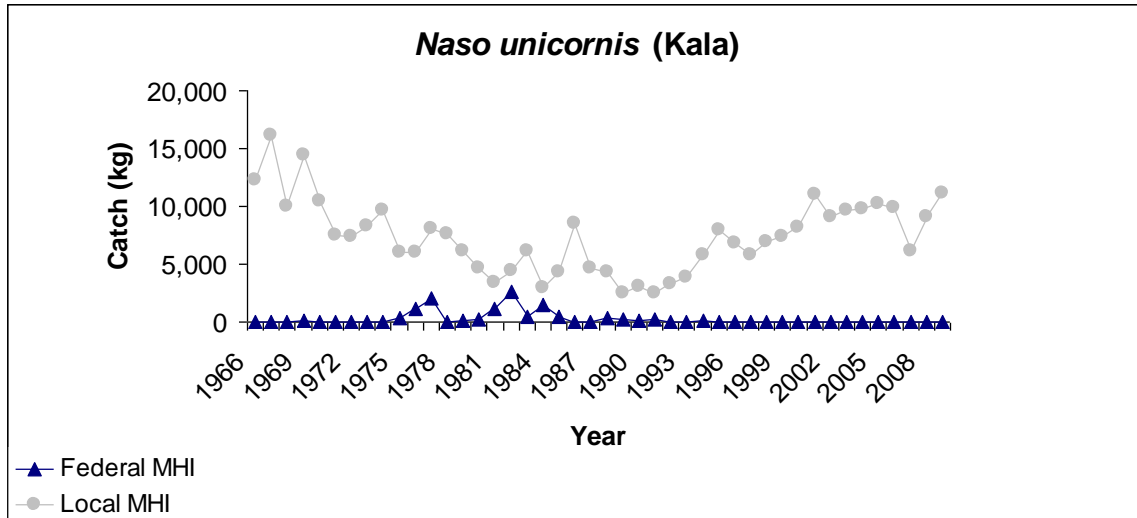
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1.4	2,844.6
Standard Deviation	1.7	568.0
Confidence Value	1.5	497.8
Upper Bound CI	2.9	3,342.4
Lower Bound CI	-0.1	2,346.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	242.3	2,949.1
Standard Deviation	357.3	1,469.9
Confidence Value	105.6	434.3
Upper Bound CI	347.9	3,383.4
Lower Bound CI	136.7	2,514.8



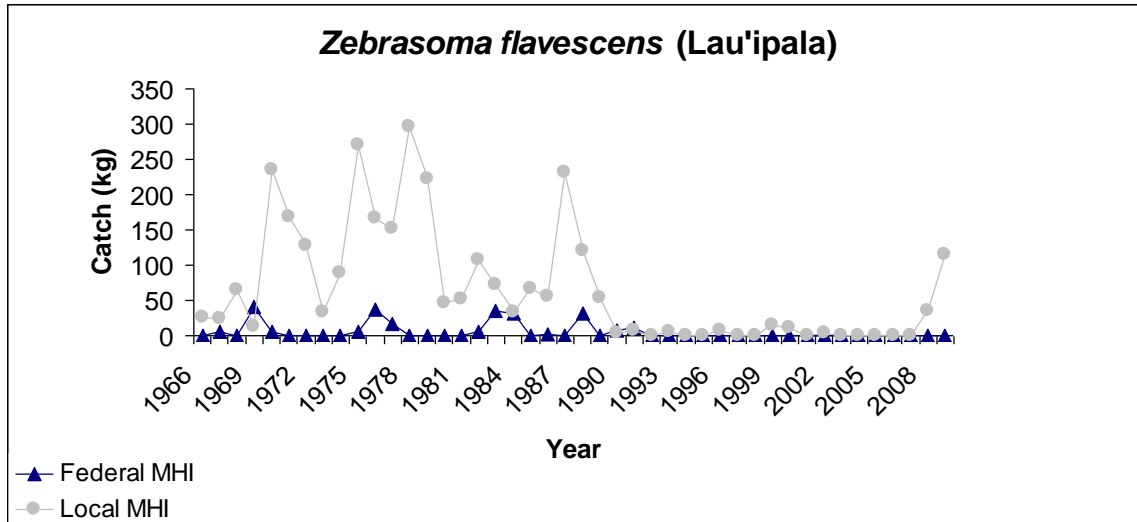
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	29.7	1,398.4
Standard Deviation	53.2	366.7
Confidence Value	46.7	321.4
Upper Bound CI	76.4	1,719.8
Lower Bound CI	-16.9	1,077.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	89.7	1,235.9
Standard Deviation	198.4	737.6
Confidence Value	58.6	217.9
Upper Bound CI	148.3	1,453.8
Lower Bound CI	31.0	1,017.9



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	5.8	9,301.1
Standard Deviation	6.9	1,895.6
Confidence Value	6.0	1,661.6
Upper Bound CI	11.8	10,962.6
Lower Bound CI	-0.2	7,639.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	264.5	7,358.9
Standard Deviation	562.3	3,134.0
Confidence Value	166.1	926.0
Upper Bound CI	430.6	8,284.9
Lower Bound CI	98.3	6,432.9

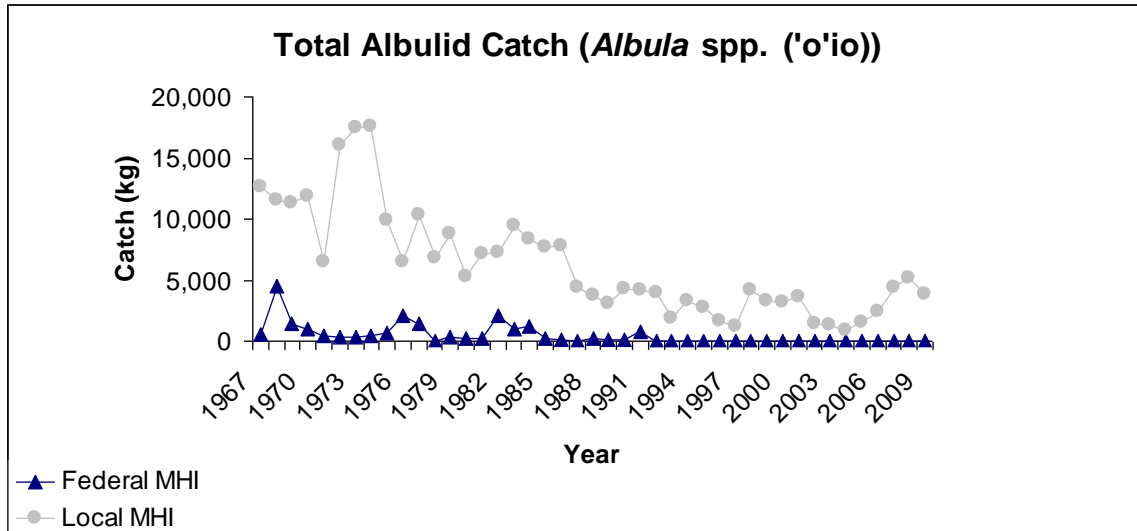


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	29.7
Standard Deviation	0.0	49.6
Confidence Value	-	43.4
Upper Bound CI	-	73.2
Lower Bound CI	-	-13.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	5.3	66.6
Standard Deviation	11.4	83.1
Confidence Value	3.4	24.6
Upper Bound CI	8.7	91.2
Lower Bound CI	2.0	42.1

# ABULIDAE

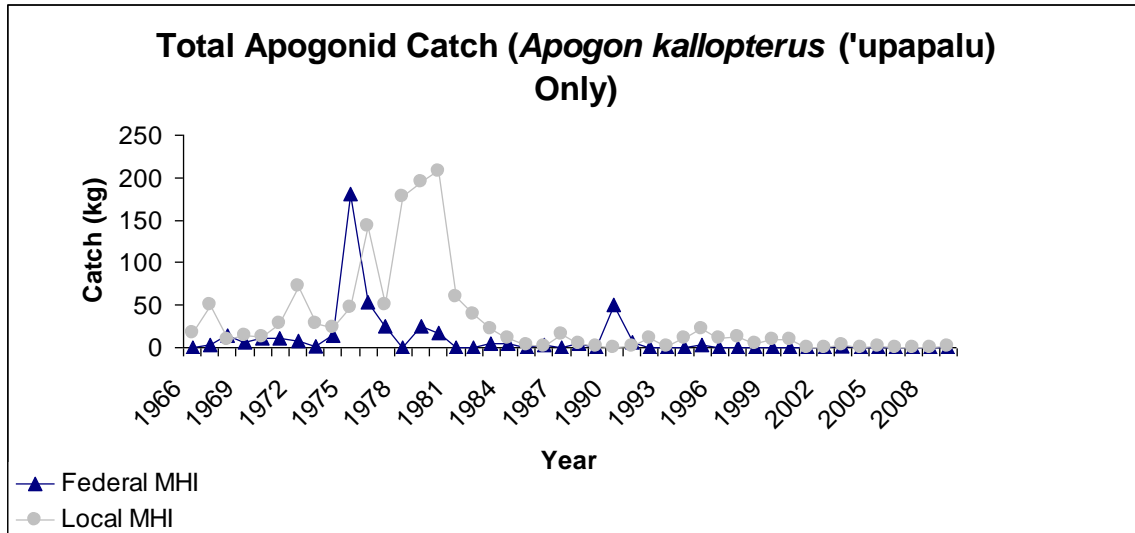


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	4.2	3,455.5
Standard Deviation	3.5	1,491.2
Confidence Value	3.1	1,307.0
Upper Bound CI	7.2	4,762.6
Lower Bound CI	1.1	2,148.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	476.1	6,408.4
Standard Deviation	828.7	4,418.6
Confidence Value	244.9	1,305.6
Upper Bound CI	721.0	7,714.0
Lower Bound CI	231.3	5,102.8



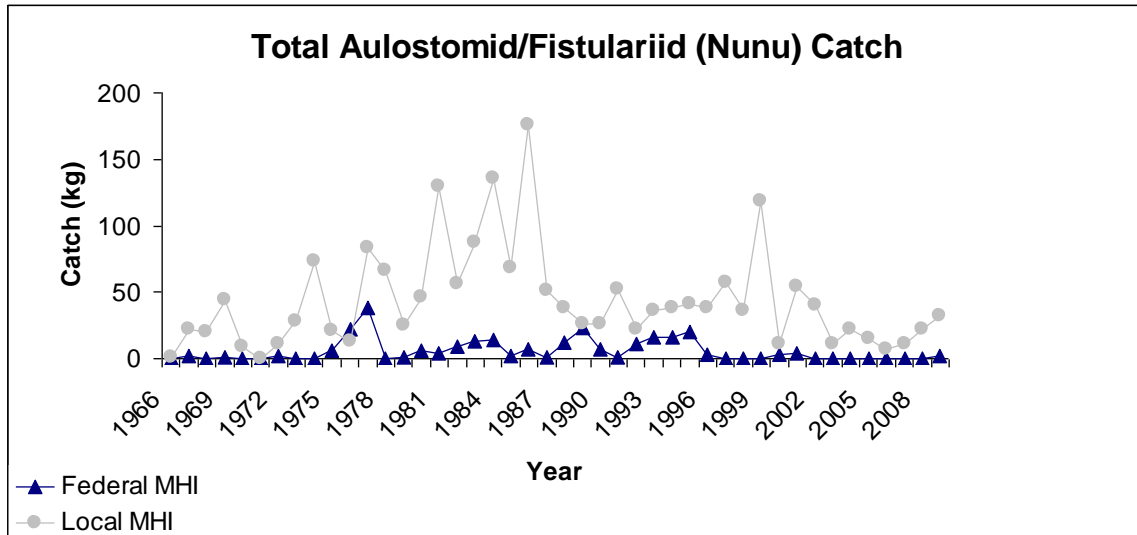
# APOGONIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	0.8
Standard Deviation	0.0	1.0
Confidence Value	-	0.8
Upper Bound CI	-	1.7
Lower Bound CI	-	0.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	10.3	30.4
Standard Deviation	28.8	51.7
Confidence Value	8.5	15.3
Upper Bound CI	18.8	45.7
Lower Bound CI	1.8	15.1

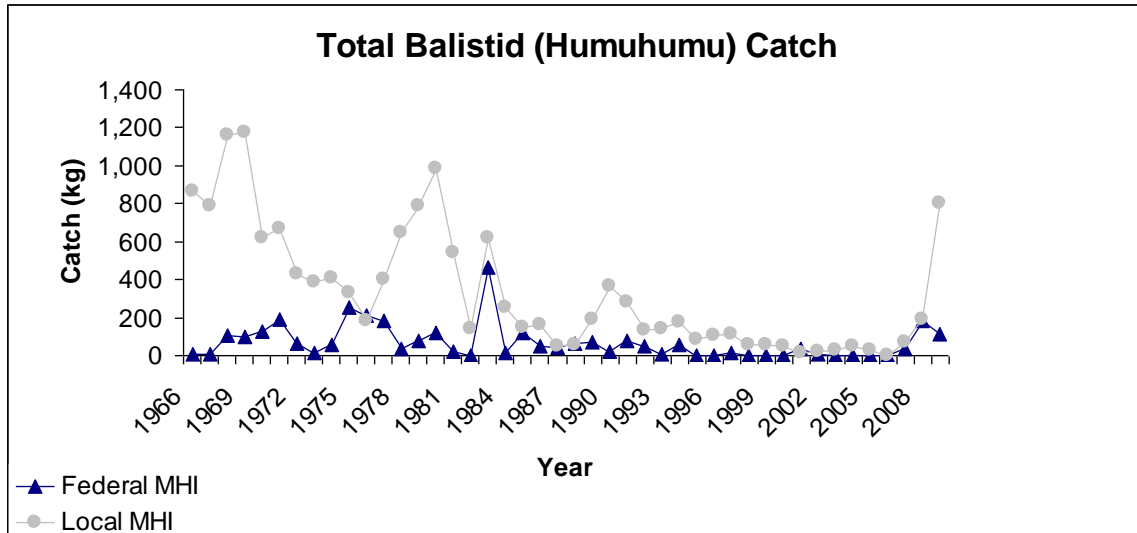
# AULOSTOMIDAE OR FISTULARIIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.5	17.3
Standard Deviation	1.0	9.8
Confidence Value	0.9	8.6
Upper Bound CI	1.4	25.9
Lower Bound CI	-0.4	8.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	5.7	44.8
Standard Deviation	8.3	37.7
Confidence Value	2.5	11.1
Upper Bound CI	8.1	55.9
Lower Bound CI	3.2	33.6

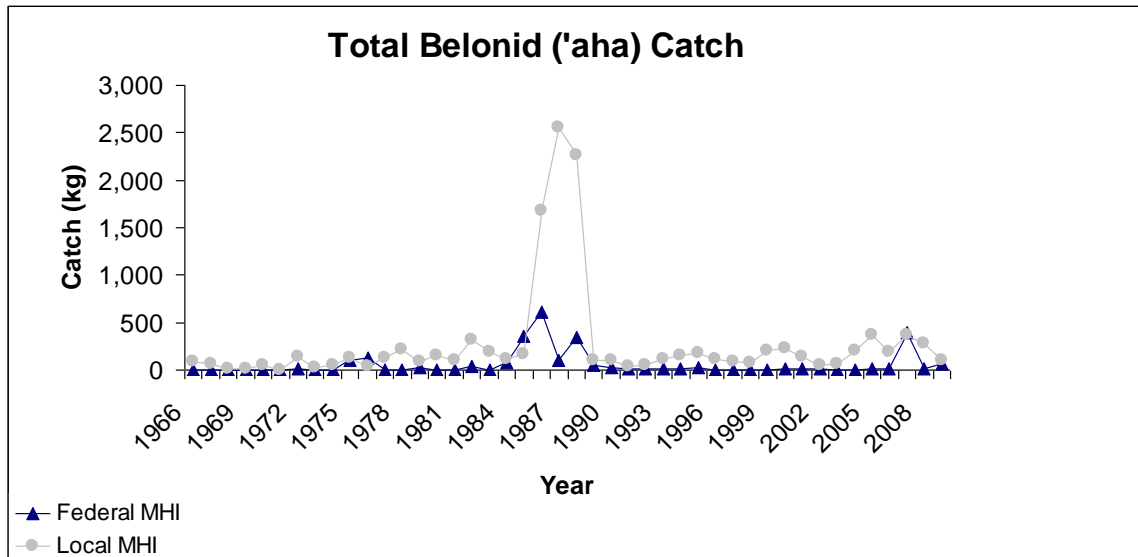
# BALISTIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	65.6	218.2
Standard Deviation	78.9	332.6
Confidence Value	69.1	291.5
Upper Bound CI	134.7	509.7
Lower Bound CI	-3.5	-73.3

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	67.7	335.4
Standard Deviation	89.9	328.5
Confidence Value	26.6	97.1
Upper Bound CI	94.3	432.4
Lower Bound CI	41.2	238.3

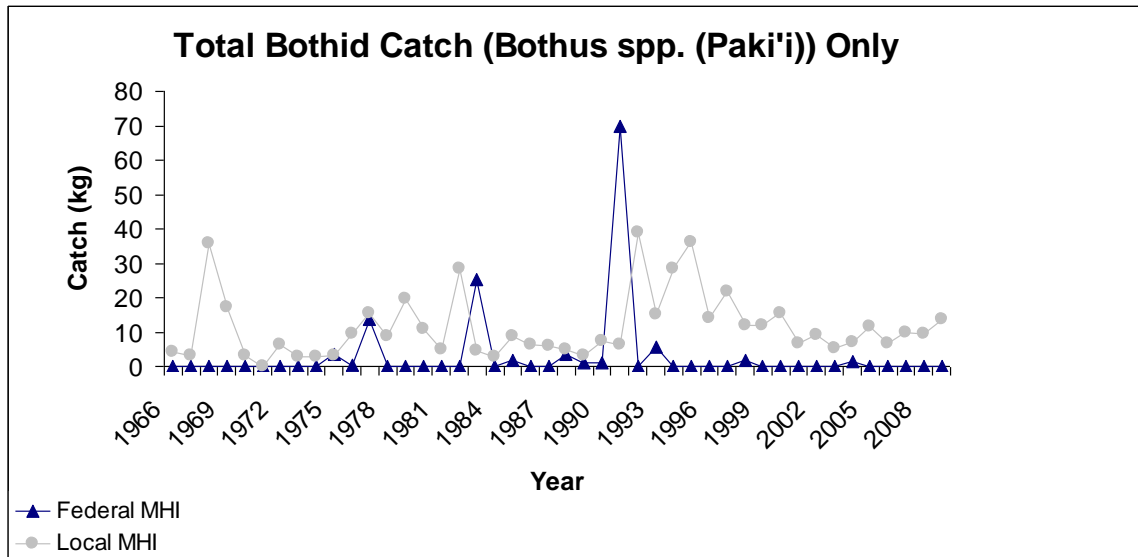
# BELONIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	99.7	263.6
Standard Deviation	168.9	116.7
Confidence Value	148.0	102.3
Upper Bound CI	247.7	365.9
Lower Bound CI	-48.4	161.3

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	56.2	267.2
Standard Deviation	126.2	535.3
Confidence Value	37.3	158.2
Upper Bound CI	93.5	425.4
Lower Bound CI	18.9	109.0

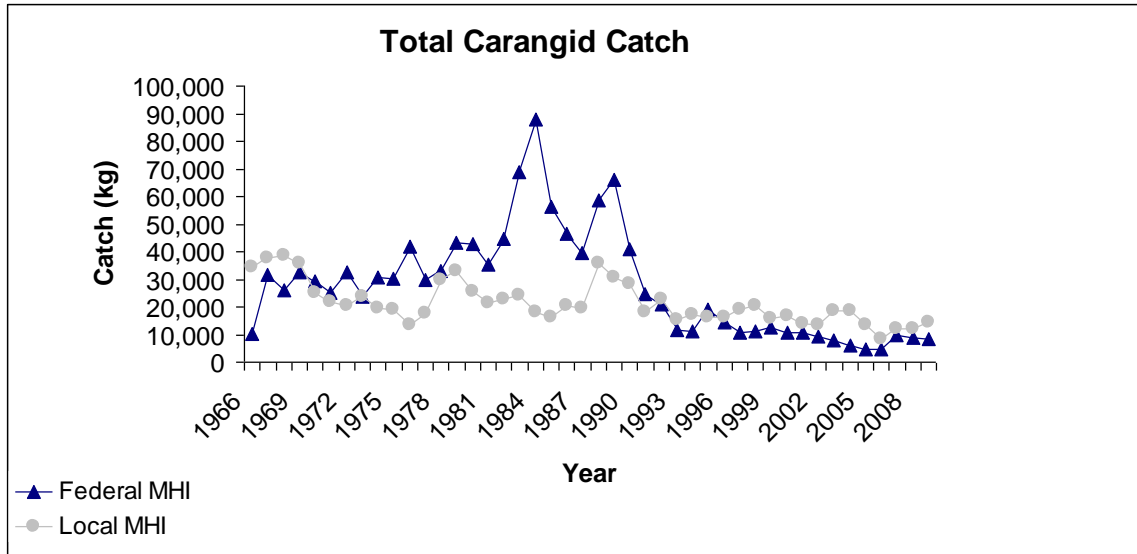
# BOTHIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	10.3
Standard Deviation	0.0	2.6
Confidence Value	-	2.3
Upper Bound CI	-	12.6
Lower Bound CI	-	8.1

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2.9	11.6
Standard Deviation	11.2	9.5
Confidence Value	3.3	2.8
Upper Bound CI	6.2	14.4
Lower Bound CI	-0.4	8.8

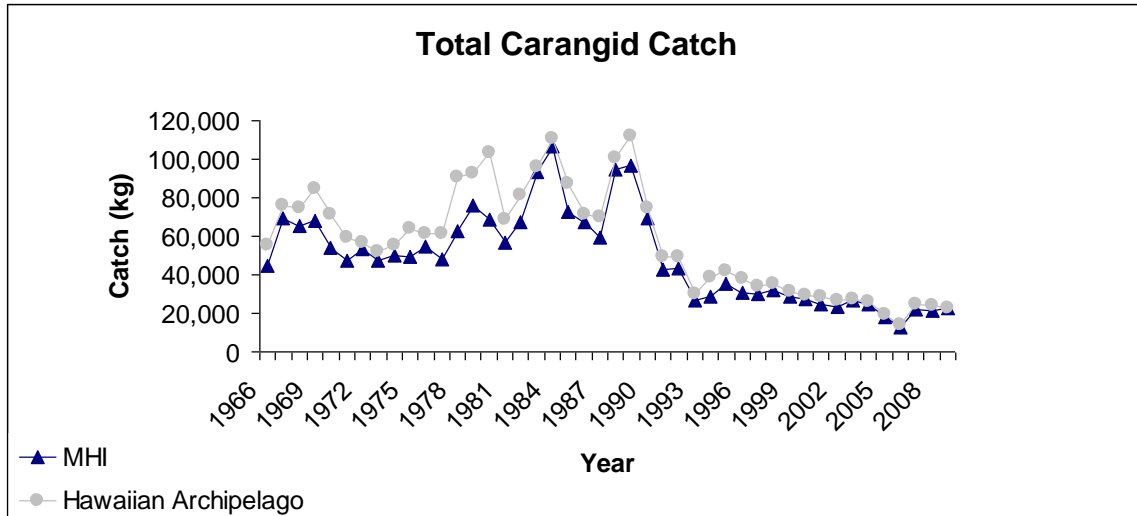
# CARANGIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	7,158.6	12,159.1
Standard Deviation	2,516.5	2,372.8
Confidence Value	743.6	2,079.8
Upper Bound CI	7,902.1	14,238.9
Lower Bound CI	6,415.0	10,079.2

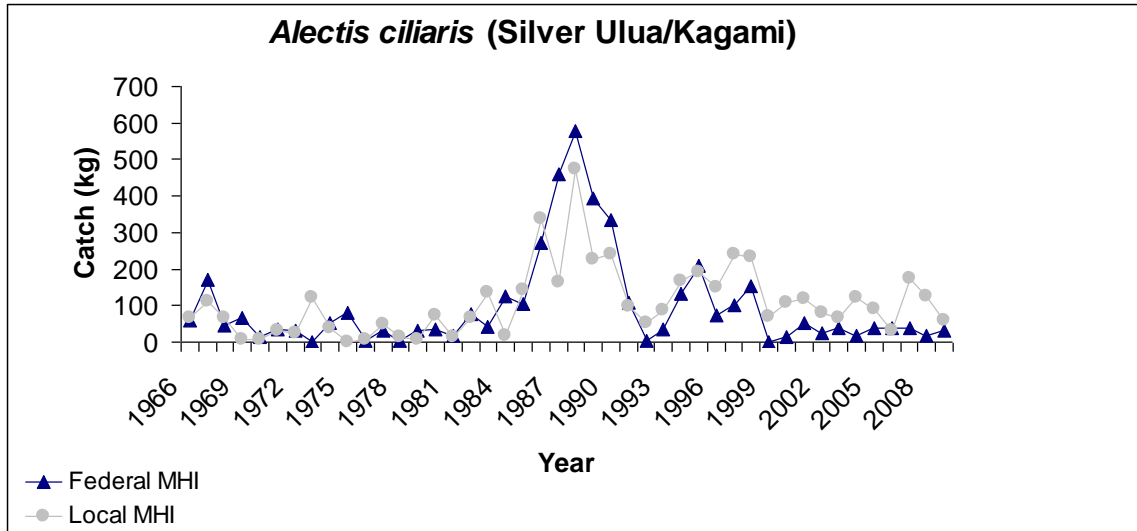
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	27,842.4	21,308.0
Standard Deviation	19,426.4	7,502.6
Confidence Value	5,740.0	2,216.8
Upper Bound CI	33,582.4	23,524.8
Lower Bound CI	22,102.4	19,091.1



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	19,317.6	20,938.1
Standard Deviation	4,058.8	4,367.2
Confidence Value	3,557.6	3,828.0
Upper Bound CI	22,875.2	24,766.0
Lower Bound CI	15,760.0	17,110.1

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	49,150.4	57,380.3
Standard Deviation	23,490.1	27,418.5
Confidence Value	6,940.8	8,101.5
Upper Bound CI	56,091.1	65,481.8
Lower Bound CI	42,209.6	49,278.8

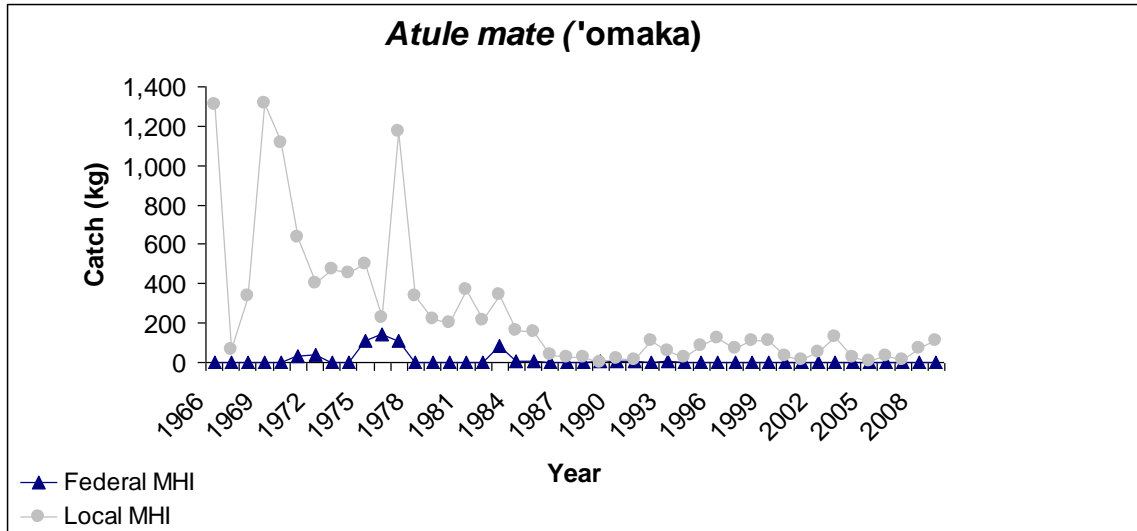




Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	31.7	96.4
Standard Deviation	9.5	55.8
Confidence Value	8.3	48.9
Upper Bound CI	40.0	145.3
Lower Bound CI	23.4	47.5

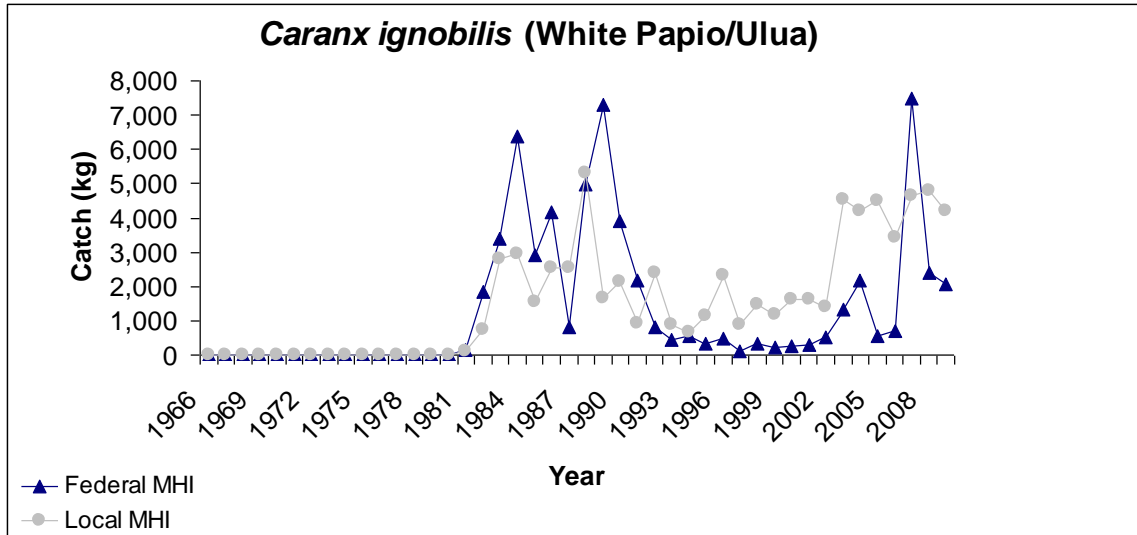
  

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	95.4	109.5
Standard Deviation	127.7	95.7
Confidence Value	37.7	28.3
Upper Bound CI	133.1	137.8
Lower Bound CI	57.6	81.2



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	46.5
Standard Deviation	0.0	41.6
Confidence Value	-	36.5
Upper Bound CI	-	83.0
Lower Bound CI	-	10.0

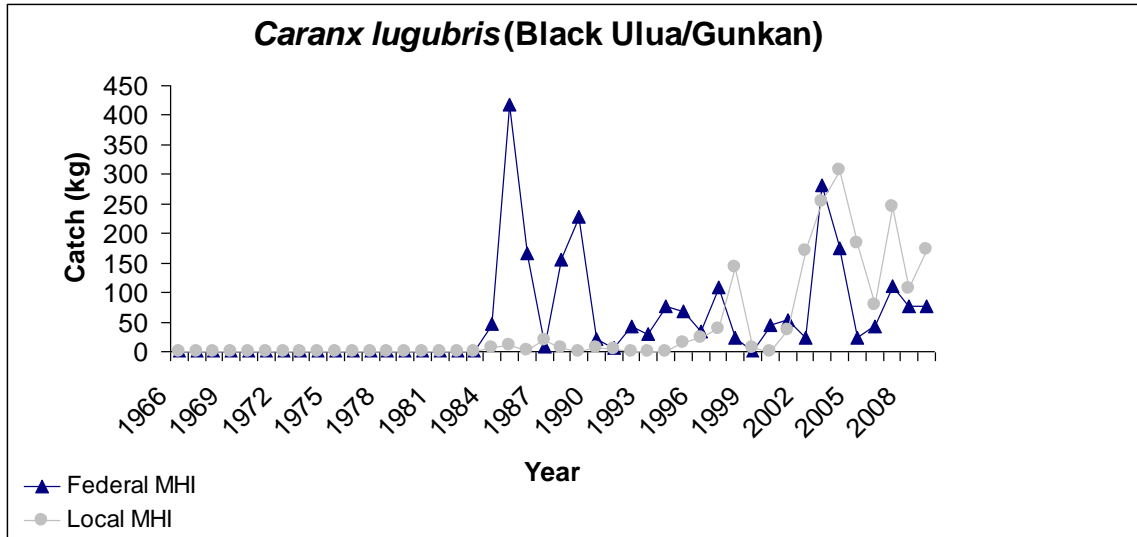
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	12.7	263.1
Standard Deviation	33.4	350.9
Confidence Value	9.9	103.7
Upper Bound CI	22.5	366.7
Lower Bound CI	2.8	159.4



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	2,637.5	4,319.1
Standard Deviation	2,816.8	553.1
Confidence Value	2,469.0	484.8
Upper Bound CI	5,106.5	4,803.9
Lower Bound CI	168.4	3,834.3

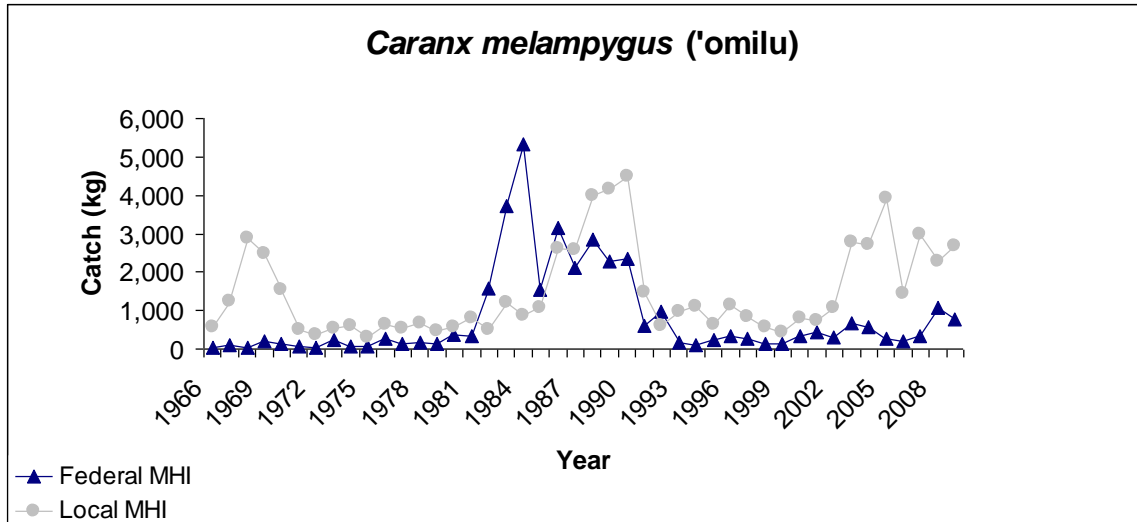
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,342.3	2,388.9
Standard Deviation	2,024.4	1,486.6
Confidence Value	598.2	439.3
Upper Bound CI	1,940.5	2,828.1
Lower Bound CI	744.2	1,949.6



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	65.7	157.4
Standard Deviation	34.0	65.8
Confidence Value	29.8	57.7
Upper Bound CI	95.5	215.1
Lower Bound CI	35.8	99.7

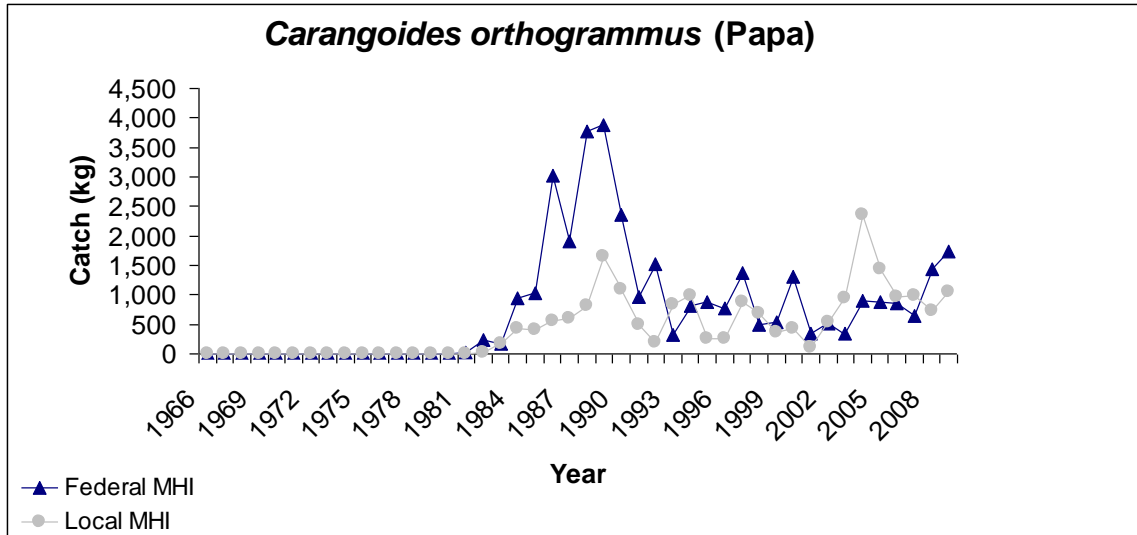
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	53.2	83.6
Standard Deviation	86.9	97.7
Confidence Value	25.7	28.9
Upper Bound CI	78.9	112.5
Lower Bound CI	27.5	54.7



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	529.4	2,666.7
Standard Deviation	379.2	917.9
Confidence Value	332.4	804.5
Upper Bound CI	861.7	3,471.3
Lower Bound CI	197.0	1,862.2

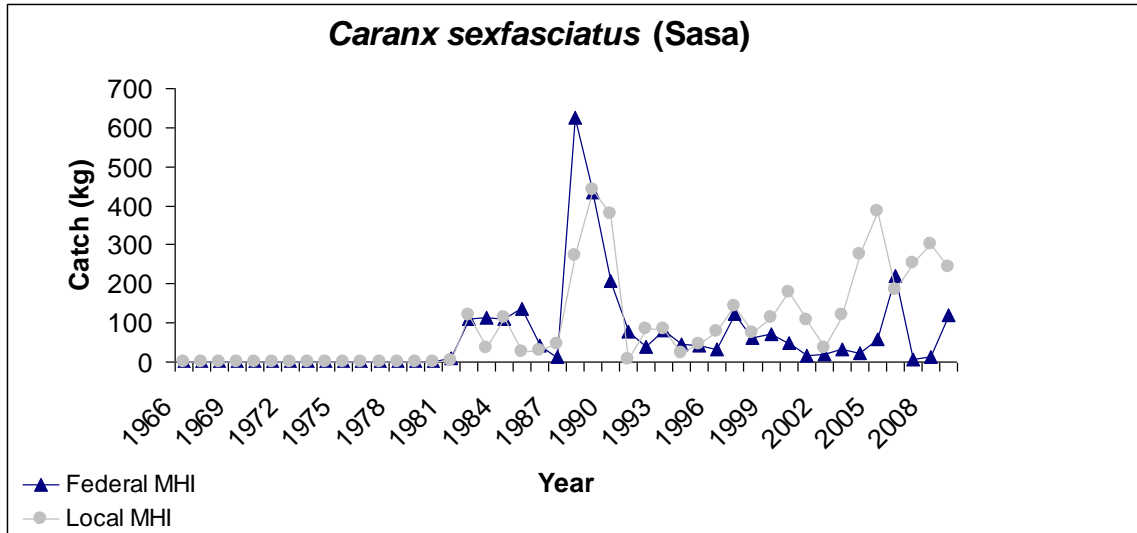
  

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	800.8	1,488.8
Standard Deviation	1,158.8	1,174.0
Confidence Value	342.4	346.9
Upper Bound CI	1,143.2	1,835.7
Lower Bound CI	458.4	1,141.9



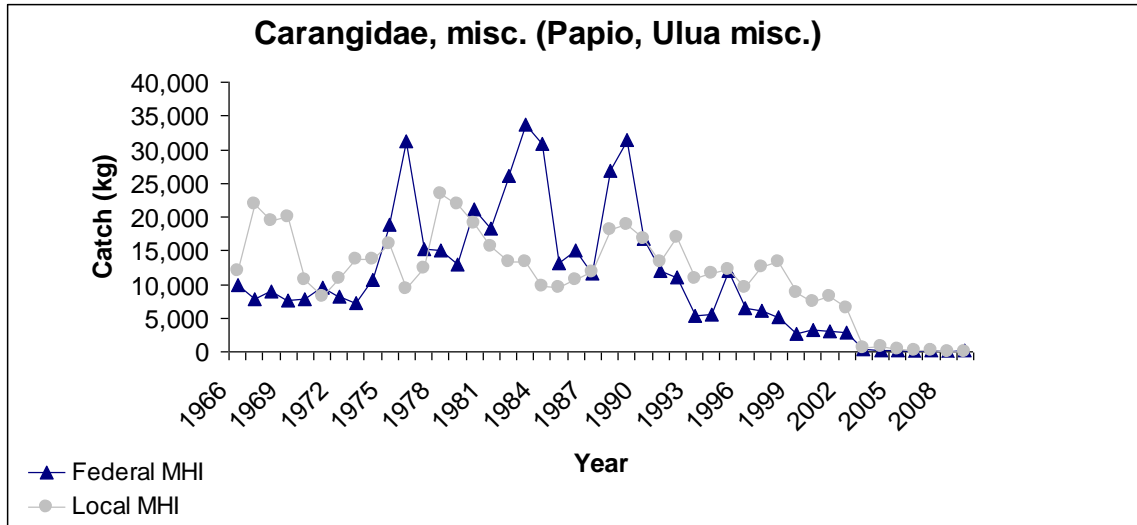
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1,114.1	1,032.2
Standard Deviation	454.6	259.3
Confidence Value	398.5	227.3
Upper Bound CI	1,512.6	1,259.5
Lower Bound CI	715.7	804.9

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	772.5	723.5
Standard Deviation	978.8	508.5
Confidence Value	289.2	150.2
Upper Bound CI	1,061.8	873.8
Lower Bound CI	483.3	573.3



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	83.1	272.9
Standard Deviation	89.8	76.3
Confidence Value	78.7	66.8
Upper Bound CI	161.8	339.7
Lower Bound CI	4.4	206.1

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	66.6	144.4
Standard Deviation	117.8	123.6
Confidence Value	34.8	36.5
Upper Bound CI	101.5	180.9
Lower Bound CI	31.8	107.9

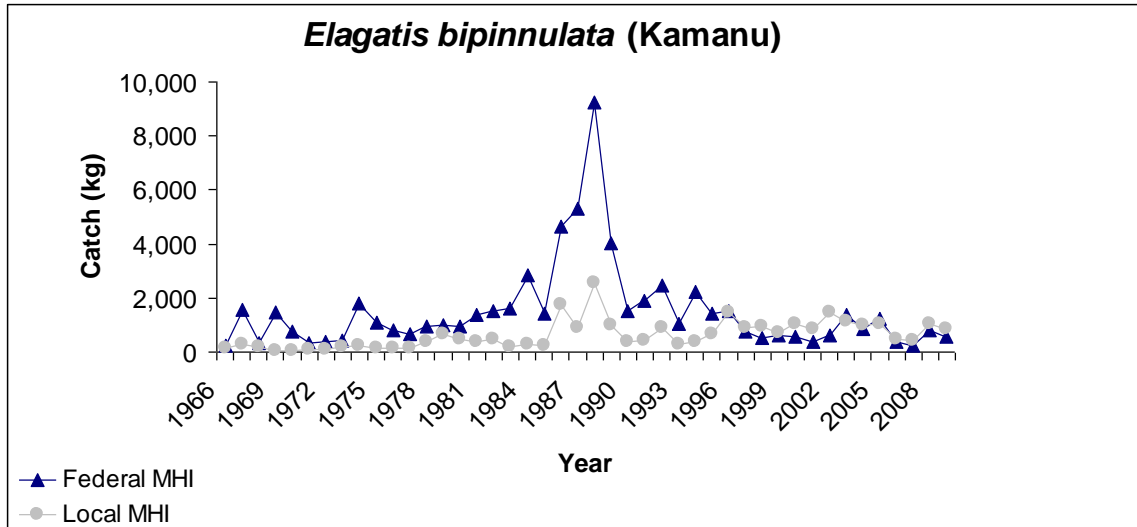


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	111.8	166.9
Standard Deviation	93.7	115.0
Confidence Value	82.1	100.8
Upper Bound CI	193.9	267.7
Lower Bound CI	29.7	66.1

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	11,190.7	11,446.2
Standard Deviation	9,401.0	6,358.8
Confidence Value	2,777.8	1,878.9
Upper Bound CI	13,968.5	13,325.1
Lower Bound CI	8,413.0	9,567.4

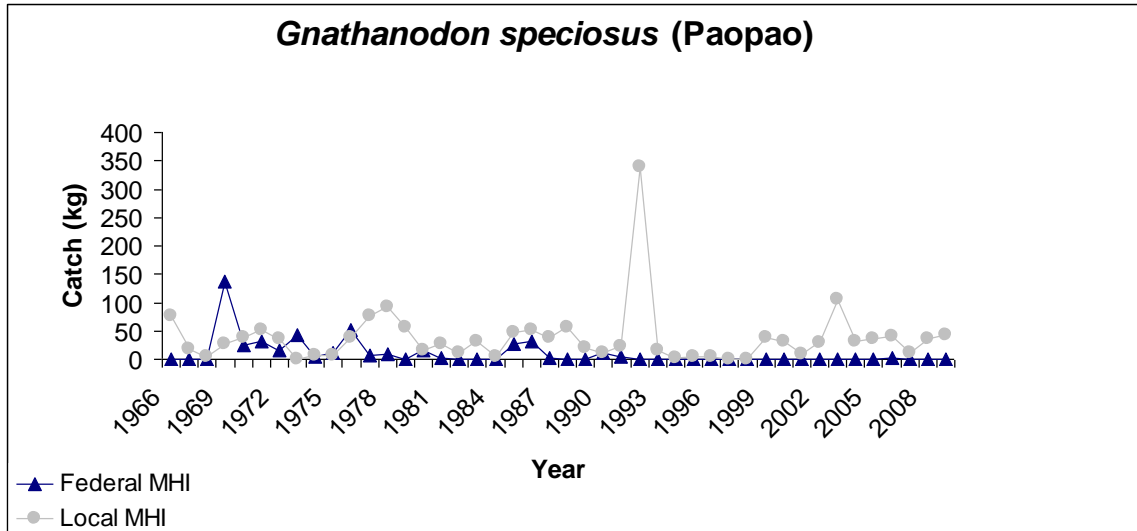




Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	655.7	779.2
Standard Deviation	401.1	291.5
Confidence Value	351.6	255.5
Upper Bound CI	1,007.3	1,034.7
Lower Bound CI	304.1	523.7

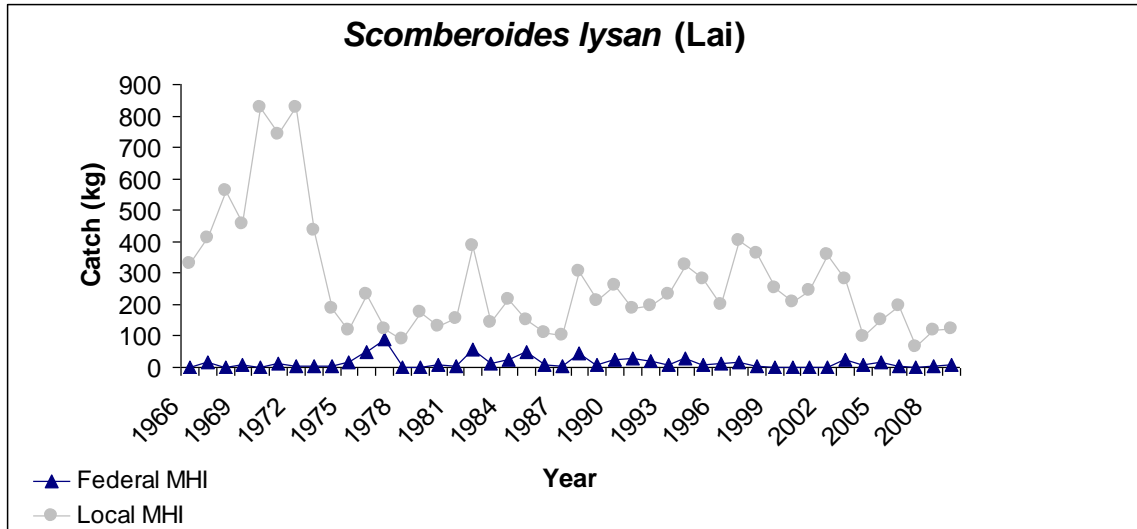
  

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,496.9	624.6
Standard Deviation	1,624.9	521.0
Confidence Value	480.1	153.9
Upper Bound CI	1,977.1	778.6
Lower Bound CI	1,016.8	470.7



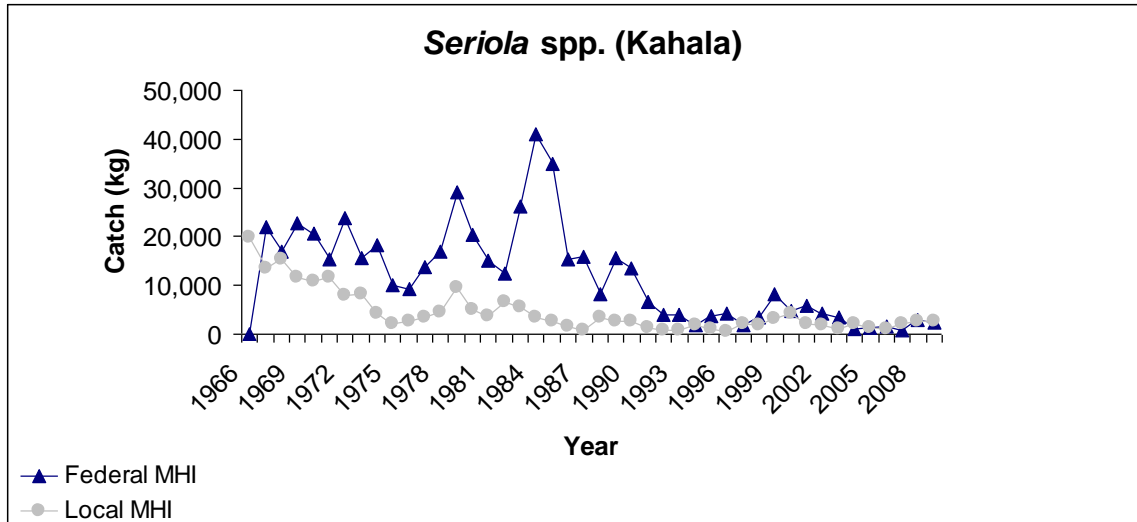
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.5	33.3
Standard Deviation	1.0	12.2
Confidence Value	0.9	10.7
Upper Bound CI	1.3	44.0
Lower Bound CI	-0.4	22.6

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	9.7	40.1
Standard Deviation	23.1	53.8
Confidence Value	6.8	15.9
Upper Bound CI	16.6	56.0
Lower Bound CI	2.9	24.2



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	6.5	129.9
Standard Deviation	5.8	47.9
Confidence Value	5.1	42.0
Upper Bound CI	11.6	171.8
Lower Bound CI	1.4	87.9

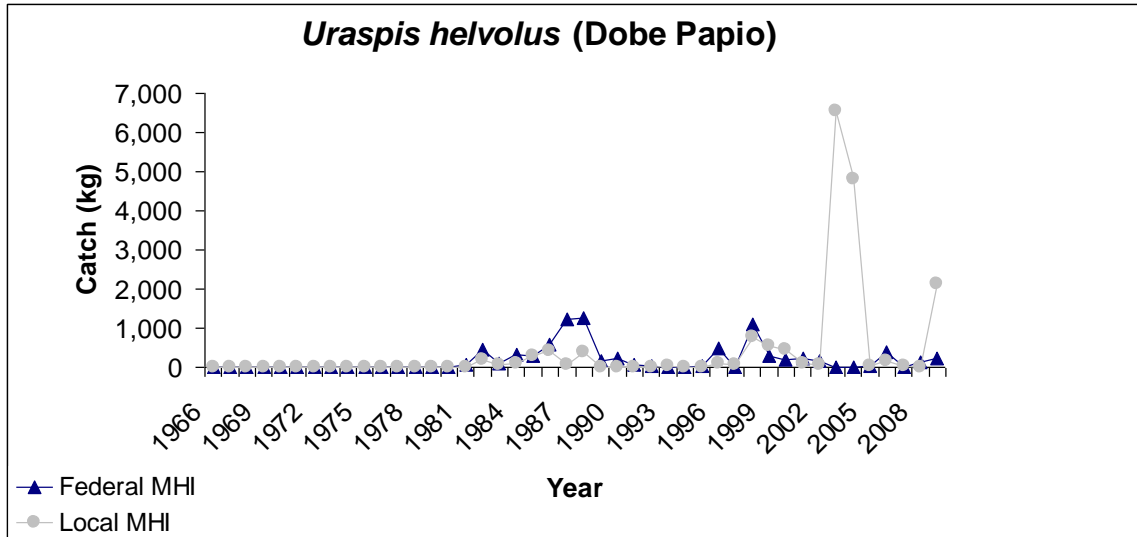
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	14.9	271.9
Standard Deviation	18.7	183.3
Confidence Value	5.5	54.1
Upper Bound CI	20.4	326.1
Lower Bound CI	9.3	217.8



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1,773.4	1,989.9
Standard Deviation	794.4	702.0
Confidence Value	696.3	615.3
Upper Bound CI	2,469.7	2,605.2
Lower Bound CI	1,077.1	1,374.6

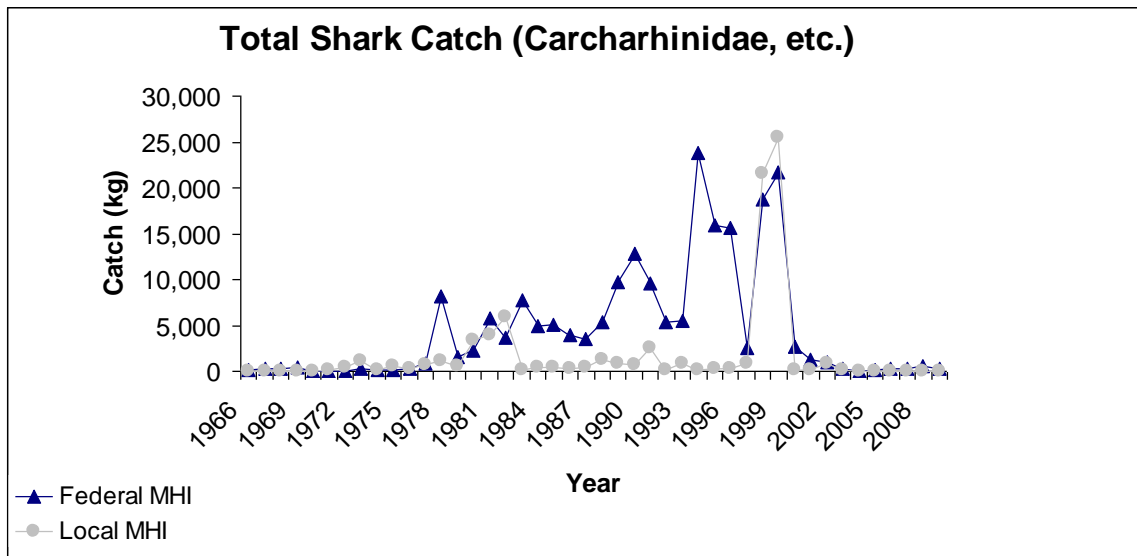
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	11,804.3	4,508.8
Standard Deviation	9,838.8	4,387.5
Confidence Value	2,907.1	1,296.4
Upper Bound CI	14,711.4	5,805.2
Lower Bound CI	8,897.2	3,212.4



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	149.2	468.7
Standard Deviation	153.4	931.5
Confidence Value	134.5	816.5
Upper Bound CI	283.7	1,285.2
Lower Bound CI	14.7	-347.7

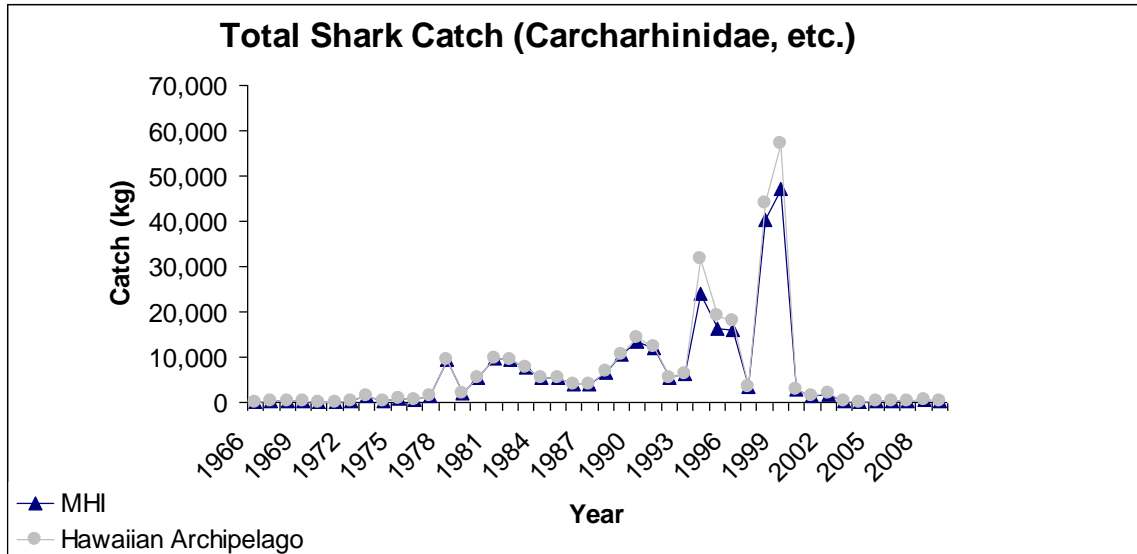
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	182.3	667.4
Standard Deviation	317.1	1,555.8
Confidence Value	93.7	459.7
Upper Bound CI	276.0	1,127.1
Lower Bound CI	88.6	207.7

# CARCHARHINIDAE, etc.



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	296.3	24.8
Standard Deviation	138.6	17.5
Confidence Value	40.9	15.3
Upper Bound CI	337.3	40.2
Lower Bound CI	255.4	9.5

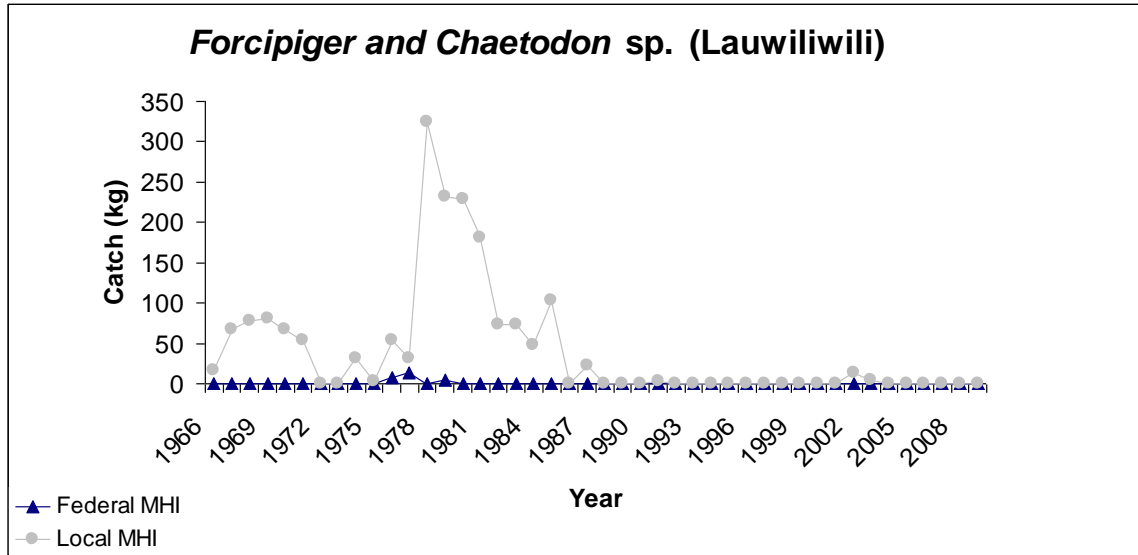
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	4,598.7	1,724.5
Standard Deviation	6,236.6	4,976.2
Confidence Value	1,842.8	1,470.3
Upper Bound CI	6,441.5	3,194.8
Lower Bound CI	2,755.9	254.1



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	321.2	334.2
Standard Deviation	129.9	128.0
Confidence Value	113.8	112.2
Upper Bound CI	435.0	446.4
Lower Bound CI	207.3	222.1

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	6,323.2	6,965.7
Standard Deviation	9,921.5	11,659.4
Confidence Value	2,931.6	3,445.1
Upper Bound CI	9,254.7	10,410.7
Lower Bound CI	3,391.6	3,520.6

# CHAETODONTIDAE

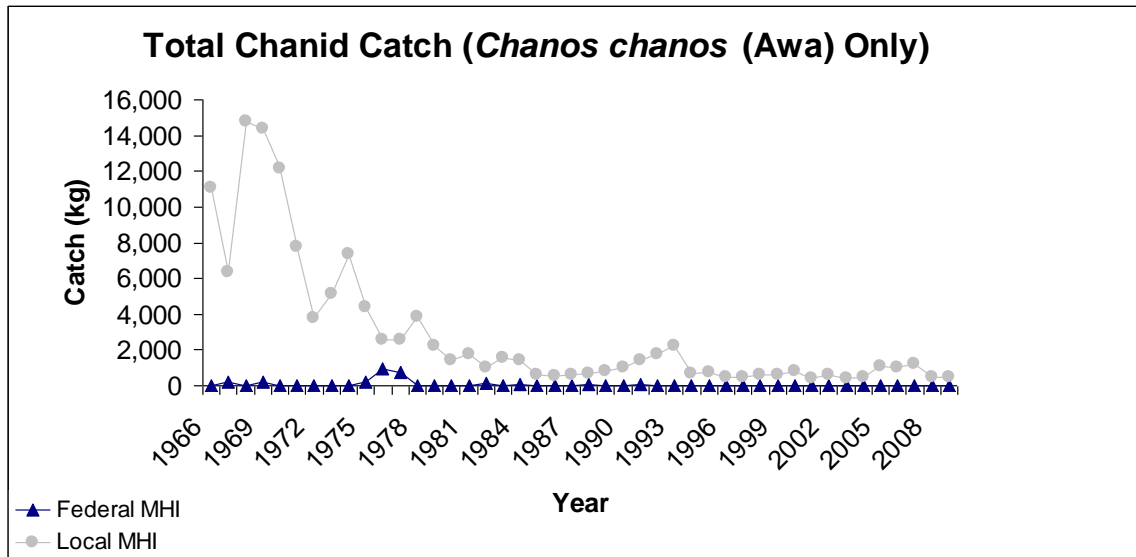


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	0.5
Standard Deviation	0.0	-
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	0.6	74.7
Standard Deviation	2.4	84.7
Confidence Value	0.7	25.0
Upper Bound CI	1.3	99.7
Lower Bound CI	-0.1	49.6



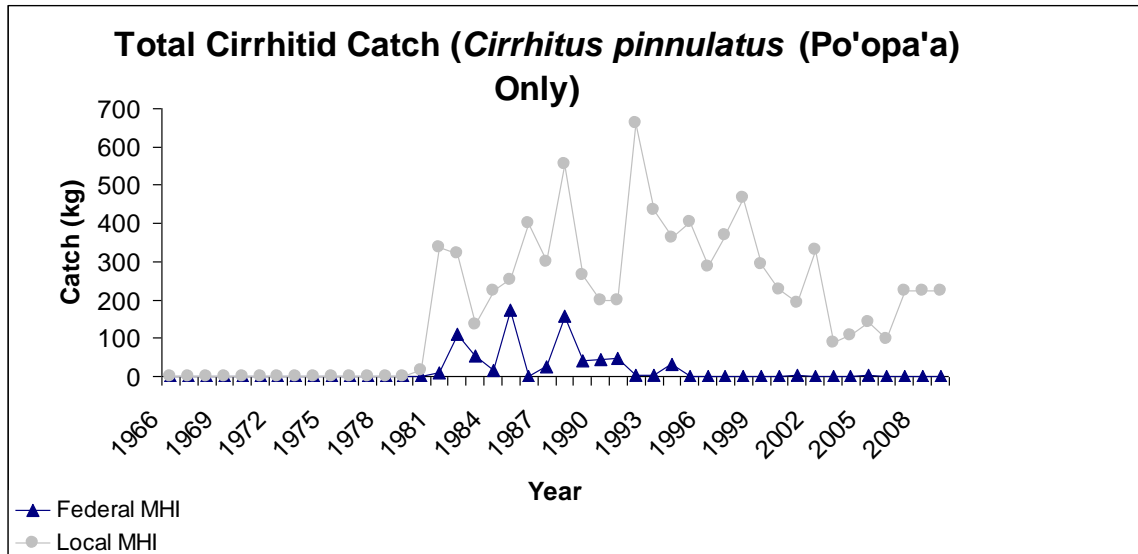
# CHANIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	868.4
Standard Deviation	0.0	359.7
Confidence Value	-	315.3
Upper Bound CI	-	1,183.7
Lower Bound CI	-	553.1

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	64.7	2,858.2
Standard Deviation	181.4	3,778.0
Confidence Value	53.6	1,116.3
Upper Bound CI	118.3	3,974.5
Lower Bound CI	11.1	1,741.9

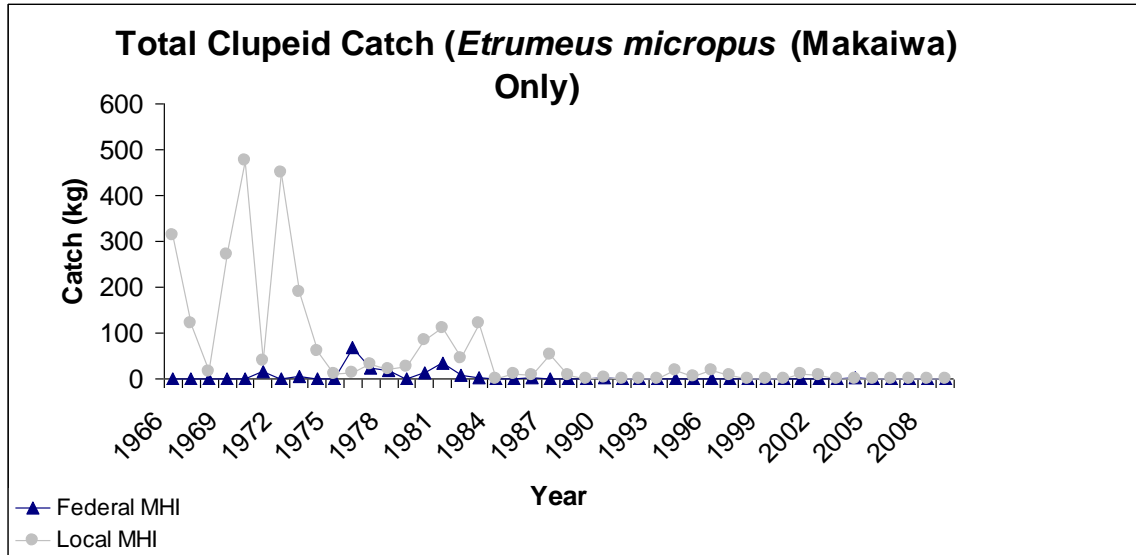
# CIRRHITIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.8	182.2
Standard Deviation	1.3	58.1
Confidence Value	1.2	50.9
Upper Bound CI	2.0	233.1
Lower Bound CI	-0.4	131.3

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	16.4	189.5
Standard Deviation	39.0	175.1
Confidence Value	11.5	51.7
Upper Bound CI	27.9	241.2
Lower Bound CI	4.9	137.8

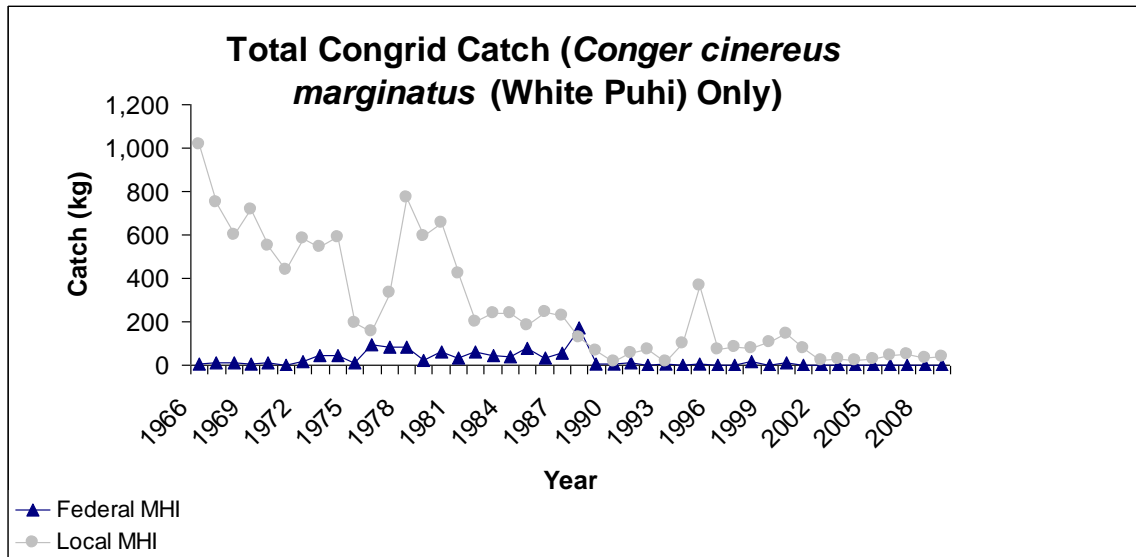
# CLUPEIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	-
Standard Deviation	0.0	-
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	4.6	79.7
Standard Deviation	12.2	126.6
Confidence Value	3.6	37.4
Upper Bound CI	8.2	117.2
Lower Bound CI	1.0	42.3

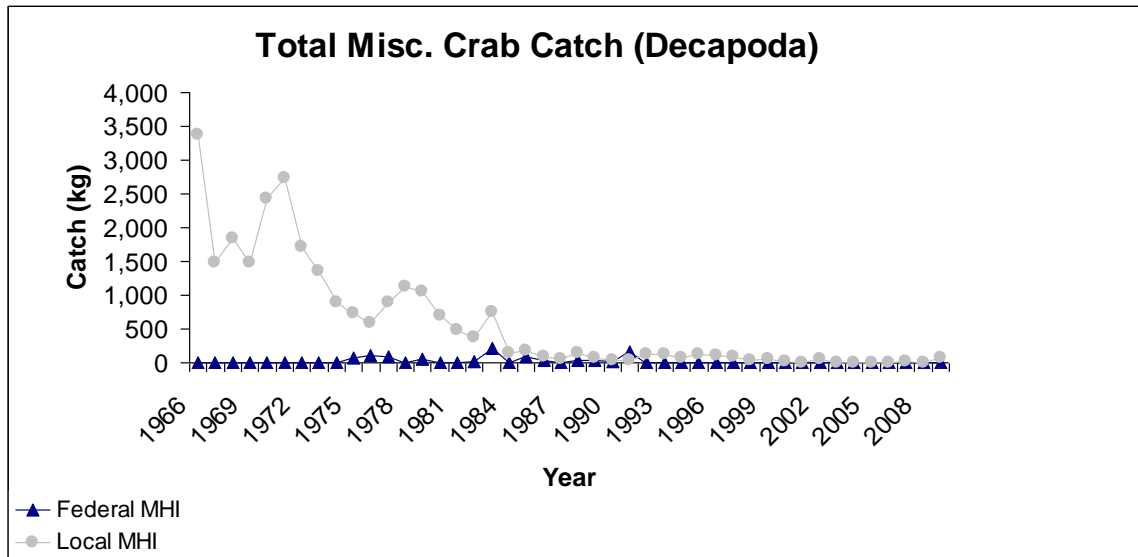
# CONGRIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	37.8
Standard Deviation	0.0	9.2
Confidence Value	-	8.0
Upper Bound CI	-	45.8
Lower Bound CI	-	29.8

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	24.3	270.3
Standard Deviation	35.1	264.1
Confidence Value	10.4	78.0
Upper Bound CI	34.7	348.3
Lower Bound CI	14.0	192.2

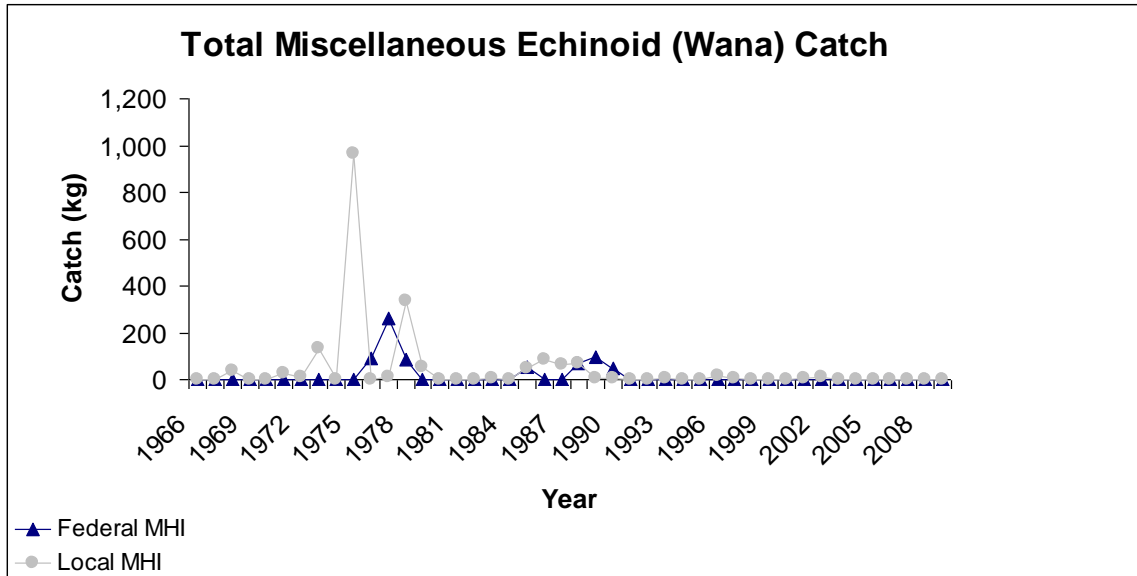
# DECAPODA



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	25.8
Standard Deviation	0.0	35.7
Confidence Value	-	31.3
Upper Bound CI	-	57.1
Lower Bound CI	-	-5.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	21.6	611.3
Standard Deviation	45.6	828.5
Confidence Value	13.5	244.8
Upper Bound CI	35.1	856.1
Lower Bound CI	8.1	366.5

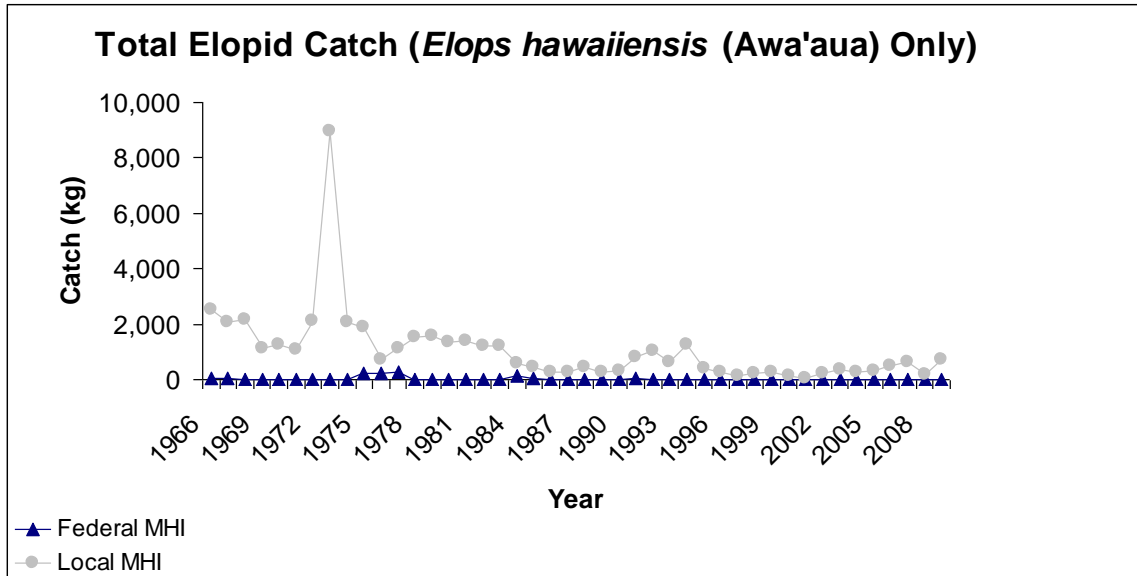
# ECHINOIDEA (WANA)



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.1	-
Standard Deviation	0.3	-
Confidence Value	0.3	-
Upper Bound CI	0.4	-
Lower Bound CI	-0.1	-

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	16.1	95.1
Standard Deviation	46.5	219.0
Confidence Value	13.7	64.7
Upper Bound CI	29.8	159.8
Lower Bound CI	2.3	30.4

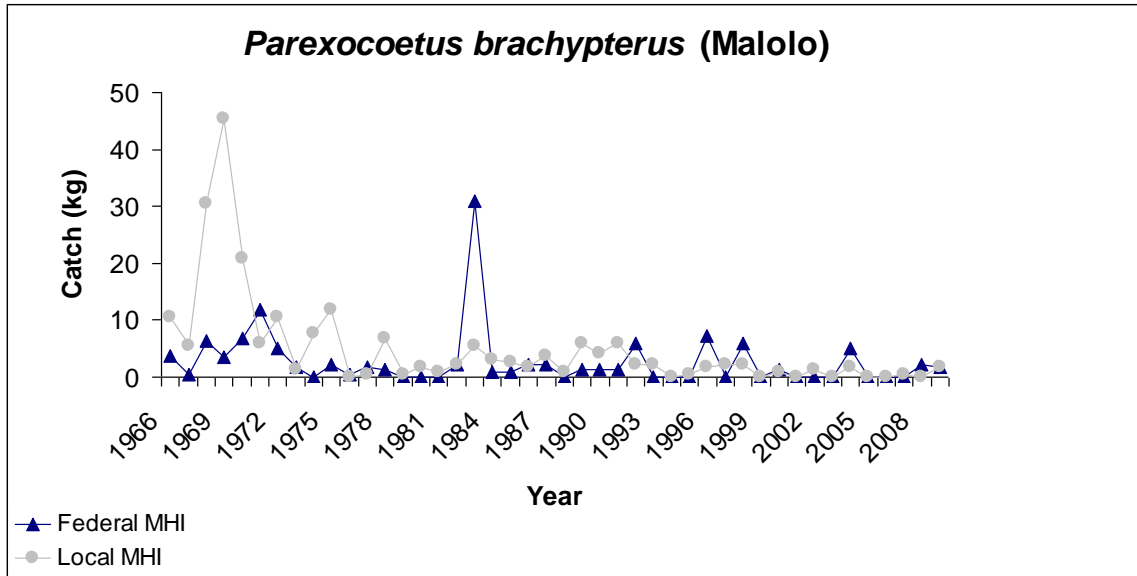
# ELOPIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	470.9
Standard Deviation	0.0	231.7
Confidence Value	-	203.1
Upper Bound CI	-	674.0
Lower Bound CI	-	267.8

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	24.1	1,052.9
Standard Deviation	62.9	1,393.9
Confidence Value	18.6	411.8
Upper Bound CI	42.7	1,464.8
Lower Bound CI	5.5	641.1

# EXOCOETIDAE

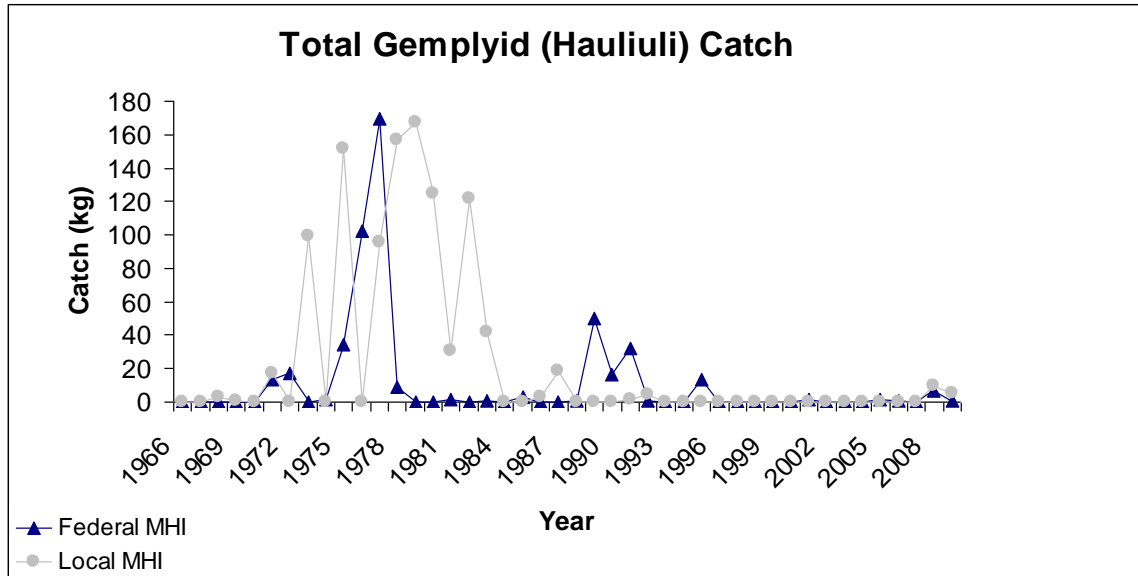


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.8	0.8
Standard Deviation	1.1	0.9
Confidence Value	1.0	0.8
Upper Bound CI	1.8	1.5
Lower Bound CI	-0.2	0.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2.7	5.8
Standard Deviation	5.1	9.0
Confidence Value	1.5	2.7
Upper Bound CI	4.2	8.4
Lower Bound CI	1.2	3.1



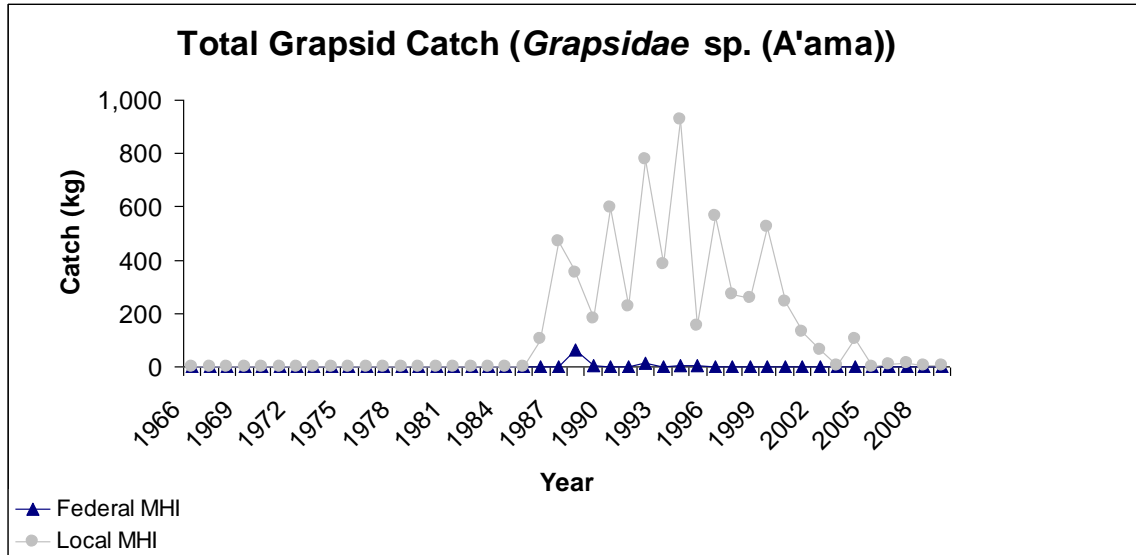
# GEMPLYIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	2.1	7.3
Standard Deviation	2.7	2.9
Confidence Value	2.4	2.5
Upper Bound CI	4.5	9.8
Lower Bound CI	-0.3	4.8

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	10.9	58.5
Standard Deviation	30.5	62.7
Confidence Value	9.0	18.5
Upper Bound CI	19.9	77.1
Lower Bound CI	1.9	40.0

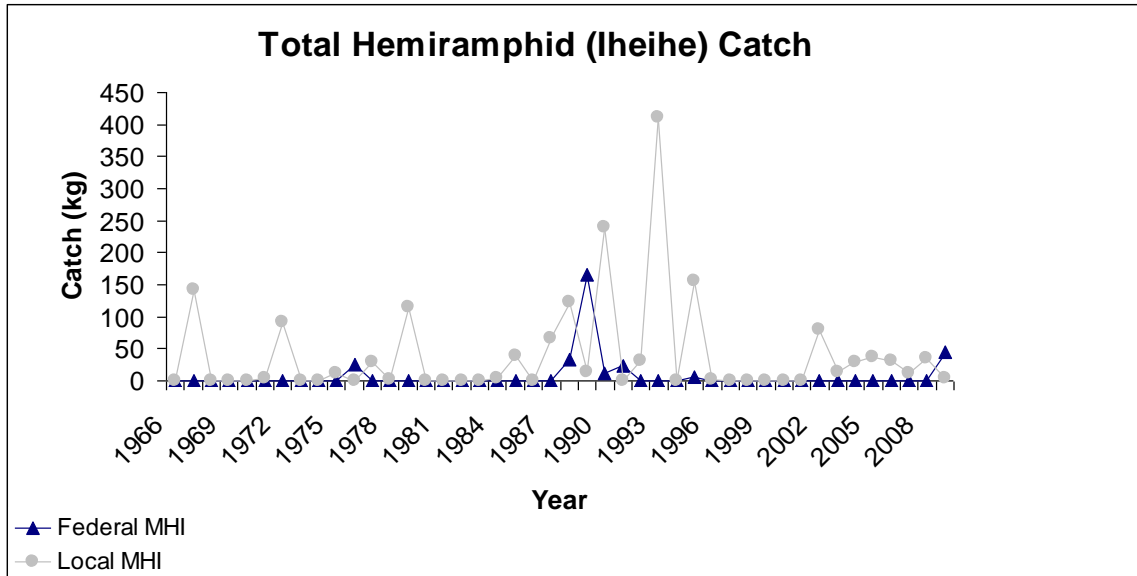
# GRAPSIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	8.0
Standard Deviation	0.0	3.4
Confidence Value	-	3.0
Upper Bound CI	-	10.9
Lower Bound CI	-	5.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2.1	277.1
Standard Deviation	9.8	260.7
Confidence Value	2.9	77.0
Upper Bound CI	5.0	354.2
Lower Bound CI	-0.8	200.1

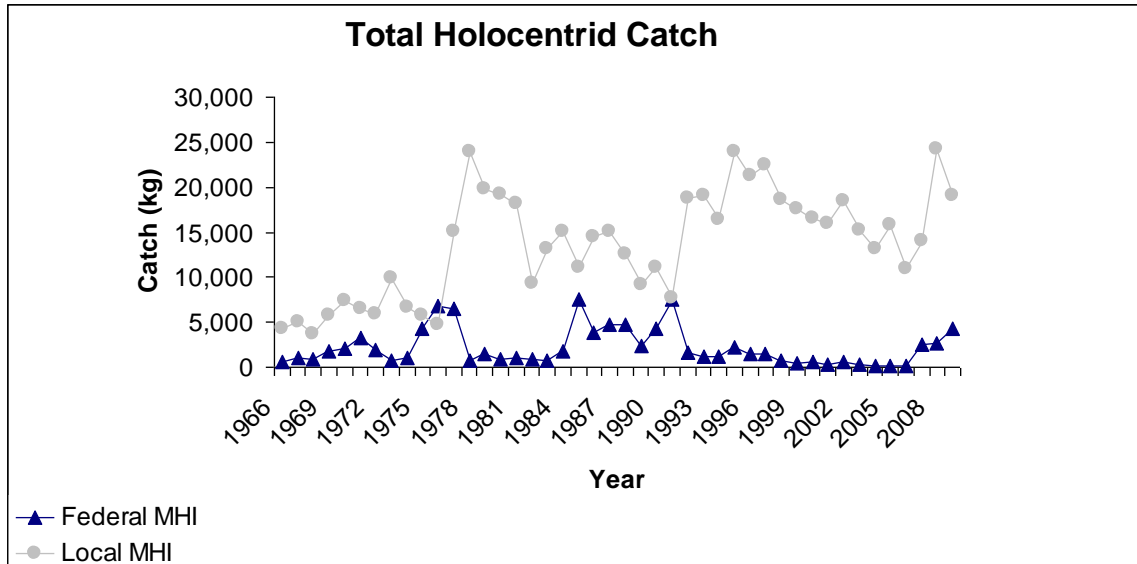
# HEMIRAMPHIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	9.1	23.3
Standard Deviation	20.3	15.3
Confidence Value	17.8	13.4
Upper Bound CI	26.9	36.6
Lower Bound CI	-8.7	9.9

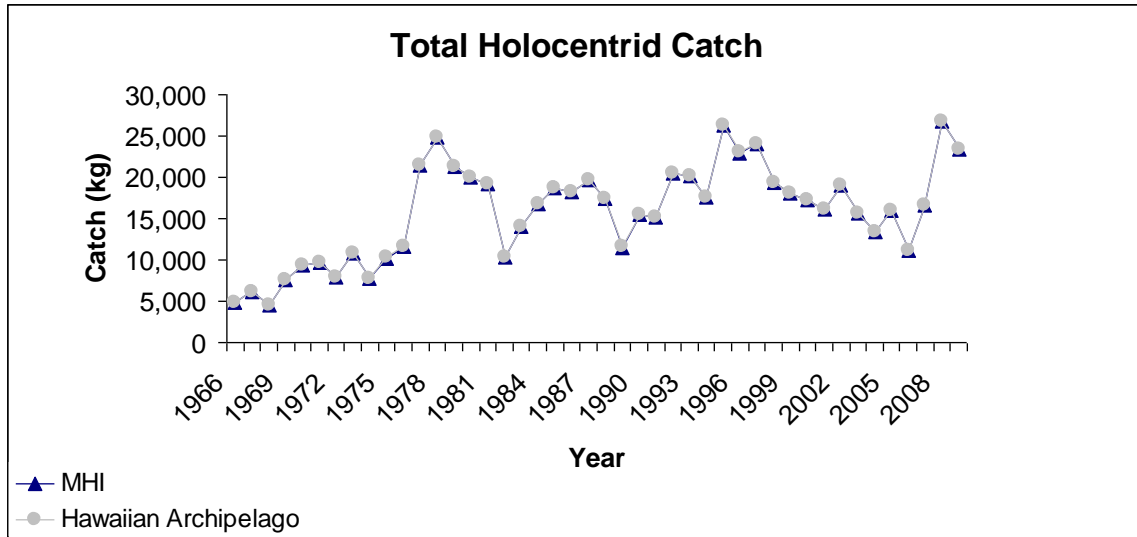
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	7.0	61.5
Standard Deviation	26.2	90.3
Confidence Value	7.7	26.7
Upper Bound CI	14.7	88.2
Lower Bound CI	-0.7	34.8

# HOLOCENTRIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1,958.0	16,801.2
Standard Deviation	1,761.2	5,087.5
Confidence Value	520.4	4,459.3
Upper Bound CI	2,478.4	21,260.5
Lower Bound CI	1,437.6	12,341.9

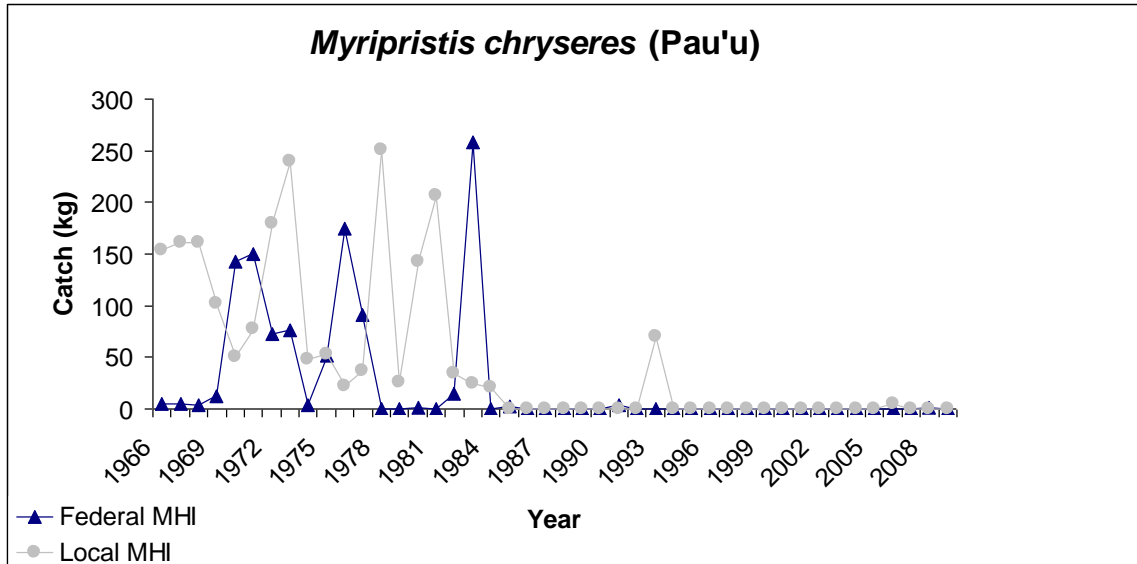
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2,178.9	13,689.4
Standard Deviation	2,036.2	5,916.8
Confidence Value	601.7	1,748.3
Upper Bound CI	2,780.5	15,437.6
Lower Bound CI	1,577.2	11,941.1



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	18,759.2	18,759.3
Standard Deviation	6,283.5	6,283.4
Confidence Value	5,507.6	5,507.6
Upper Bound CI	24,266.8	24,266.8
Lower Bound CI	13,251.6	13,251.7

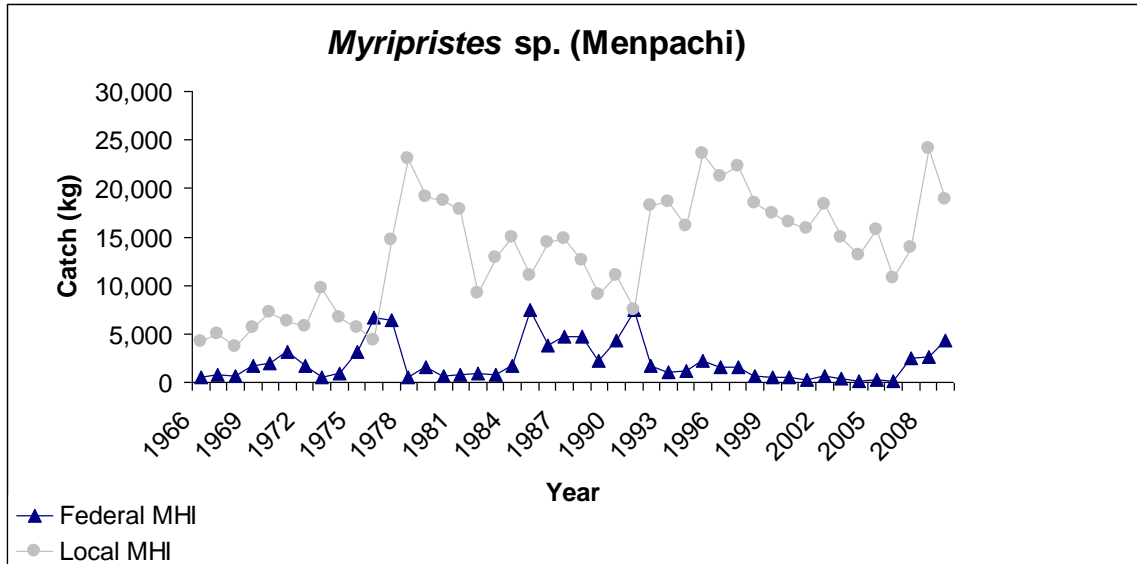
  

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	15,868.3	15,880.0
Standard Deviation	5,819.7	5,819.7
Confidence Value	1,719.6	1,719.6
Upper Bound CI	17,587.8	17,599.6
Lower Bound CI	14,148.7	14,160.4



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	5.4	0.2
Standard Deviation	-	0.4
Confidence Value	-	0.4
Upper Bound CI	-	0.5
Lower Bound CI	-	-0.2

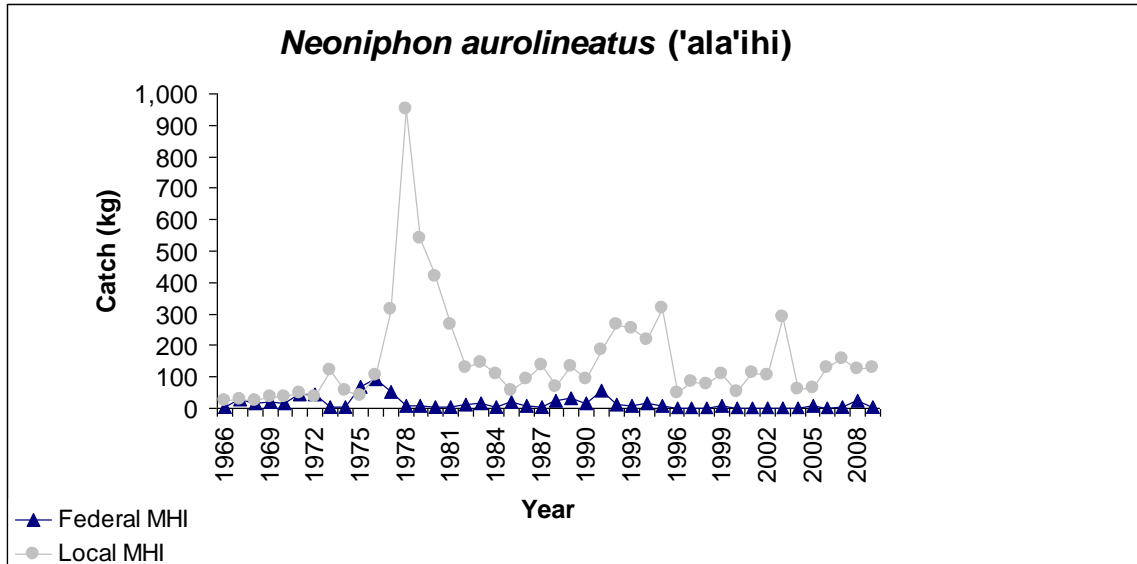
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	98.4	24.3
Standard Deviation	77.9	56.4
Confidence Value	23.0	16.7
Upper Bound CI	121.5	41.0
Lower Bound CI	75.4	7.6



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1,948.4	16,648.9
Standard Deviation	1,760.9	5,100.8
Confidence Value	1,543.5	4,470.9
Upper Bound CI	3,491.9	21,119.9
Lower Bound CI	404.9	12,178.0

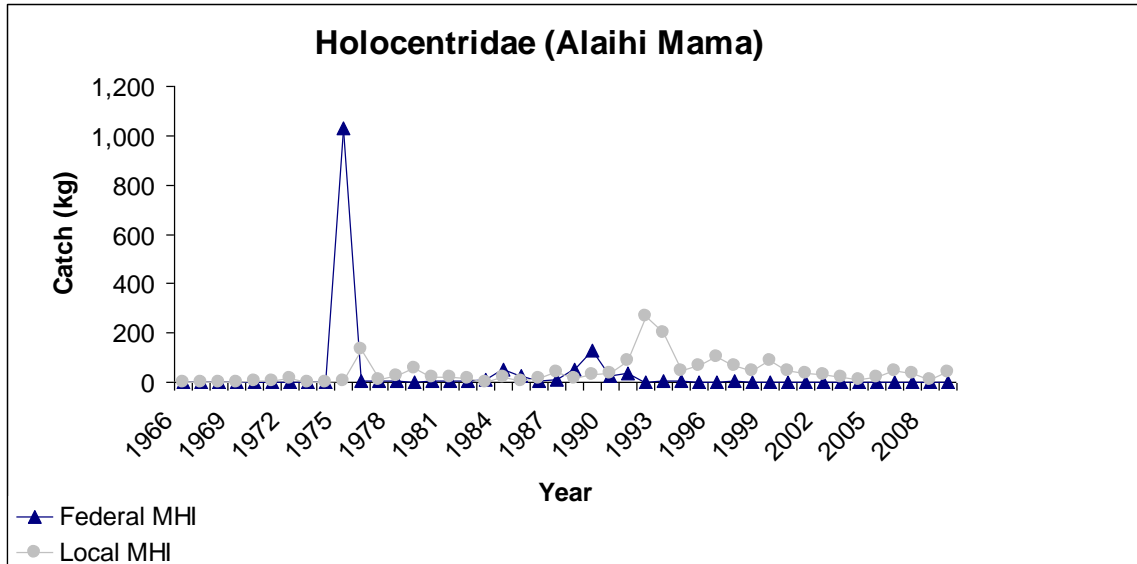
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2,083.0	13,470.6
Standard Deviation	2,018.2	5,833.9
Confidence Value	596.3	1,723.8
Upper Bound CI	2,679.3	15,194.4
Lower Bound CI	1,486.7	11,746.8





Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	8.5	121.4
Standard Deviation	9.6	33.4
Confidence Value	8.4	29.3
Upper Bound CI	16.9	150.6
Lower Bound CI	0.1	92.1

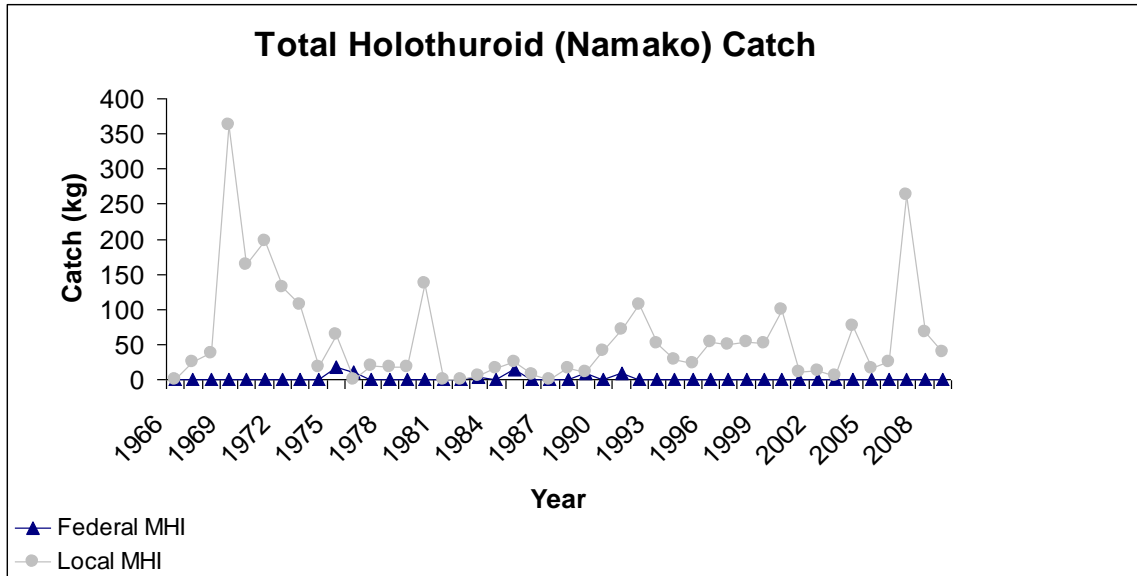
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	16.2	154.6
Standard Deviation	20.3	165.5
Confidence Value	6.0	48.9
Upper Bound CI	22.3	203.5
Lower Bound CI	10.2	105.7



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	30.7
Standard Deviation	0.0	14.5
Confidence Value	-	12.7
Upper Bound CI	-	43.5
Lower Bound CI	-	18.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	32.7	43.8
Standard Deviation	155.6	53.9
Confidence Value	46.0	15.9
Upper Bound CI	78.7	59.8
Lower Bound CI	-13.3	27.9

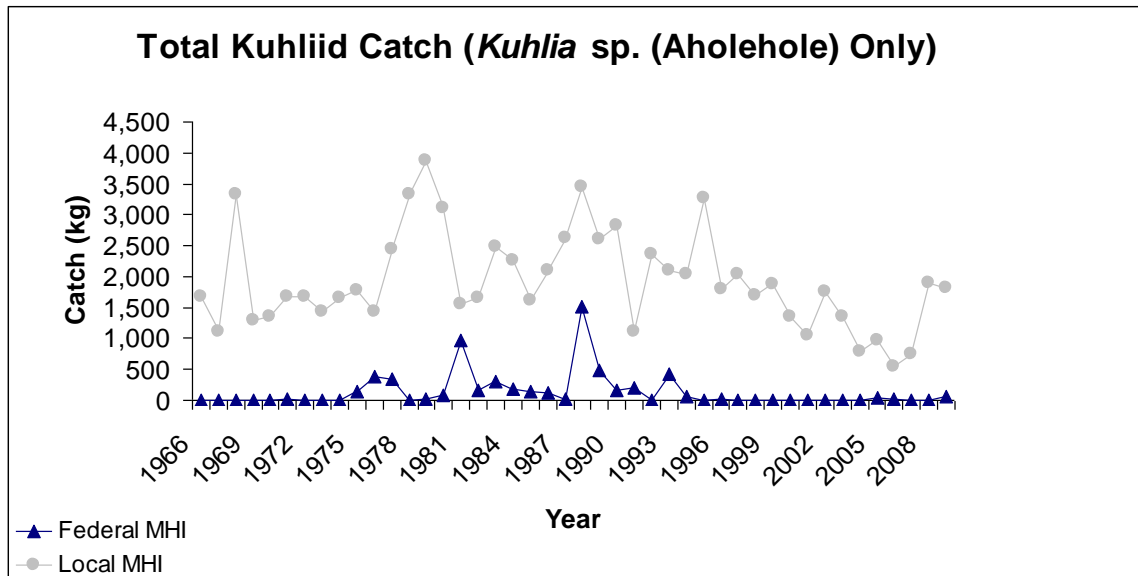
# HOLOTHUROIDEA



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	82.1
Standard Deviation	0.0	103.5
Confidence Value	-	90.7
Upper Bound CI	-	172.7
Lower Bound CI	-	-8.6

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1.5	64.7
Standard Deviation	4.1	75.3
Confidence Value	1.2	22.2
Upper Bound CI	2.7	86.9
Lower Bound CI	0.3	42.5

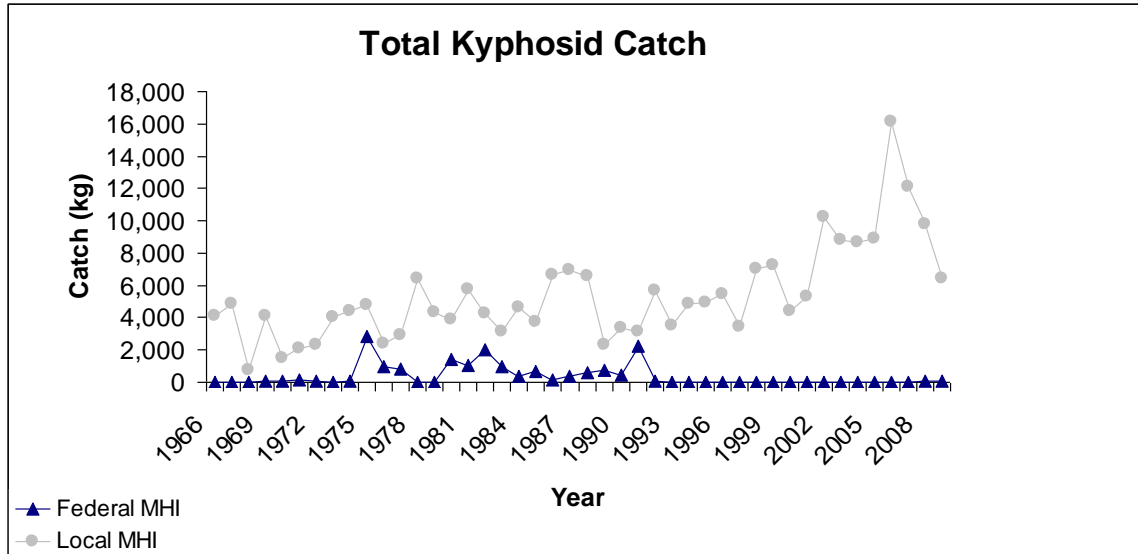
# KUHLIIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	21.9	1,198.8
Standard Deviation	22.8	618.9
Confidence Value	19.9	542.5
Upper Bound CI	41.8	1,741.3
Lower Bound CI	1.9	656.3

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	132.0	1,930.2
Standard Deviation	279.9	779.7
Confidence Value	82.7	230.4
Upper Bound CI	214.7	2,160.6
Lower Bound CI	49.3	1,699.8

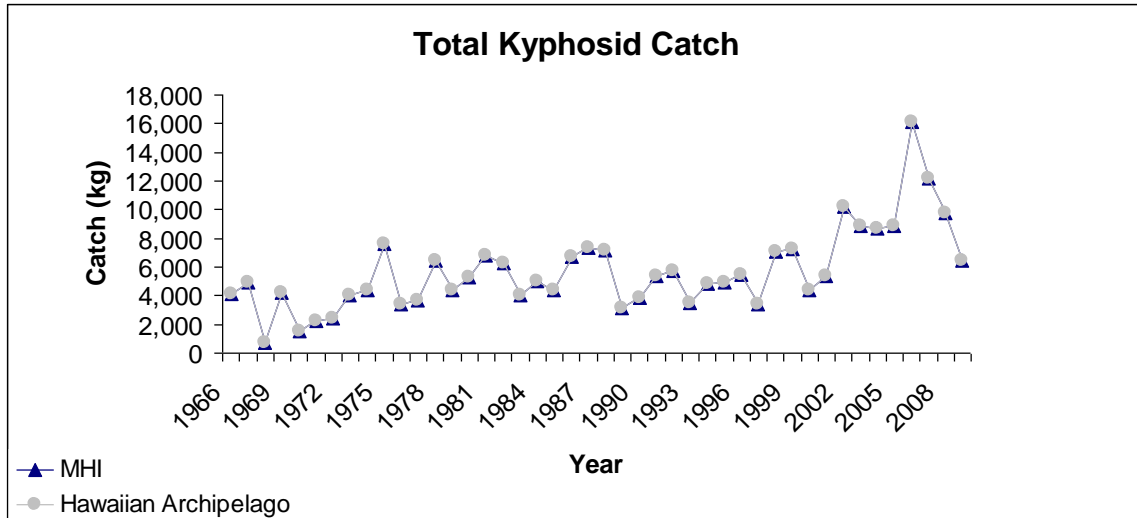
# KYPHOSIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	23.7	10,659.2
Standard Deviation	18.1	3,684.9
Confidence Value	5.3	3,229.9
Upper Bound CI	29.0	13,889.1
Lower Bound CI	18.3	7,429.4

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	375.3	5,365.0
Standard Deviation	659.4	2,939.2
Confidence Value	194.8	868.5
Upper Bound CI	570.1	6,233.4
Lower Bound CI	180.4	4,496.5

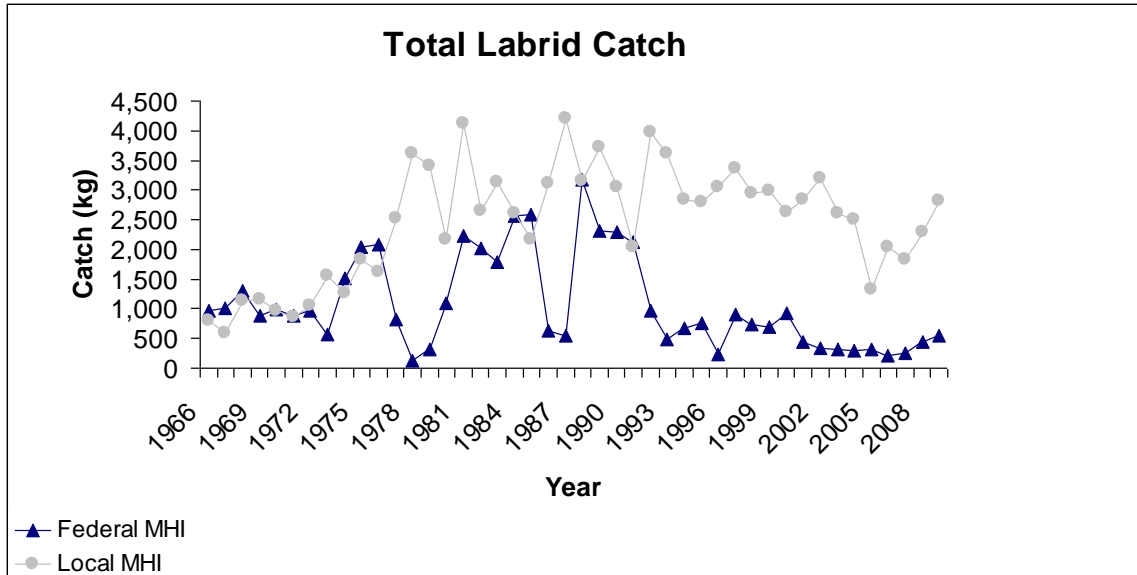


Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	10,682.9	10,682.9
Standard Deviation	3,678.1	3,678.1
Confidence Value	3,223.9	3,223.9
Upper Bound CI	13,906.8	13,906.8
Lower Bound CI	7,459.0	7,459.0

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	5,740.2	5,740.2
Standard Deviation	2,841.6	2,841.6
Confidence Value	839.6	839.6
Upper Bound CI	6,579.8	6,579.8
Lower Bound CI	4,900.6	4,900.6

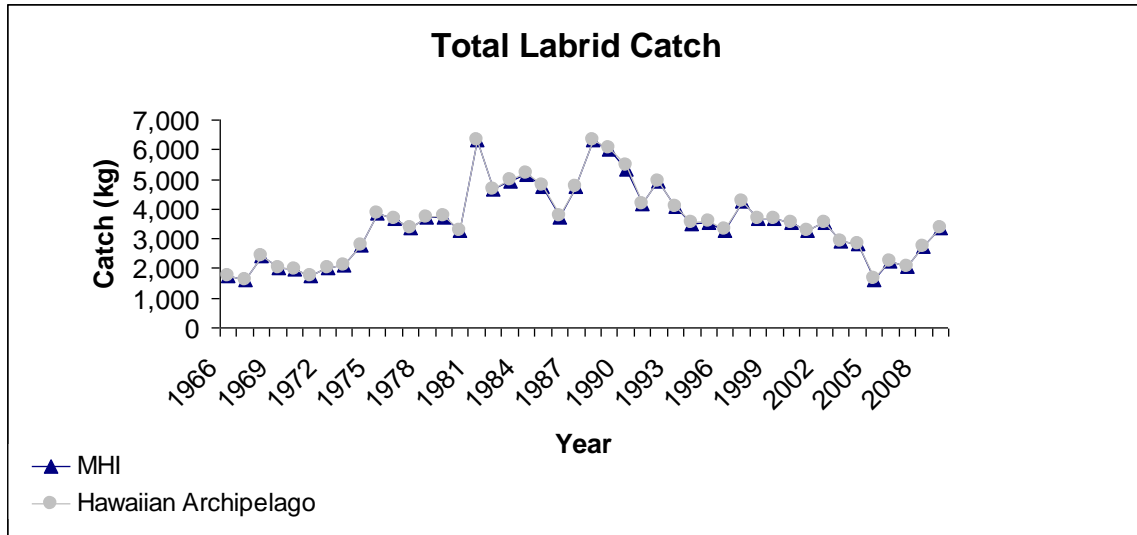
# LABRIDAE





Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	352.0	2,059.4
Standard Deviation	136.0	555.7
Confidence Value	40.2	487.1
Upper Bound CI	392.1	2,546.5
Lower Bound CI	311.8	1,572.3

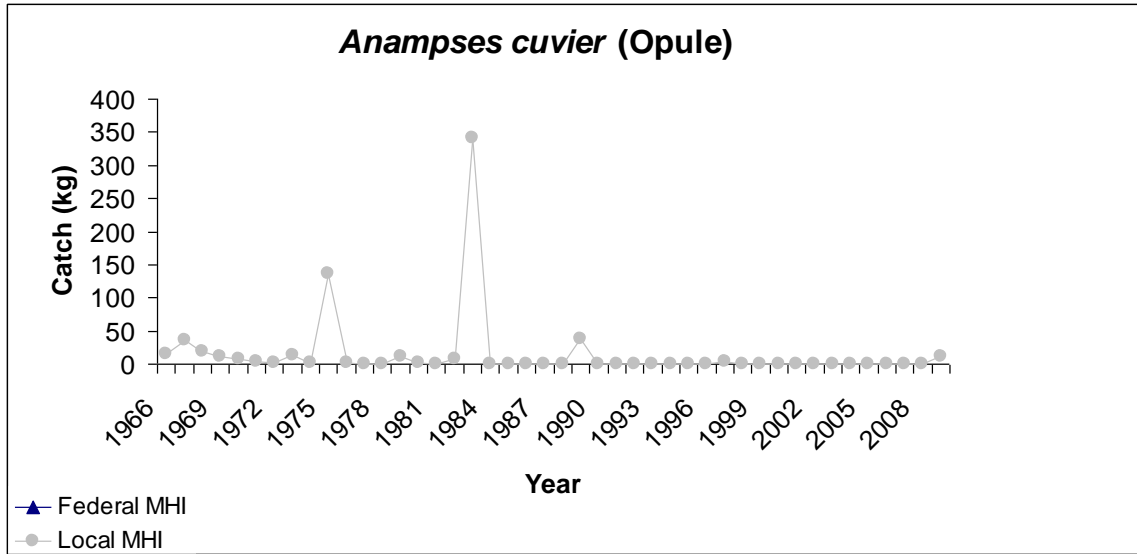
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,075.5	2,456.5
Standard Deviation	789.1	964.1
Confidence Value	233.2	284.9
Upper Bound CI	1,308.6	2,741.4
Lower Bound CI	842.3	2,171.6



Confidence Value	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	2,411.4	2,413.9
Standard Deviation	660.5	657.9
Confidence Value	579.0	576.7
Upper Bound CI	2,990.3	2,990.6
Lower Bound CI	1,832.4	1,837.2

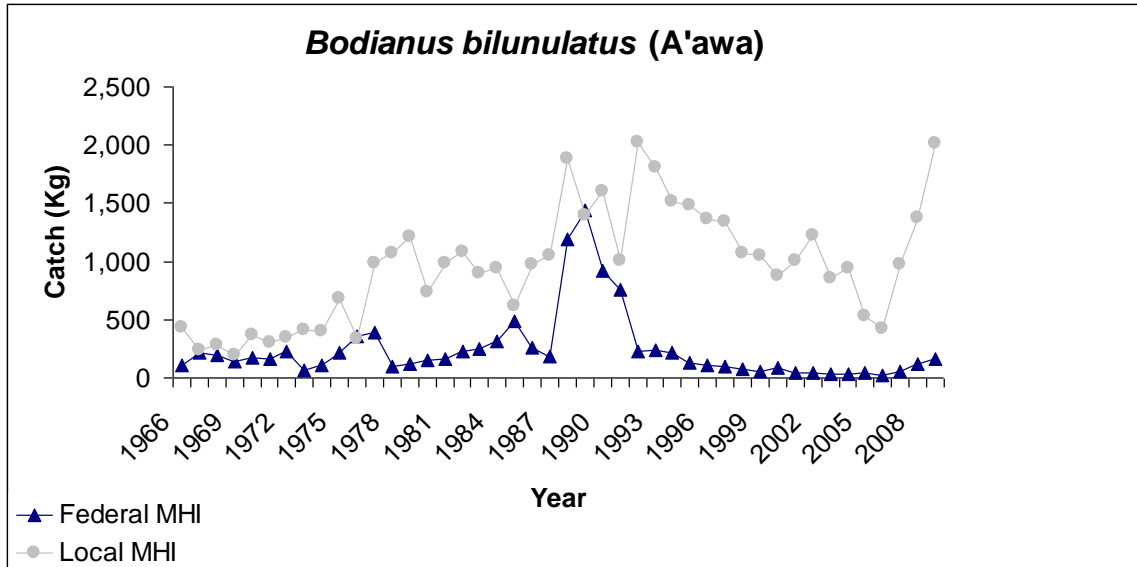
  

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	3,532.0	3,546.2
Standard Deviation	1,255.5	1,266.9
Confidence Value	371.0	374.3
Upper Bound CI	3,903.0	3,920.5
Lower Bound CI	3,161.0	3,171.8



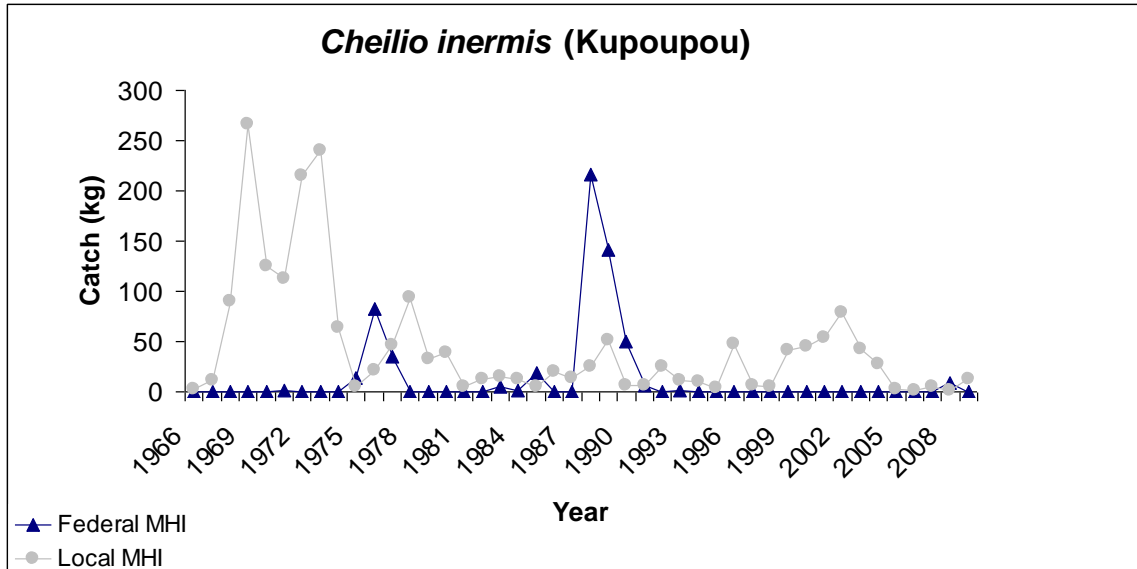
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	268.6	947.7
Standard Deviation	78.9	360.8
Confidence Value	69.2	316.3
Upper Bound CI	337.8	1,264.0
Lower Bound CI	199.4	631.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	748.6	1,119.0
Standard Deviation	542.9	500.1
Confidence Value	160.4	147.8
Upper Bound CI	909.0	1,266.7
Lower Bound CI	588.2	971.2



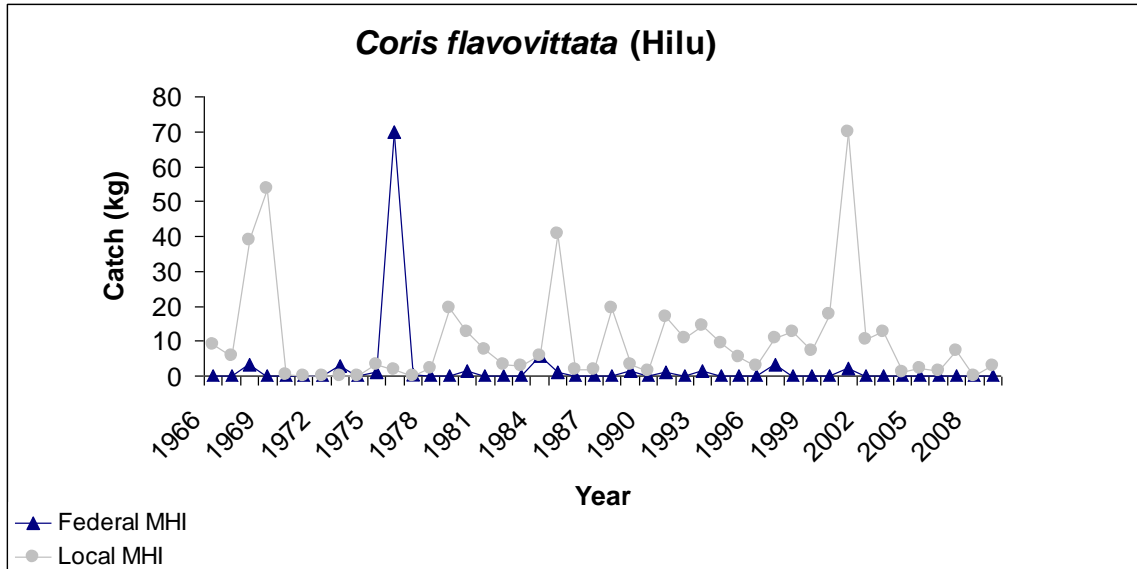
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	79.1	1,061.9
Standard Deviation	59.0	652.8
Confidence Value	51.7	572.2
Upper Bound CI	130.9	1,634.1
Lower Bound CI	27.4	489.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	243.5	961.1
Standard Deviation	295.3	492.3
Confidence Value	87.3	145.5
Upper Bound CI	330.8	1,106.6
Lower Bound CI	156.2	815.7



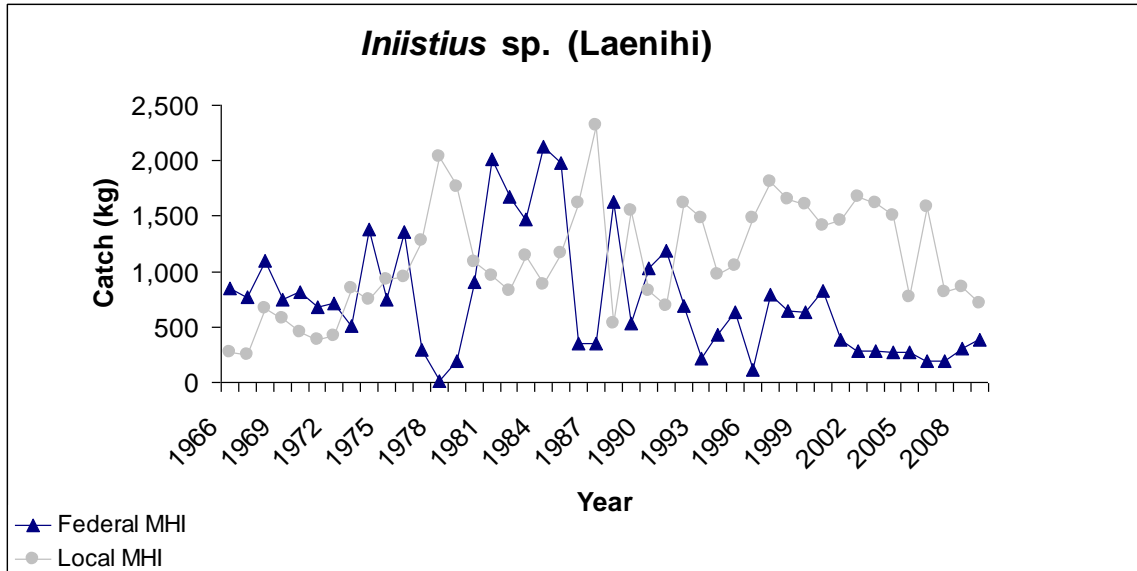
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1.7	4.4
Standard Deviation	3.8	4.4
Confidence Value	3.3	3.9
Upper Bound CI	5.0	8.3
Lower Bound CI	-1.6	0.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	13.2	44.5
Standard Deviation	40.4	62.2
Confidence Value	11.9	18.4
Upper Bound CI	25.1	62.9
Lower Bound CI	1.3	26.1



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	3.4
Standard Deviation	0.0	2.5
Confidence Value	-	2.2
Upper Bound CI	-	5.6
Lower Bound CI	-	1.2

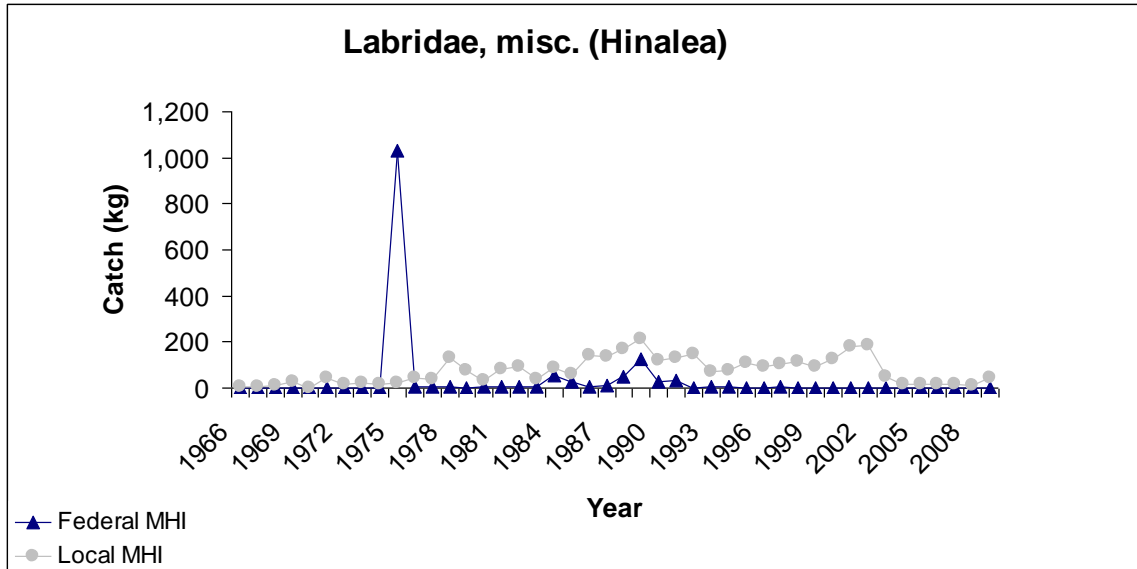
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2.1	11.9
Standard Deviation	10.5	15.1
Confidence Value	3.1	4.5
Upper Bound CI	5.3	16.4
Lower Bound CI	-1.0	7.4



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	268.6	947.7
Standard Deviation	78.9	360.8
Confidence Value	69.2	316.3
Upper Bound CI	337.8	1,264.0
Lower Bound CI	199.4	631.5

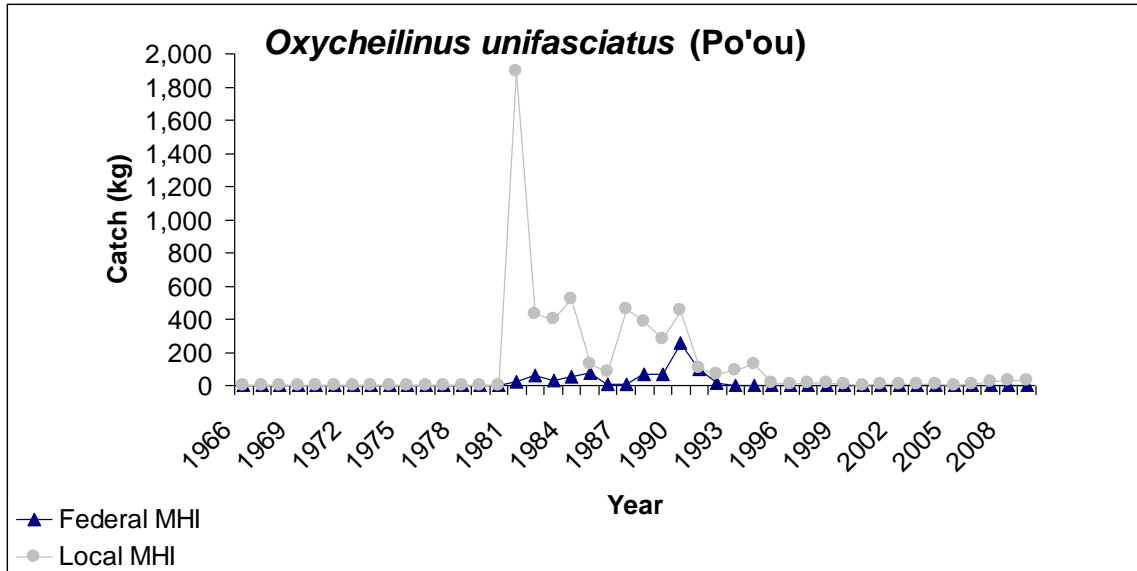
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	748.6	1,119.0
Standard Deviation	542.9	500.1
Confidence Value	160.4	147.8
Upper Bound CI	909.0	1,266.7
Lower Bound CI	588.2	971.2



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	20.8
Standard Deviation	0.0	12.1
Confidence Value	-	10.6
Upper Bound CI	-	31.4
Lower Bound CI	-	10.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	32.7	73.7
Standard Deviation	155.6	56.7
Confidence Value	46.0	16.7
Upper Bound CI	78.7	90.5
Lower Bound CI	-13.3	57.0

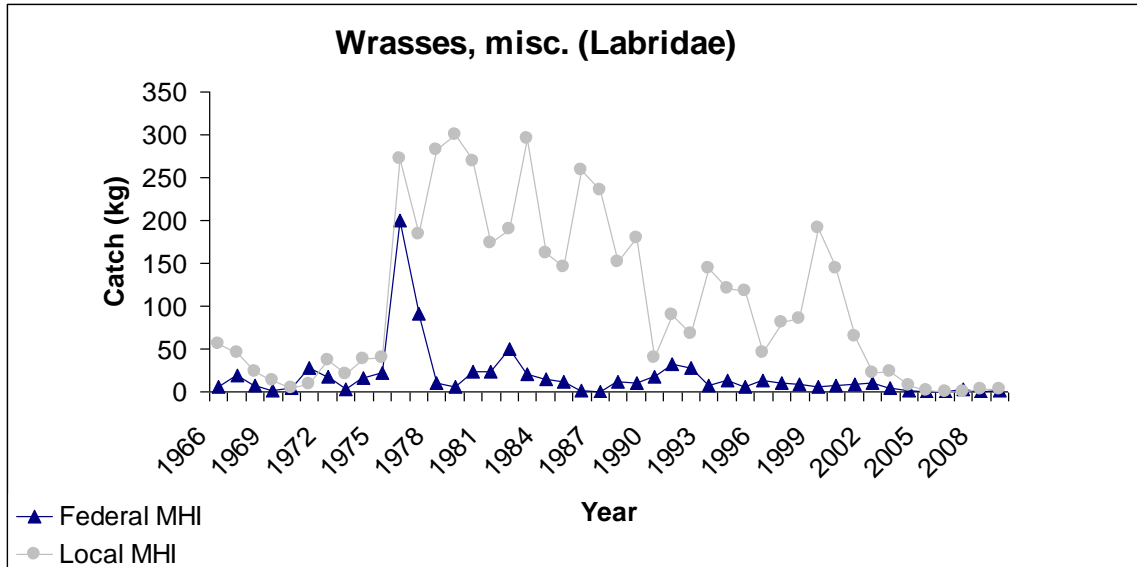




Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1.9	22.9
Standard Deviation	1.8	10.2
Confidence Value	1.6	9.0
Upper Bound CI	3.5	31.9
Lower Bound CI	0.3	13.9

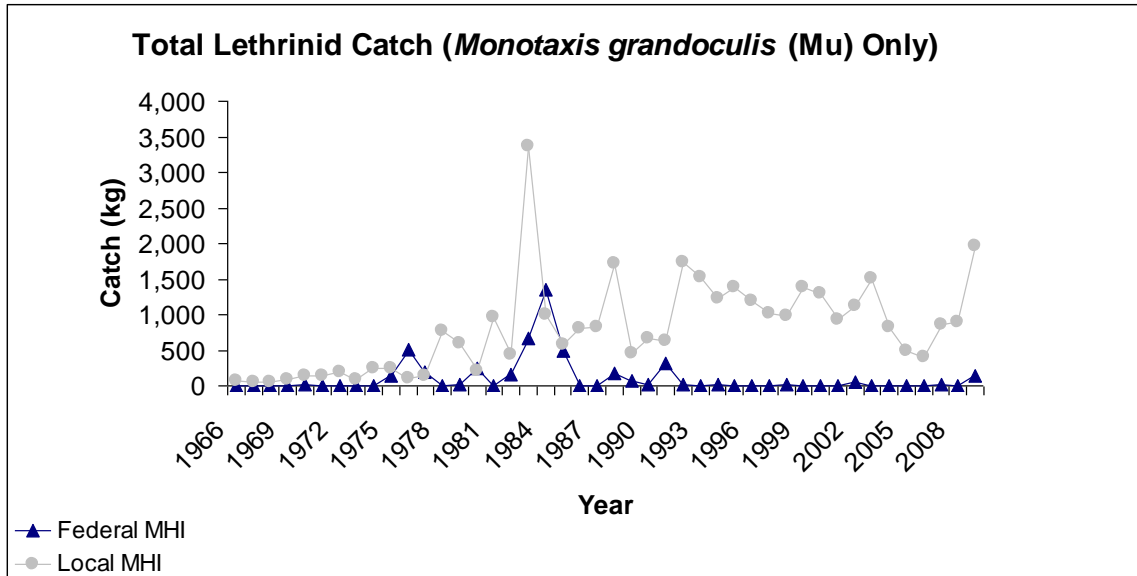
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	17.6	200.3
Standard Deviation	44.3	375.2
Confidence Value	13.1	110.9
Upper Bound CI	30.7	311.2
Lower Bound CI	4.5	89.5



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.7	1.8
Standard Deviation	1.0	0.8
Confidence Value	0.9	0.7
Upper Bound CI	1.6	2.5
Lower Bound CI	-0.2	1.1

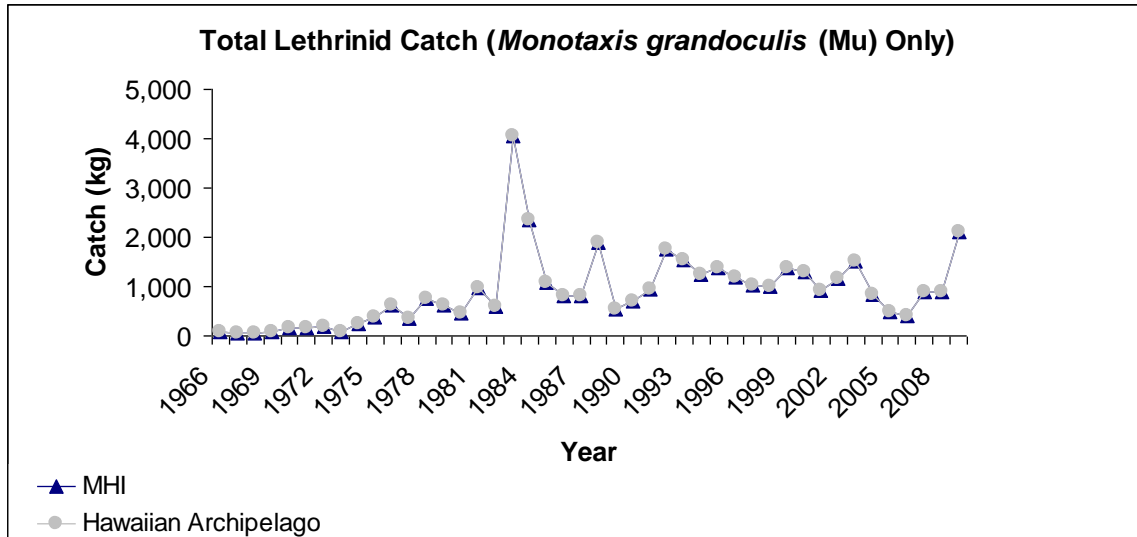
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	17.8	110.3
Standard Deviation	32.2	94.9
Confidence Value	9.5	28.0
Upper Bound CI	27.3	138.4
Lower Bound CI	8.3	82.3

# LETHRINIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	31.9	922.7
Standard Deviation	59.4	618.7
Confidence Value	17.5	542.3
Upper Bound CI	49.4	1,465.1
Lower Bound CI	14.3	380.4

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	106.9	803.5
Standard Deviation	245.7	658.4
Confidence Value	72.6	194.6
Upper Bound CI	179.5	998.0
Lower Bound CI	34.3	608.9

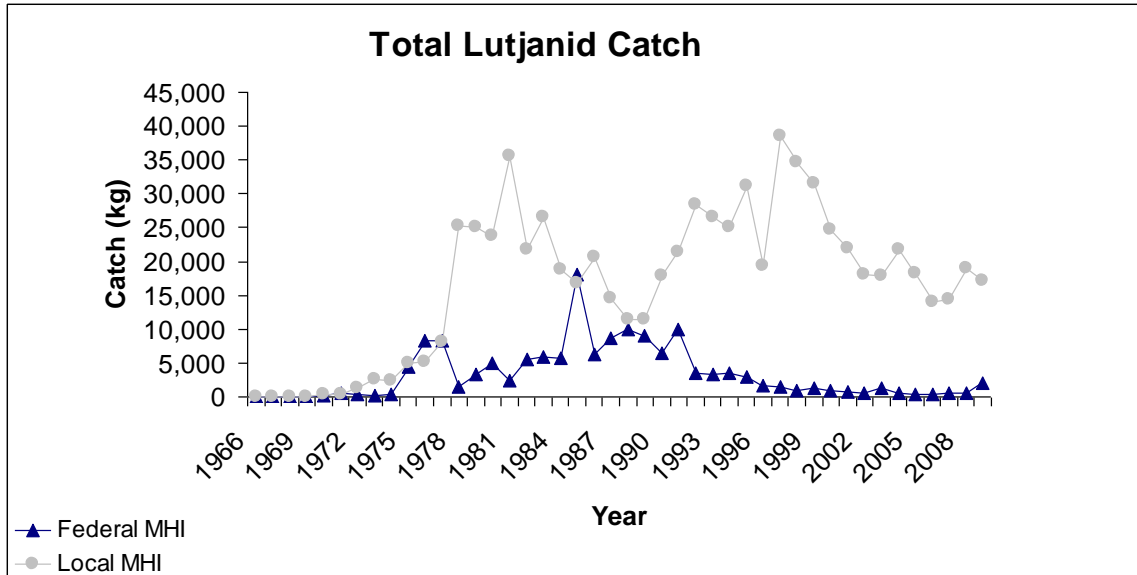


Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	954.6	954.6
Standard Deviation	675.4	675.4
Confidence Value	592.0	592.0
Upper Bound CI	1,546.6	1,546.6
Lower Bound CI	362.6	362.6

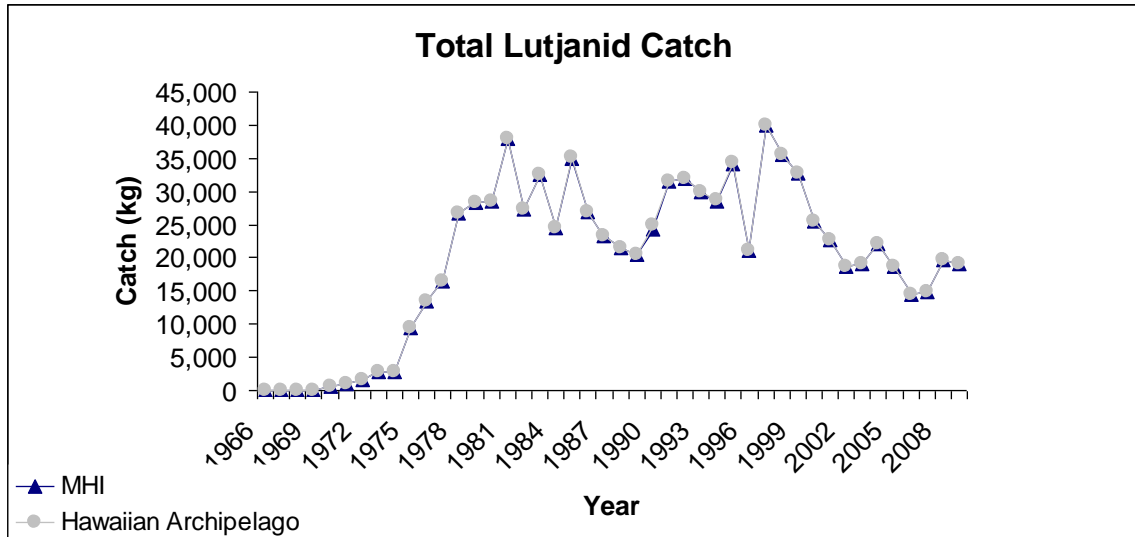
Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	910.4	910.7
Standard Deviation	747.1	747.1
Confidence Value	220.7	220.8
Upper Bound CI	1,131.2	1,131.5
Lower Bound CI	689.7	690.0

# LUTJANIDAE



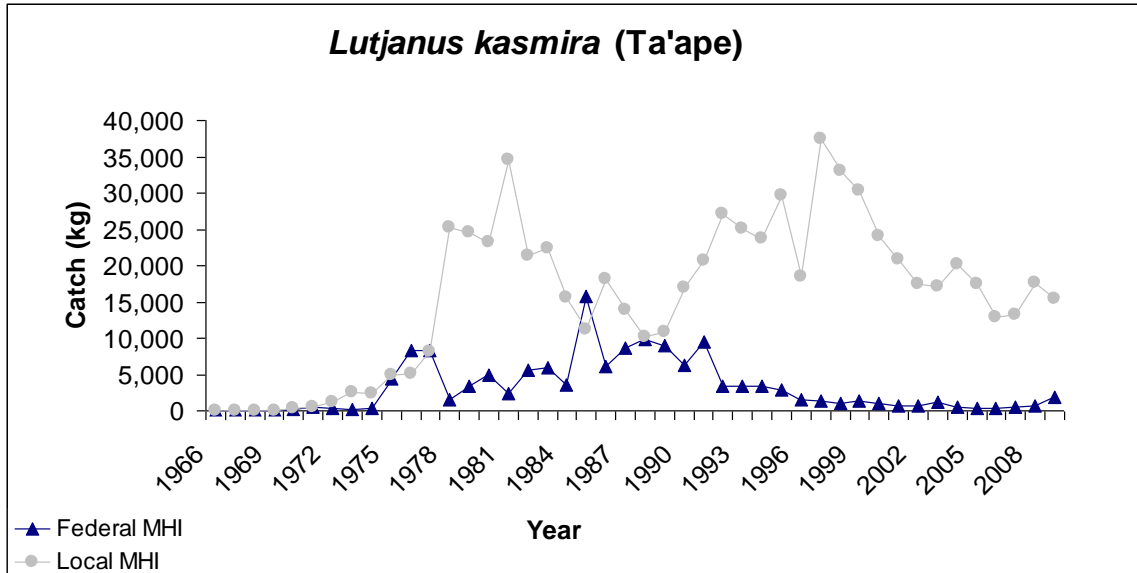
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	801.0	16,532.9
Standard Deviation	675.0	2,275.8
Confidence Value	199.4	1,994.8
Upper Bound CI	1,000.4	18,527.7
Lower Bound CI	601.6	14,538.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	3,335.3	16,791.0
Standard Deviation	3,835.6	10,881.6
Confidence Value	1,133.3	3,215.2
Upper Bound CI	4,468.6	20,006.2
Lower Bound CI	2,201.9	13,575.7



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	17,334.0	17,335.2
Standard Deviation	2,496.7	2,497.6
Confidence Value	2,188.4	2,189.2
Upper Bound CI	19,522.4	19,524.4
Lower Bound CI	15,145.5	15,146.1

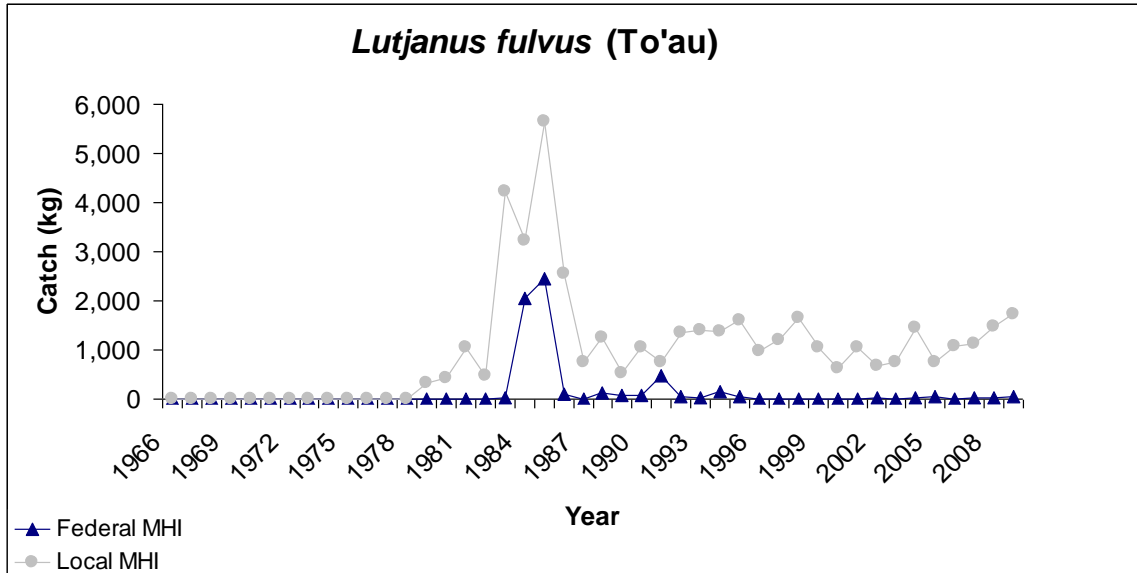
Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	20,126.2	20,152.7
Standard Deviation	11,855.5	11,871.8
Confidence Value	3,503.0	3,507.8
Upper Bound CI	23,629.3	23,660.5
Lower Bound CI	16,623.2	16,644.9



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	769.7	15,308.9
Standard Deviation	663.0	2,229.1
Confidence Value	581.1	1,953.9
Upper Bound CI	1,350.8	17,262.8
Lower Bound CI	188.6	13,355.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	3,201.0	15,801.5
Standard Deviation	3,579.6	10,429.5
Confidence Value	1,057.7	3,081.7
Upper Bound CI	4,258.7	18,883.1
Lower Bound CI	2,143.3	12,719.8

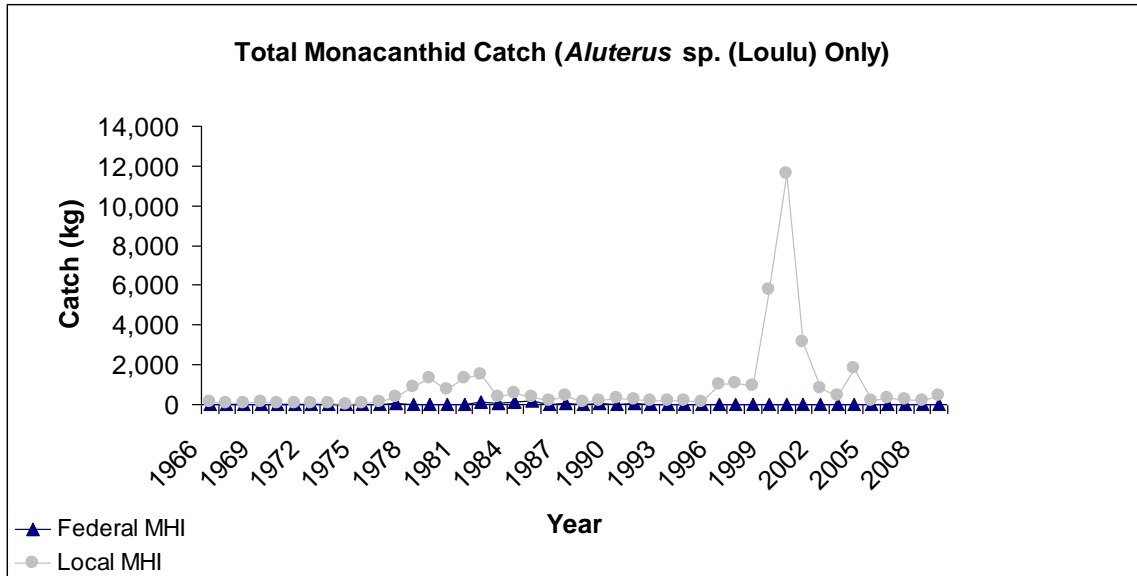




Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	31.3	1,224.1
Standard Deviation	22.6	376.8
Confidence Value	19.8	330.2
Upper Bound CI	51.1	1,554.3
Lower Bound CI	11.6	893.8

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	134.2	989.5
Standard Deviation	475.3	1,146.5
Confidence Value	140.4	338.8
Upper Bound CI	274.7	1,328.3
Lower Bound CI	-6.2	650.7

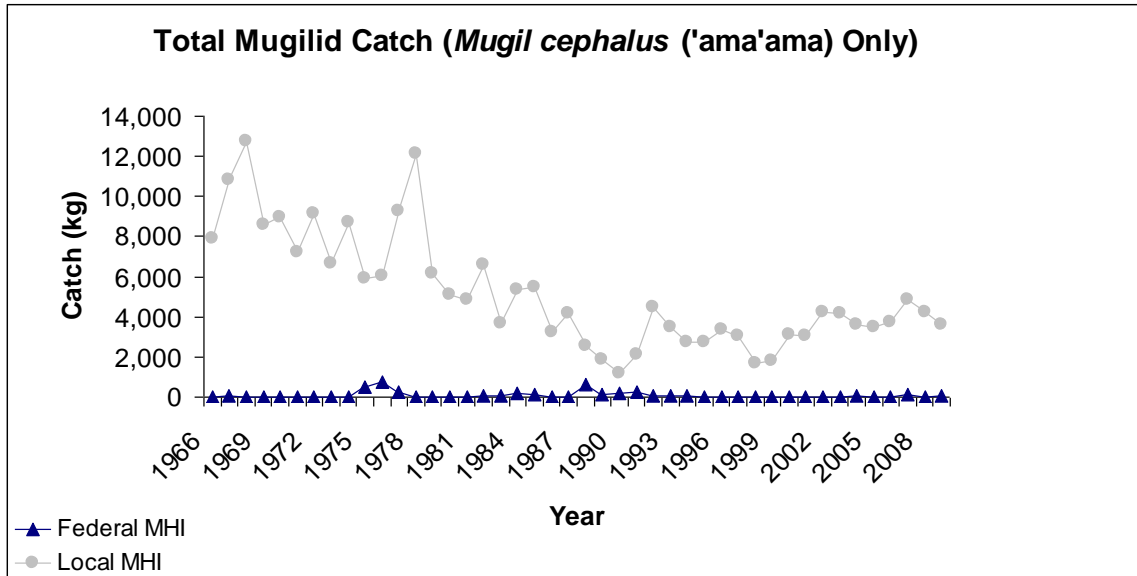
# MONACANTHIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	13.0	275.5
Standard Deviation	13.1	96.7
Confidence Value	11.5	84.8
Upper Bound CI	24.4	360.2
Lower Bound CI	1.5	190.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	21.0	871.2
Standard Deviation	39.8	1,935.5
Confidence Value	11.8	571.9
Upper Bound CI	32.8	1,443.1
Lower Bound CI	9.3	299.3

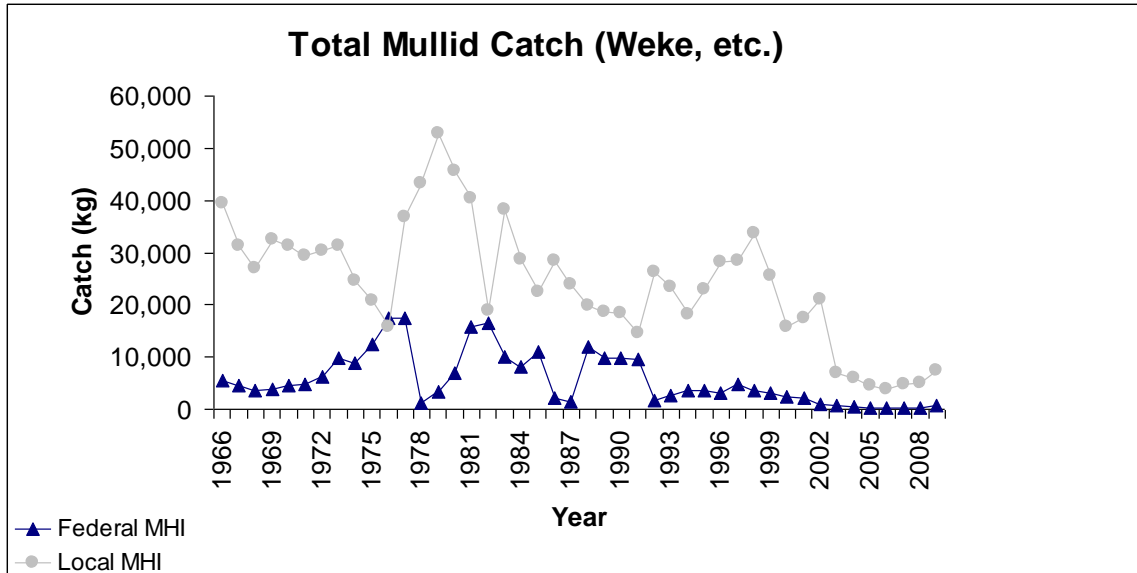
# MUGILIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	44.4	3,987.2
Standard Deviation	53.9	573.4
Confidence Value	47.2	502.6
Upper Bound CI	91.6	4,489.8
Lower Bound CI	-2.8	3,484.5

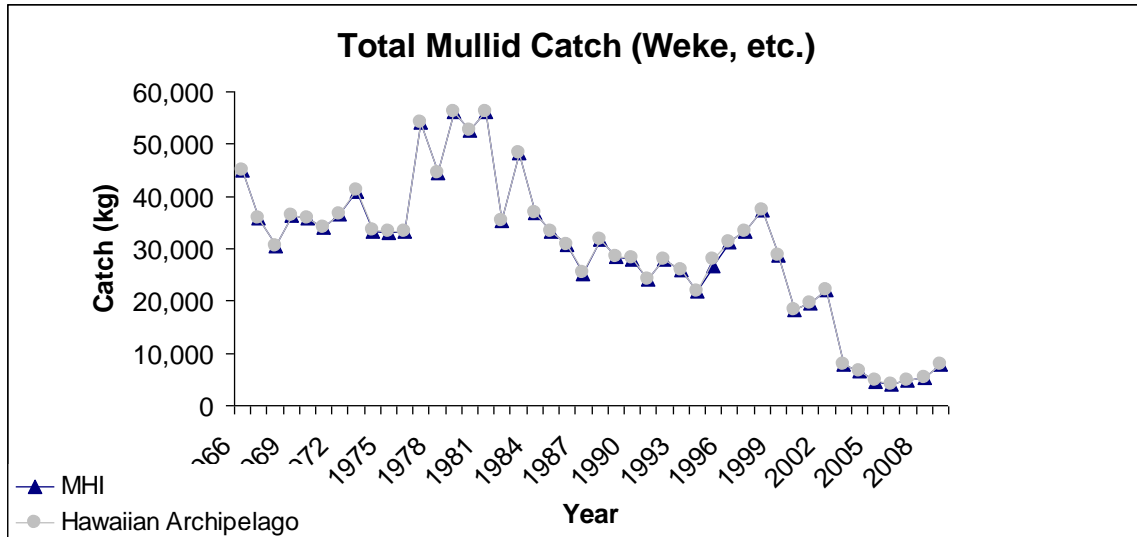
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	85.1	5,179.2
Standard Deviation	160.4	2,837.2
Confidence Value	47.4	838.3
Upper Bound CI	132.5	6,017.5
Lower Bound CI	37.7	4,340.9

# MULLIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	305.0	5,087.7
Standard Deviation	219.7	1,312.4
Confidence Value	64.9	1,150.3
Upper Bound CI	369.9	6,238.0
Lower Bound CI	240.0	3,937.4

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	5,700.1	24,185.3
Standard Deviation	4,988.0	11,680.5
Confidence Value	1,473.8	3,451.3
Upper Bound CI	7,174.0	27,636.6
Lower Bound CI	4,226.3	20,734.0

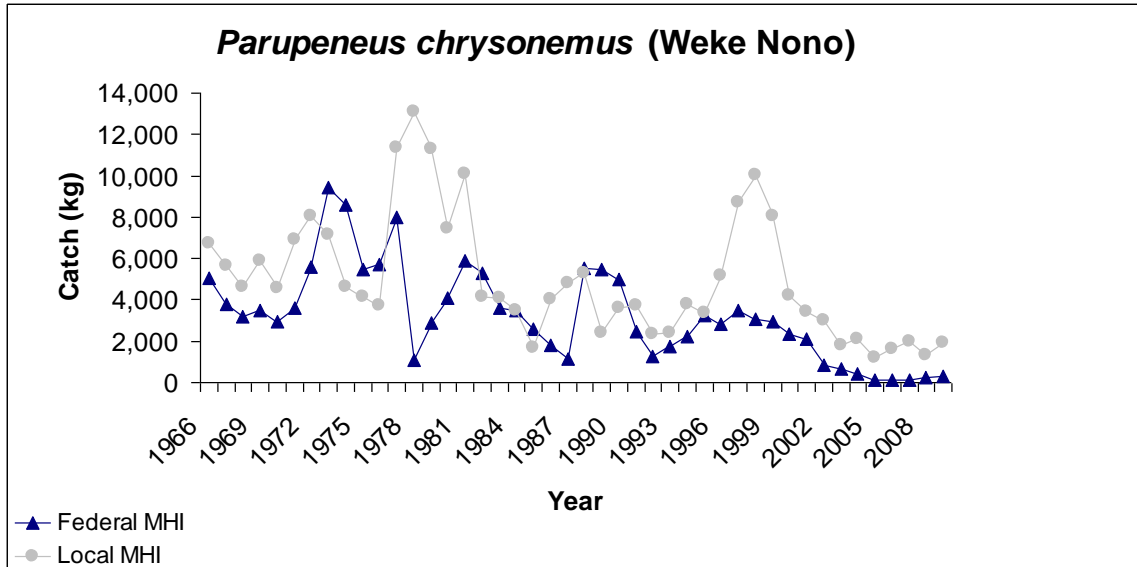


Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	5,392.7	5,395.6
Standard Deviation	1,527.5	1,525.5
Confidence Value	1,338.9	1,337.1
Upper Bound CI	6,731.5	6,732.7
Lower Bound CI	4,053.8	4,058.5

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	29,885.4	29,940.6
Standard Deviation	13,863.3	13,856.9
Confidence Value	4,096.3	4,094.4
Upper Bound CI	33,981.7	34,035.0
Lower Bound CI	25,789.1	25,846.3

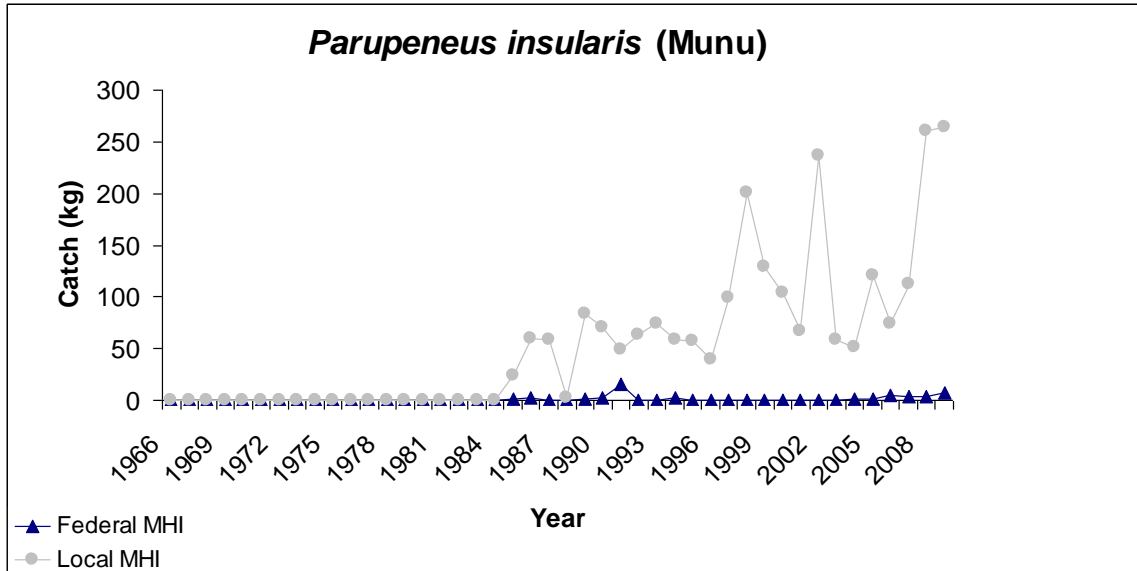
p. chrysonemus, insularis, multifasciatus, pleurostigma, porphyeus, Mullidae, Mullidae  
Moana Kale



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	165.9	1,602.2
Standard Deviation	78.1	343.5
Confidence Value	68.4	301.1
Upper Bound CI	234.4	1,903.3
Lower Bound CI	97.5	1,301.2

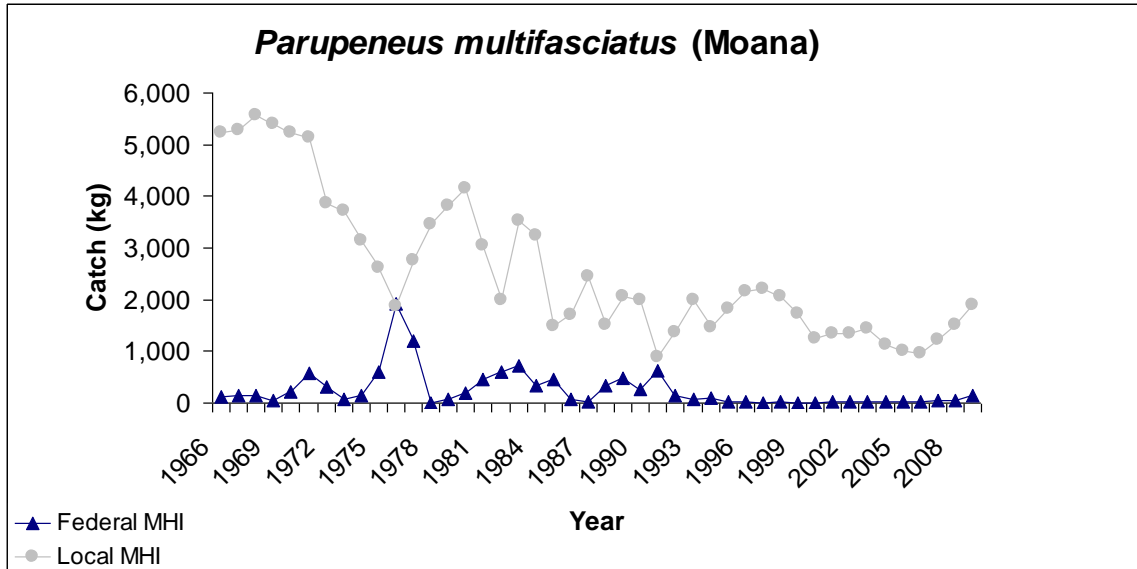
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	3,248.3	4,975.2
Standard Deviation	2,285.0	2,967.0
Confidence Value	675.2	876.7
Upper Bound CI	3,923.4	5,851.9
Lower Bound CI	2,573.1	4,098.5





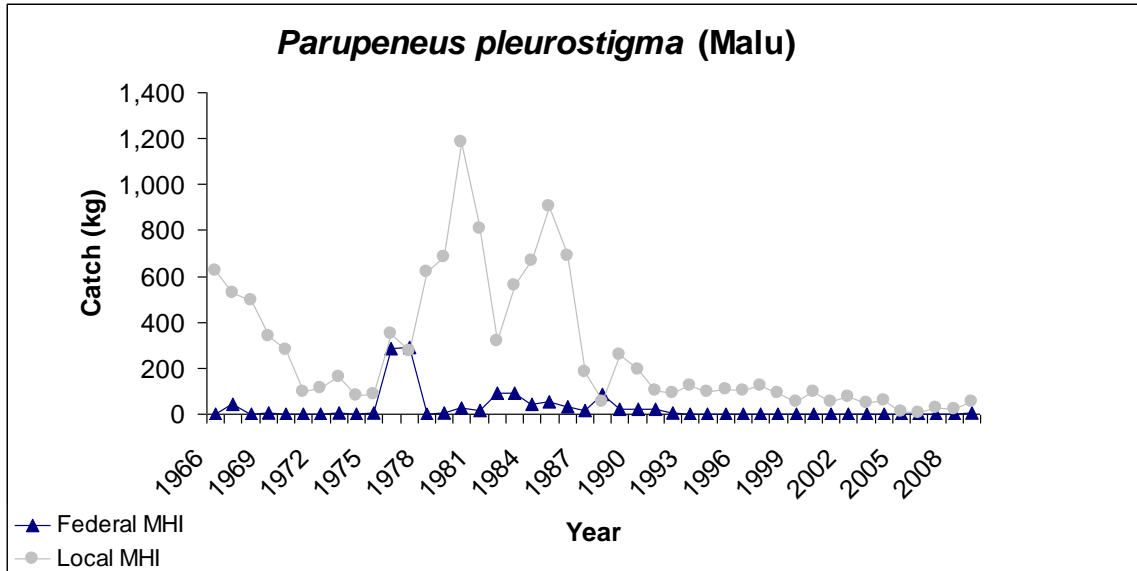
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	4.0	166.3
Standard Deviation	2.2	89.2
Confidence Value	1.9	78.1
Upper Bound CI	5.9	244.5
Lower Bound CI	2.1	88.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1.1	55.0
Standard Deviation	2.7	71.7
Confidence Value	0.8	21.2
Upper Bound CI	1.9	76.2
Lower Bound CI	0.2	33.8



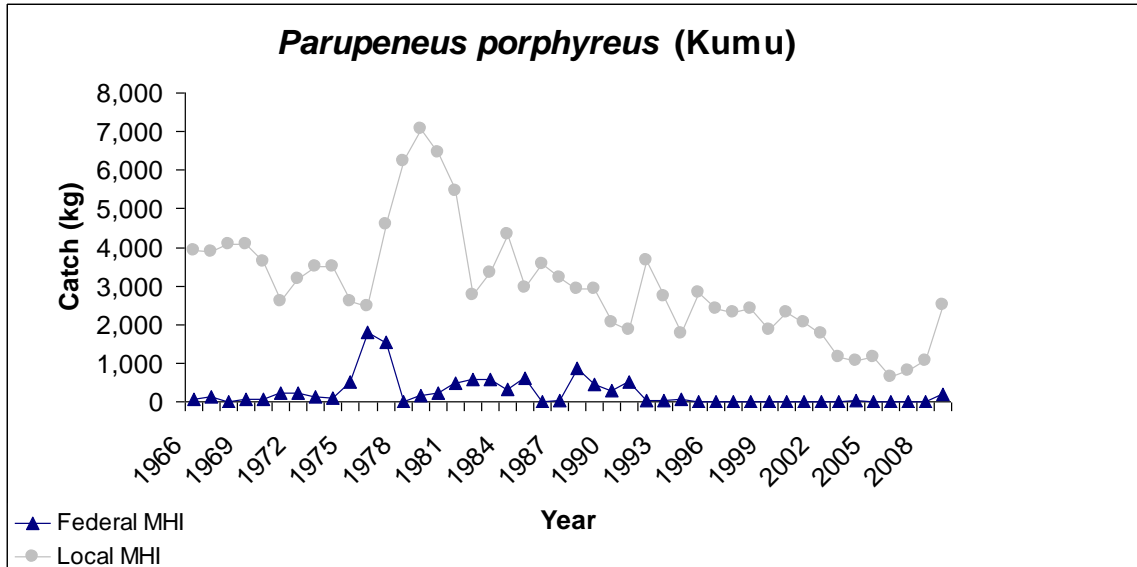
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	60.3	1,322.3
Standard Deviation	51.6	388.3
Confidence Value	45.2	340.3
Upper Bound CI	105.5	1,662.7
Lower Bound CI	15.0	982.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	248.0	2,567.6
Standard Deviation	364.7	1,394.0
Confidence Value	107.8	411.9
Upper Bound CI	355.8	2,979.5
Lower Bound CI	140.3	2,155.7



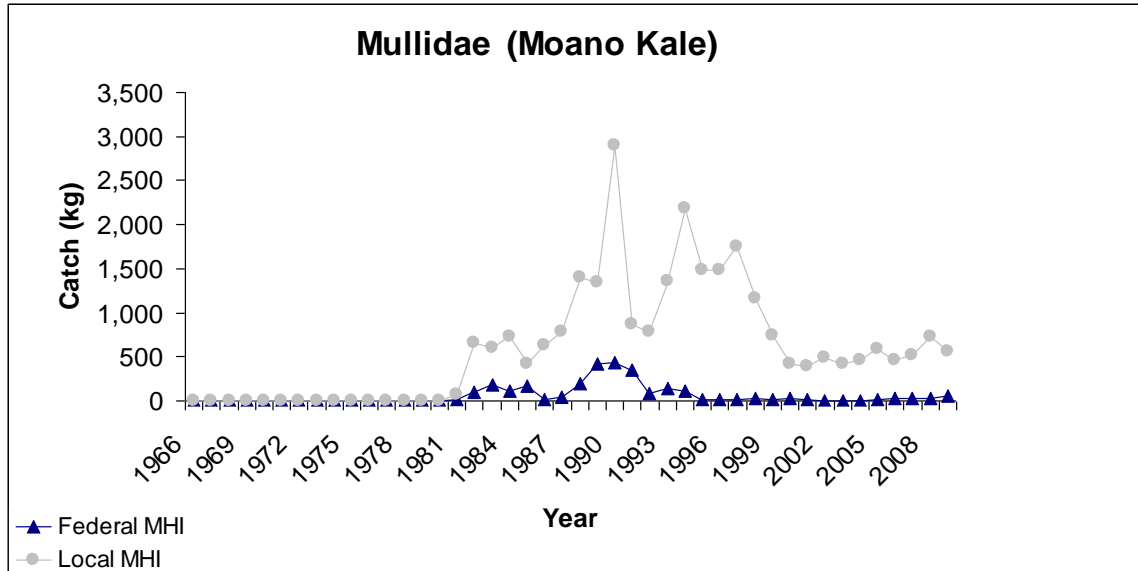
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.7	24.0
Standard Deviation	1.6	17.3
Confidence Value	1.4	15.1
Upper Bound CI	2.1	39.1
Lower Bound CI	-0.7	8.9

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	26.6	270.6
Standard Deviation	62.5	284.2
Confidence Value	18.5	84.0
Upper Bound CI	45.0	354.6
Lower Bound CI	8.1	186.7



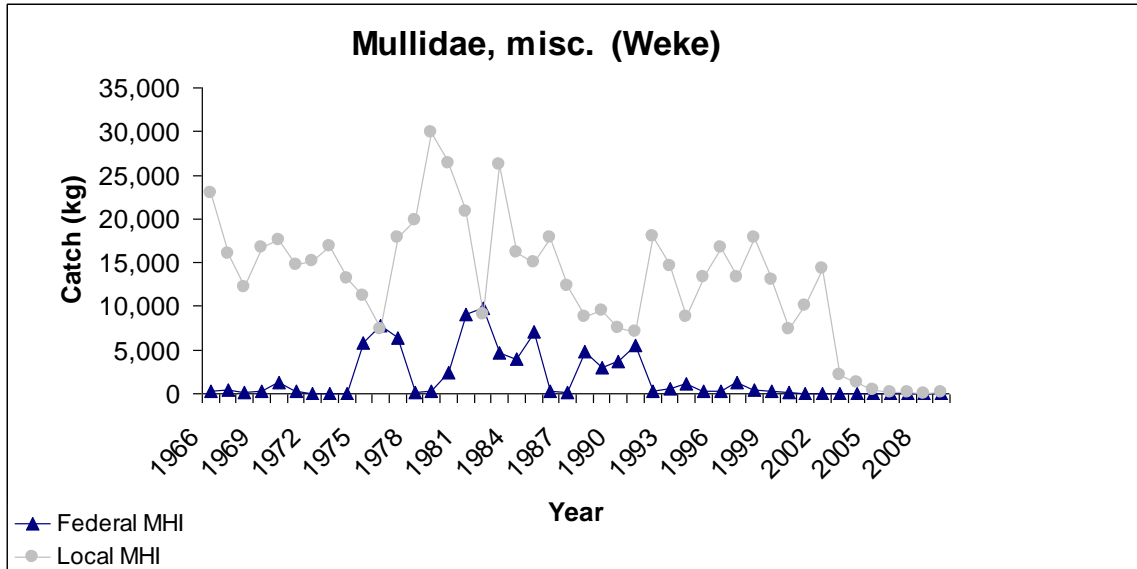
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	40.1	1,233.7
Standard Deviation	85.6	737.2
Confidence Value	75.0	646.2
Upper Bound CI	115.1	1,879.9
Lower Bound CI	-34.9	587.5

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	235.5	2,994.3
Standard Deviation	386.3	1,445.2
Confidence Value	114.1	427.0
Upper Bound CI	349.6	3,421.4
Lower Bound CI	121.4	2,567.3



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	31.6	572.9
Standard Deviation	14.3	101.2
Confidence Value	12.5	88.7
Upper Bound CI	44.1	661.5
Lower Bound CI	19.1	484.2

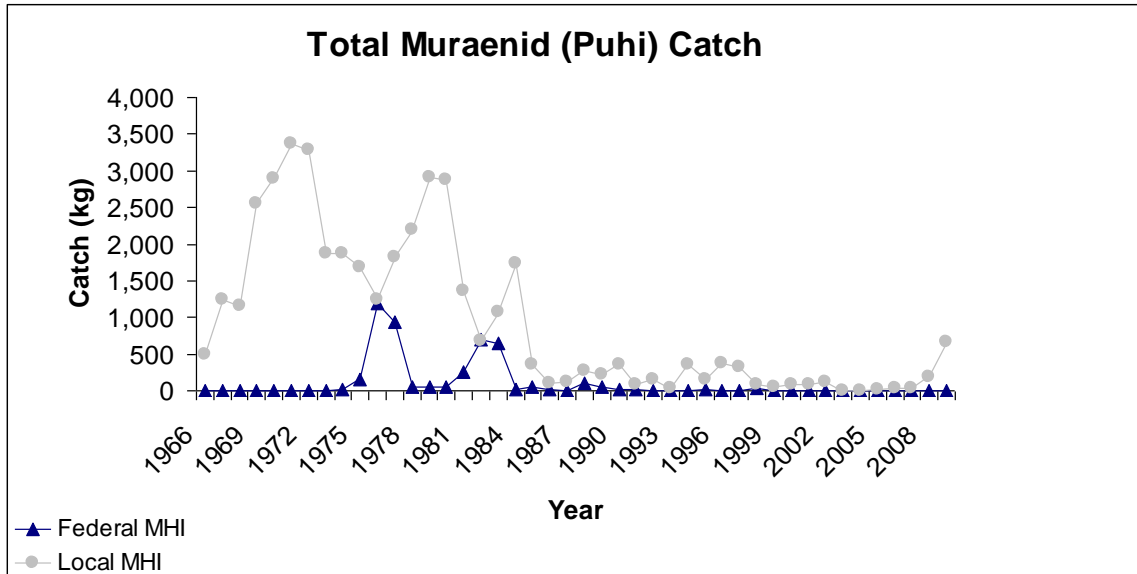
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	61.5	600.6
Standard Deviation	108.3	662.4
Confidence Value	32.0	195.7
Upper Bound CI	93.5	796.3
Lower Bound CI	29.5	404.8



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	2.3	166.2
Standard Deviation	2.0	169.7
Confidence Value	1.8	148.8
Upper Bound CI	4.1	315.0
Lower Bound CI	0.5	17.4

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,879.2	12,722.0
Standard Deviation	2,794.1	7,354.6
Confidence Value	825.6	2,173.1
Upper Bound CI	2,704.8	14,895.1
Lower Bound CI	1,053.6	10,548.9

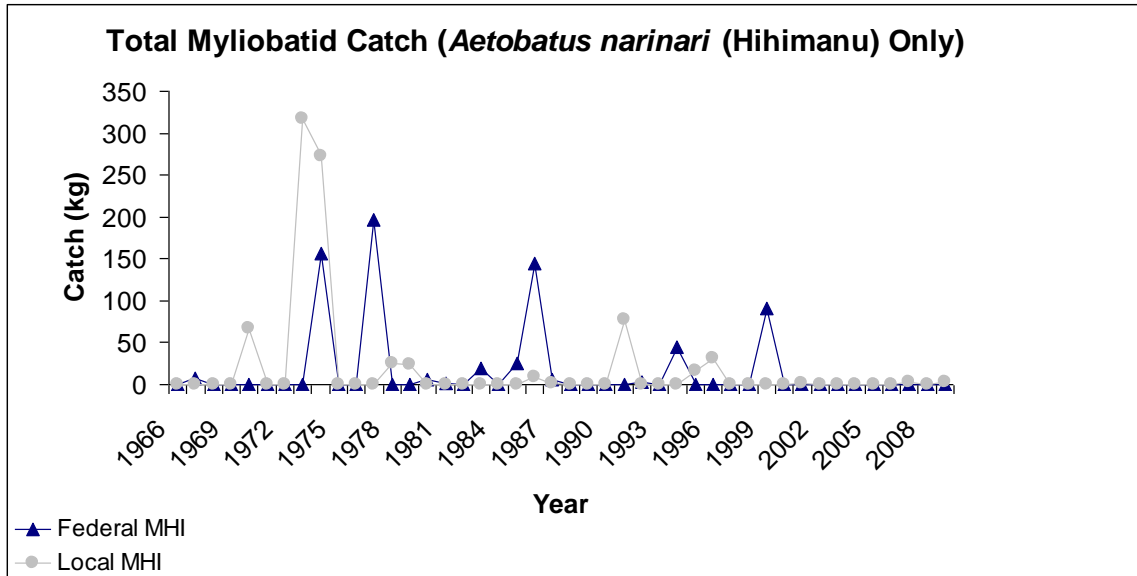
# MURAENIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.1	189.1
Standard Deviation	0.2	275.3
Confidence Value	0.2	241.3
Upper Bound CI	0.3	430.4
Lower Bound CI	-0.1	-52.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	99.5	922.8
Standard Deviation	258.3	1,043.8
Confidence Value	76.3	308.4
Upper Bound CI	175.8	1,231.2
Lower Bound CI	23.1	614.4

# MYLIOBATIDAE

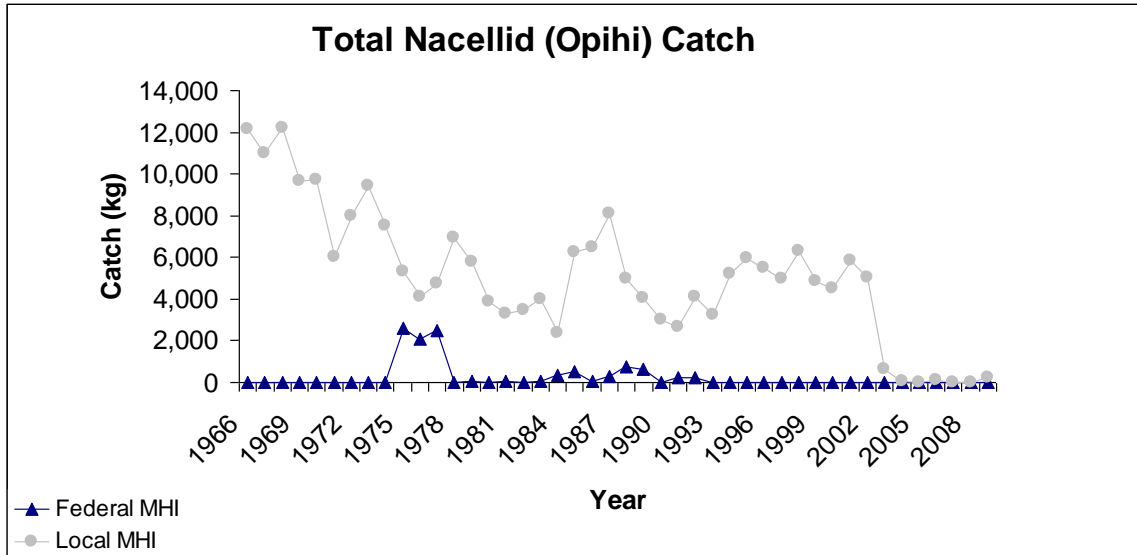


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	3.2
Standard Deviation	0.0	0.6
Confidence Value	-	0.6
Upper Bound CI	-	3.7
Lower Bound CI	-	2.6

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	15.9	65.3
Standard Deviation	44.2	105.1
Confidence Value	13.1	31.0
Upper Bound CI	29.0	96.4
Lower Bound CI	2.8	34.3



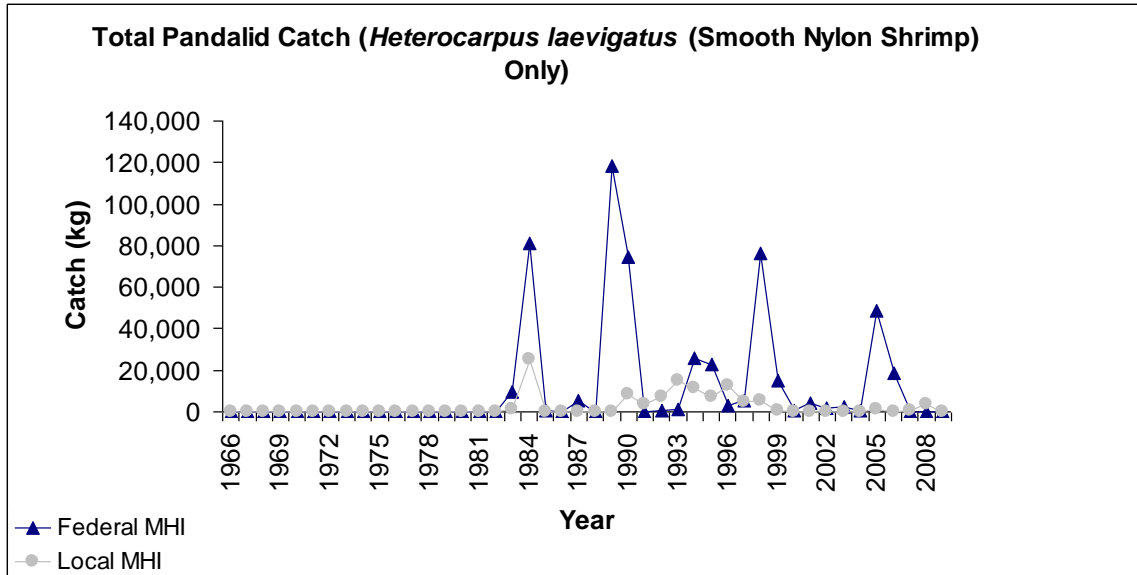
# NACELLIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	73.0
Standard Deviation	0.0	86.4
Confidence Value	-	75.7
Upper Bound CI	-	148.7
Lower Bound CI	-	-2.7

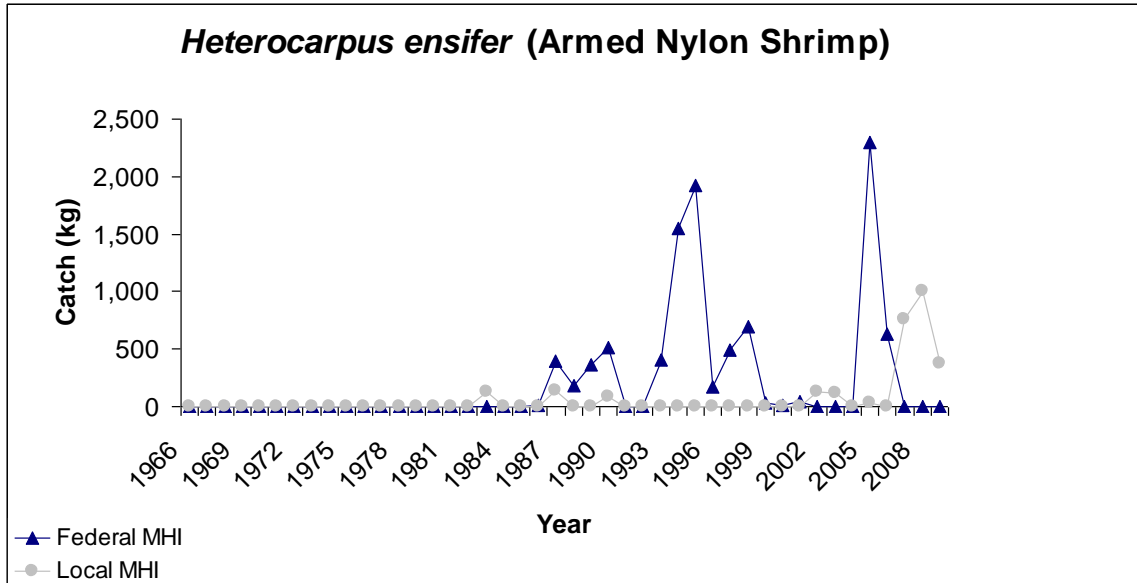
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	236.5	5,040.7
Standard Deviation	618.3	3,183.8
Confidence Value	182.7	940.7
Upper Bound CI	419.1	5,981.4
Lower Bound CI	53.8	4,100.0

# PANDALIDAE



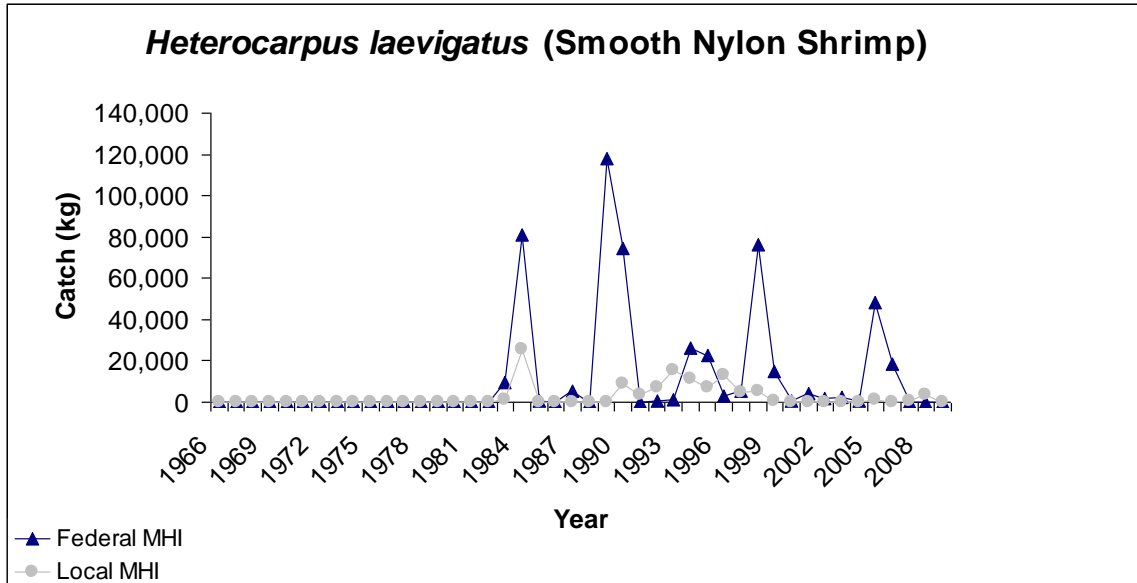
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	13,477.4	1,153.2
Standard Deviation	21,190.7	1,459.6
Confidence Value	18,574.1	1,279.4
Upper Bound CI	32,051.6	2,432.6
Lower Bound CI	-5,096.7	-126.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	11,730.7	2,483.1
Standard Deviation	26,487.7	5,192.0
Confidence Value	7,826.5	1,534.1
Upper Bound CI	19,557.2	4,017.2
Lower Bound CI	3,904.3	949.0



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	585.5	431.7
Standard Deviation	994.3	440.7
Confidence Value	871.6	386.3
Upper Bound CI	1,457.0	818.0
Lower Bound CI	-286.1	45.4

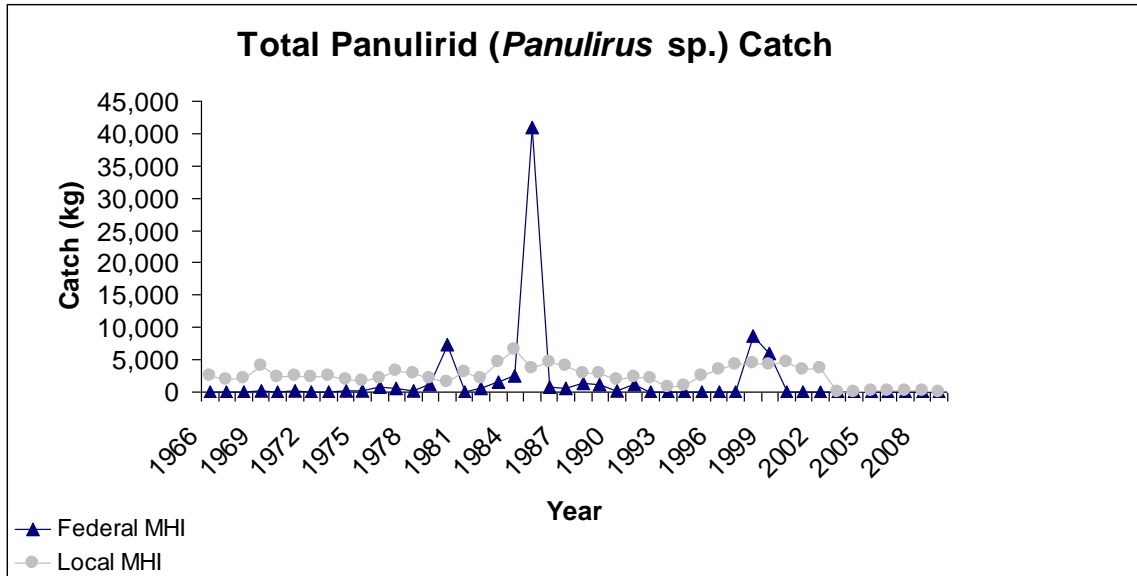
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	220.9	62.7
Standard Deviation	508.8	193.4
Confidence Value	150.3	57.2
Upper Bound CI	371.2	119.9
Lower Bound CI	70.5	5.6



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	13,477.4	1,153.2
Standard Deviation	21,190.7	1,459.6
Confidence Value	18,574.1	1,279.4
Upper Bound CI	32,051.6	2,432.6
Lower Bound CI	-5,096.7	-126.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	11,730.7	2,540.8
Standard Deviation	26,487.7	5,239.1
Confidence Value	7,826.5	1,548.0
Upper Bound CI	19,557.2	4,088.9
Lower Bound CI	3,904.3	992.8

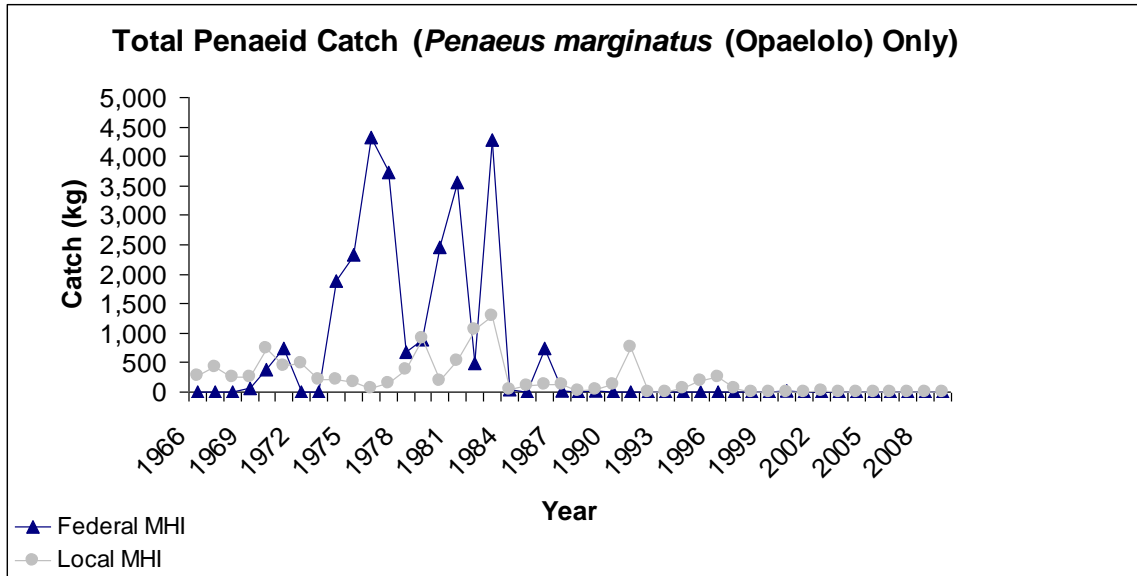
# PANULIRIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	112.7
Standard Deviation	0.0	46.3
Confidence Value	-	40.6
Upper Bound CI	-	153.3
Lower Bound CI	-	72.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,744.7	2,496.6
Standard Deviation	6,339.6	1,534.2
Confidence Value	1,873.2	453.3
Upper Bound CI	3,617.8	2,949.9
Lower Bound CI	-128.5	2,043.3

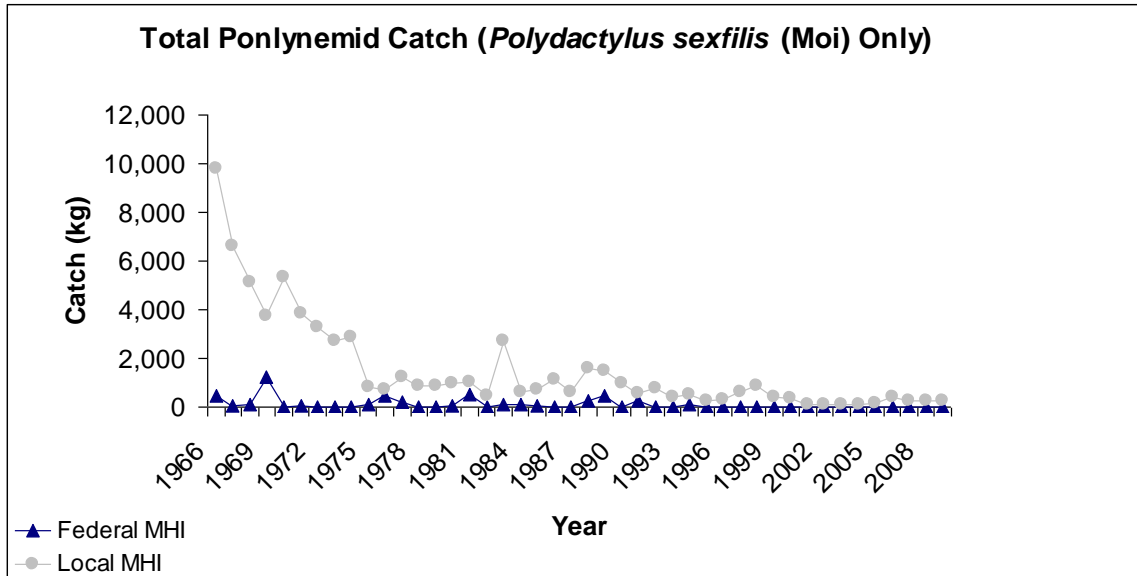
# PENAEIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	-
Standard Deviation	0.0	-
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	606.4	311.7
Standard Deviation	1,231.6	320.8
Confidence Value	363.9	94.8
Upper Bound CI	970.3	406.5
Lower Bound CI	242.5	216.9

# POLYNEMIDAE

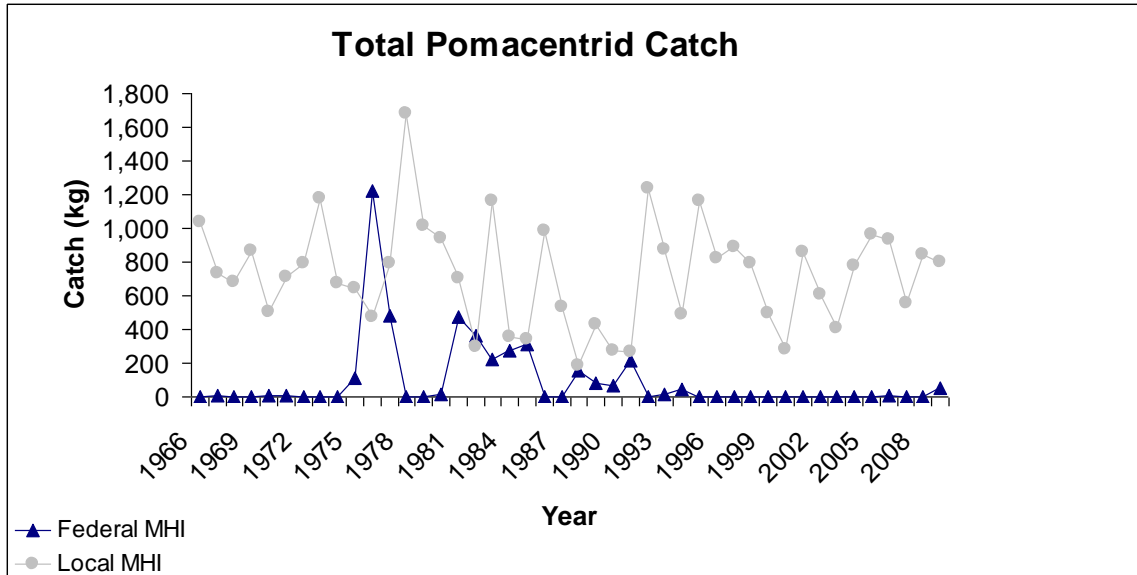


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	1.1	265.0
Standard Deviation	1.3	80.2
Confidence Value	1.2	70.3
Upper Bound CI	2.3	335.2
Lower Bound CI	0.0	194.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	106.4	1,520.5
Standard Deviation	227.8	2,008.0
Confidence Value	67.3	593.3
Upper Bound CI	173.7	2,113.8
Lower Bound CI	39.1	927.2

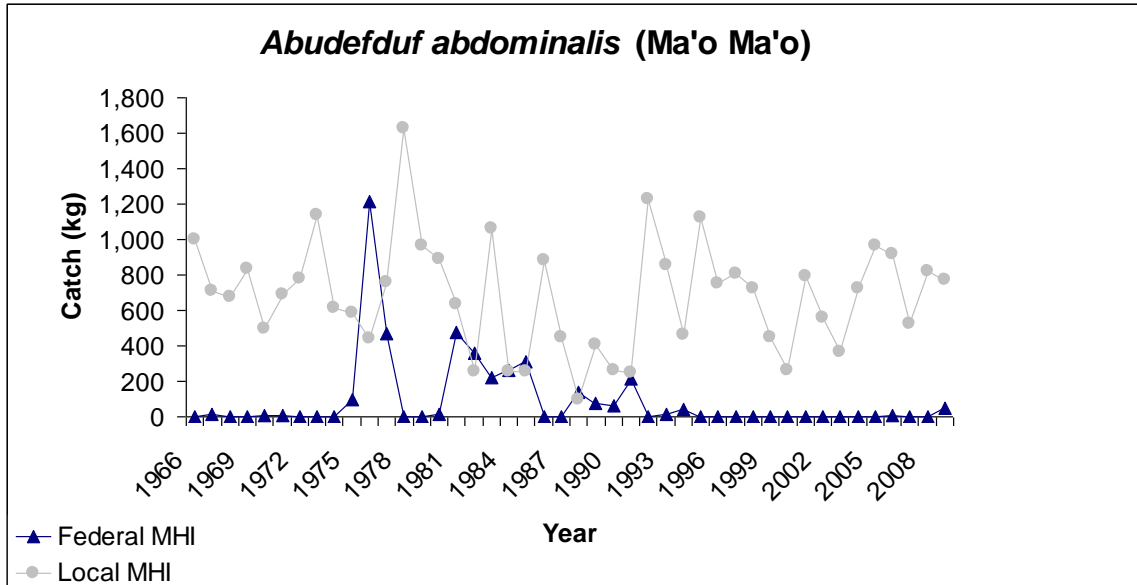


# POMACENTRIDAE



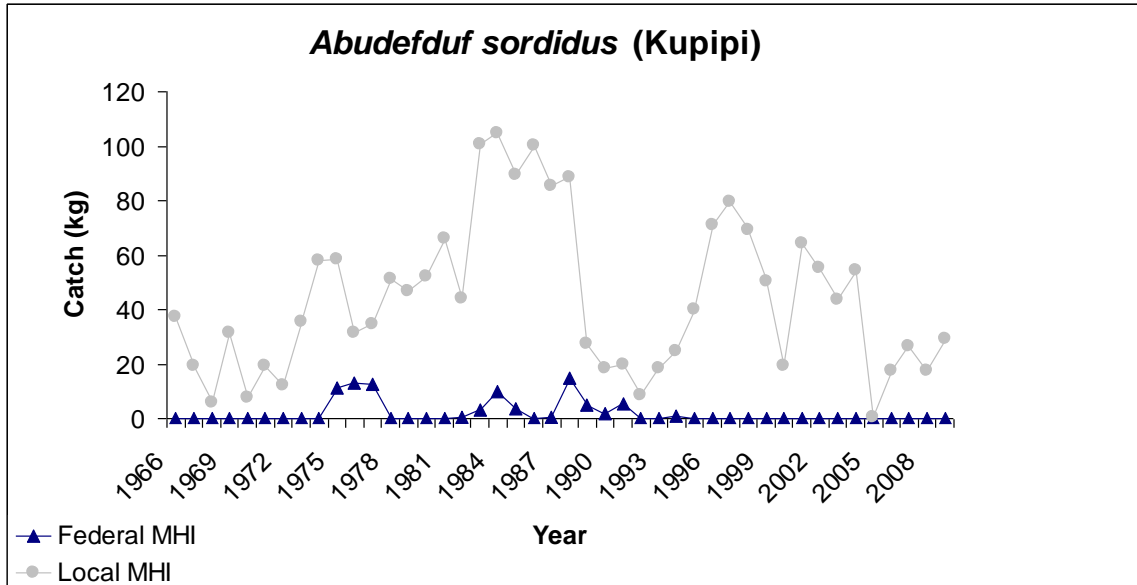
Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	11.1	818.8
Standard Deviation	21.0	162.6
Confidence Value	18.4	142.5
Upper Bound CI	29.5	961.3
Lower Bound CI	-7.2	676.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	93.9	728.6
Standard Deviation	216.6	310.1
Confidence Value	64.0	91.6
Upper Bound CI	157.9	820.2
Lower Bound CI	29.9	637.0



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	11.1	800.5
Standard Deviation	21.0	170.7
Confidence Value	18.4	149.6
Upper Bound CI	29.5	950.1
Lower Bound CI	-7.2	650.8

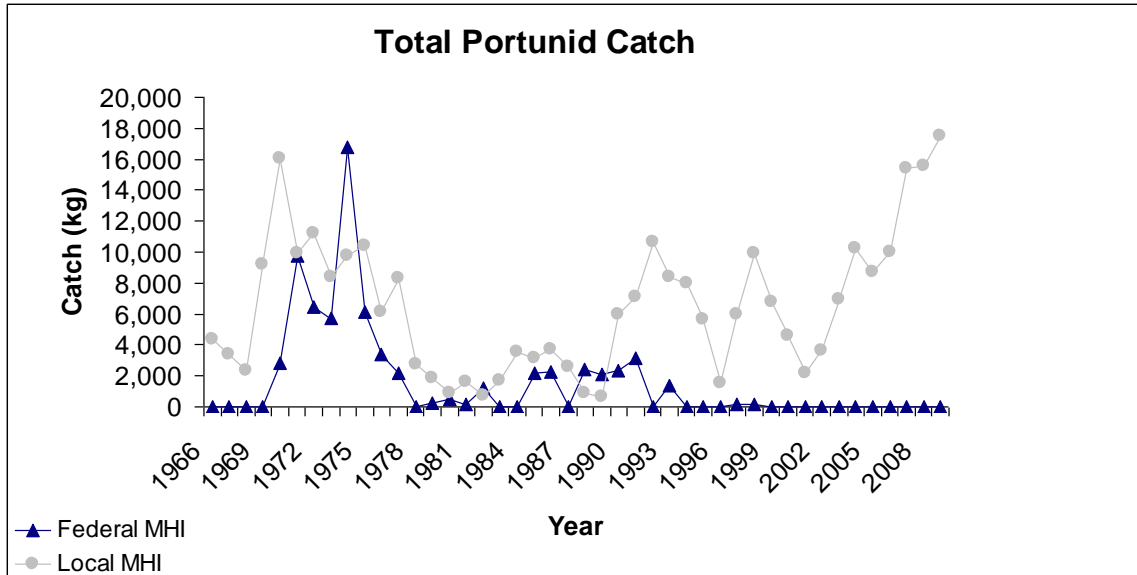
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	92.0	684.6
Standard Deviation	214.0	312.2
Confidence Value	63.2	92.2
Upper Bound CI	155.3	776.8
Lower Bound CI	28.8	592.3



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	18.3
Standard Deviation	0.0	11.3
Confidence Value	-	9.9
Upper Bound CI	-	28.2
Lower Bound CI	-	8.4

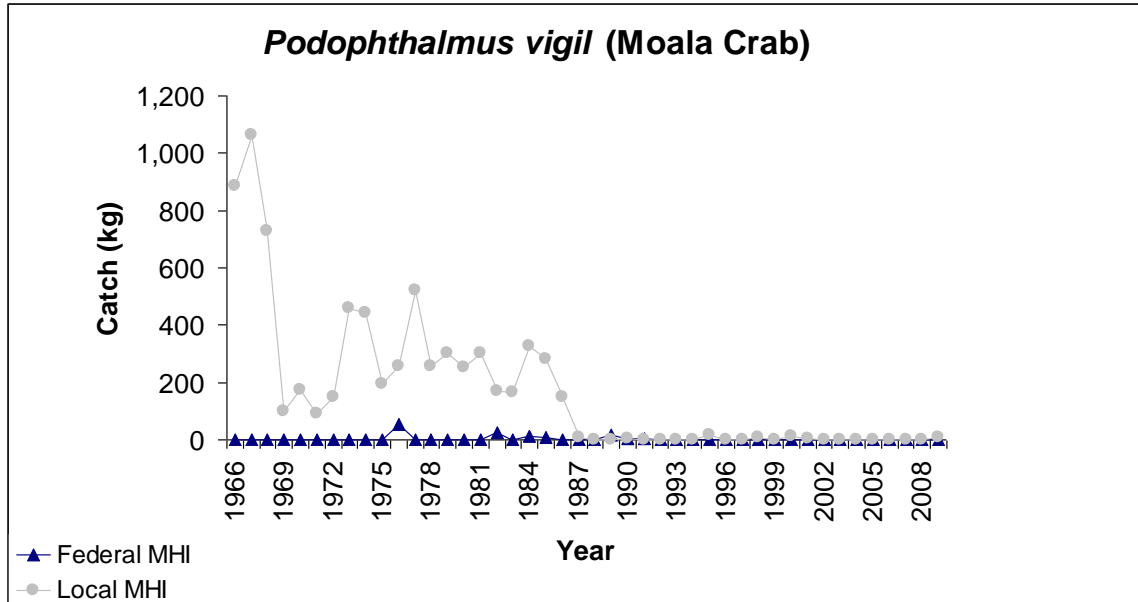
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1.9	44.0
Standard Deviation	4.1	28.1
Confidence Value	1.2	8.3
Upper Bound CI	3.1	52.3
Lower Bound CI	0.7	35.7

# PORTUNIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	5.2	13,450.8
Standard Deviation	11.3	3,856.1
Confidence Value	9.9	3,380.0
Upper Bound CI	15.1	16,830.8
Lower Bound CI	-4.7	10,070.8

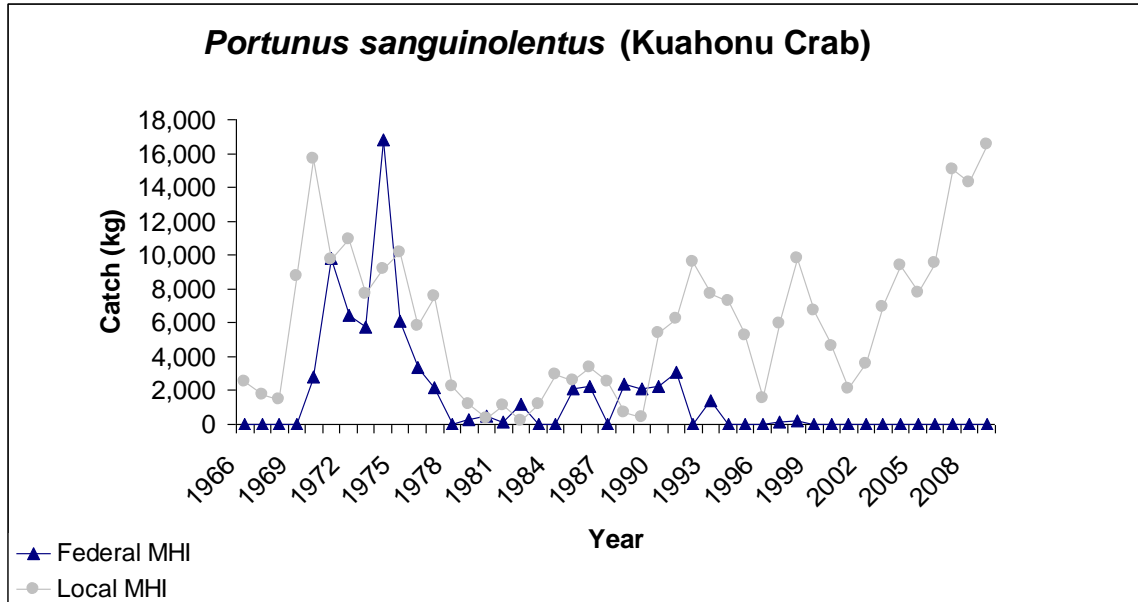
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,627.9	6,550.5
Standard Deviation	3,183.0	4,465.6
Confidence Value	940.5	1,319.5
Upper Bound CI	2,568.3	7,869.9
Lower Bound CI	687.4	5,231.0



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	8.2
Standard Deviation	0.0	-
Confidence Value	-	-
Upper Bound CI	-	-
Lower Bound CI	-	-

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	2.9	253.0
Standard Deviation	9.5	268.6
Confidence Value	2.8	79.4
Upper Bound CI	5.7	332.4
Lower Bound CI	0.1	173.6

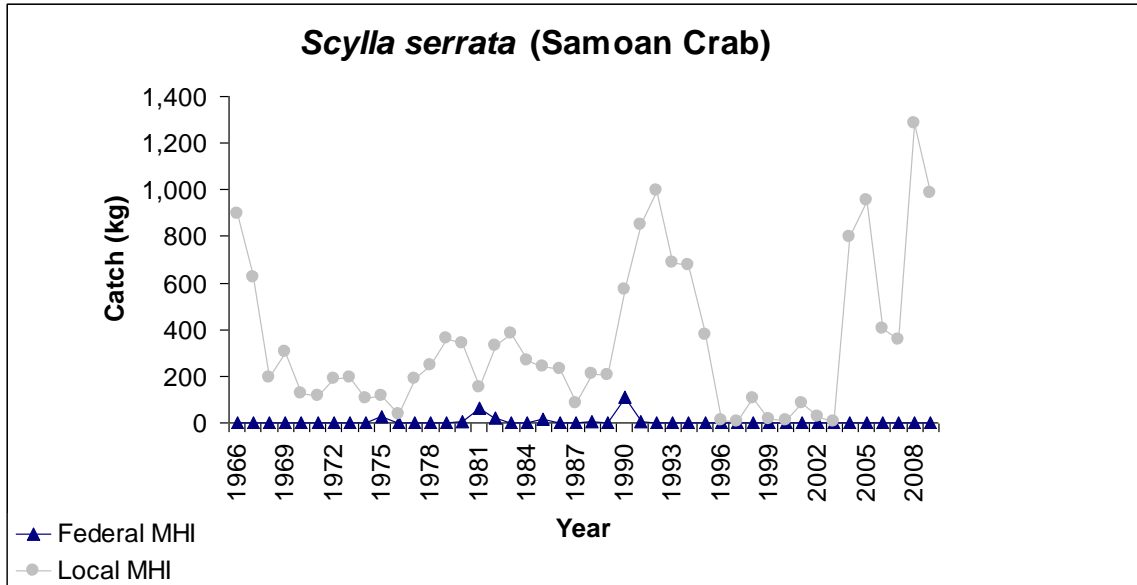


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	5.2	12,651.6
Standard Deviation	11.3	3,771.5
Confidence Value	9.9	3,305.8
Upper Bound CI	15.1	15,957.4
Lower Bound CI	-4.7	9,345.8

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,619.2	6,034.8
Standard Deviation	3,181.7	4,418.6
Confidence Value	940.1	1,305.6
Upper Bound CI	2,559.3	7,340.4
Lower Bound CI	679.1	4,729.2

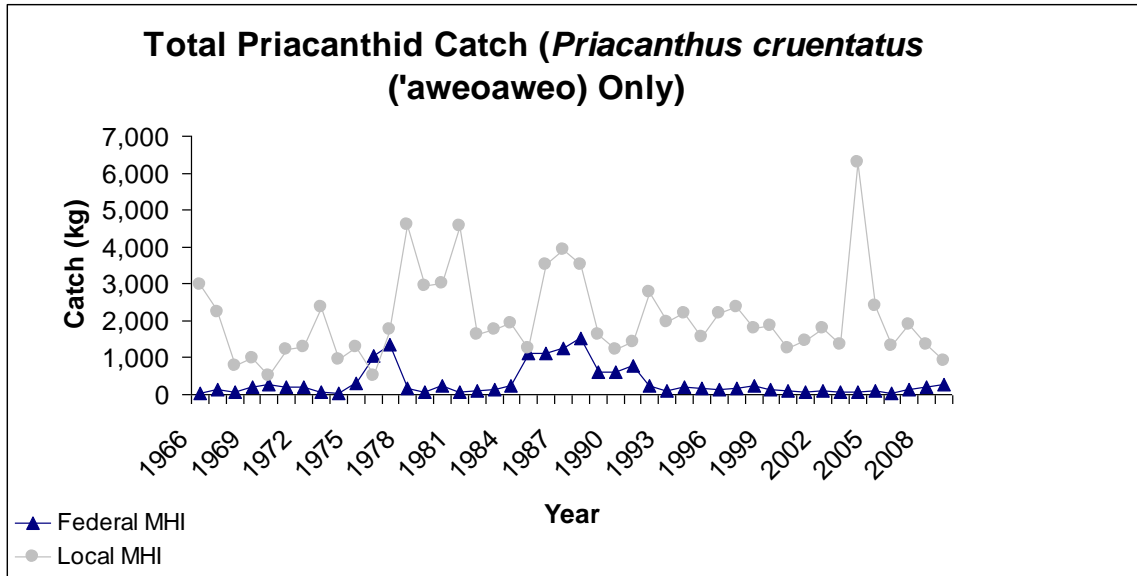




Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	797.5
Standard Deviation	0.0	403.2
Confidence Value	-	353.4
Upper Bound CI	-	1,151.0
Lower Bound CI	-	444.1

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	5.7	348.9
Standard Deviation	19.2	326.8
Confidence Value	5.7	96.6
Upper Bound CI	11.4	445.5
Lower Bound CI	0.0	252.4

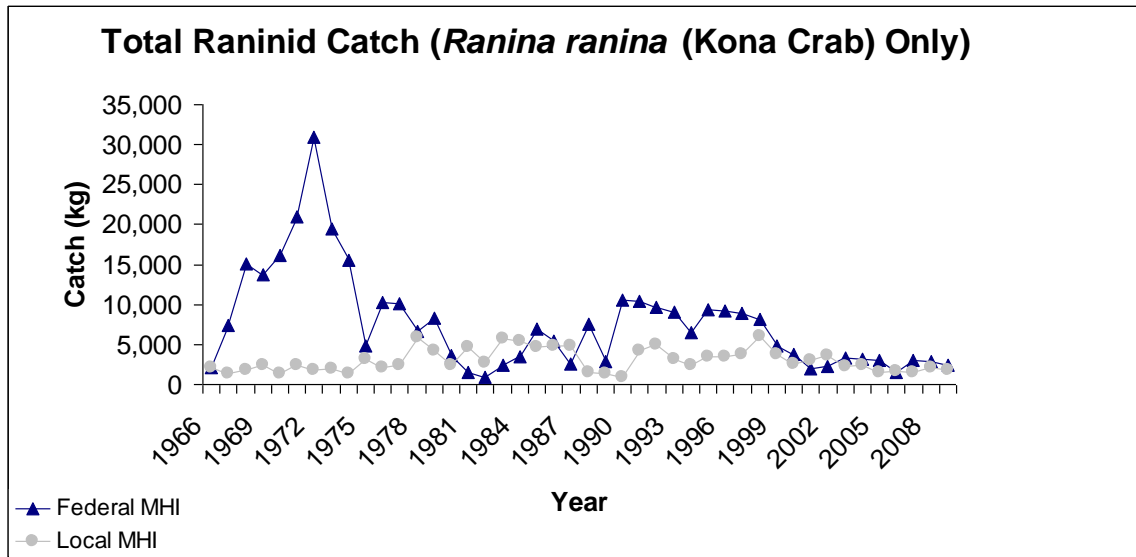
# PRIACANTHIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	146.7	1,574.7
Standard Deviation	88.5	574.7
Confidence Value	77.6	503.7
Upper Bound CI	224.2	2,078.5
Lower Bound CI	69.1	1,071.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	330.4	2,057.0
Standard Deviation	398.8	1,175.2
Confidence Value	117.8	347.2
Upper Bound CI	448.2	2,404.3
Lower Bound CI	212.6	1,709.8

# RANINIDAE

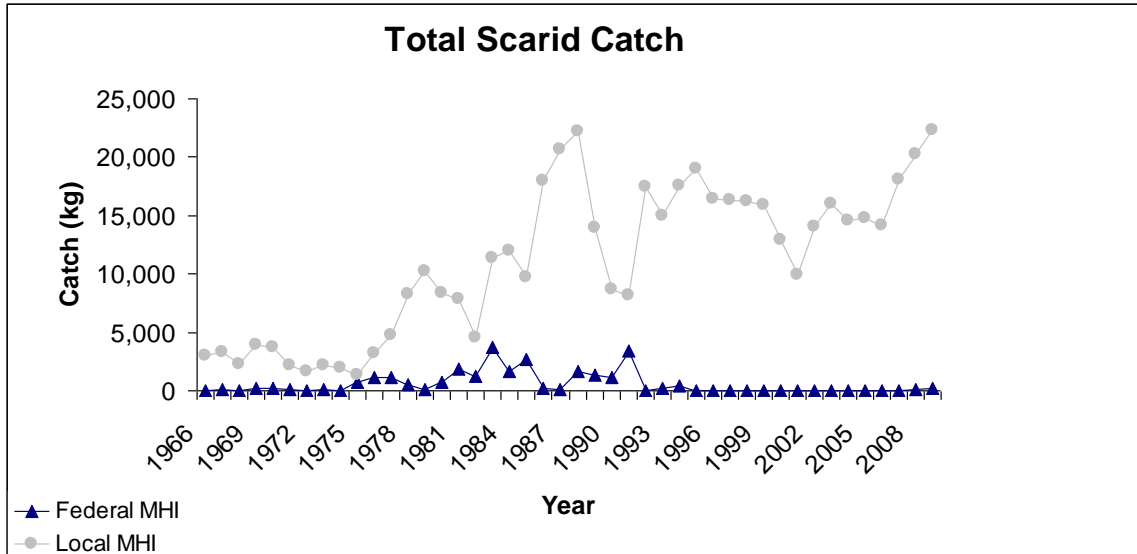


Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	2,570.1	1,739.3
Standard Deviation	642.5	270.3
Confidence Value	563.2	237.0
Upper Bound CI	3,133.3	1,976.3
Lower Bound CI	2,007.0	1,502.3

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	7,554.9	2,986.1
Standard Deviation	6,148.5	1,417.0
Confidence Value	1,816.7	418.7
Upper Bound CI	9,371.6	3,404.8
Lower Bound CI	5,738.2	2,567.4

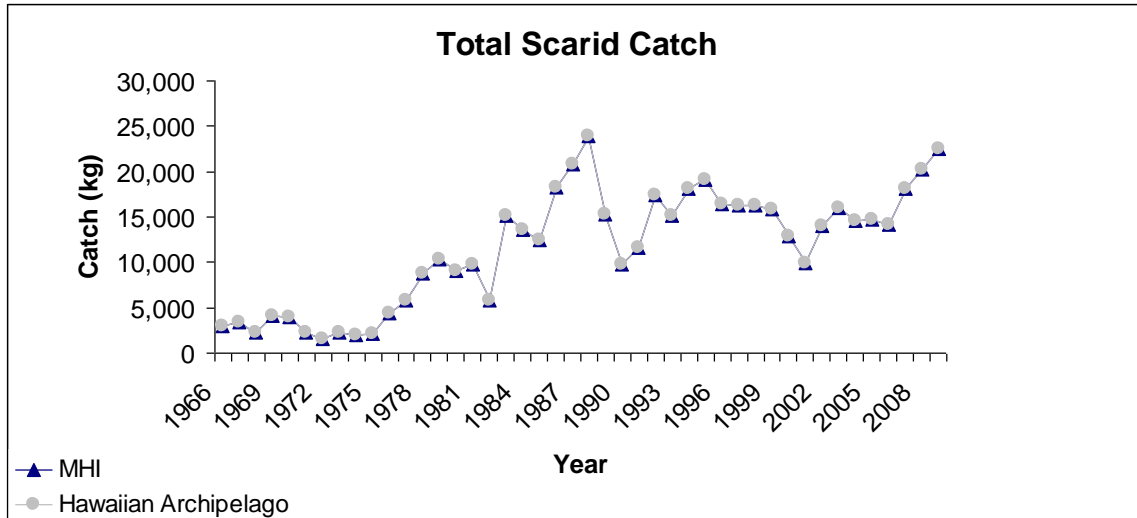
# SCARIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	80.6	17,913.0
Standard Deviation	91.3	3,487.1
Confidence Value	27.0	3,056.5
Upper Bound CI	107.5	20,969.5
Lower Bound CI	53.6	14,856.5

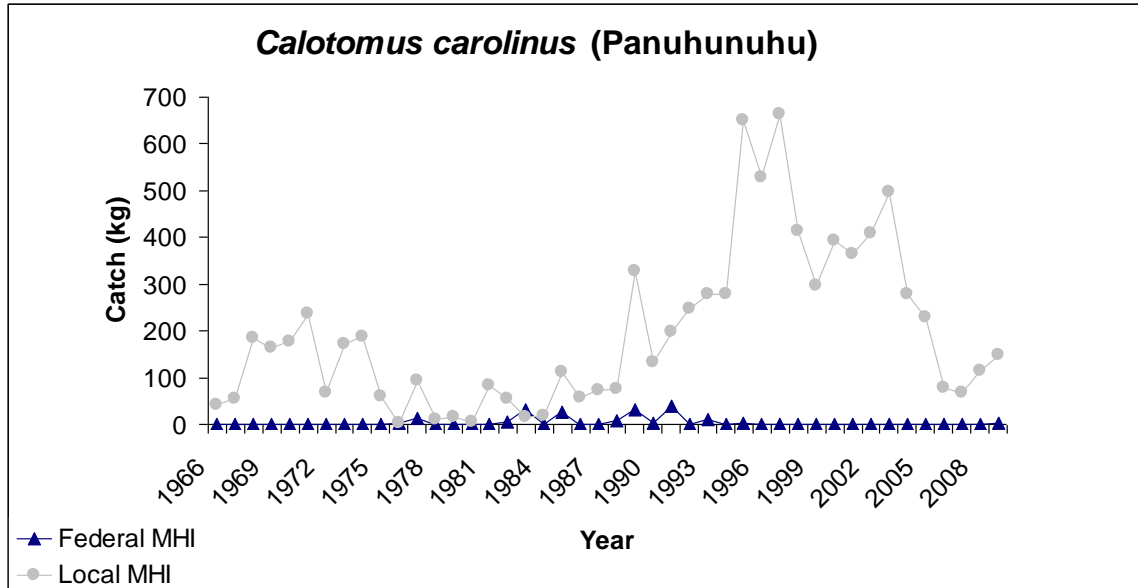
  

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	570.5	11,096.7
Standard Deviation	921.8	6,461.5
Confidence Value	272.4	1,909.2
Upper Bound CI	842.9	13,005.9
Lower Bound CI	298.1	9,187.5



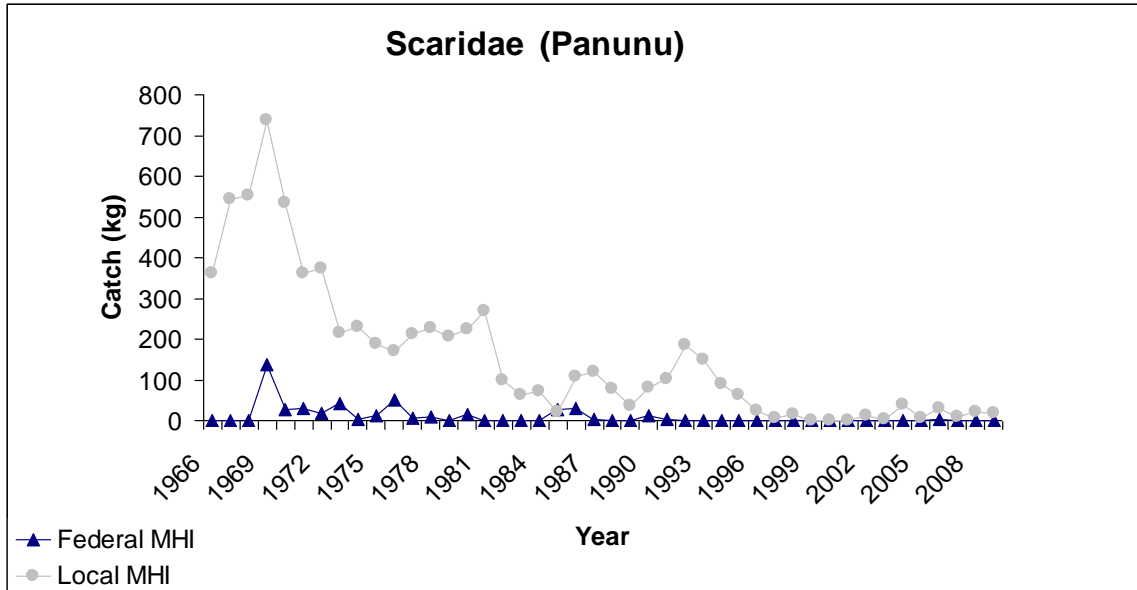
Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	17,993.6	17,993.6
Standard Deviation	3,563.6	3,563.6
Confidence Value	3,123.6	3,123.6
Upper Bound CI	21,117.1	21,117.1
Lower Bound CI	14,870.0	14,870.0

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	11,667.2	11,668.4
Standard Deviation	6,425.0	6,425.7
Confidence Value	1,898.4	1,898.6
Upper Bound CI	13,565.6	13,567.0
Lower Bound CI	9,768.8	9,769.7



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.3	127.6
Standard Deviation	0.6	64.2
Confidence Value	0.5	56.3
Upper Bound CI	0.8	183.9
Lower Bound CI	-0.3	71.3

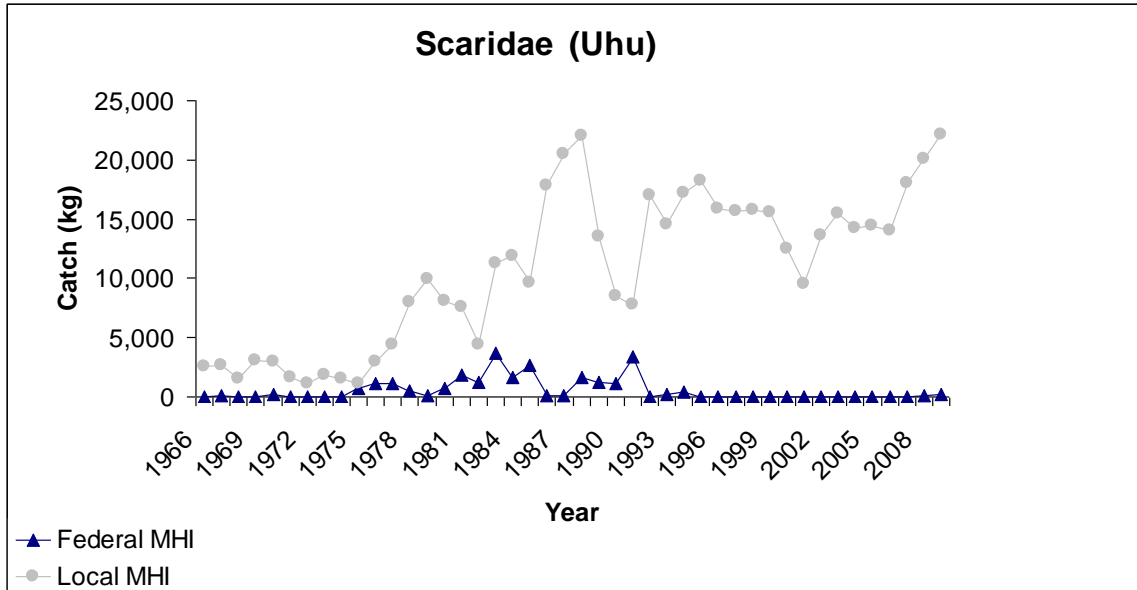
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	3.9	194.4
Standard Deviation	9.1	171.5
Confidence Value	2.7	50.7
Upper Bound CI	6.6	245.1
Lower Bound CI	1.2	143.7



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.5	17.1
Standard Deviation	1.0	9.2
Confidence Value	0.9	8.1
Upper Bound CI	1.3	25.2
Lower Bound CI	-0.4	9.0

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	9.7	163.1
Standard Deviation	23.1	176.6
Confidence Value	6.8	52.2
Upper Bound CI	16.6	215.3
Lower Bound CI	2.9	111.0

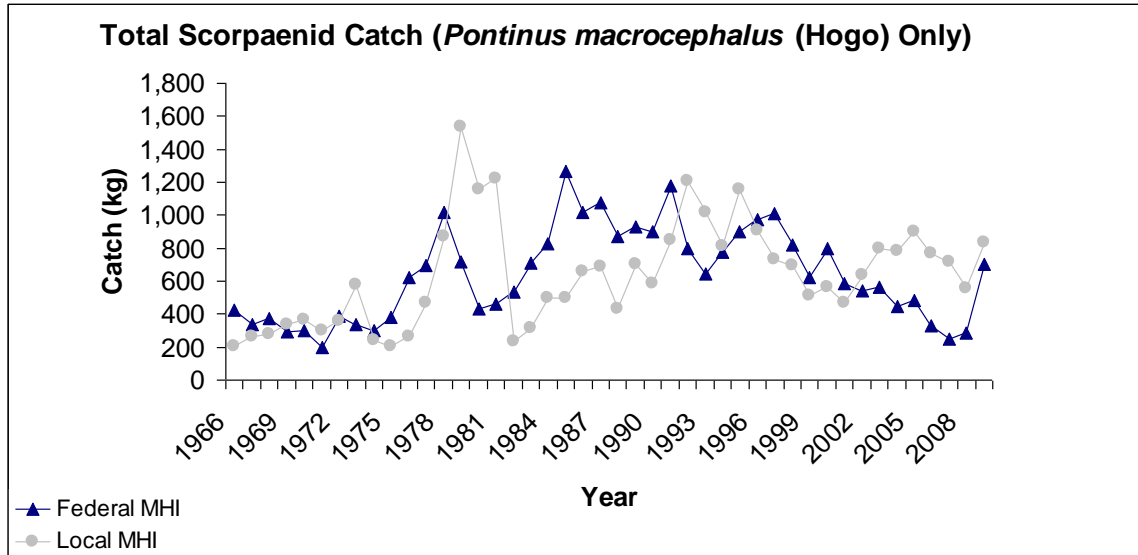




Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	79.8	17,768.3
Standard Deviation	91.0	3,495.2
Confidence Value	79.8	3,063.6
Upper Bound CI	159.6	20,831.9
Lower Bound CI	0.1	14,704.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	556.9	10,746.6
Standard Deviation	915.0	6,520.6
Confidence Value	270.4	1,926.7
Upper Bound CI	827.2	12,673.3
Lower Bound CI	286.5	8,819.9

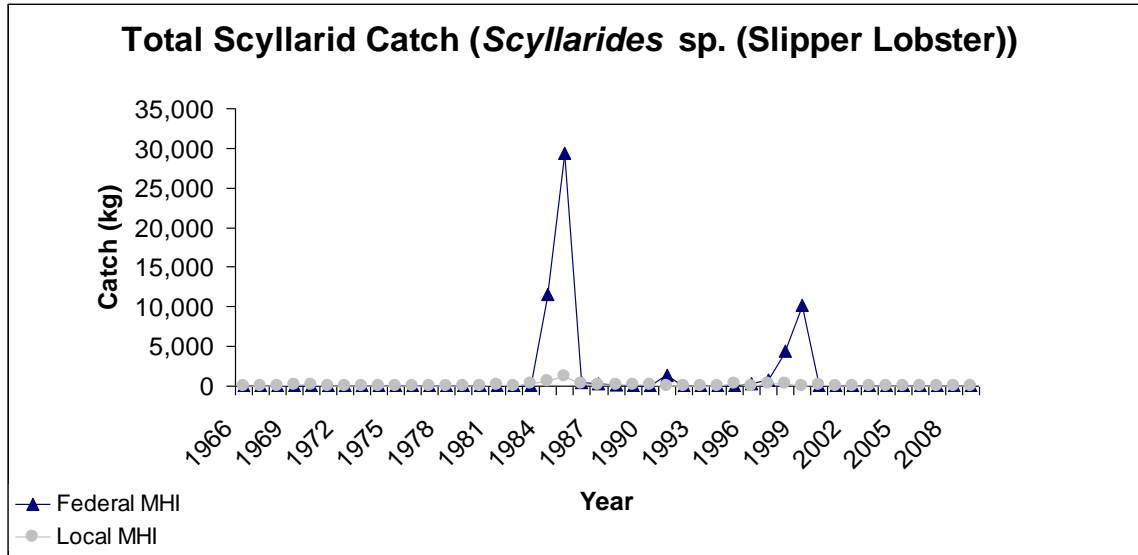
# SCORPAENIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	408.4	756.0
Standard Deviation	188.2	128.7
Confidence Value	165.0	112.8
Upper Bound CI	573.4	868.9
Lower Bound CI	243.5	643.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	638.3	640.2
Standard Deviation	279.5	316.6
Confidence Value	82.6	93.5
Upper Bound CI	720.9	733.8
Lower Bound CI	555.7	546.7

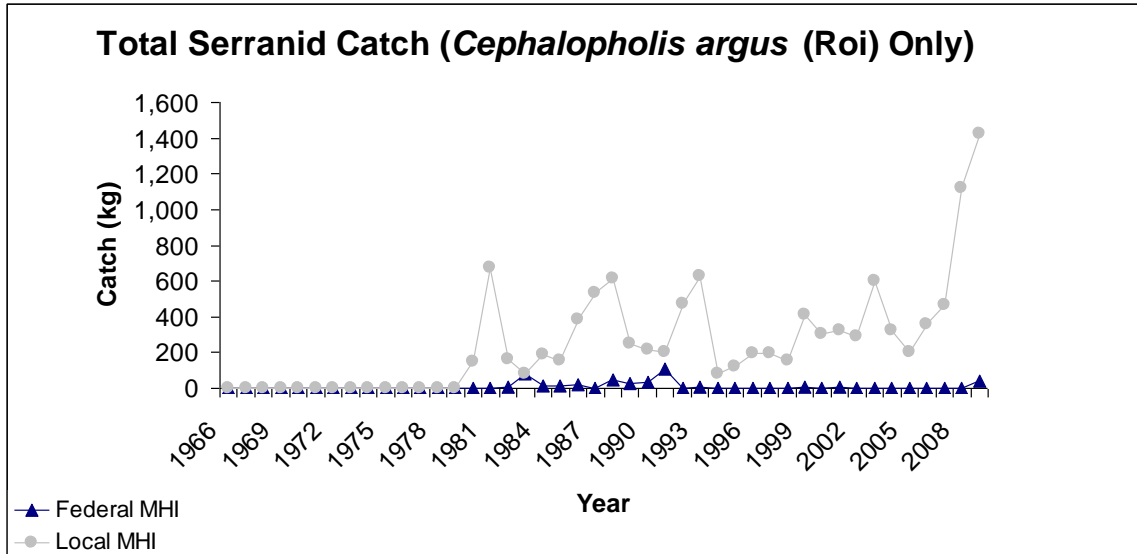
# SCYLLARIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.0	9.4
Standard Deviation	0.0	5.9
Confidence Value	-	5.2
Upper Bound CI	-	14.6
Lower Bound CI	-	4.2

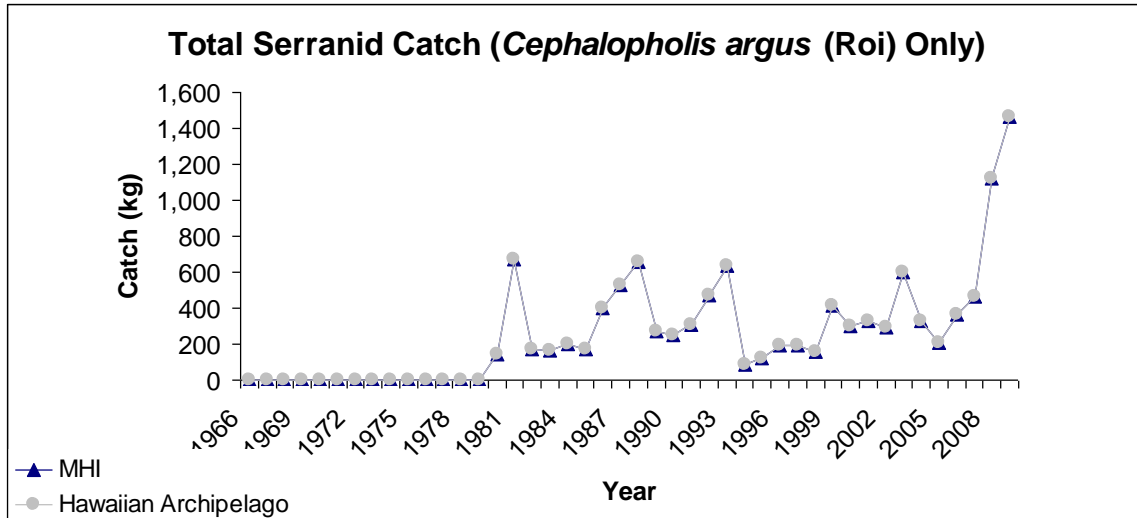
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1,341.7	122.0
Standard Deviation	4,933.7	206.9
Confidence Value	1,457.8	61.1
Upper Bound CI	2,799.5	183.2
Lower Bound CI	-116.1	60.9

# SERRANIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	8.5	715.8
Standard Deviation	16.7	529.2
Confidence Value	4.9	463.9
Upper Bound CI	13.4	1,179.6
Lower Bound CI	3.5	251.9

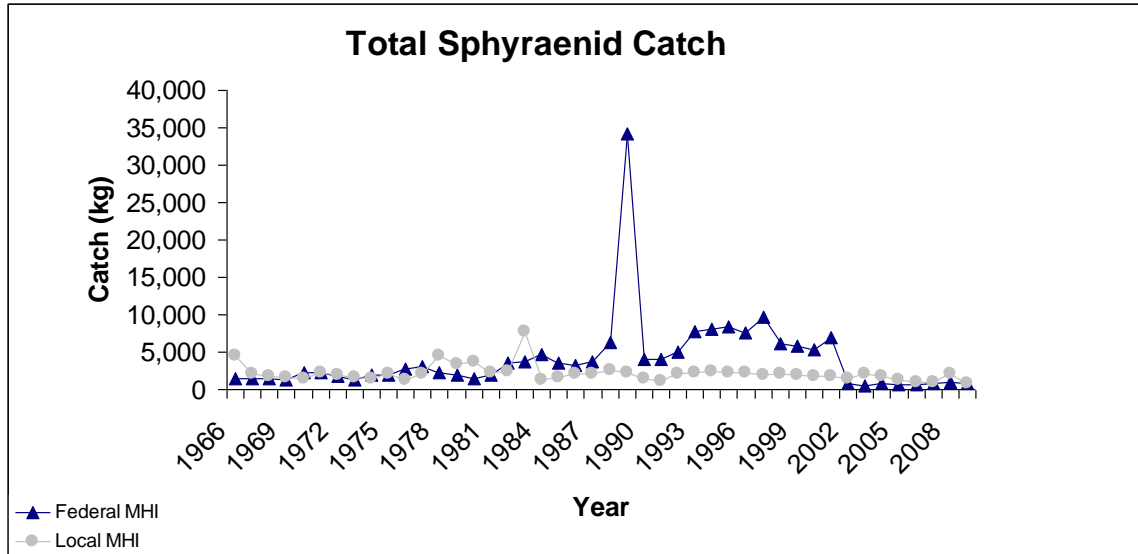
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	9.5	256.6
Standard Deviation	22.0	303.7
Confidence Value	6.5	89.7
Upper Bound CI	16.0	346.3
Lower Bound CI	3.0	166.8



Last Five Years	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	724.3	724.3
Standard Deviation	541.4	541.4
Confidence Value	474.5	474.5
Upper Bound CI	1,198.8	1,198.8
Lower Bound CI	249.7	249.7

Total Record	MHI (Federal +Local)	Hawaiian Archipelago
Mean Catch (kg)	266.1	266.1
Standard Deviation	307.6	307.6
Confidence Value	90.9	90.9
Upper Bound CI	357.0	357.0
Lower Bound CI	175.2	175.2

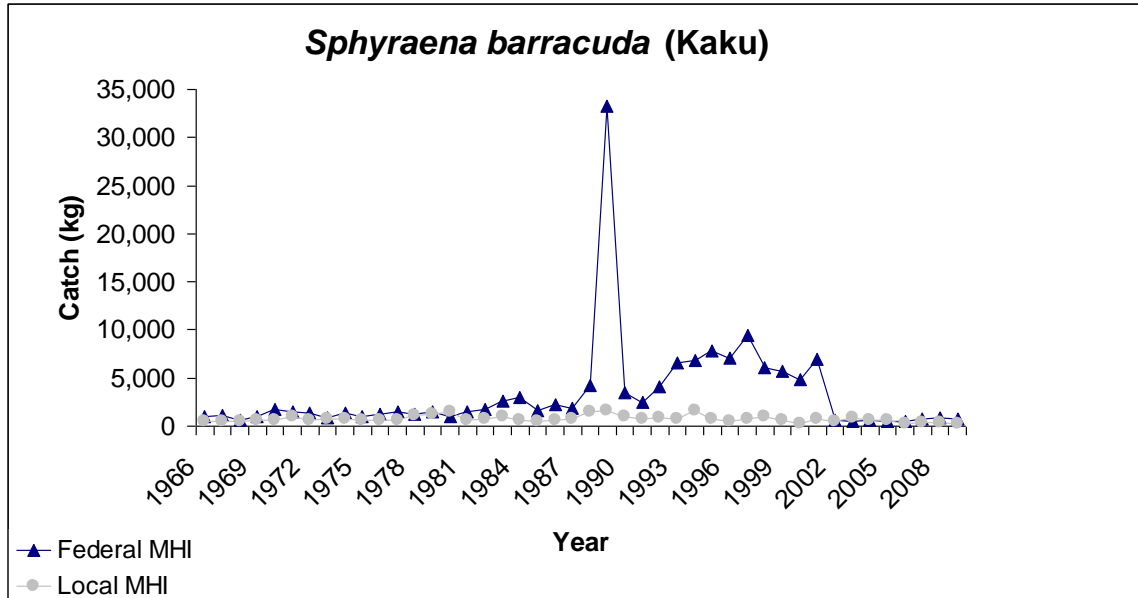
# SPHYRAENIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	746.0	1,226.8
Standard Deviation	134.1	513.1
Confidence Value	117.5	449.7
Upper Bound CI	863.5	1,676.5
Lower Bound CI	628.4	777.1

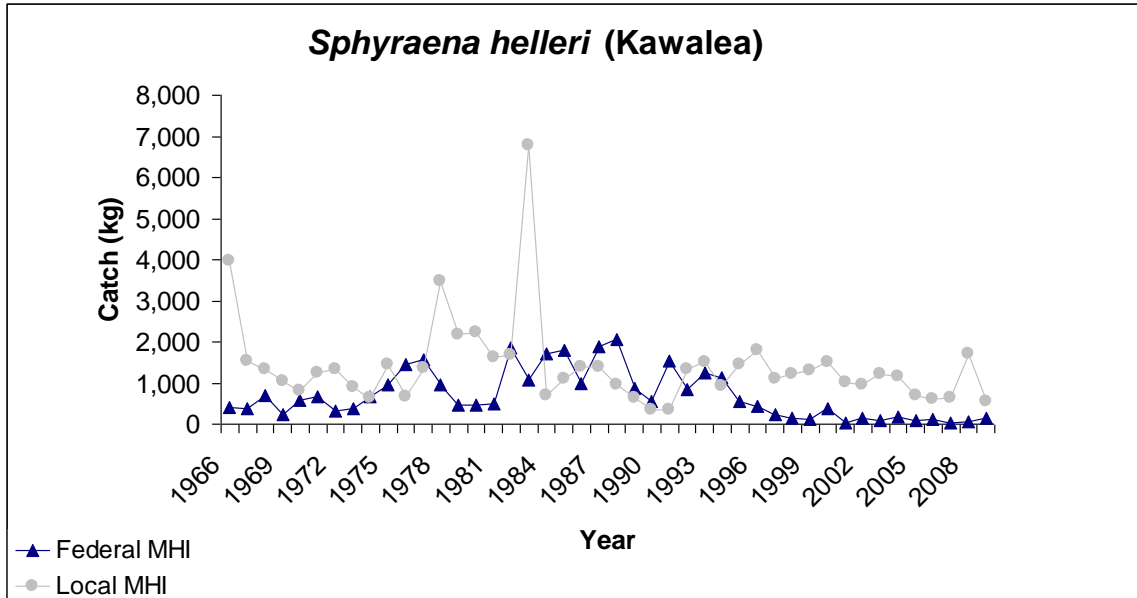
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	4,036.5	2,156.1
Standard Deviation	5,264.1	1,169.8
Confidence Value	1,555.4	345.6
Upper Bound CI	5,591.9	2,501.7
Lower Bound CI	2,481.1	1,810.5





Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	664.1	382.2
Standard Deviation	147.0	127.9
Confidence Value	128.9	112.1
Upper Bound CI	793.0	494.3
Lower Bound CI	535.3	270.0

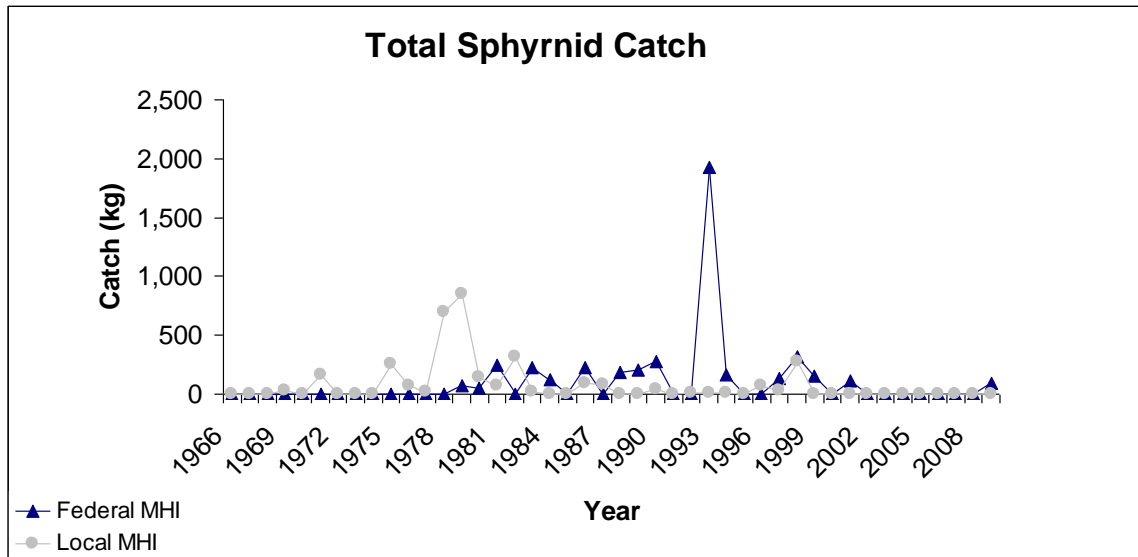
Total Record	Federal MHI	Local MHI
Mean Catch (kg)	3,334.7	751.8
Standard Deviation	5,202.9	326.7
Confidence Value	1,537.3	96.5
Upper Bound CI	4,872.0	848.3
Lower Bound CI	1,797.3	655.3



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	81.8	844.6
Standard Deviation	43.6	493.9
Confidence Value	38.2	432.9
Upper Bound CI	120.0	1,277.5
Lower Bound CI	43.6	411.7

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	701.8	1,404.3
Standard Deviation	588.3	1,081.8
Confidence Value	173.8	319.7
Upper Bound CI	875.7	1,723.9
Lower Bound CI	528.0	1,084.6

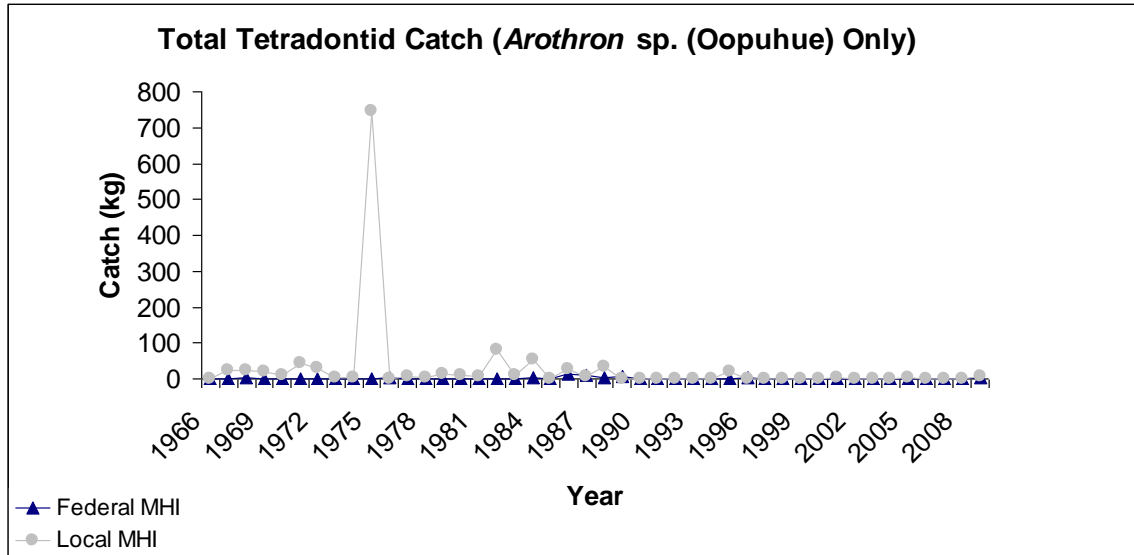
# SPHYRNIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	18.1	5.0
Standard Deviation	40.6	-
Confidence Value	35.6	-
Upper Bound CI	53.7	-
Lower Bound CI	-17.4	-

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	102.7	131.1
Standard Deviation	296.8	214.4
Confidence Value	87.7	63.3
Upper Bound CI	190.4	194.4
Lower Bound CI	15.0	67.7

# TETRADONTIDAE



Last Five Years	Federal MHI	Local MHI
Mean Catch (kg)	0.6	3.3
Standard Deviation	1.0	3.5
Confidence Value	0.9	3.1
Upper Bound CI	1.5	6.4
Lower Bound CI	-0.3	0.2

Total Record	Federal MHI	Local MHI
Mean Catch (kg)	1.2	41.1
Standard Deviation	2.7	136.9
Confidence Value	0.8	40.5
Upper Bound CI	2.0	81.6
Lower Bound CI	0.4	0.7