Attachment III - Key to Biological Sampling Priority Matrix Criteria

Column scores are determined by group consensus unless otherwise stated. If a score is not provided (by Councils, ASMFC, states or NOAA Fisheries) the Panel will provide a default score.

1. Fishery Status

Overfished = A stock size that is below a prescribed biomass threshold.
Overfishing = Harvesting at a rate above a prescribed fishing mortality threshold.
Approaching an Overfished Condition = Based on trends in harvesting effort, fishery resource size, and other appropriate factors, it is estimated that the fishery will become overfished in two years.
Unknown = No recent assessment was conducted or insufficient info about this stock exists to make a determination.

For summaries of stock status please refer to
http://www.nmfs.noaa.gov/sfa/statusoffisheries/SOSmain.htm.

Where the status of the fishery is known, the matrix shall include the NOAA Fisheries category. In those cases where the status is not known or the species is not managed by NOAA Fisheries, use "U" for unknown. This criterion was retained for informational purposes.

2. Council Priority

0 = Not available
1 = Low
2 = Between low and moderate
3 = Moderate
4 = Between moderate and high
5 = High

The level of priority assigned by the NEFMC, MAFMC or SAFMC to the fishery determines this score. USE THE FULL RANGE OF VALUES.

3. ASMFC Priority

0 = Not available
1 = Low
2 = Between low and moderate
3 = Moderate
4 = Between moderate and high
5 = High

The level of priority assigned by the ASMFC to the fishery determines this score. USE THE FULL RANGE OF VALUES.

4. State Priority
0 = Not available
1 = Low
2 = Between low and moderate
3 = Moderate
4 = Between moderate and high
5 = High

The level of priority assigned by the Partner States to the fishery determines this score. The total score is the ***average*** of the scores assigned by all Partner states, rounded to the nearest tenth. USE THE FULL RANGE OF VALUES .

5. NOAA FISHERIES
0 = Not available
1 = Low
2 = Between low and moderate
3 = Moderate
4 = Between moderate and high
5 = High

The level of priority assigned by NOAA Fisheries to the fishery determines this score. The total score is the ***maximum*** of the scores assigned by NMFS NE, NMFS SE and NMFS HMS. USE THE FULL RANGE OF VALUES.

6. Fishery Managed (national, regional, or inter-jurisdictional fishery management plan?)
0 = No
1 = Yes

7. Significant change in landings within 12 months
1 = <25% change
3 = 25% - 75% change
5 = >75% change

Information on significant change in landings is retrieved from the ACCSP Data Warehouse. This column reflects the most recent complete year of landings to the previous. For example, at the January 2009 meeting, this column compared landings from 2006 and 2007. The 2008 landings were not complete at that time.

8. Significant change in management within the past 12 months
0 = None
1 = Minor
2 = Between Minor and Moderate
3 = Moderate
4 = Between Moderate and Significant
5 = Significant

This column should refer to the previous calendar year. For example, at the January 2009 meeting, this column reflected changes that occurred during the 2008 calendar year.

9. Adequacy of level of sampling
0 = Oversampled
1 = Adequate
2 = Almost Adequate
3 = Needs work
4 = Inadequate
5 = No sampling

This score is for adequacy of the current level of sampling ***species-wide***. The score is determined by consensus of the Biological Review Panel, not necessarily by stock assessment biologists.

10. Stock Resilience
1 = Resilient
2 = Between Moderately Resilient and Resilient
3 = Moderately Resilient
4 = Between Moderately Resilient and Vulnerable
5 = Vulnerable

When scoring "resilience" the Panel/ SAW/Technical Committees should consider fishery age/maturity, reproductive biology, fecundity, spawning aggregations, and degree of habitat dependence.

11. Number of Sampling Strata
1 = <20 strata
3 = 20 – 75 strata
5 = > 75 strata

This captures the complexity of the fishery in terms of the number of parameters sampled to gear to region. If a fishery is not well sampled, it needs to be "stratified" more and more cells need to be collected.

12. Seasonality of Fishery
1 = > 9 months
3 = 1-9 months
5 = < 1 month

Attachment V - Key to Biological Sampling Targets

1. Region – the region where sampling will occur

2. Species – The species to be sampled

3. Market Category –

   BT = Bait (Unclassified fish and shrimp)
   JB = Jumbo
   JU - Juvenile
   KN = King
   KT = Kittens
   XL = Extra Large
   LG = Large
   M1 = Medium
   MK = Market
   PN = Pins
   PW = Pee Wee (rats)
   SK = Scrod (Scrap/Small unnamed fish)
   SM = Small
   UN = Unknown
   WH = Whale

4. Grade –
   Round
   Gutted, Head On
   Wings

5. Gear – The gear type used to harvest the marine resource

   ALL = All gear types
   Cast Net = Cast Net
   CD = Clam Dredge
   Diving = Diving
   FL Trap = Floating Trap
   Gig = Gig
   Gill, Estuarine = Gill net in estuarine waters
   Gill, GN = Gill Net
   Haul Seine = Haul Seine Net
   H&L – Hook and Line
   Hook = Hook
   LL = Longline
   LP =Lobster Pot
   Ocean Sink Net = Sink net in marine waters

OT = Otter trawl
Pots = Pots
Pound Net = Pound Net
Raker = Raker
SD = Scallop Dredge
Sink Net = Sink Net
Traps = Traps
Trawl = Trawl
UNC = Unclassified

6. Fishery – Fishing sector to be sampled

   COMM = Commercial
   REC = Recreational

7. Target Specs – Shows who determined the targets

   P = Provisional, or Panel's best guess
   A = Determined by a stock assessment group

8. Stock Area = The statistical area in which the fish were caught

   For example:
   5 = Area 500 - 599
   52 = Area 520 – 529
   515 = Area 515

9. Columns H-K – Number of target fish to be sampled per quarter

   Quarter 1 = January – March
   Quarter 2 = April – June
   Quarter 3 = July – September
   Quarter 4 = October - December

10. Total – The total number of lengths to be sampled.

11. Maximum Individuals Per Trip – The maximum number of lengths to be sampled per trip

12. Additional Measures – Additional sampling measures to be taken

13. Maximum Ages Per Trip – The maximum number of ages to be sampled per trip

14. Ages Requested – The number of ages to be sampled

15. Ageing Structure – Indicates which ageing structure should be taken

Frozen = The entire fish is collected
Horn = Horn
Opercle = Opercle
Otolith = Otolith
Scales = Scales
Spines = Spines