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Data and Assessment Workshop 1 - Data

- Commercial landings
- Recreational landings
- Discards
- CPUE indices
- Length composition
- Age composition
- Age-Length key

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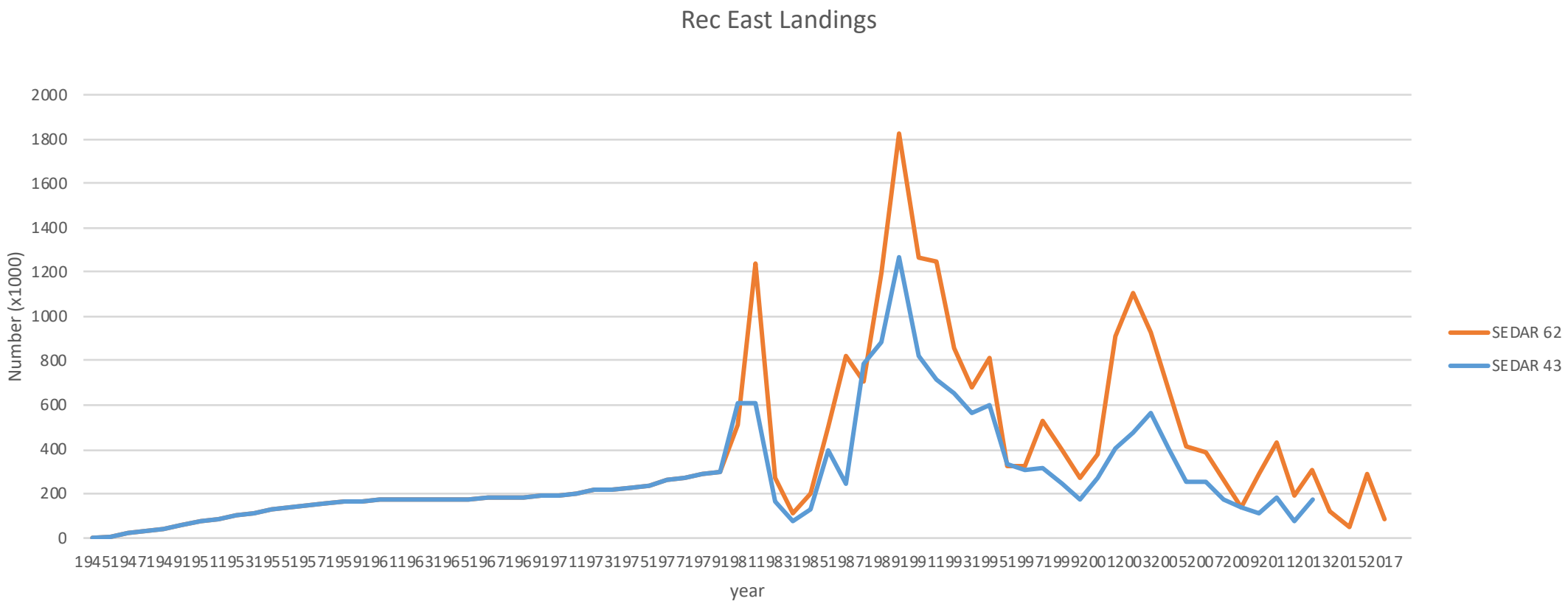
Recreational Landings - East



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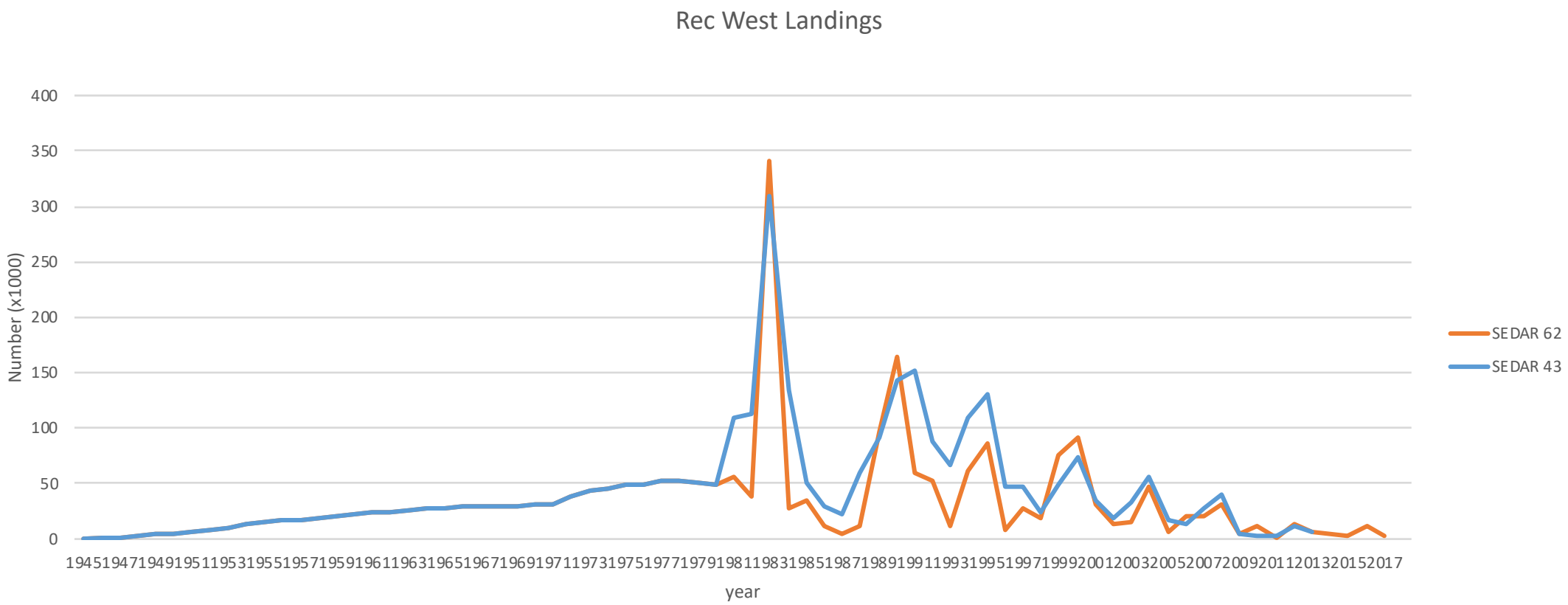
Recreational Landings - West



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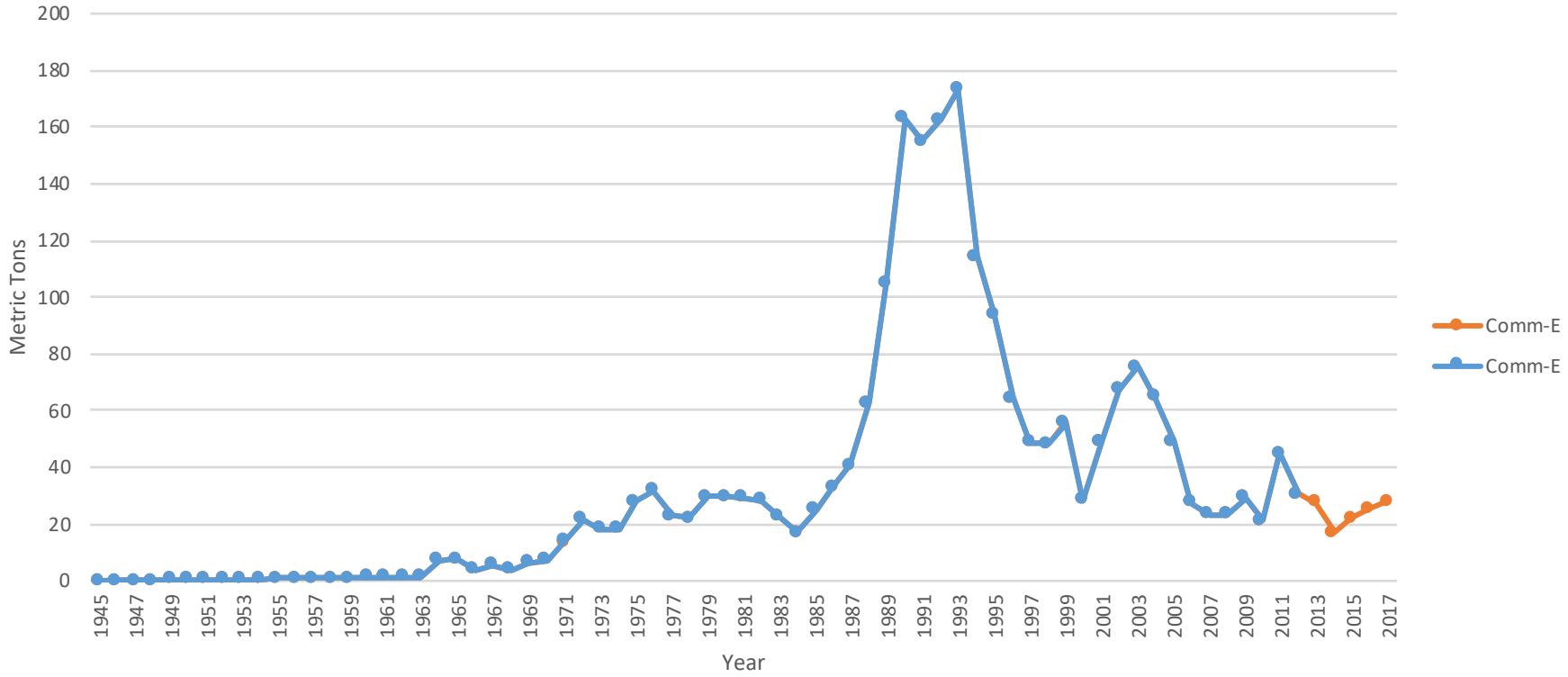
Commercial Landings East
SEDAR 43 vs. SEDAR 62



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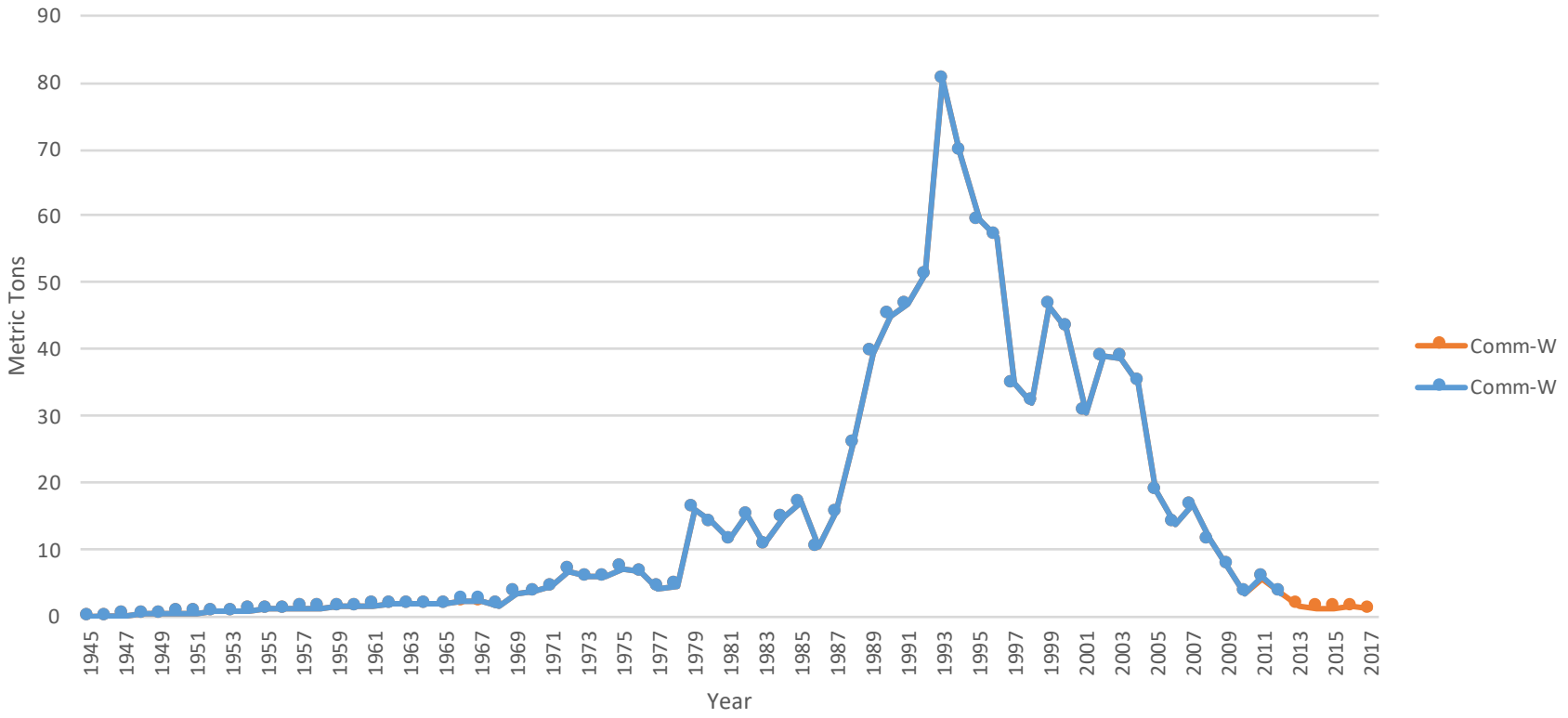
Commercial Landings West SEDAR 43 vs. SEDAR 62



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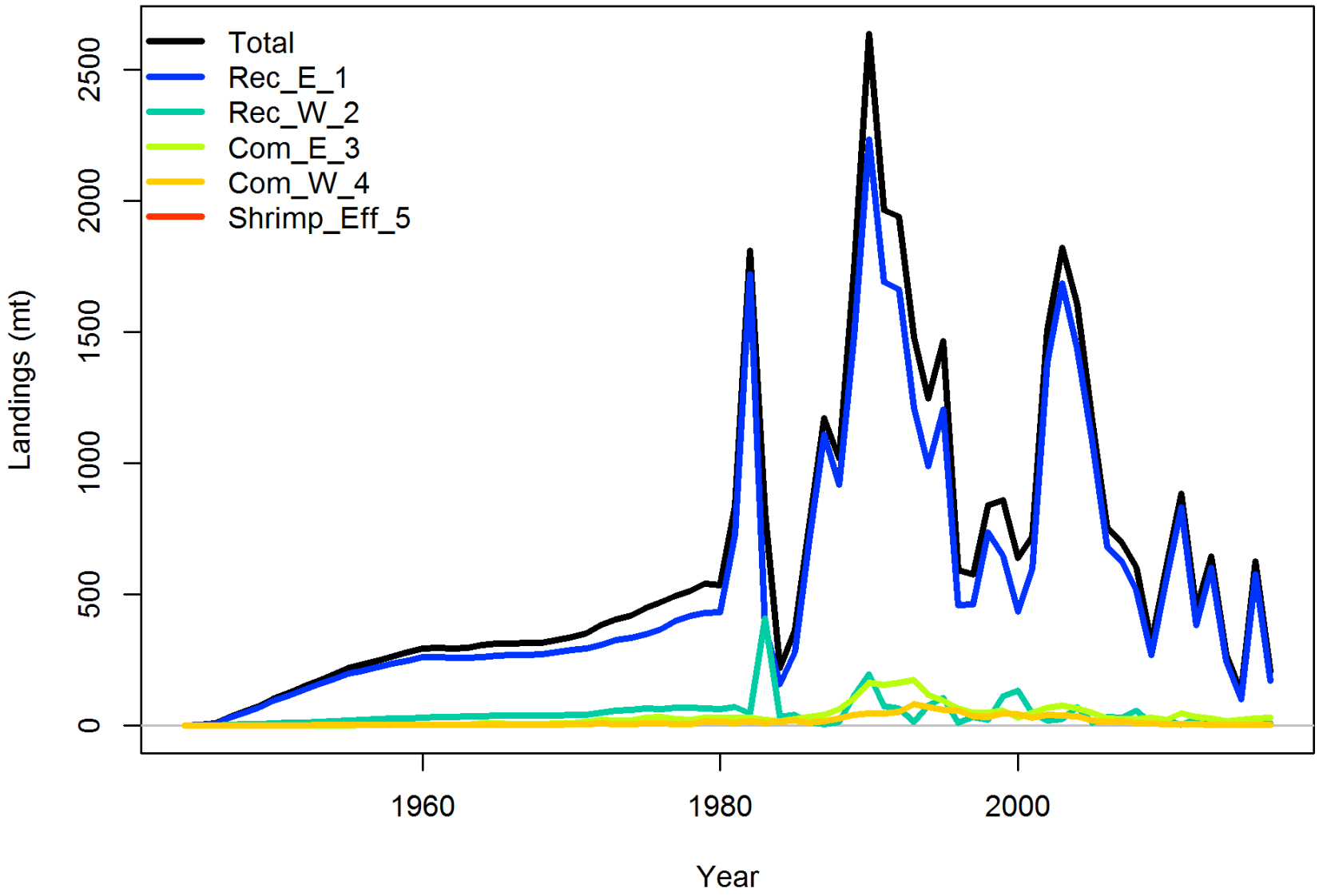

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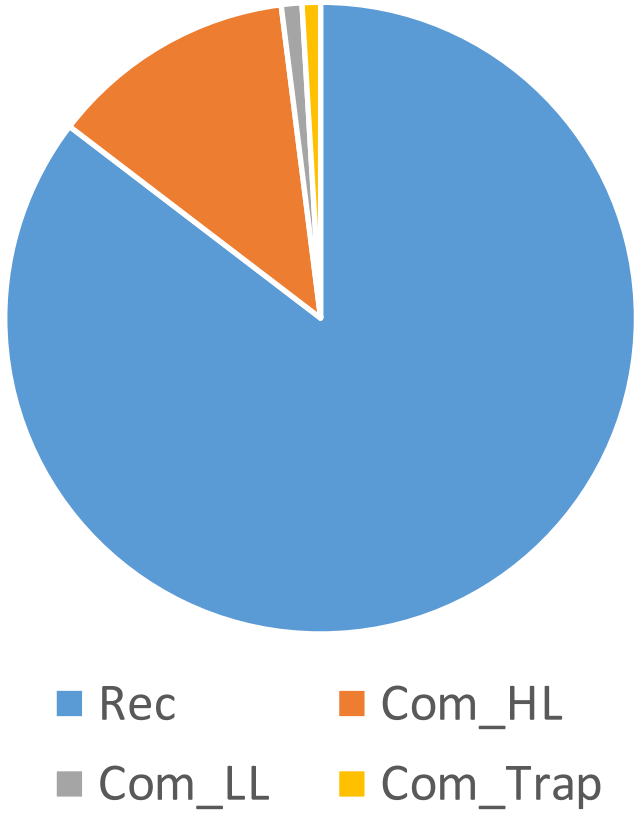
Recreational and Commercial Landings by Gear



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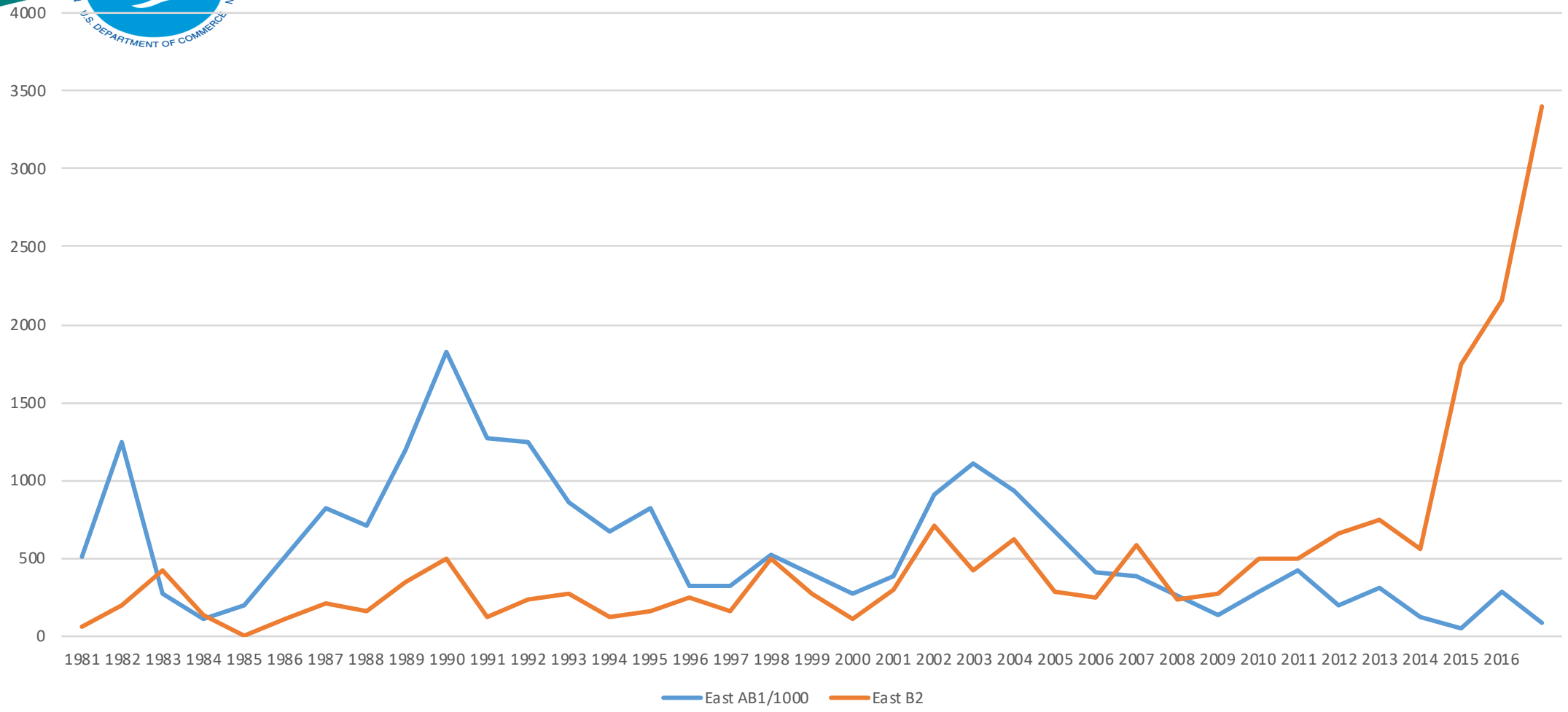
Rec East – Discards Vs Landings



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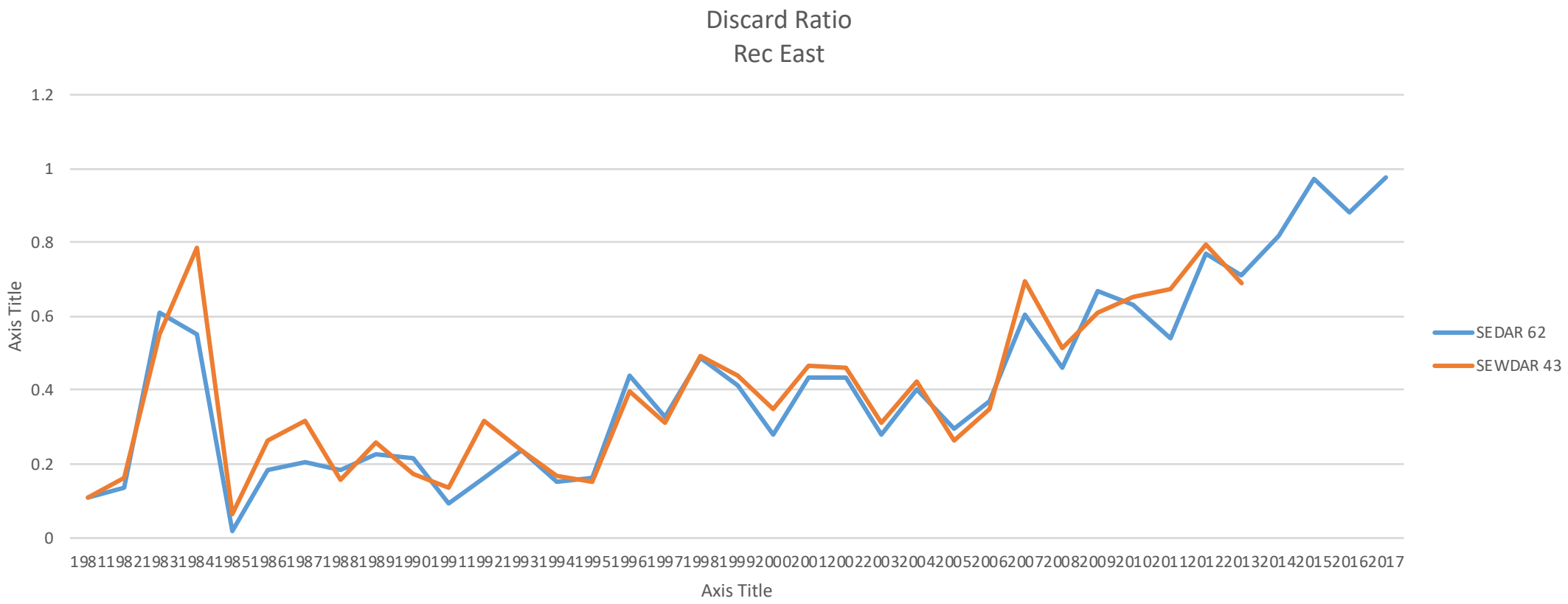
Rec East Discards as Fraction of Total Catch



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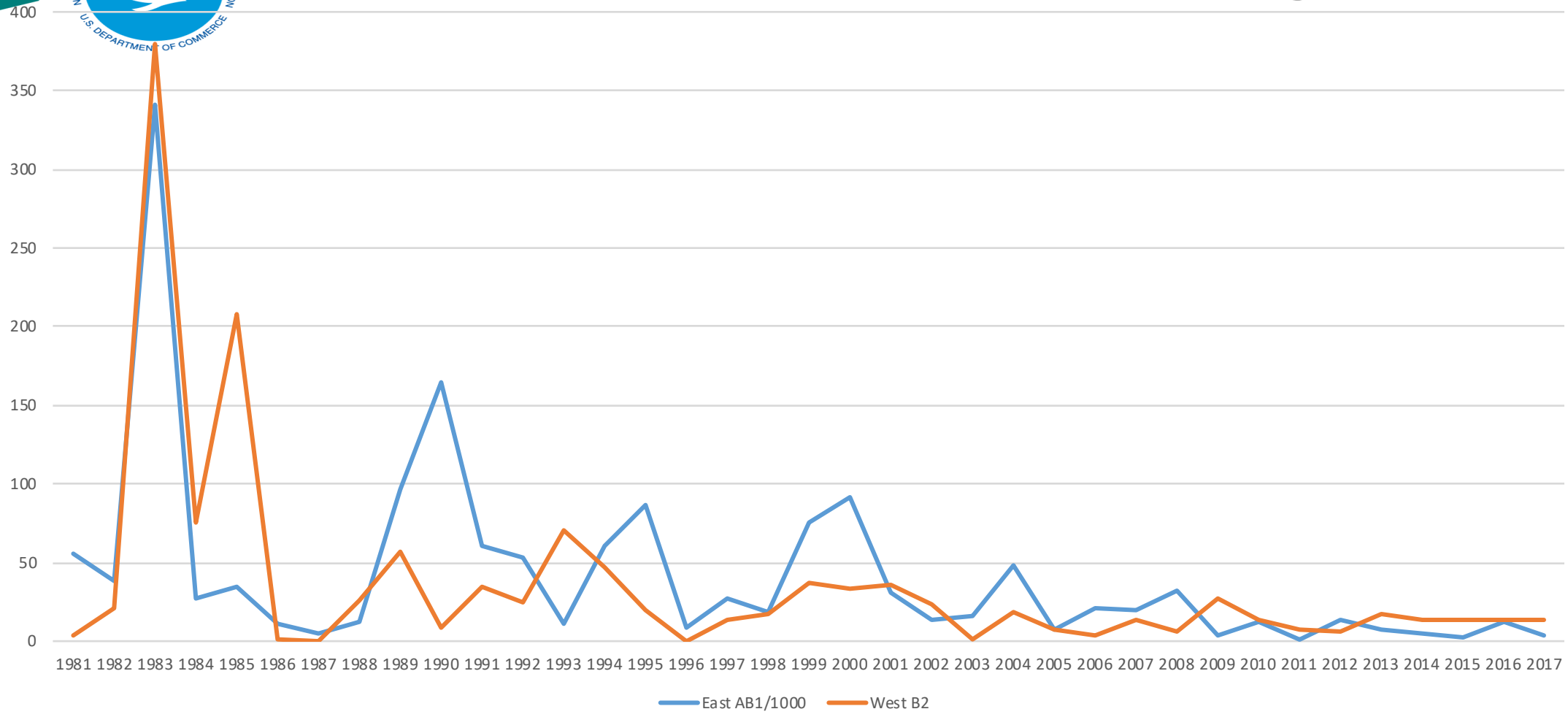
Rec West – Discards vs. Landings



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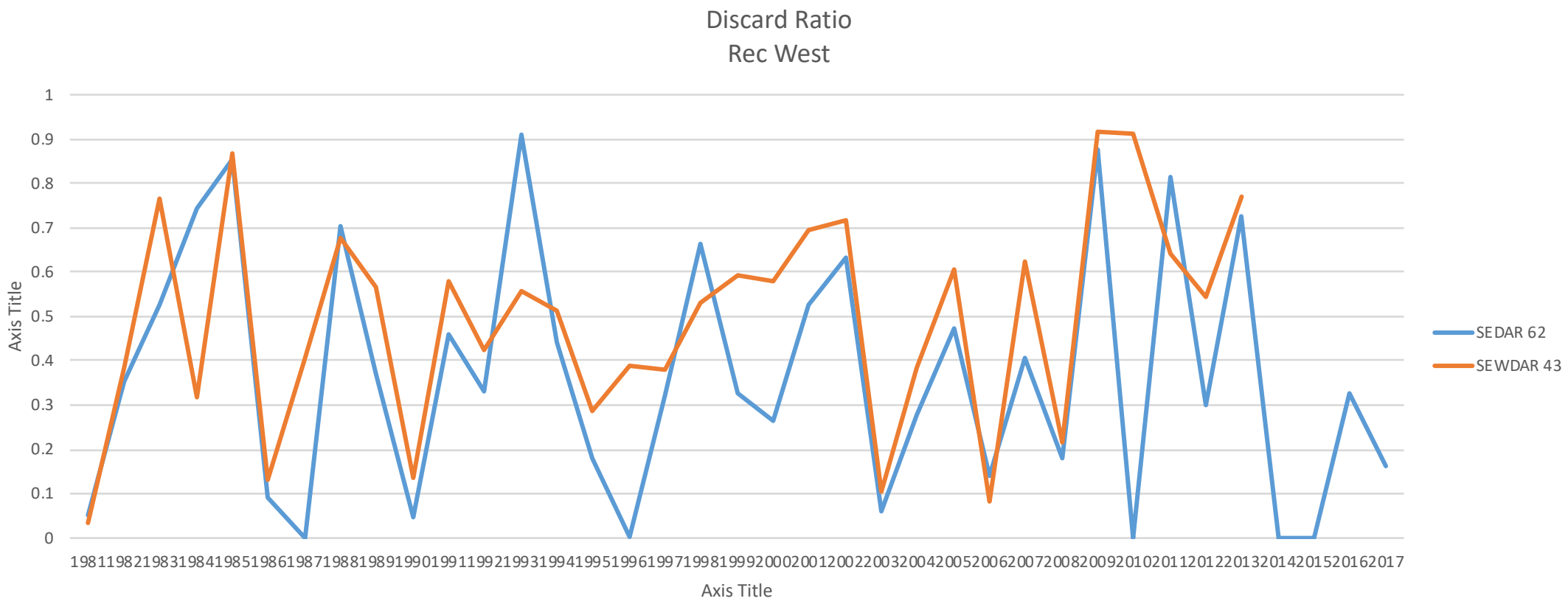
Rec West Discards as Fraction of Total Catch



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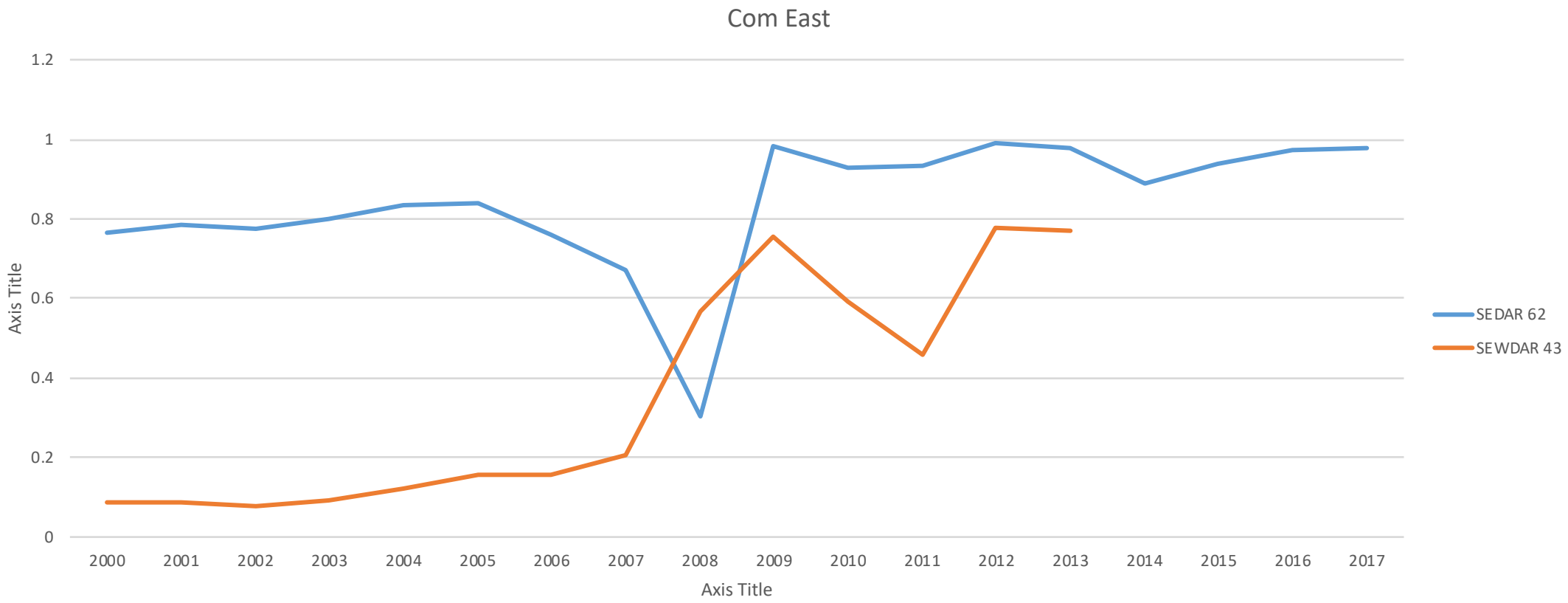
Com East Discards as Fraction of Landings



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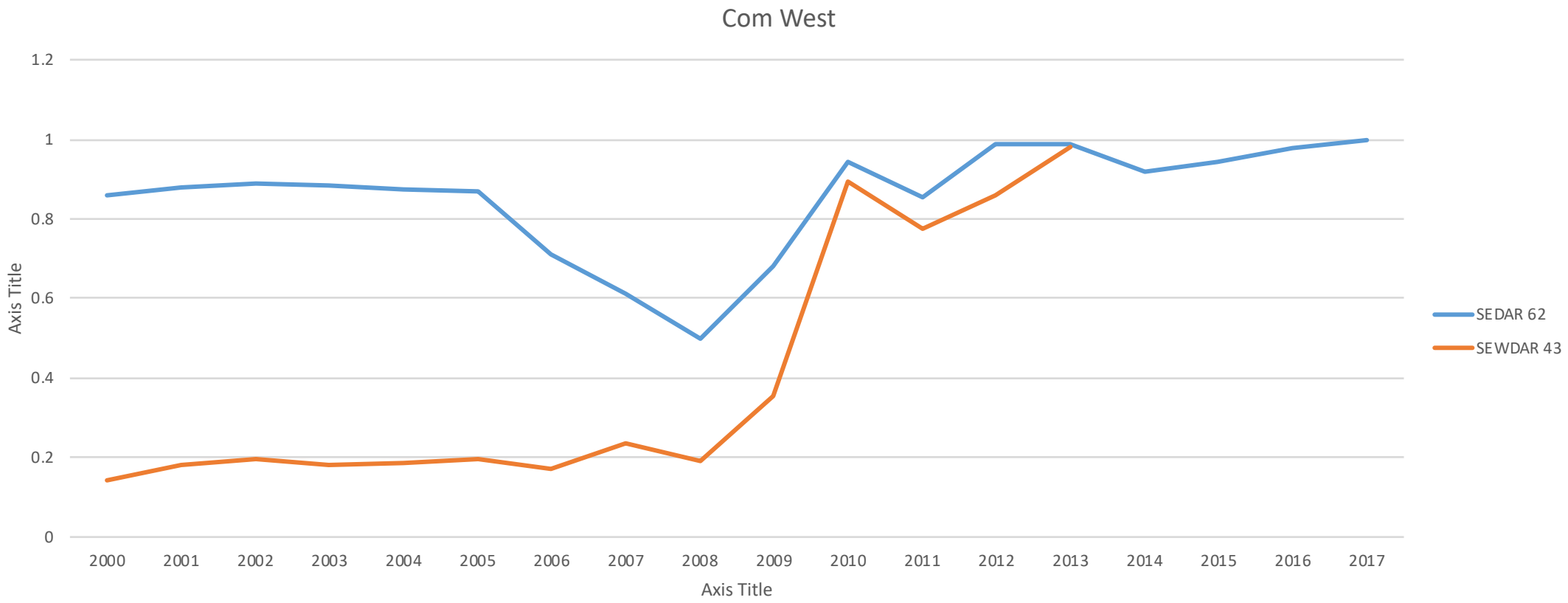
Com West - Discards as Fraction of Landings



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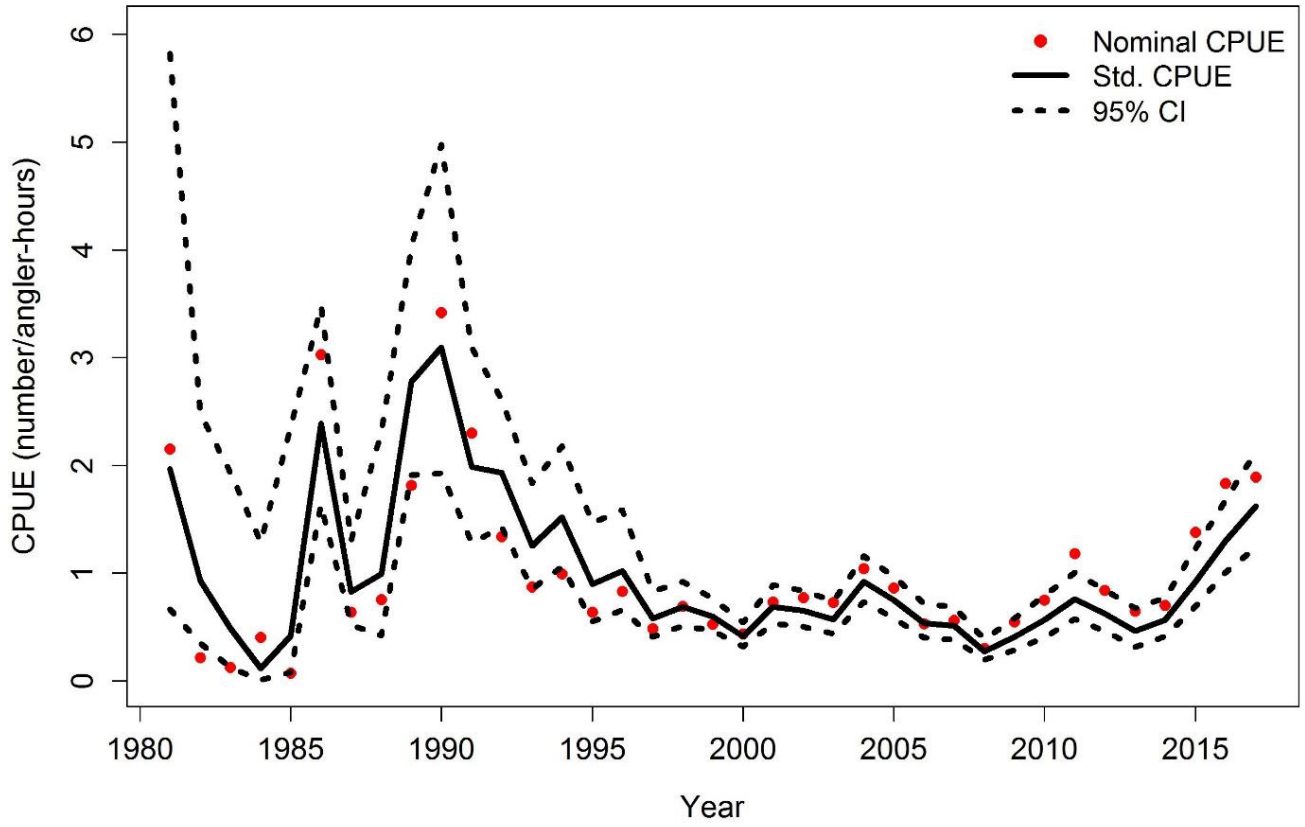
MRFSS East CPUE Index



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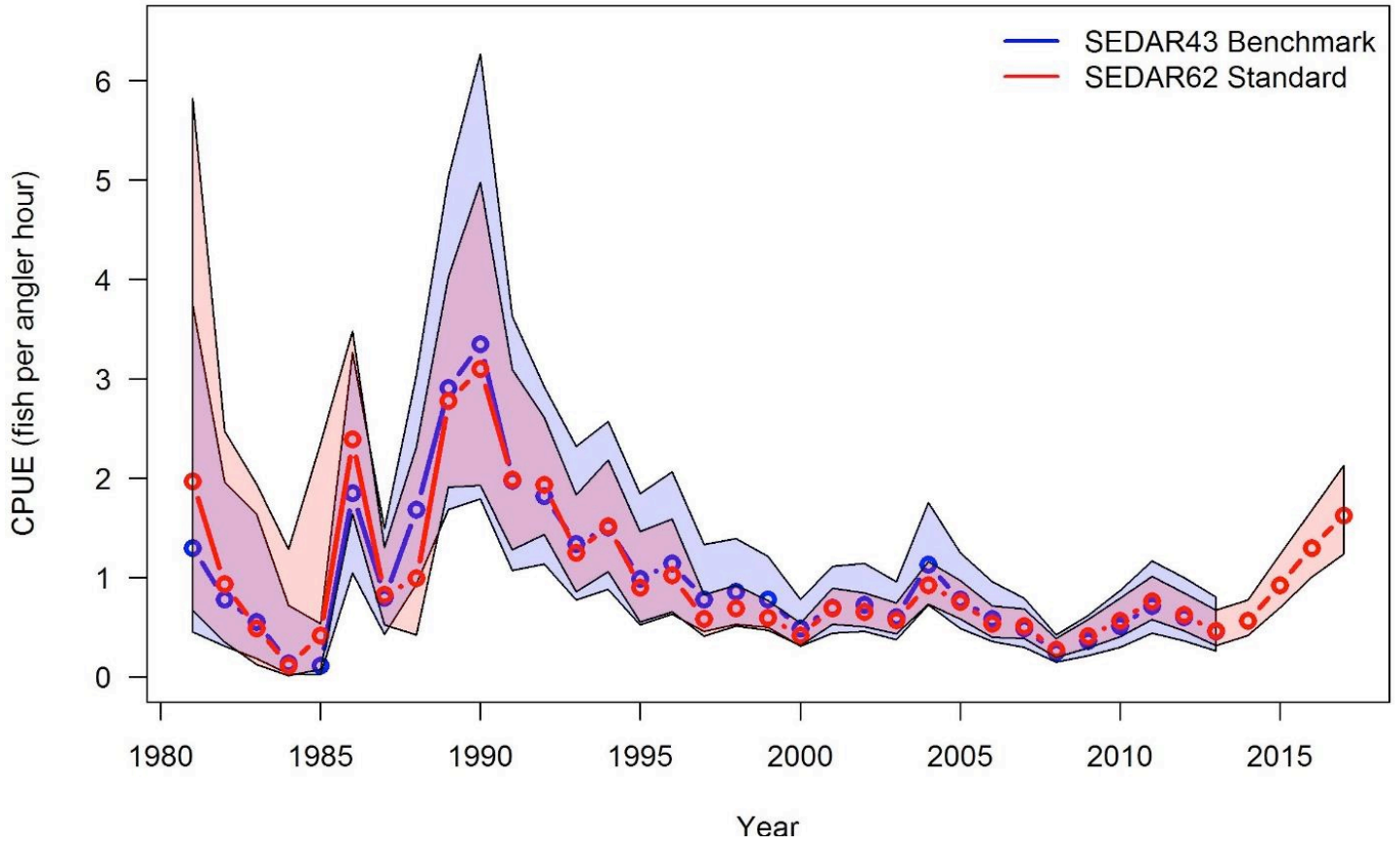
MRFSS East CPUE Index



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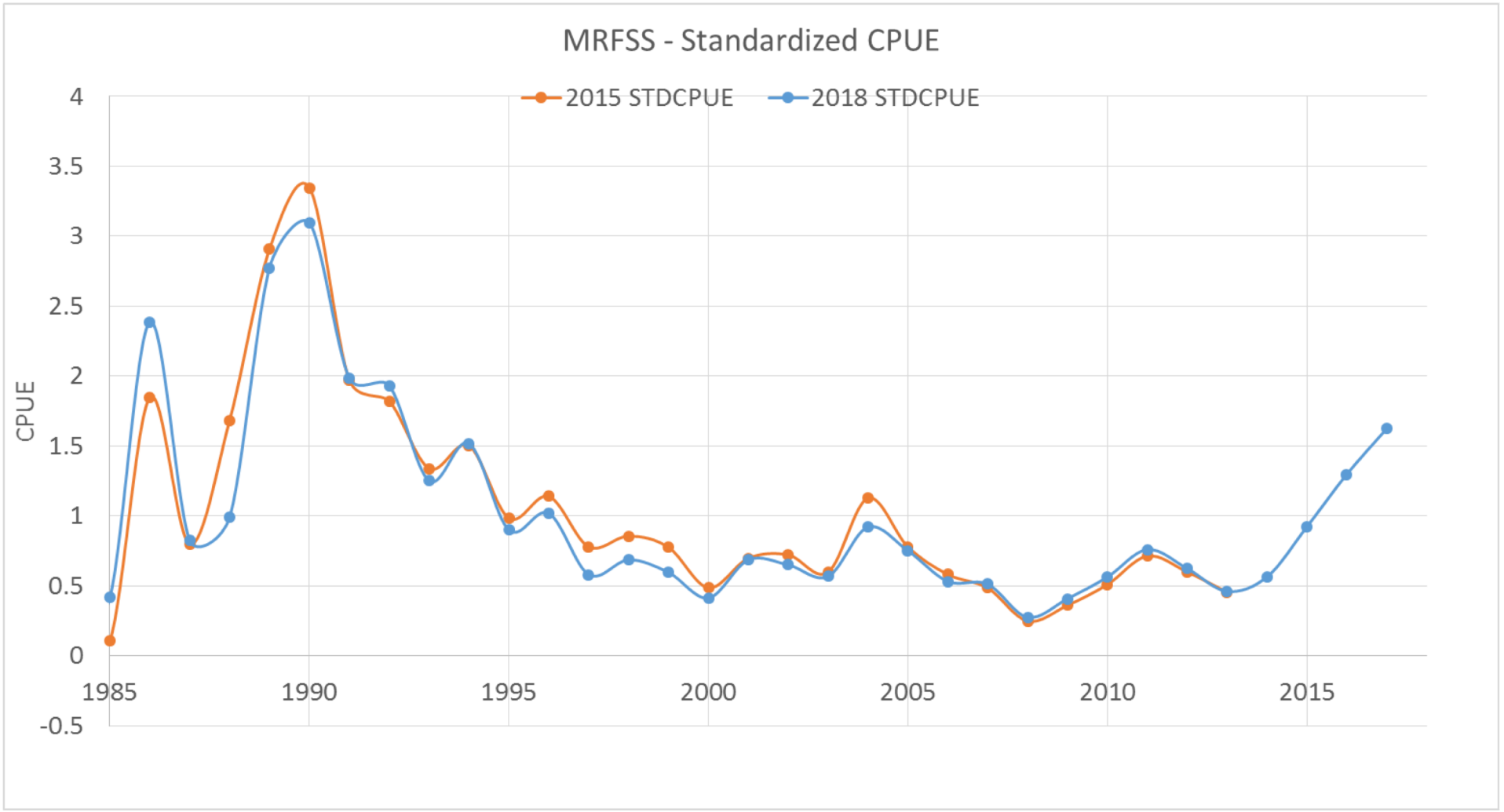

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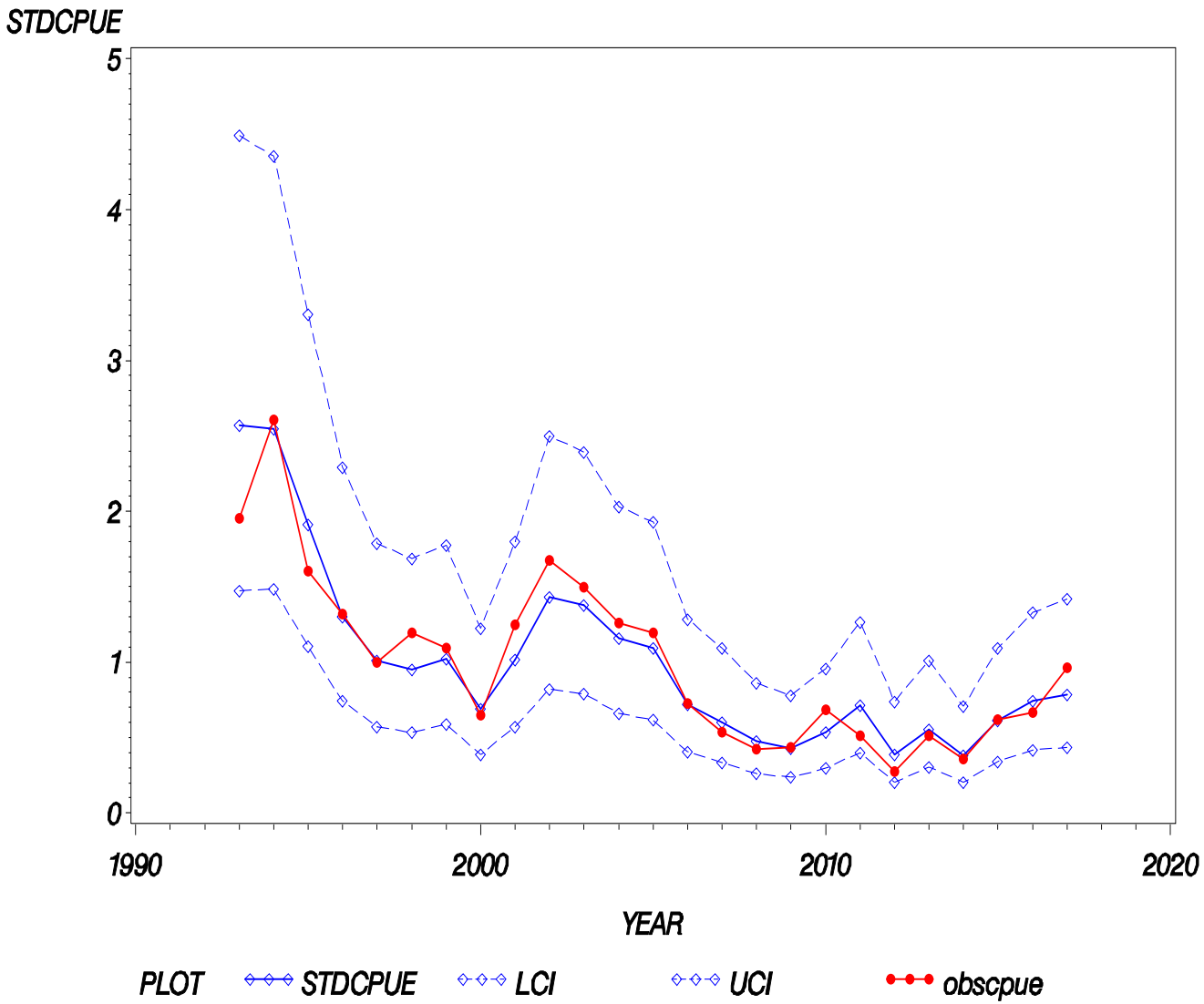

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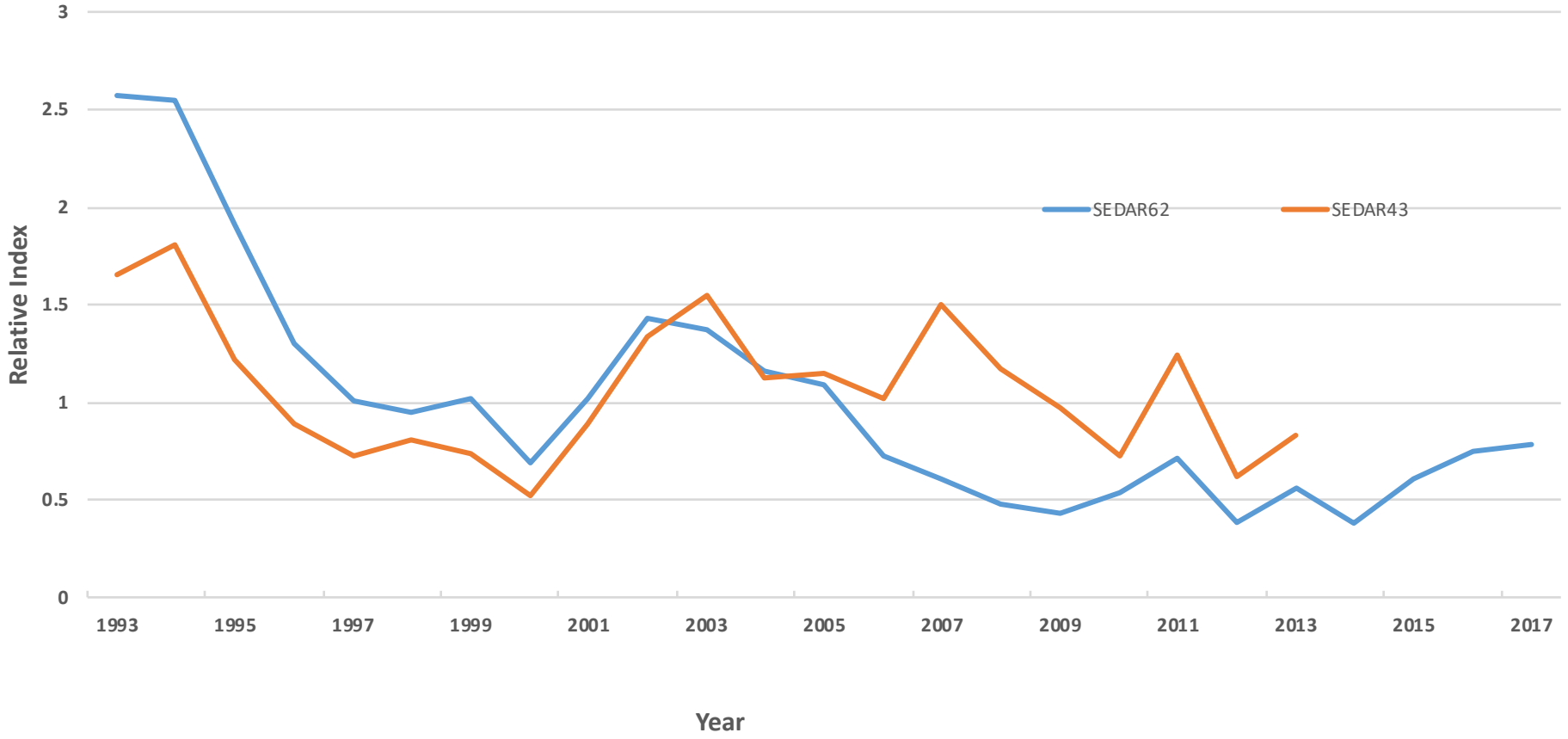
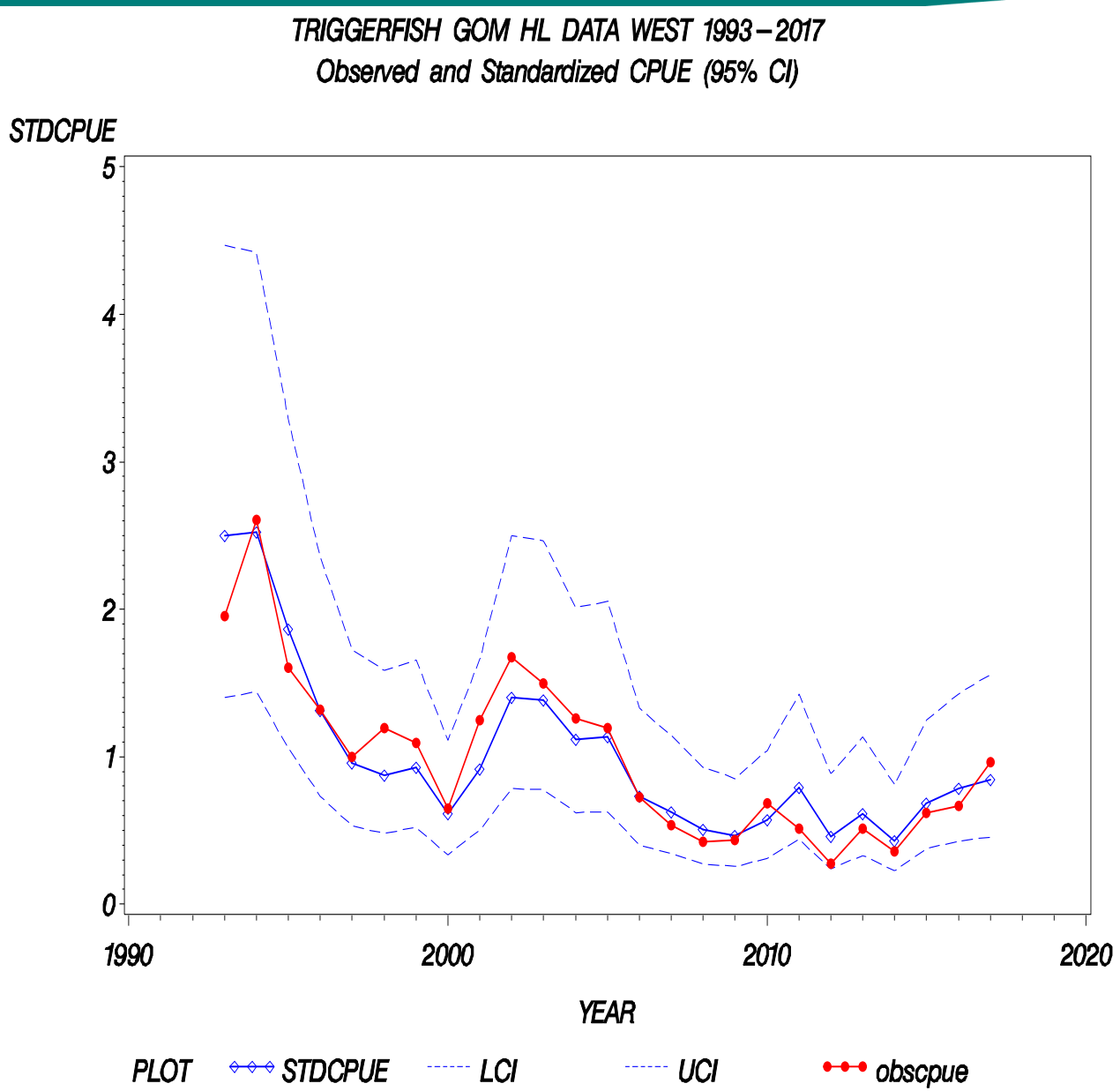
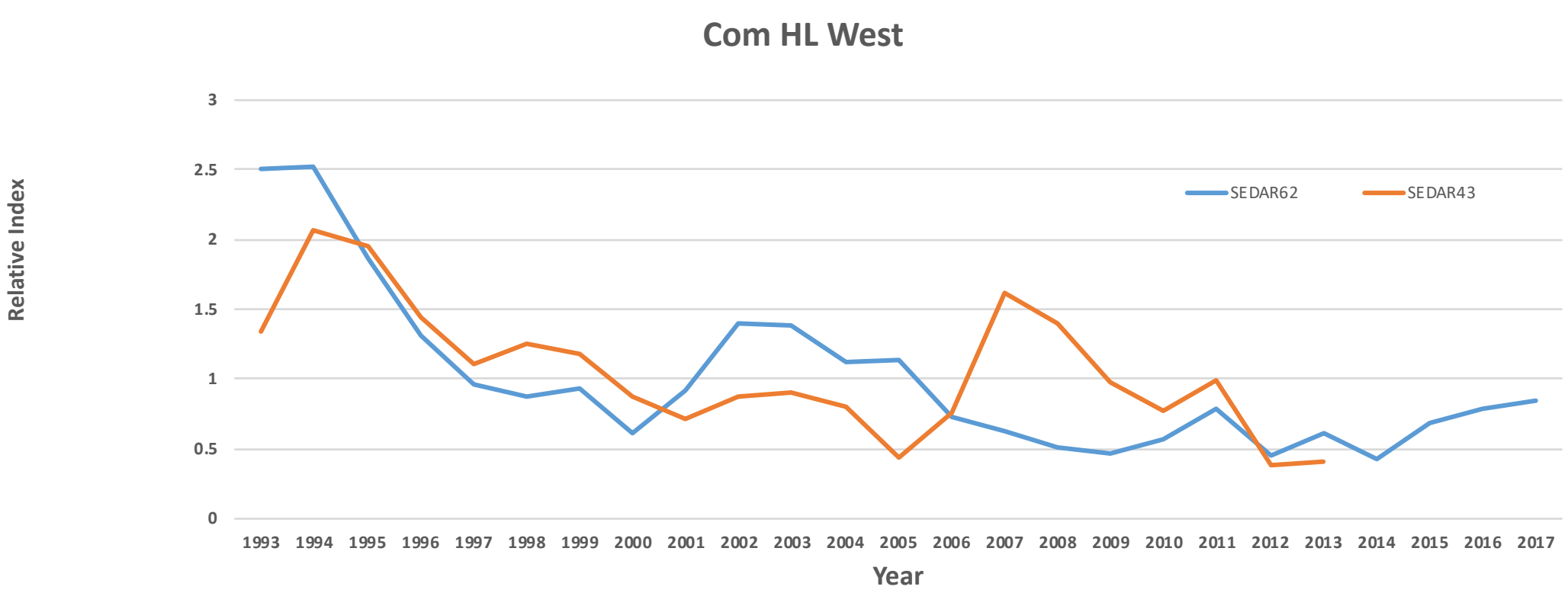
Com HL East CPUE Index



NOAA FISHERIES SERVICE



NOAA FISHERIES SERVICE



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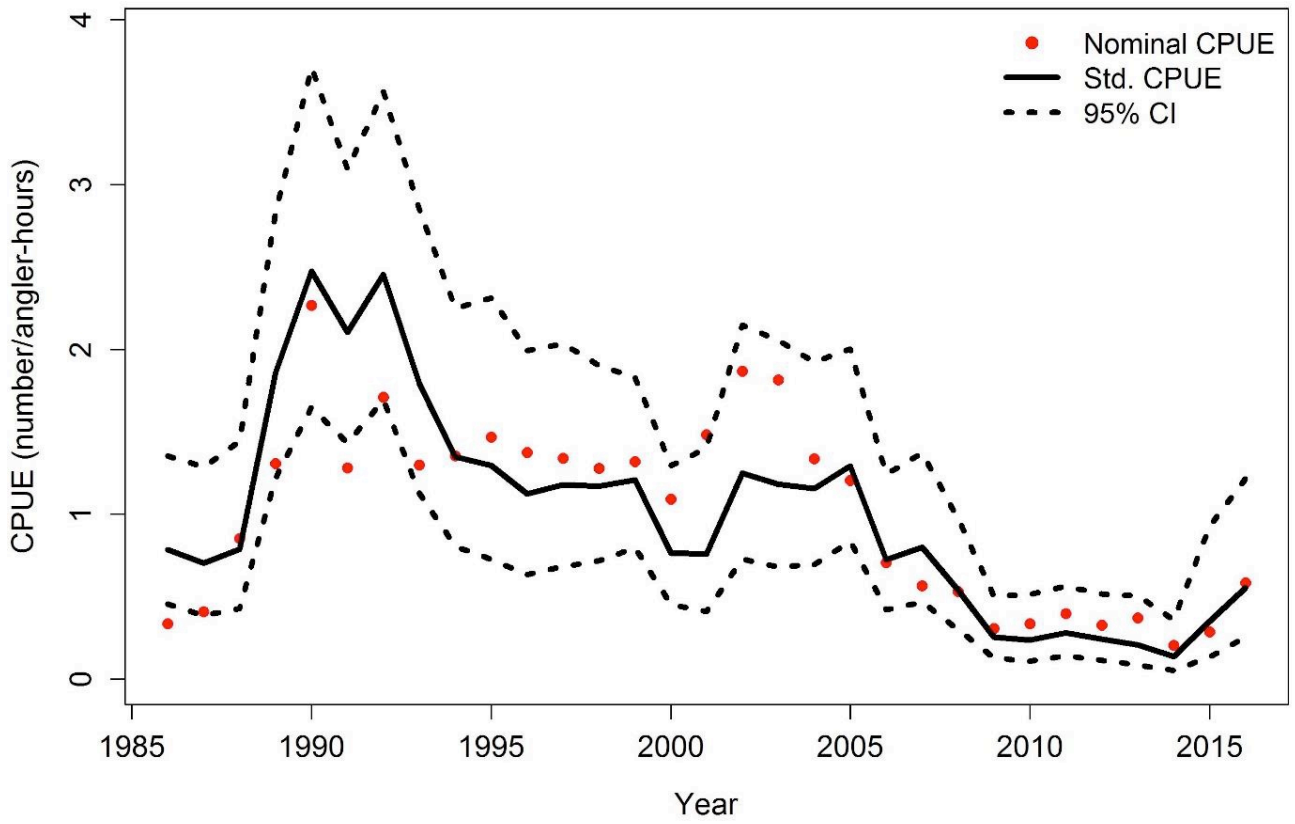
Headboat East - Standardized CPUE



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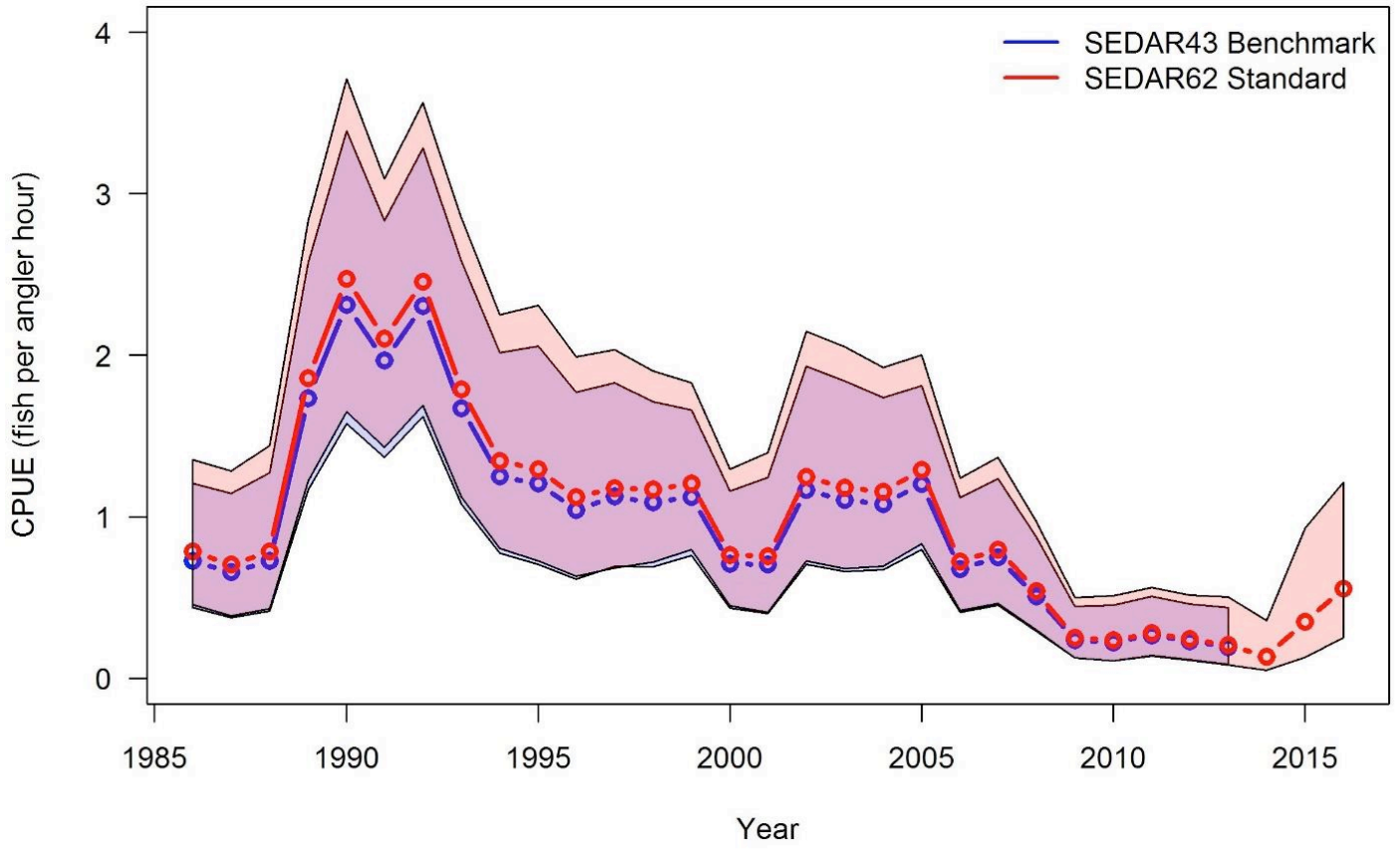
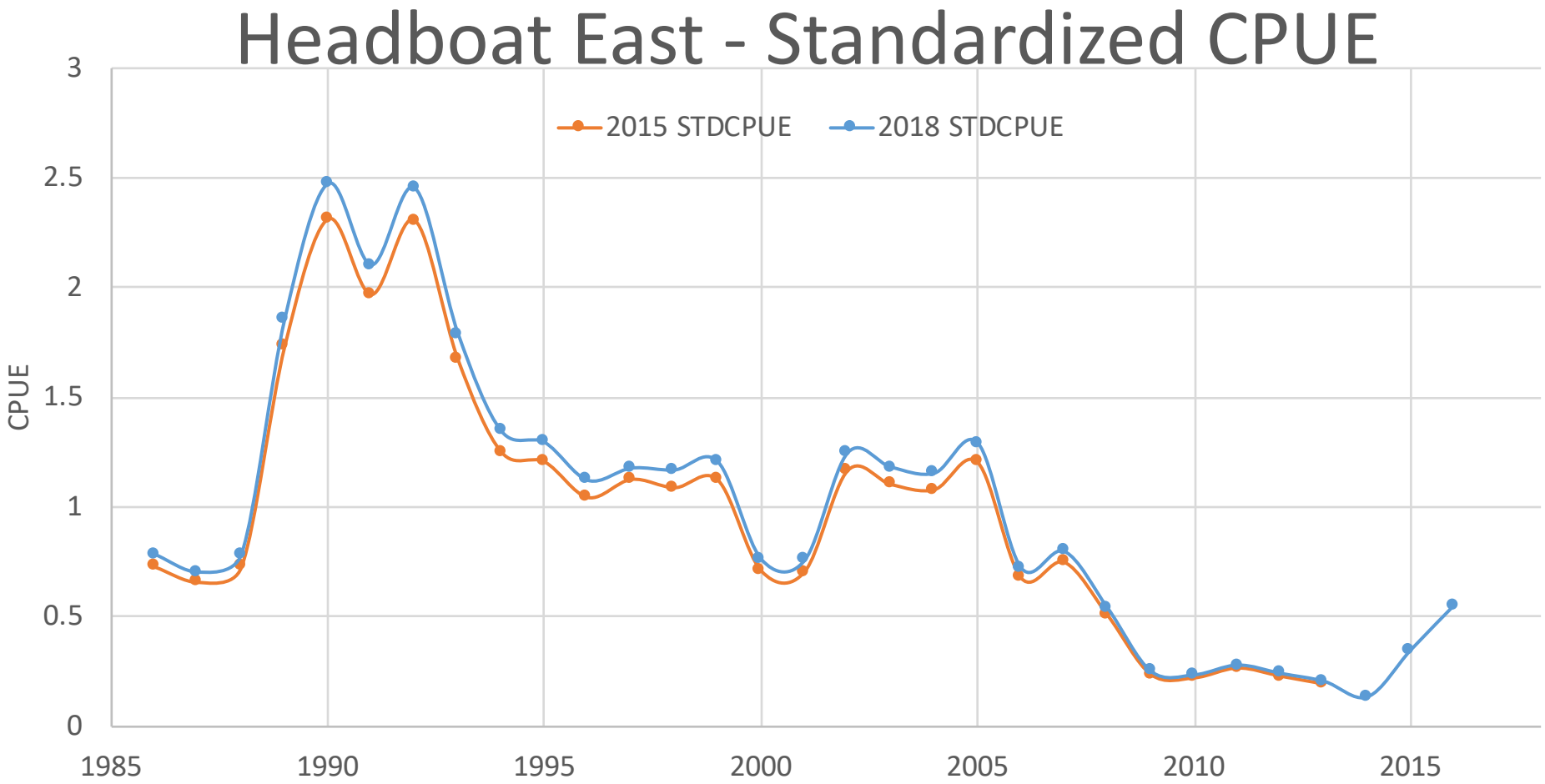
Headboat East - Standardized CPUE



NOAA FISHERIES SERVICE



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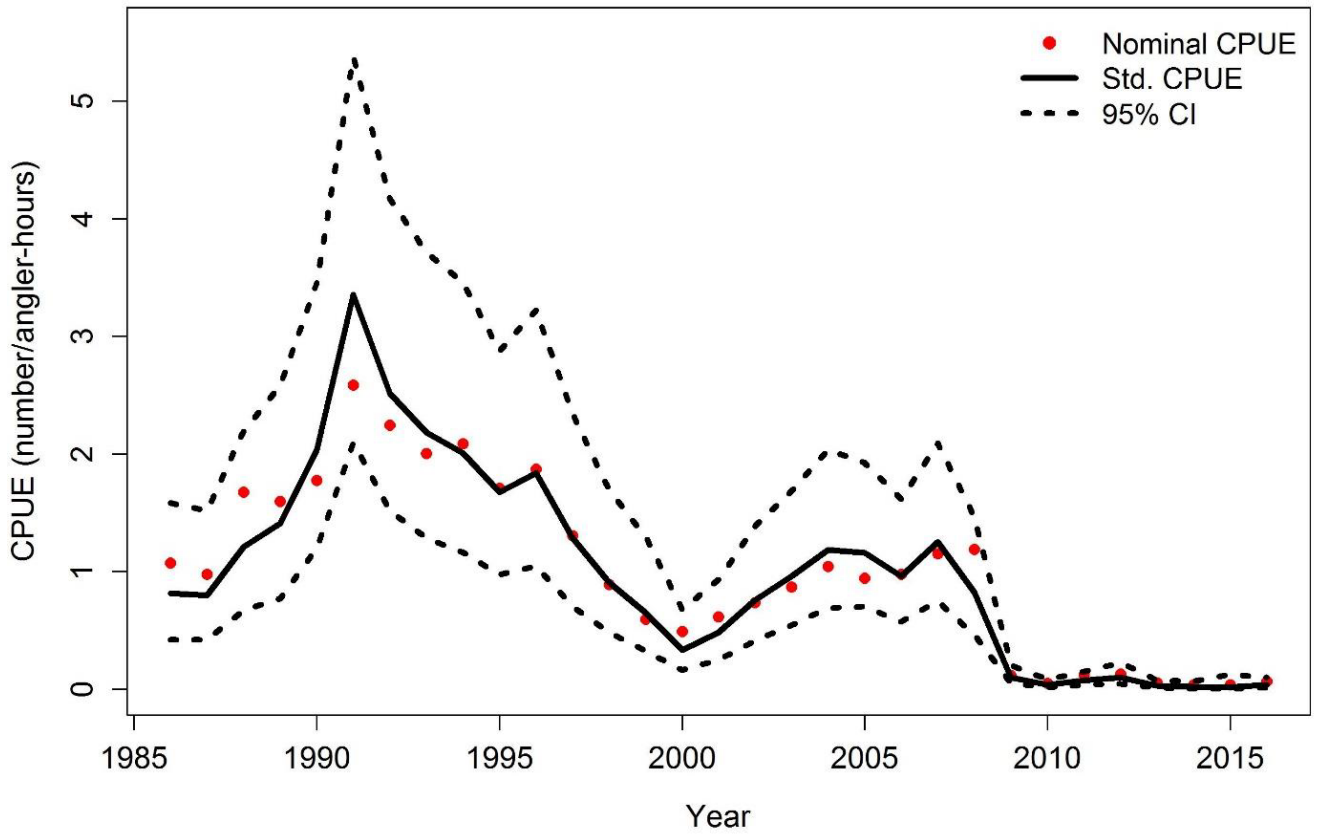
Headboat West - Standardized CPUE



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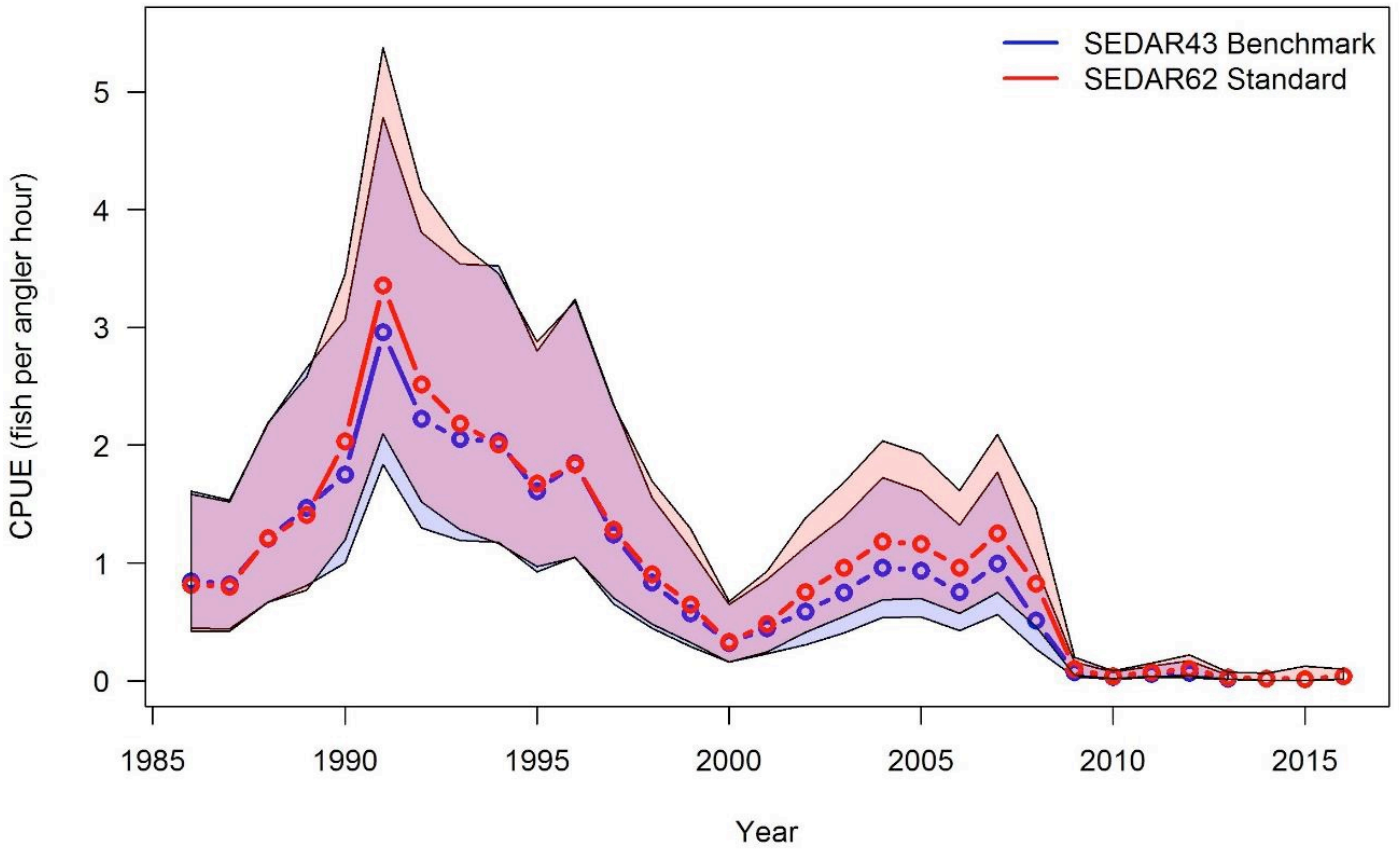
Headboat West - Standardized CPUE



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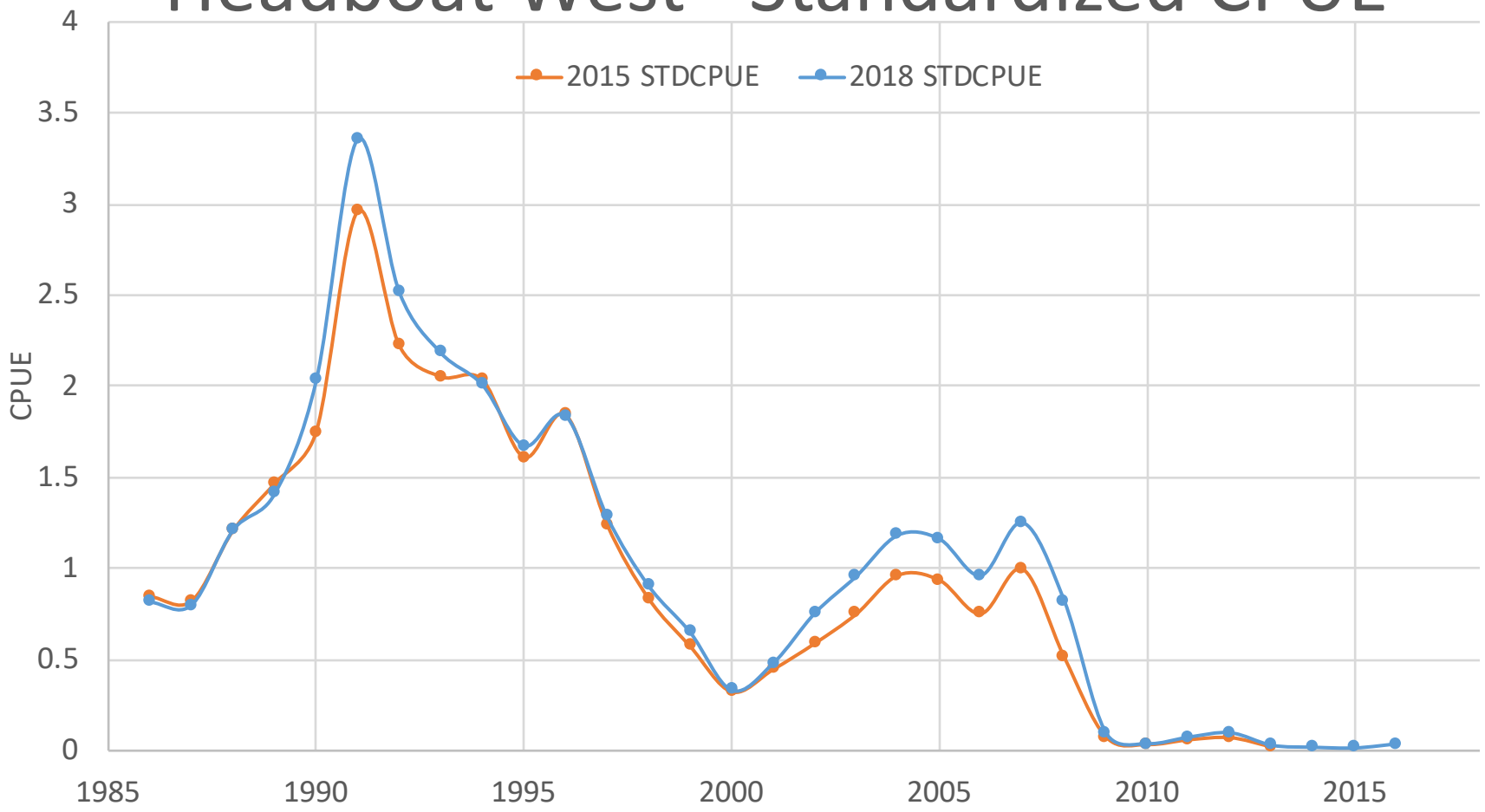
Headboat West - Standardized CPUE



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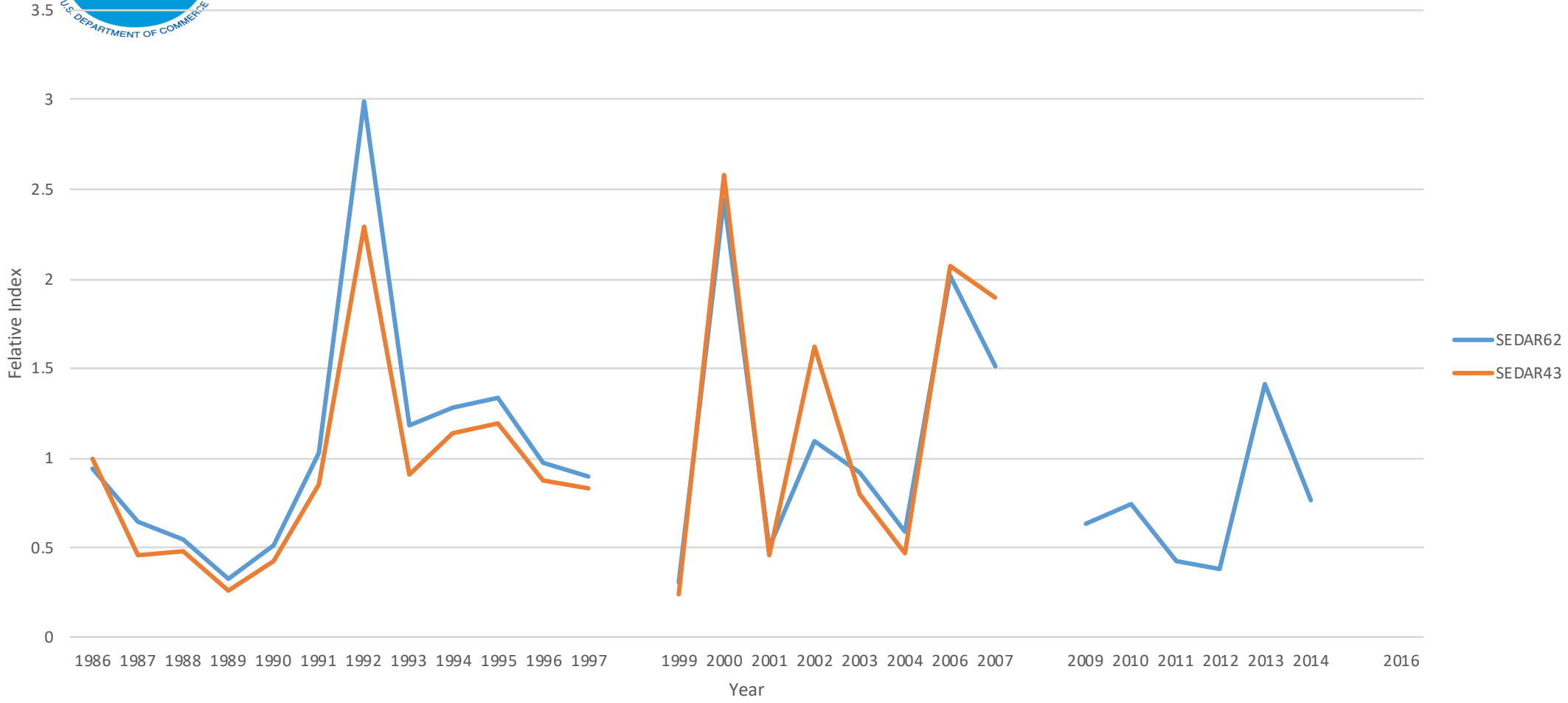
SEAMAP Larval Standardized CPUE



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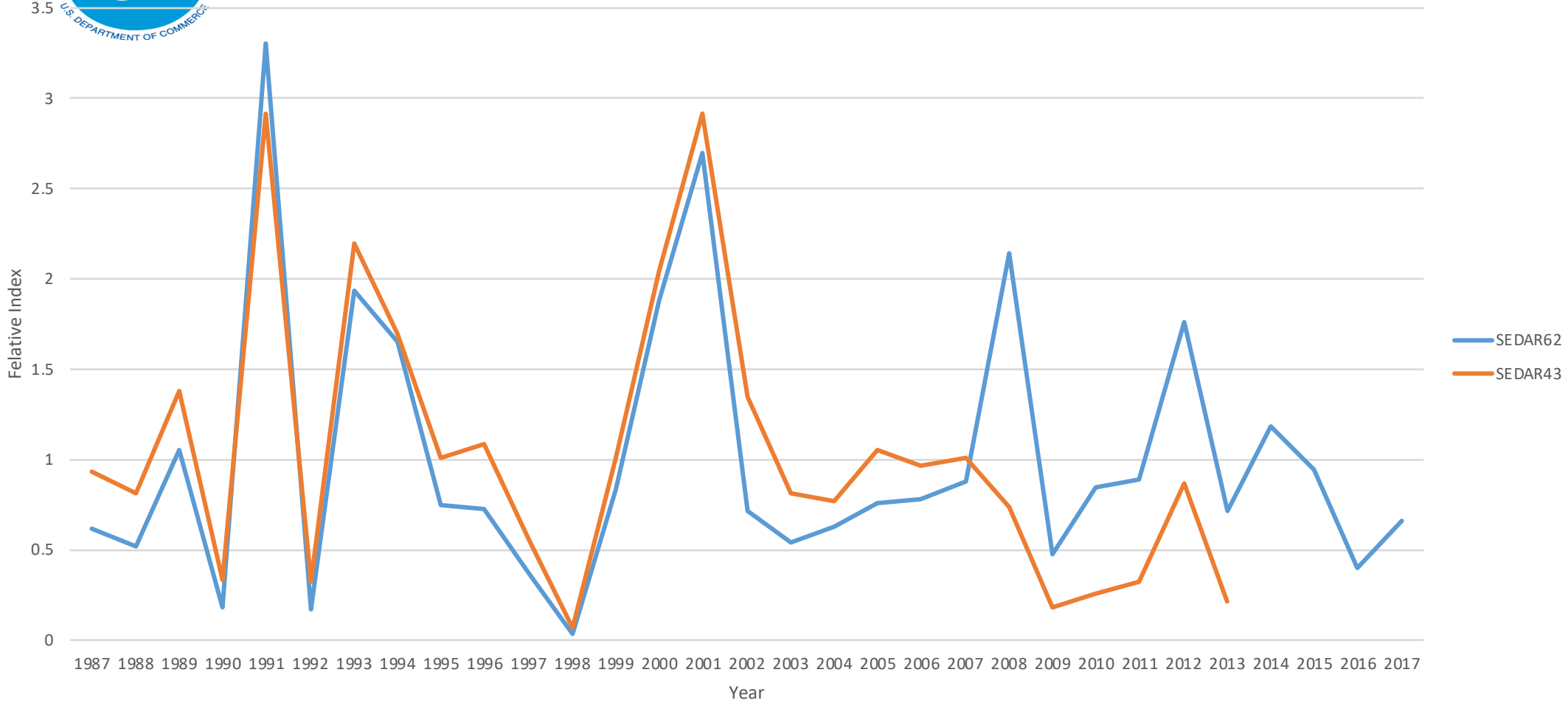
SEAMAP Fall Standardized CPUE



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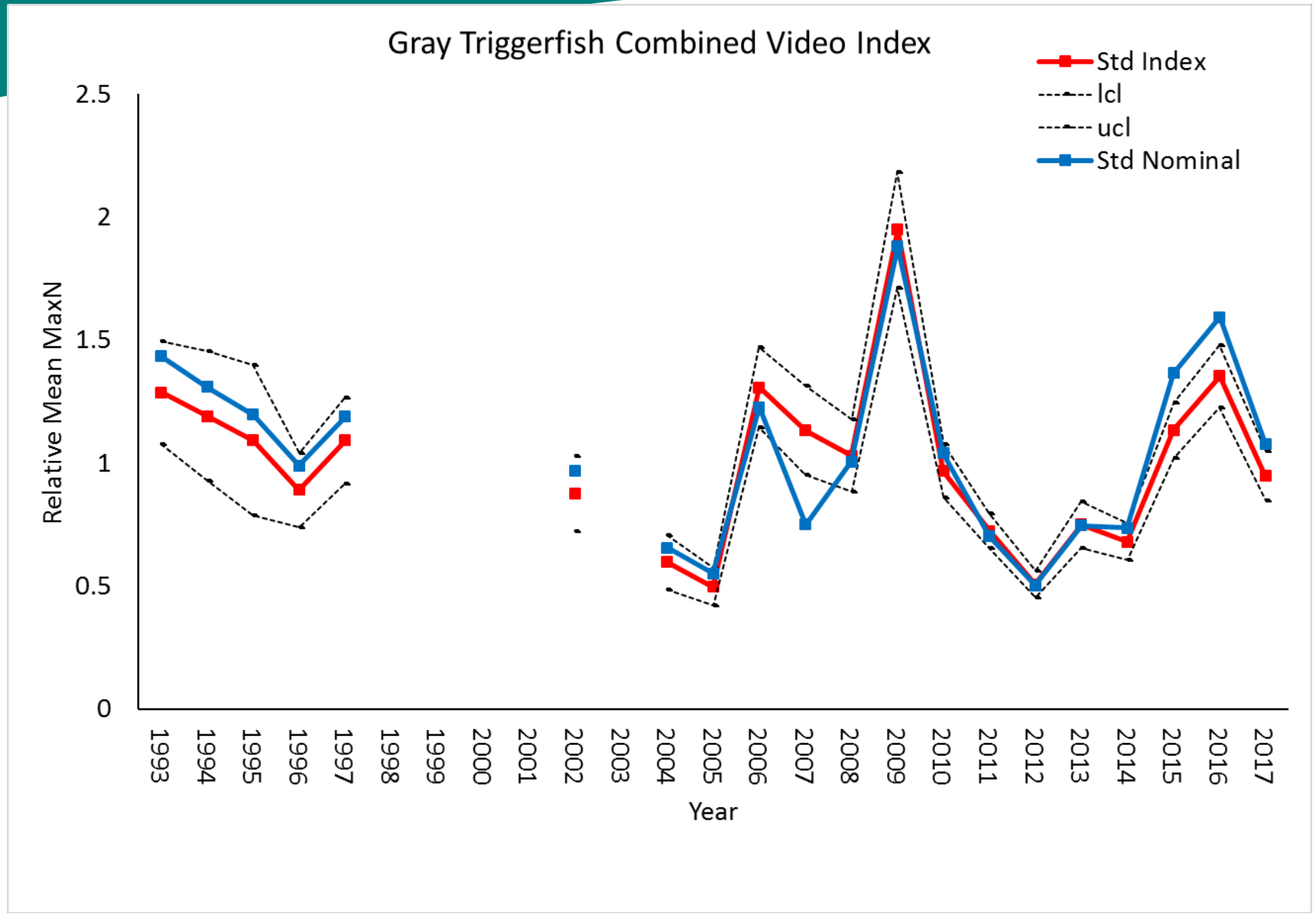

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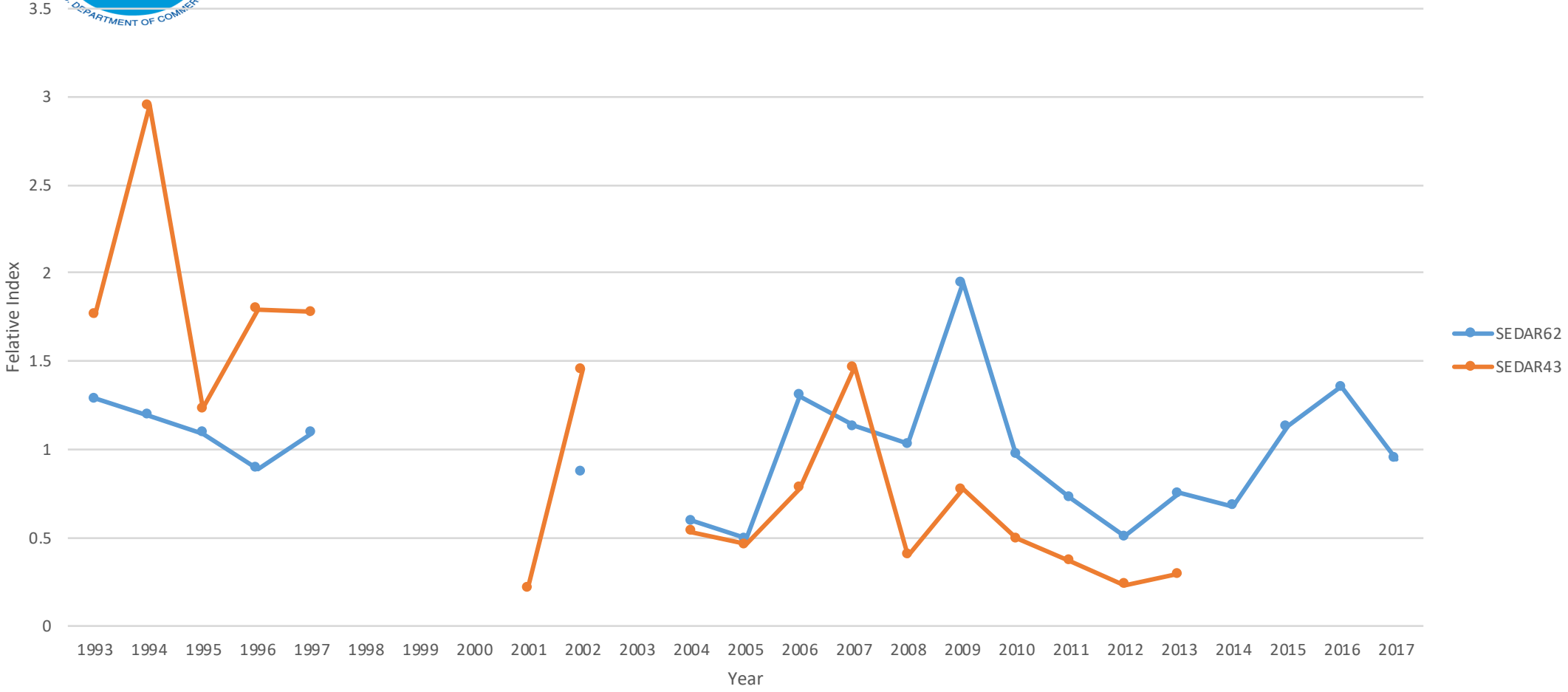
Combined Video Standardized CPUE



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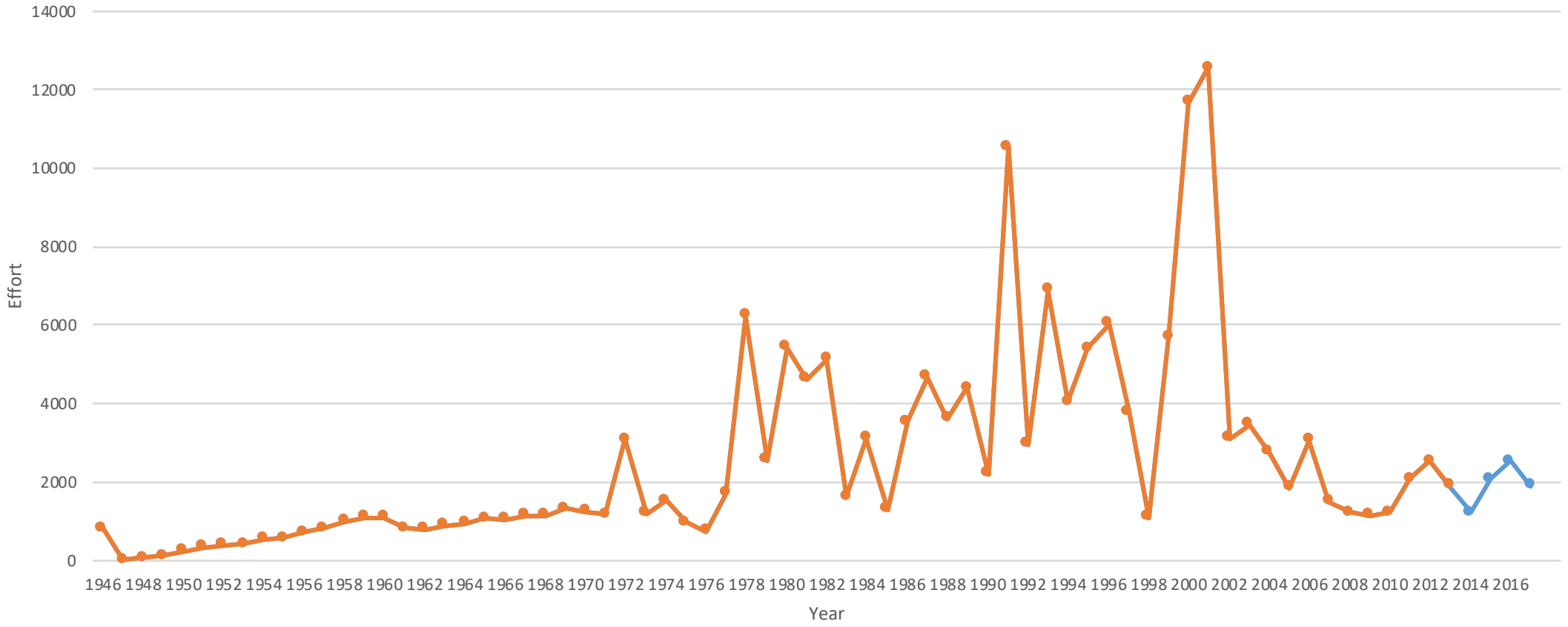
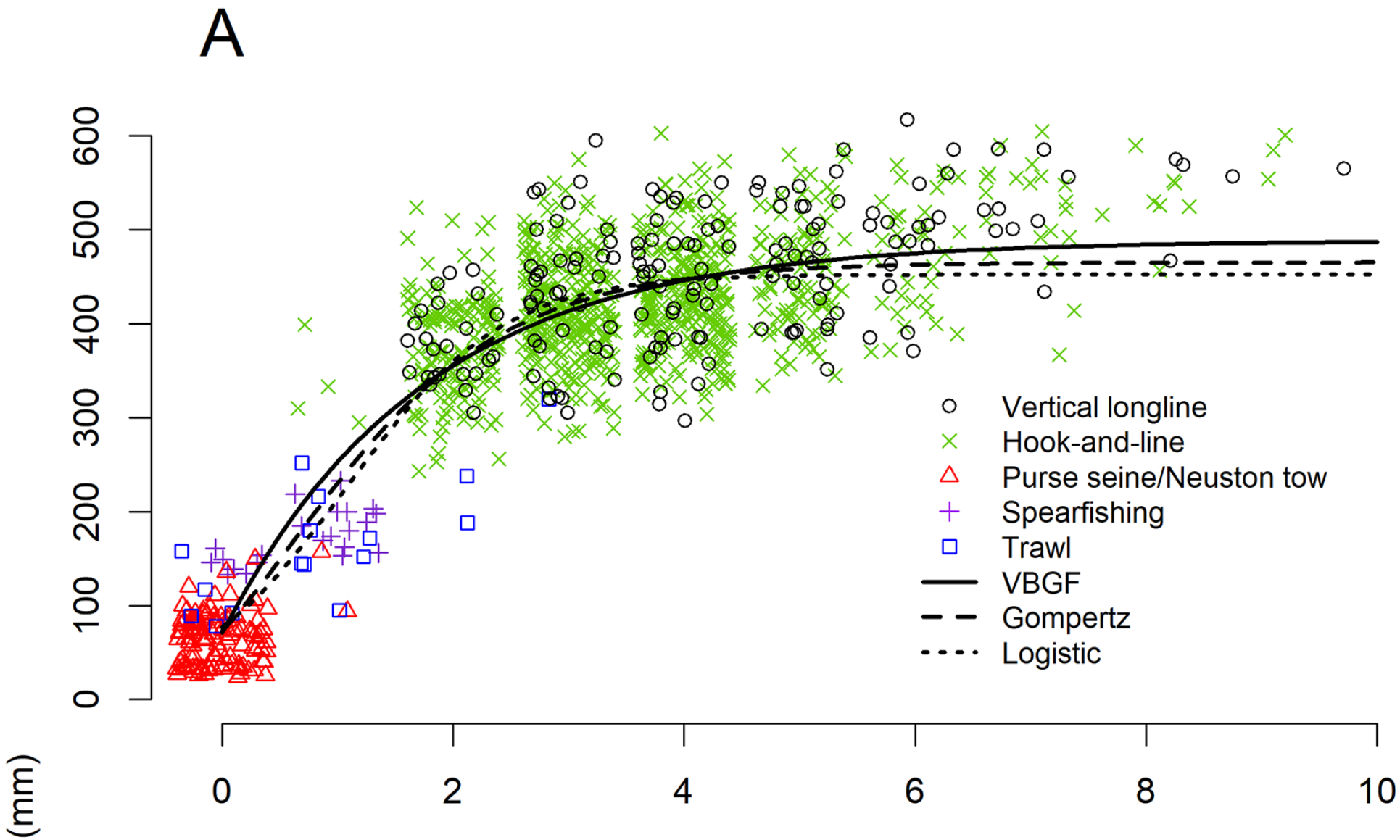
Shrimp Bycatch (Effort) SEDAR 43 vs. SEDAR 62




A
0
100
200
300
400
500
600
(mm)
0
2
4
6
8
10
Vertical longline
Hook-and-line
Purse seine/Neuston tow
Spearfishing
Trawl
VBGF
Gompertz
Logistic

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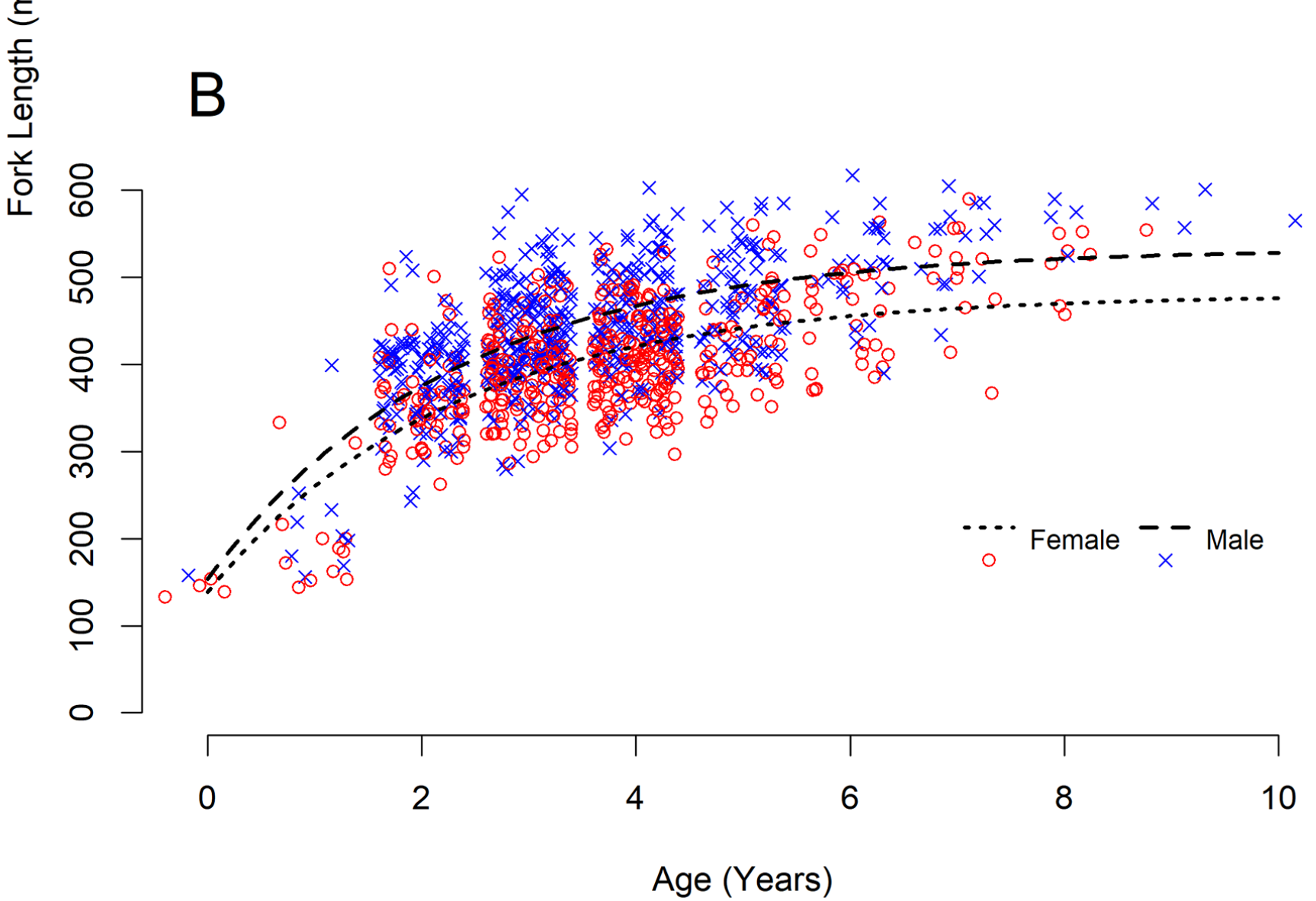

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Circle Hook Effect

SEDAR 43

2.34:1 based on Shipp et al. unpublished data.

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Experimental assessment of circle vs. J hook performance and selectivity in the northern Gulf of Mexico recreational reef fish fishery

Steven B. Garner, William F. Patterson III, and Clay E. Porch

Generalized linear models indicated that hook type did not significantly affect catches of all fishes ($p = 0.578$), red snapper ($p = 0.947$), grey triggerfish ($p = 0.375$), or other fishes ($p = 0.593$).

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The Effects of Hook Type on Gray Triggerfish Catch-Per-Unit Effort

Rachel Germeroth and Beverly Sauls

Table 6. Least square means.

Hook Type	Mean CPUE	Lower 95% CI	Upper 95% CI
C	1.345	1.301	1.391
J	1.444	1.381	1.510

(1.07:1)

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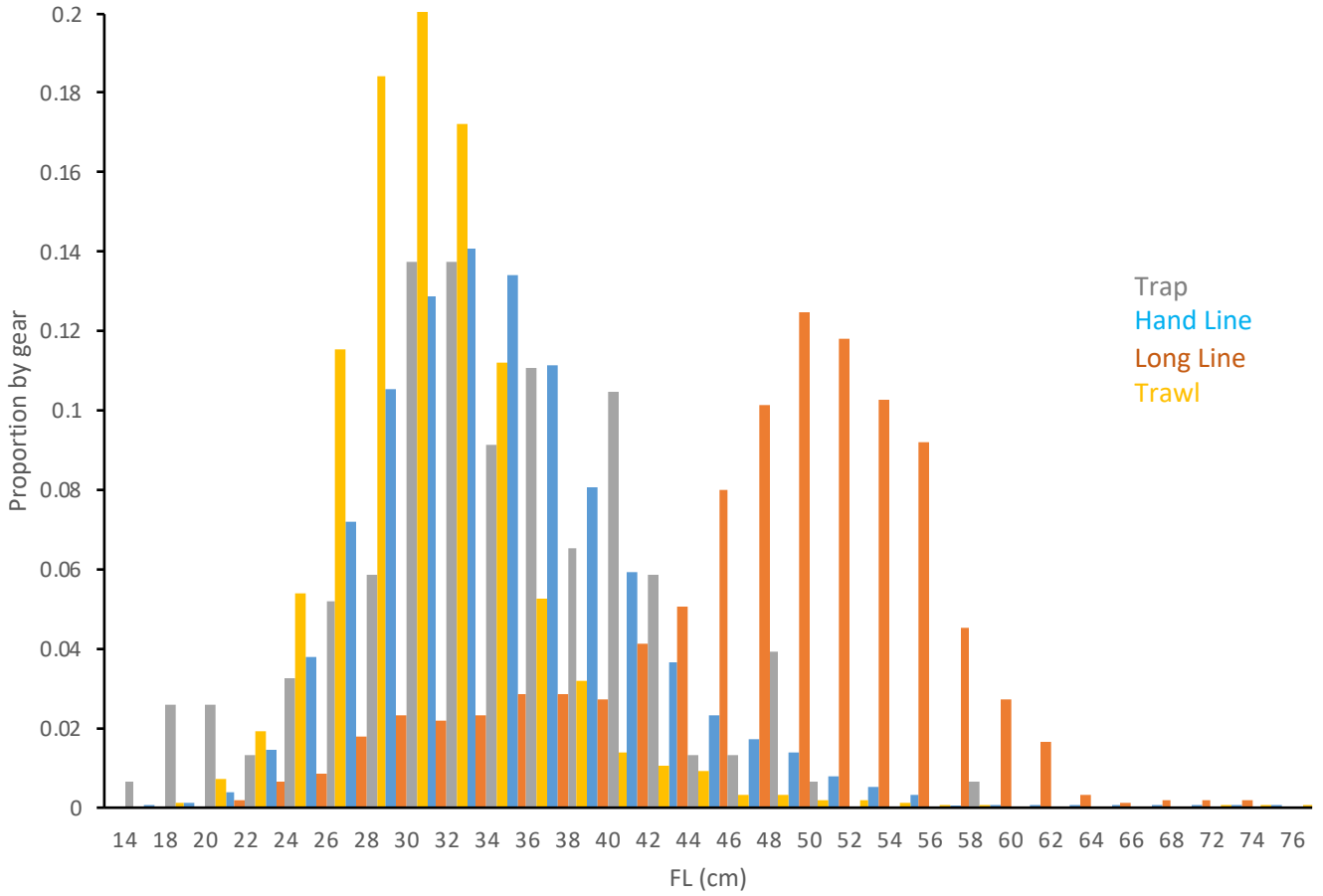
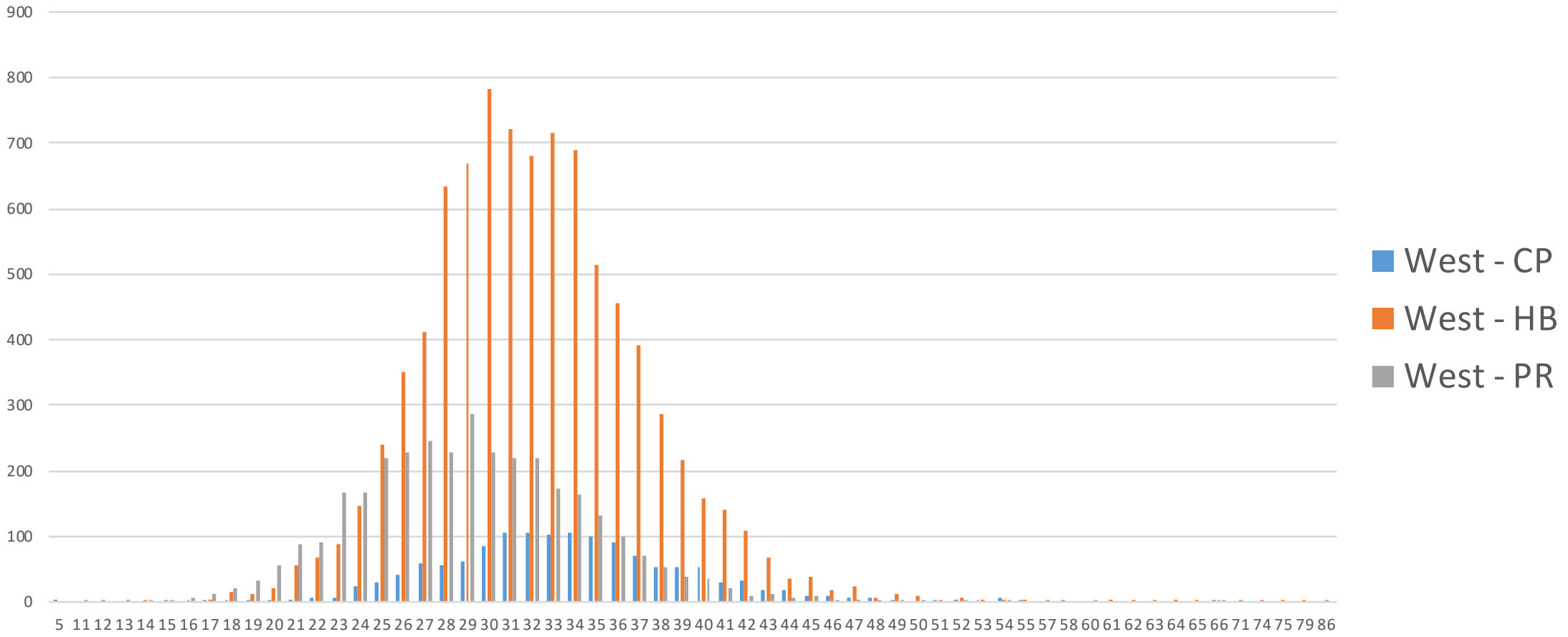
Length frequency distributions for commercial length samples by gear

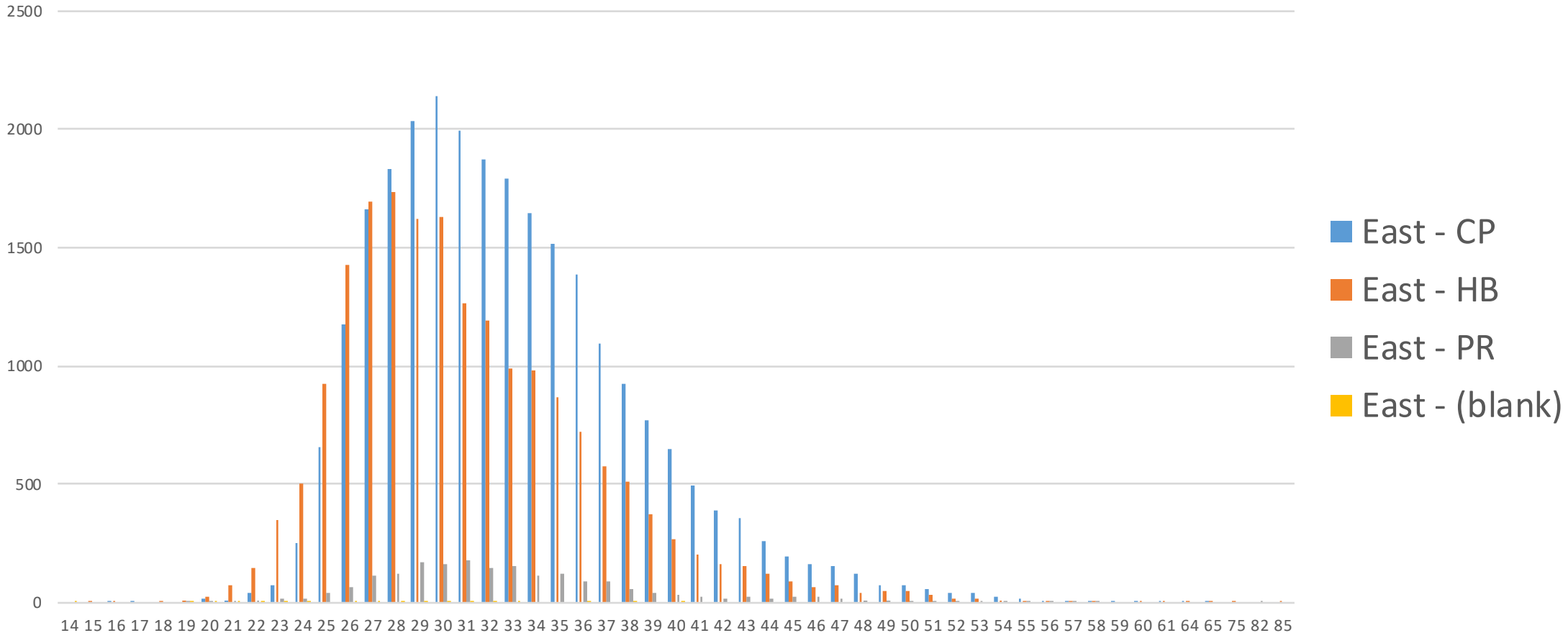


Count of Floor	Column Labels				
Row Labels	HL	LL	SP	TR	VLL
0.00		44	1	9	
120.00			3	2	
140.00			6	5	
160.00			4	5	
180.00			4	9	
200.00		4	4	22	
220.00		18	1	40	
240.00		47	1	1	73	
260.00		114	3	134	
280.00		164	4	9	195	2
300.00		280	5	7	202	3
320.00		411	13	5	98	8
340.00		801	10	7	94	11
360.00		983	17	10	54	12
380.00		895	17	7	33	19
400.00		843	24	8	16	11
420.00		690	38	9	11	13
440.00		526	65	7	5	19
460.00		377	81		3	17
480.00		288	106	2	1	14
500.00		213	123			16
520.00		112	77			13
540.00		69	54			11
560.00		35	32			7
580.00		15	13			5
600.00		4	4			1
620.00		1	5			
640.00			2			
660.00			1			
680.00			1			
Grand Total		**6934**	**694**	**97**	**1011**	**182**

Length frequency distributions for Recreational length samples by gear



Length frequency distributions for Recreational length samples by gear



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Sensitivity Analyses

- Discard Mortality (0, 5%, 10%)
- Circle hook effect (1:1, 2.34:1)