Assessment of Pacific cod in the Aleutian Islands

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Alaska Fisheries
Science Center

Team and SSC comments

Comments specific to this assessment

- Total of 17 comments considered by the Subcommittee
  - 4 from Subcommittee, 3 from full Team, and 10 from SSC
- In the end, however the Subcommittee did not recommend any models or non-model analyses, so that more time could be devoted to the EBS Pcod assessment

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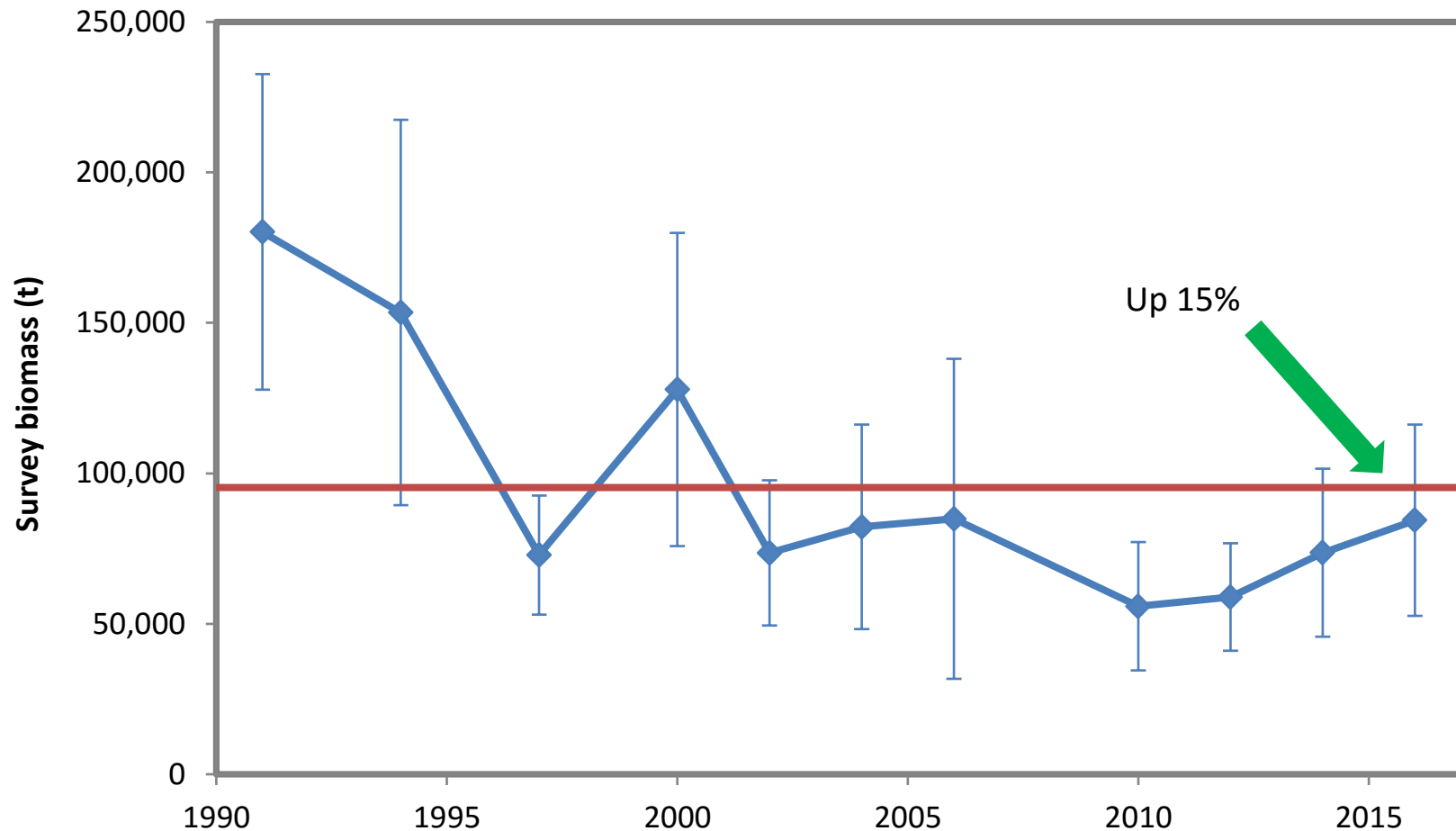
Data highlights

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Catch history (2017 data are incomplete)
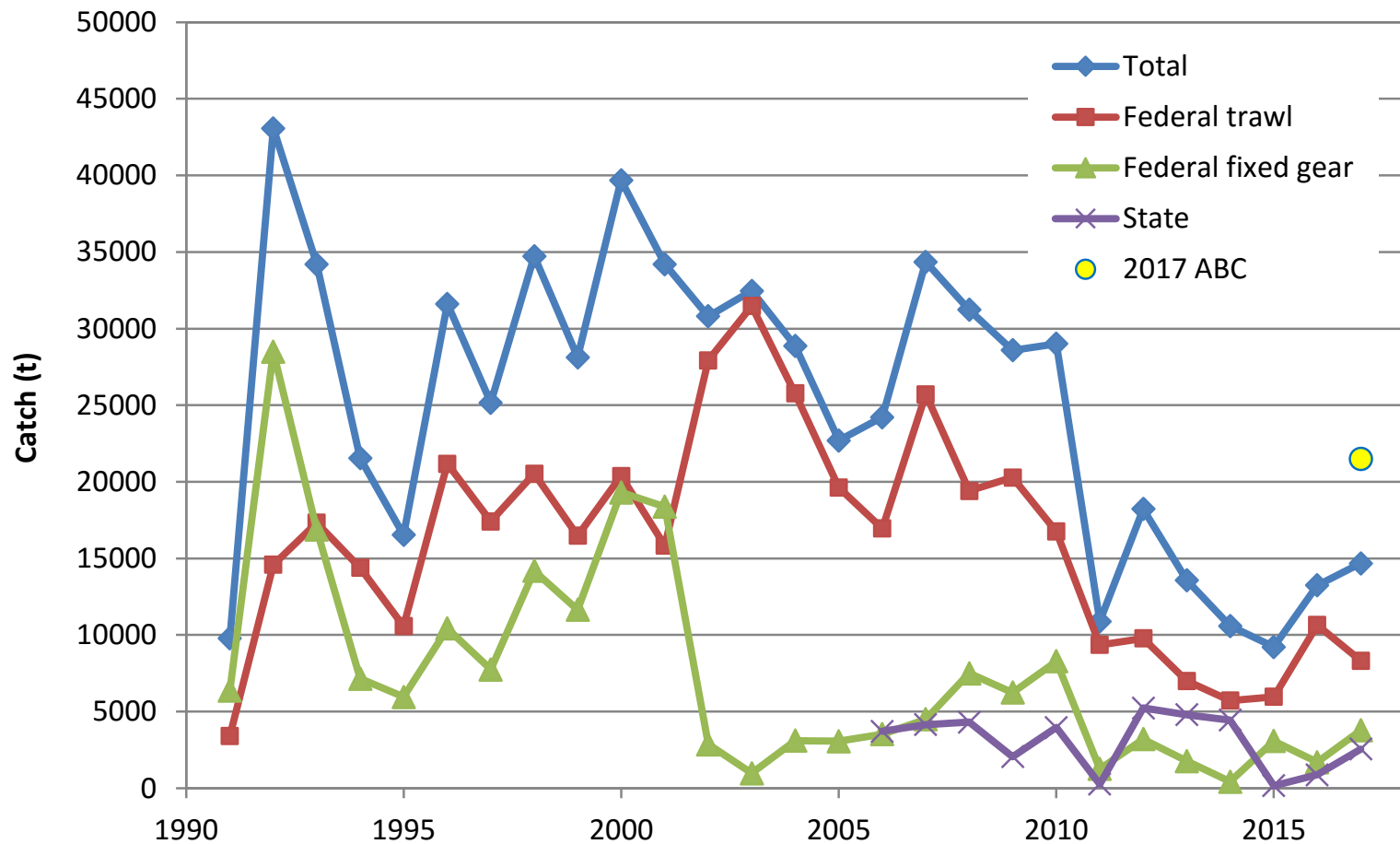
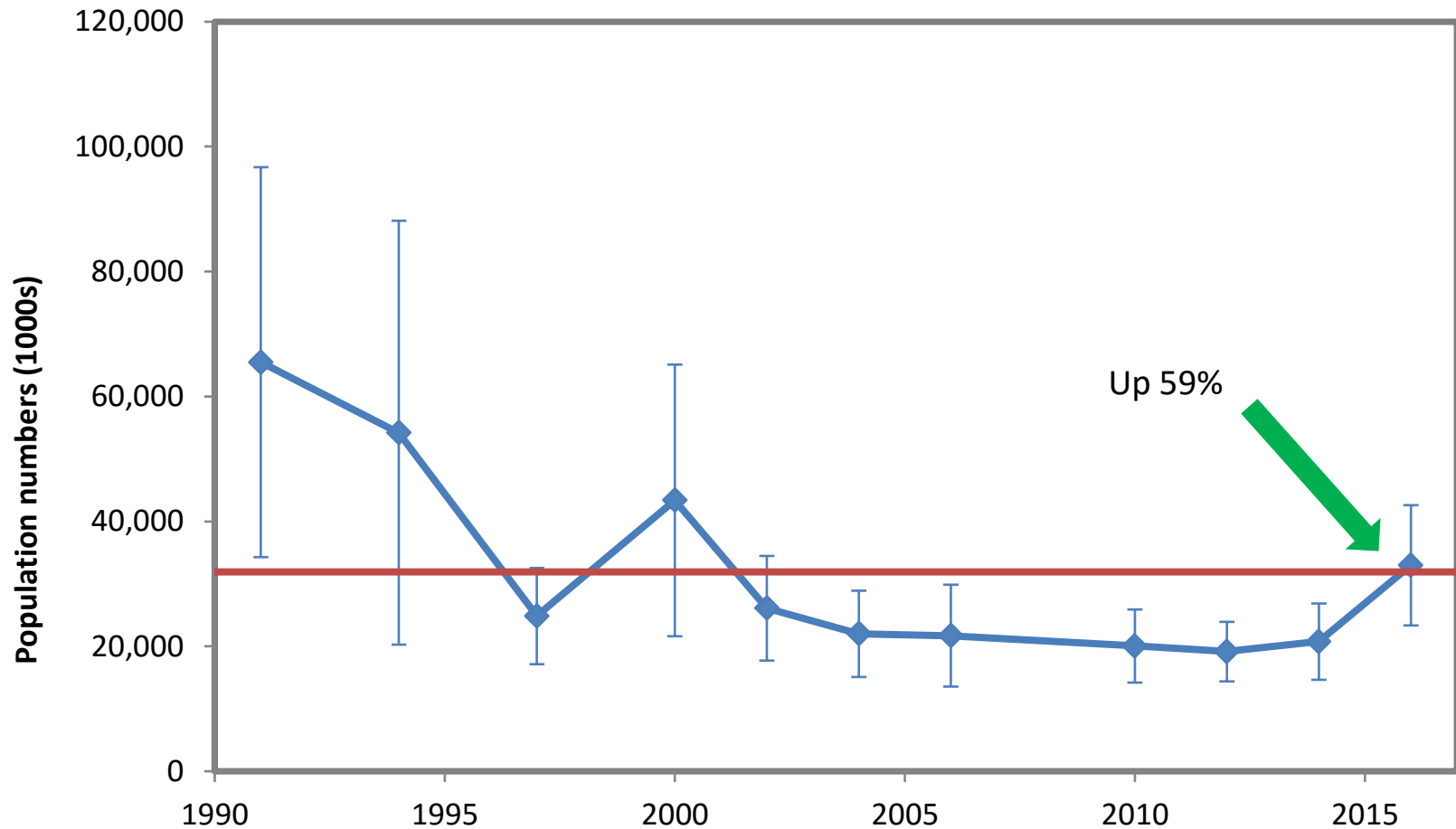# Fishery CPUE (2017 data are incomplete)
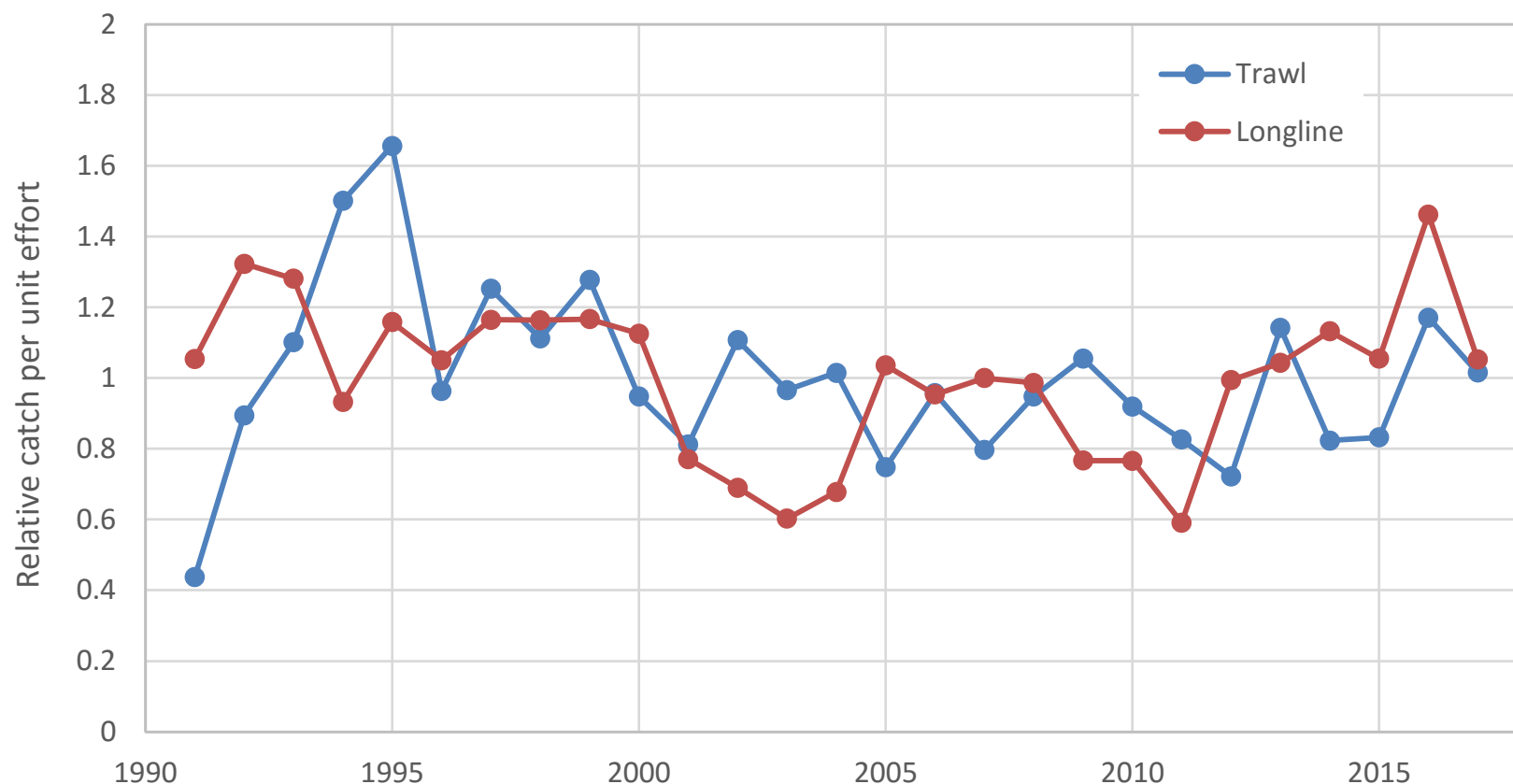
Survey biomass history (same as last year)

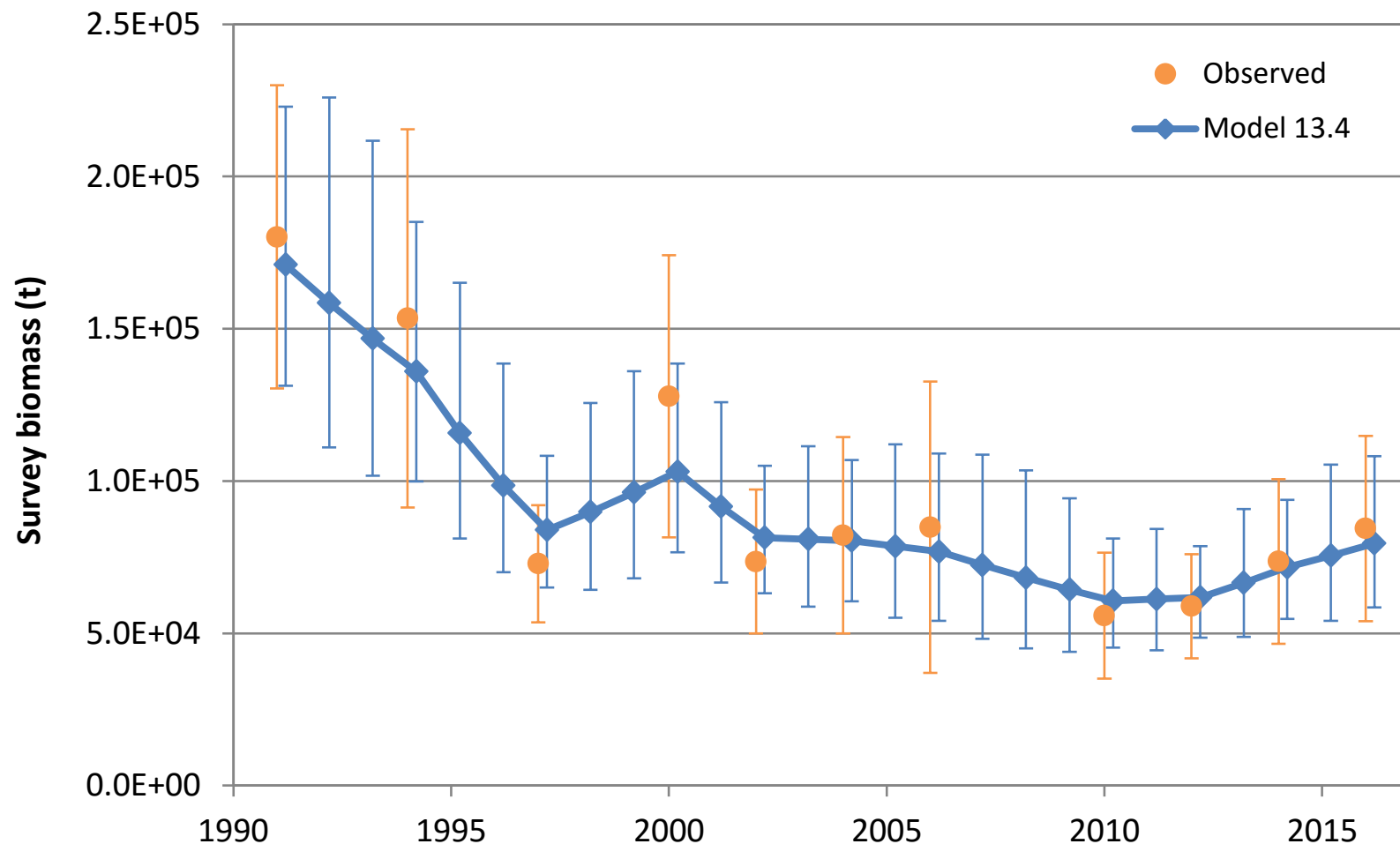# Survey numbers history (same as last year)

Up 59%

Results

Fit to survey biomass: figure

Fit to survey biomass: statistics

- Log-scale process error standard deviation: 0.17
  - With a CV of 0.37
- Root-mean-squared error: 0.103
  - Compare to average log-scale standard error (data): 0.182
- Mean normalized residual: 0.056
- Standard deviation of normalized residuals: 0.625
- Correlation (data:model): 0.975

Summary table

- Estimate of *M* updated based on EBS Model 17.2

Quantity	As estimated or *specified last* year for:		As estimated or *recommended this* year for:	
	2017	2018	2018	2019
M (natural mortality rate)	0.36	0.36	0.38	0.38
Tier	5	5	5	5
Biomass (t)	79,600	79,600	79,600	79,600
F_{OFL}	0.36	0.36	0.38	0.38
$maxF_{ABC}$	0.27	0.27	0.285	0.285
F_{ABC}	0.27	0.27	0.285	0.285
OFL (t)	28,700	28,700	30,200	30,200
maxABC (t)	21,500	21,500	22,700	22,700
ABC (t)	21,500	21,500	22,700	22,700
Status	As determined *last* year for:		As determined *this* year for:	
	2015	2016	2016	2017
Overfishing	No	n/a	No	n/a

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