

# Blueline Tilefish

- Little concern expressed over initial assessment results
  - Some overfishing, not overfished
  - $P^*$  projections not included, no  $P^*$  value at the time
  - MSY just over 200,000 pounds
- Concern over the assessment and resulting management arose following projections
  - beginning with Dec 2013 application of  $P^*$
  - 2015 Fmsy yield of 26,000 pounds
- Refinements (actual catch, Emergency Rule, recent age comp) failed to alleviate concerns
  - Yield remains low.

# Projection Progression

SCENARIO				Interim
Label	Last Obs Year	Change Yrs		Method
S32	2011	2013		mean F
Dec '13	2012	2015		2012 Land
Apr '14 Fmsy	2013	2014		Fmsy
Apr 14 ER	2013	2014		ER
Apr'14v2	2013	2014		ER, MRIP

# What changes in the Scenarios ?

- Noticeable changes in landings during 2012-2013 between the scenarios.
  - Data become available indicating that initial assumptions were not accurate.
- Council requested continual updates to use the most recent information
- Updates continued through the SSC meeting in April 2014

# Landings Streams

YEAR	S32 FMSY	2013 DEC FMSY	2014 APR FMSY	2014 APR P*.3 ER	2014 Post SSC MRIPrev
2010	484	484	484	484	484
2011	181	181	181	181	181
2012	181	485	485	485	485
2013	179	485	377	377	492
2014	193	485	83	224	224
2015	203	26	109	46	36
2016	209	48	134	66	55

**12to14**

**553**

**1454**

**944**

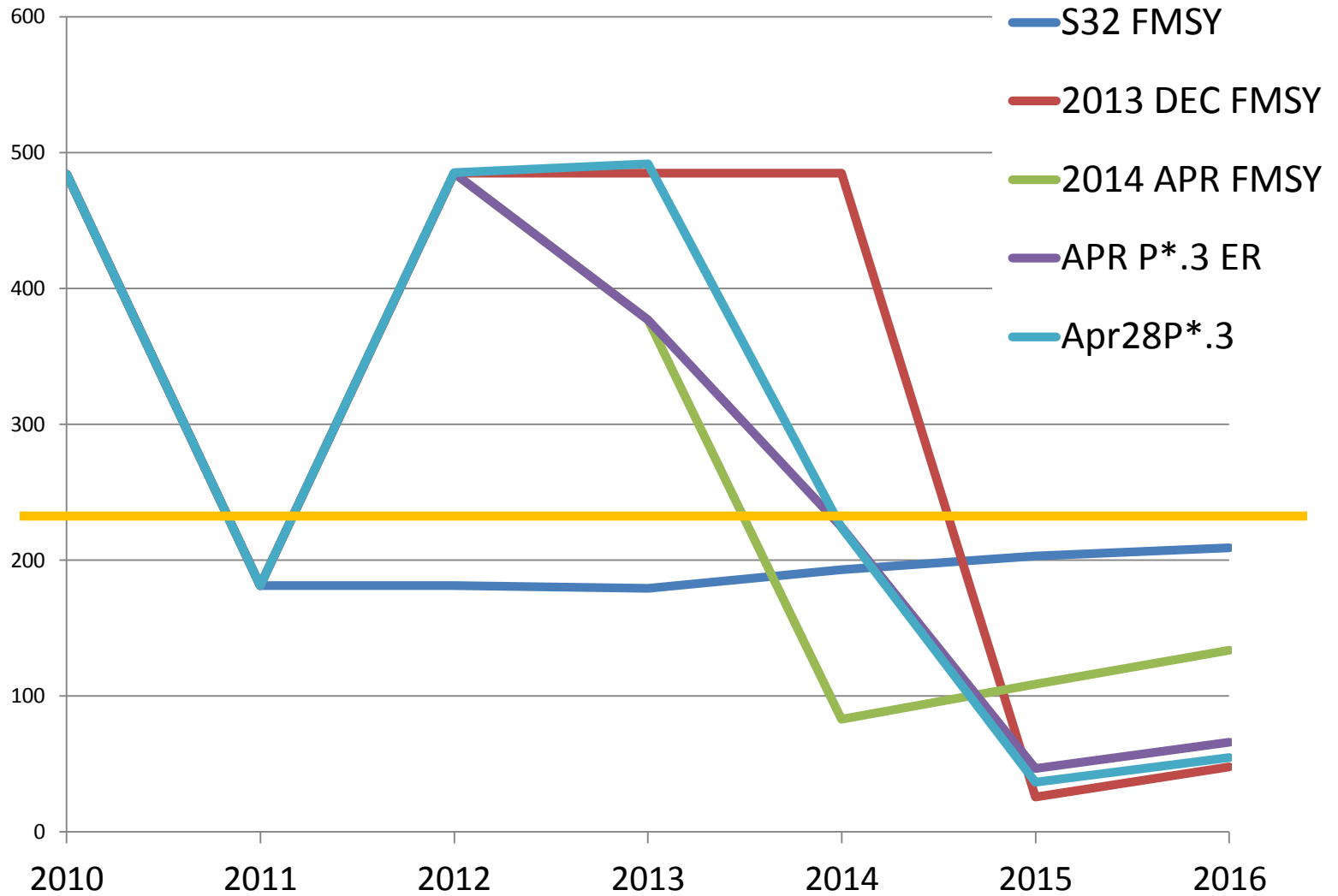
**1086**

**1201**

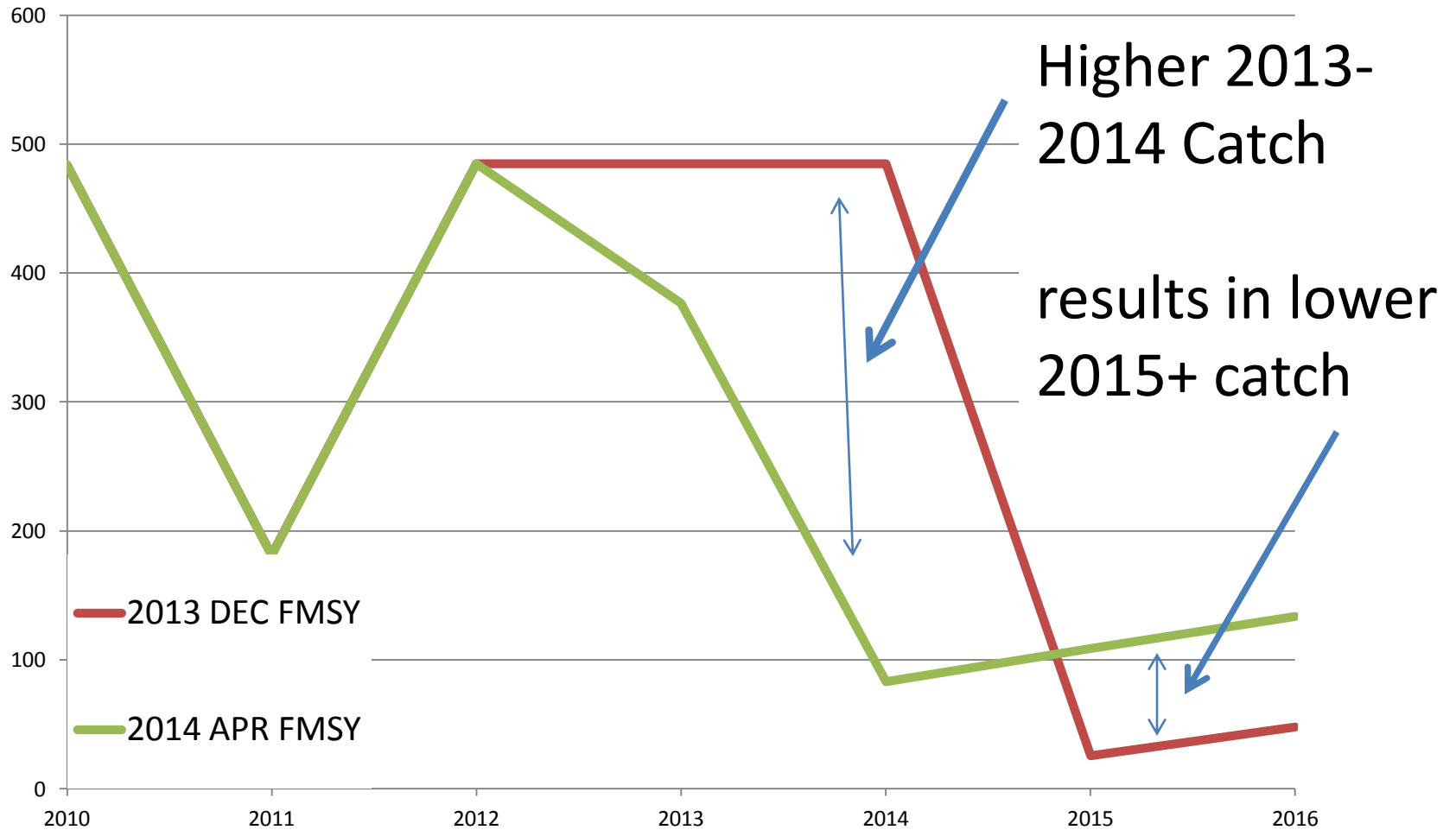
# Consequences of higher catch

- Projections vary in the terminal year of observed catch
  - 2011 for the original assessment
  - 2013 for the most recent scenarios
- Higher catch during interim and assumed years (2012-2013) results in lower catch in future years.
- Future yield shows direct response to changing information on 2012-2013 catch

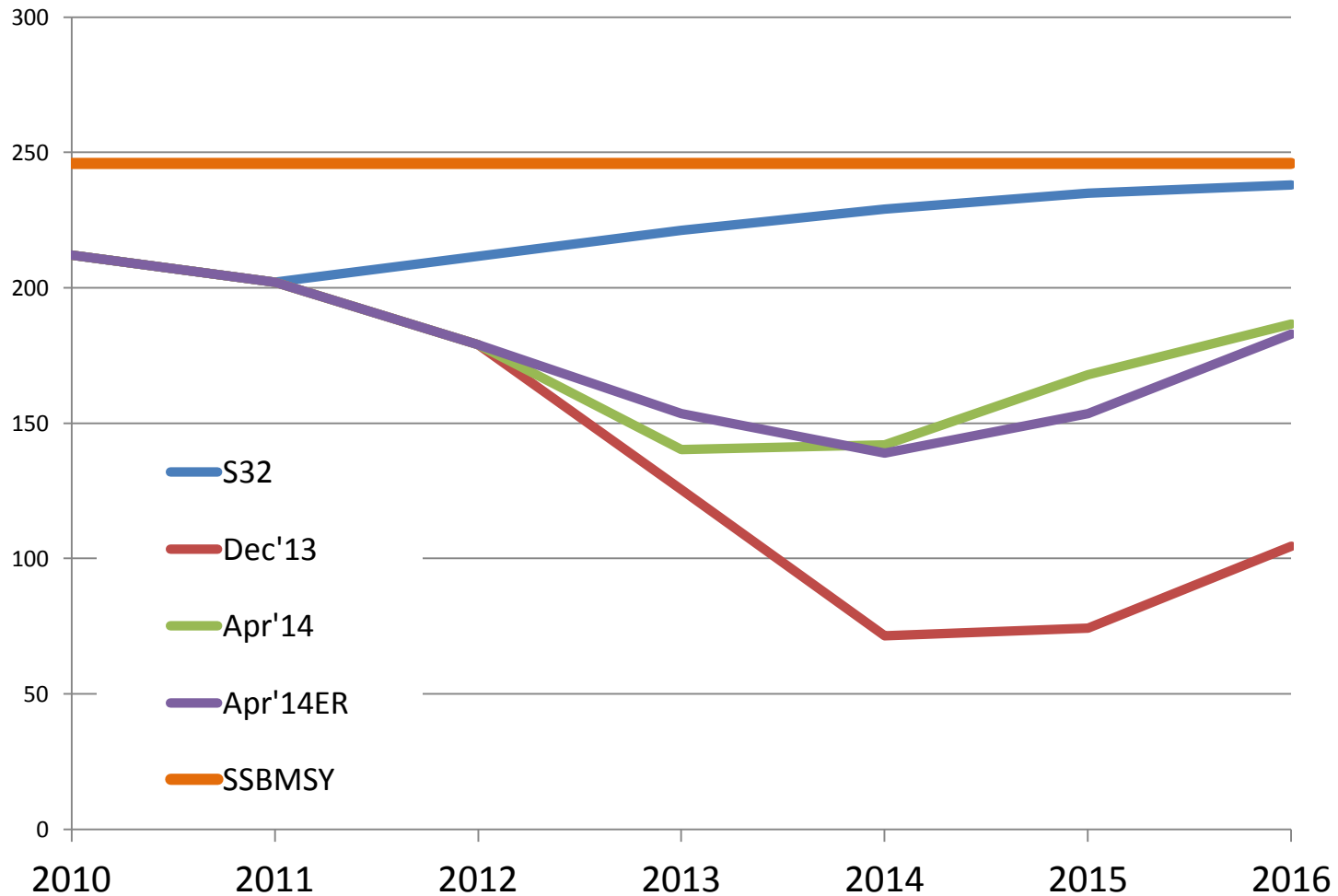
# Projections Compared



# Cost of Higher Catch Now



# SSB Trajectory





# Recruitment Consideration

- December 2013 request included investigating potential for strong recent year class
- Results reported to SSC, April 2014
  - “Visual inspection of age compositions does not provide strong evidence for a recent strong year class”