

Summary of the SAFMC SSC's P* Scoring History

Mike Errigo (SAFMC staff) prepared summary tables and figures of the P* scores issued by the SSC since 2009 (see attached Excel file). Keeping in mind that it is likely that stocks with the most data and highest management priority were addressed first, several conclusions can still be drawn:

1. P* scores within dimensions generally became less conservative (i.e., tended to shift to lower-numbered tiers) over time. This trend may reflect an expanding information base with more years of surveys.
2. P* scores for stocks with multiple ABC reviews tended to improve over time:

Black Sea Bass:	35.0%	37.5%	40.0%
Gag:	30.0%	30.0%	
Golden Tilefish:	32.5%	35.0%	
Hogfish:	12.5%	27.5%	(split into 2 stocks for 2 nd scoring)
King Mackerel:	27.5%	32.5%	
Mutton Snapper:	32.5%	30.0%	
Spanish Mackerel:	25.0%	40.0%	
Vermillion Snapper:	27.5%	40.0%	
Yellowtail Snapper:	37.5%	40.0%	

3. P* scores are evenly split between the 20-30% and 30-40% ranges overall, but the majority are in the 30-40% range when only considering the most recent scores:

Scoring Range	All Scores	Only Most Recent Scores
<20%	2	1
20-30%	13	9
30-40%	14	14

4. The scoring spread among tiers within dimensions is most evenly split among the five tiers in Dimension III (Stock Status).
5. In Dimension I (Assessment Information), Tiers 1 and 2 account for 86% of scores (assessments have quantitative estimates of key parameters like MSY or, at least, reliable measures of exploitation or biomass).
6. After the development and use of MCB analyses in SEDAR stock assessments, scores in Dimensions I and II became limited to only two tiers each (Tiers 1 and 2 in Dimension I, and Tiers 2 and 3 in Dimension II).

7. Some scoring tiers within a dimension have never been used:

- Dimension I (Assessment Info): Tier 5 (scarce or unreliable catch data)
- Dimension II (Uncertainty): Tier 1 (complete characterization of uncertainty in the assessment)
- Dimension III (Stock Status): all tiers used
- Dimension IV (PSA Risk Analysis): Tier 1 (low risk)