Scallop Fishery YTF AMs

Strawman

September 30, 2010

Concepts

- Goal: prevent overfishing
- Principles:
  - If there is an overage of the ACL by a certain percent in year 1 then absent action there will be the same percentage overage in year 2
  - WRT discard estimates, scallop landings are a proxy for scallop effort and discards are proportional to landings

Outline of Process

- ACL applies to scallop fishing year (A16)
- In December, project forward scallop fishery catches of YTF for the current scallop fishing year (year 1)
- If projection suggests ACL will be exceeded, determine overage percentage
- Close seasonal area for time necessary to account for overage in year 2 using A15 guidance; consider adjustment when catch data final
- Adjust guidance as necessary in specs/FW

Pros/Cons

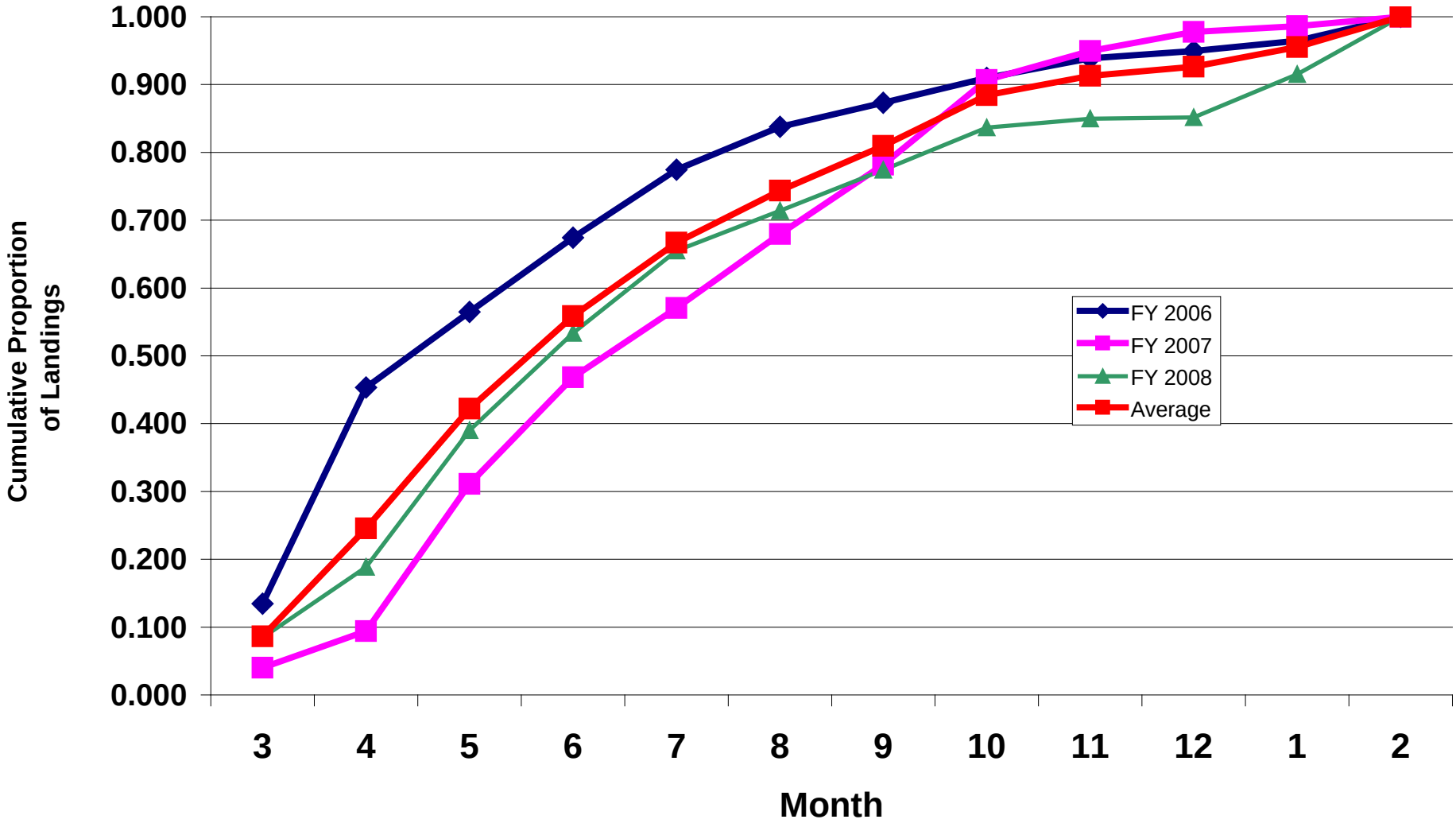
- **Pros:**
  - **Relatively simple*, formulaic**
  - **Adaptable**
- **Cons**
  - **Likely distributional impacts**
  - **Effort shifts (see “adaptable” above)**
  - **No PDT review**
- **Refine in FW 22?**

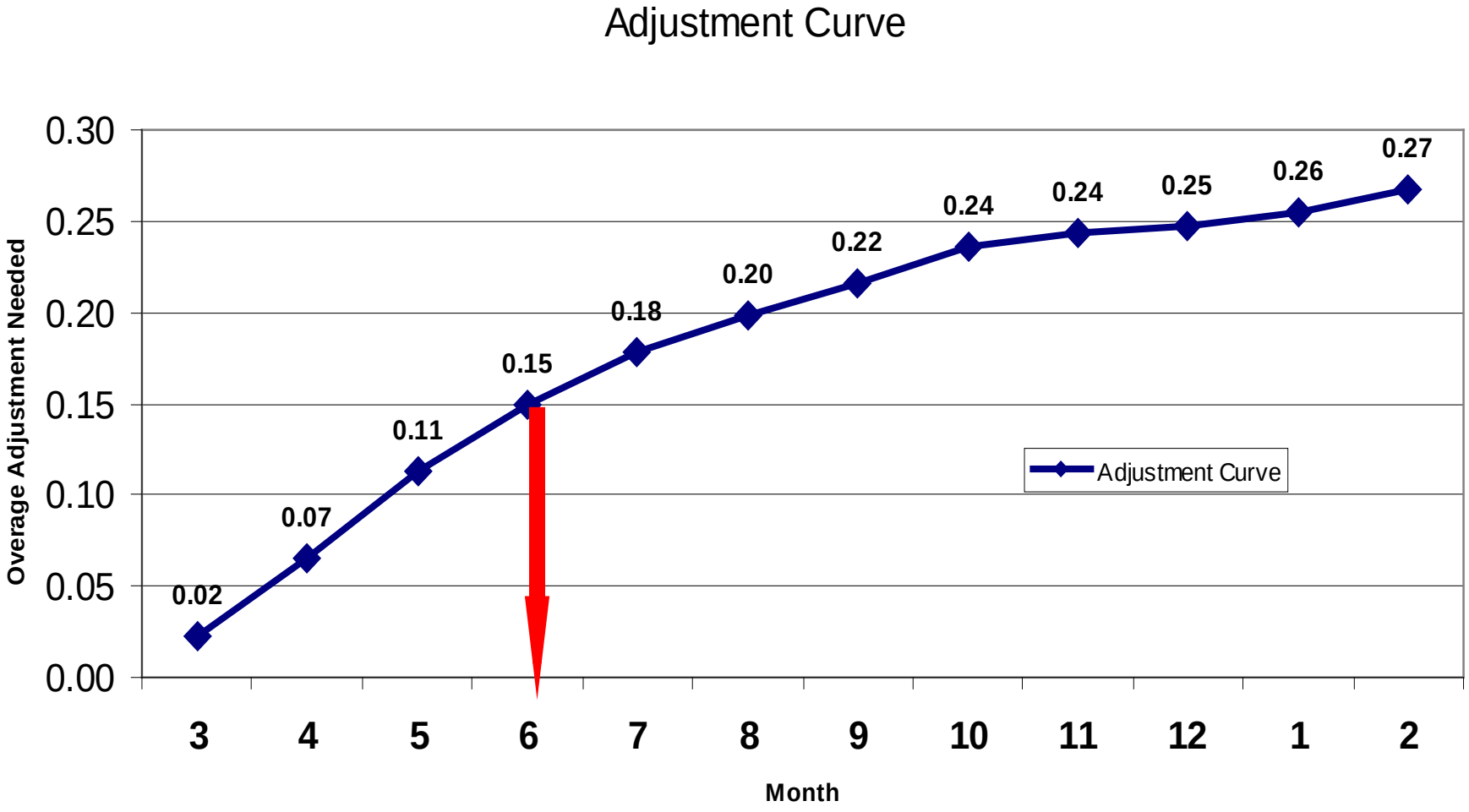
**Maybe; see GB YTF below*

Example: SNE/MA YTF

- Catch estimate suggests overage will be 15 percent of stock area ACL
- Proposed area accounted for 26.7 percent of YTF discards 2006-2008
- To reduce likelihood of similar overage, close area to account for 15/26.7=56.2 percent of discards from area
- Since discards:landings assumed, close area to account for 56.2 percent of landings

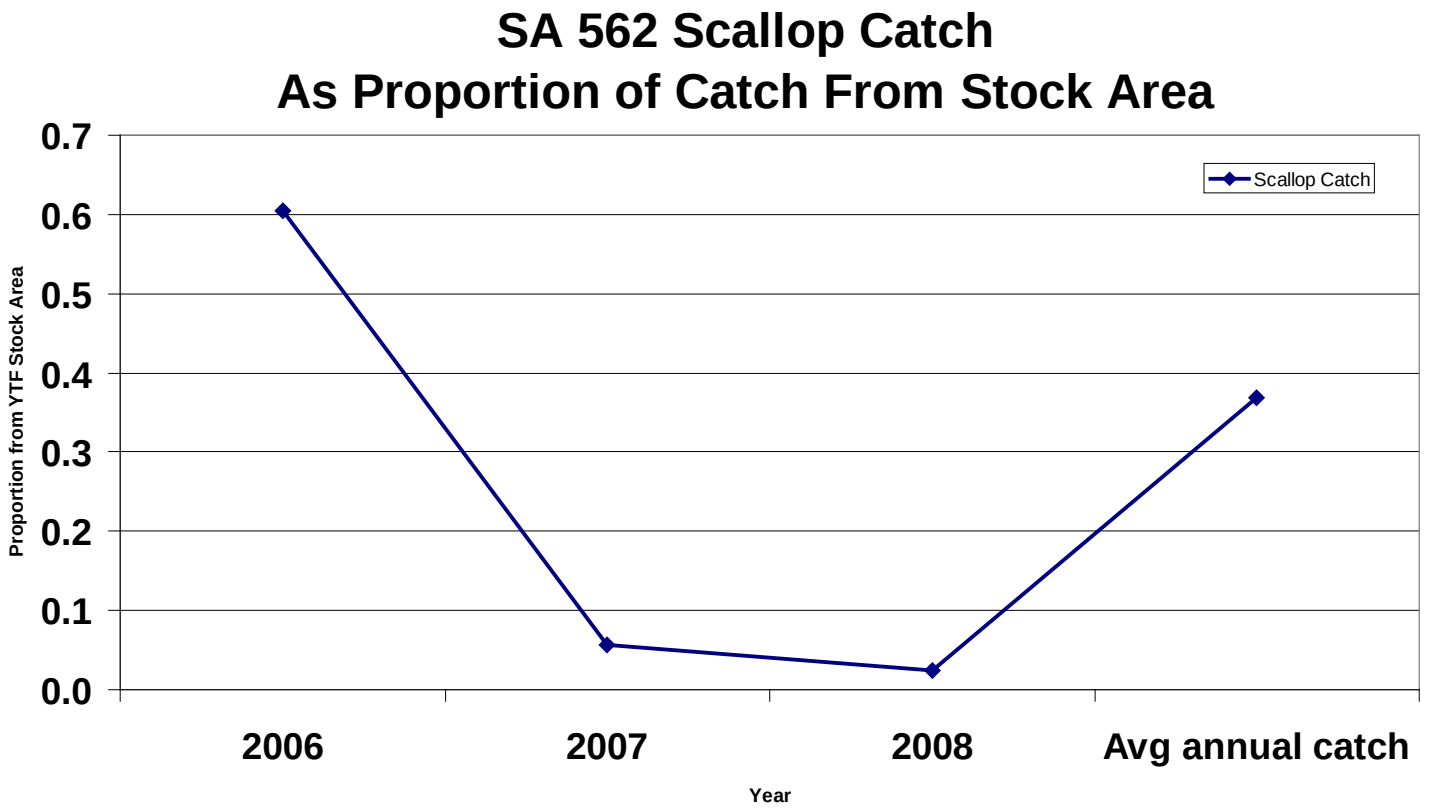
SA 537/539/613




Adjustment Curve
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Overage Adjustment Needed
0.02
0.07
0.11
0.15
0.18
0.20
0.22
0.24
0.24
0.25
0.26
0.27
Adjustment Curve
3
4
5
6
7
8
9
10
11
12
1
2
Month

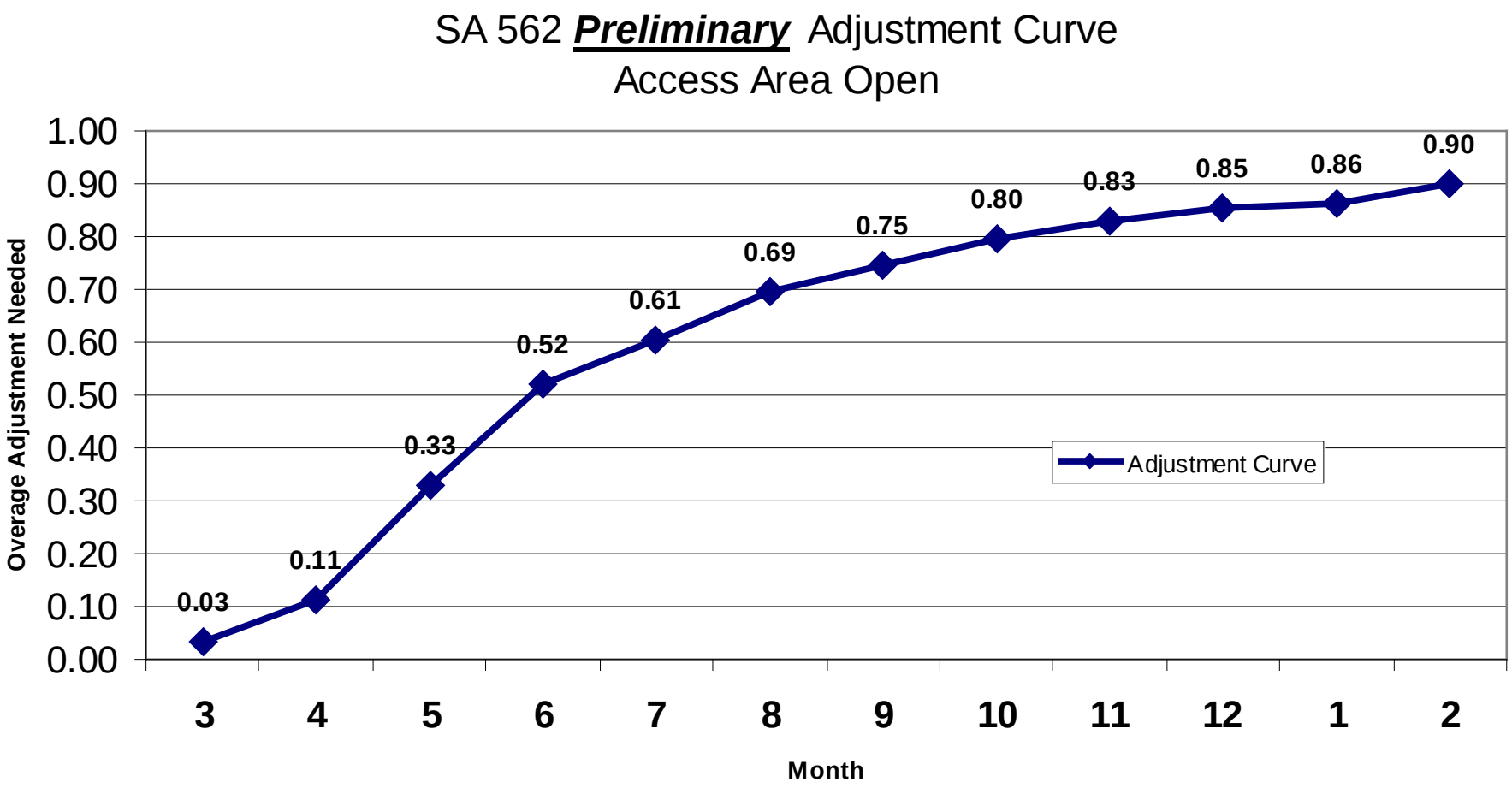
Example: GB YTF

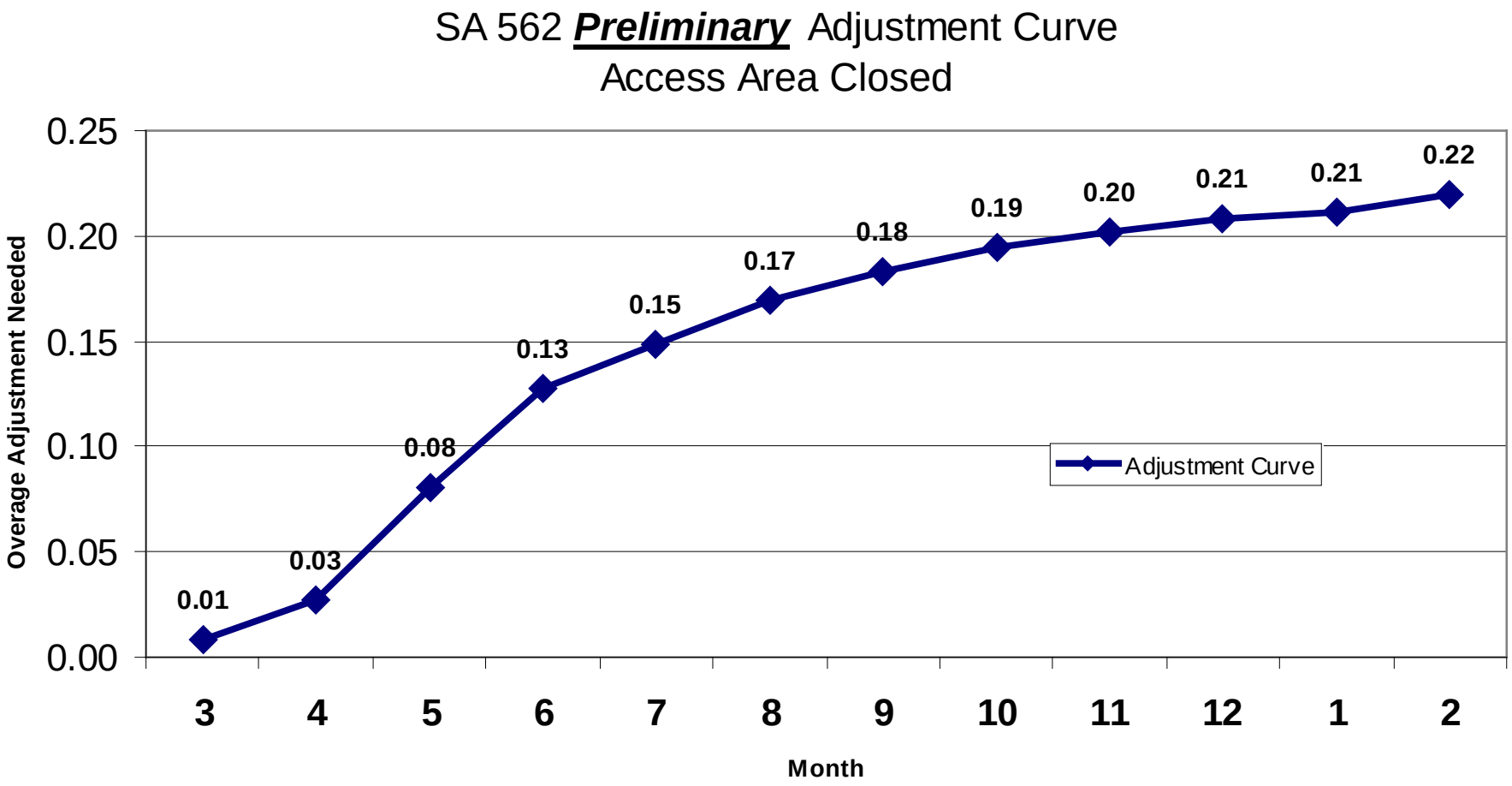
- Scallop catch from SA 562 varies with access area status



GB YTF

- May need two adjustments:
  - Years when CAII access area open
  - Years when CAII access area not open
- Closure likely needs to be longer in years when access area not open
- Further work needed – FW 22?


SA 562 Preliminary Adjustment Curve
Access Area Open
Overage Adjustment Needed
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.03
0.11
0.33
0.52
0.61
0.69
0.75
0.80
0.83
0.85
0.86
0.90
Adjustment Curve
3
4
5
6
7
8
9
10
11
12
1
2
Month


SA 562 Preliminary Adjustment Curve
Access Area Closed
Overage Adjustment Needed
0.25
0.20
0.15
0.10
0.05
0.00
0.01
0.03
0.08
0.13
0.15
0.17
0.18
0.19
0.20
0.21
0.21
0.22
Adjustment Curve
3
4
5
6
7
8
9
10
11
12
1
2
Month

Recommendation

- Approve process/concept for A15
- Develop adjustment tables in:
  - Proposed rule?
  - FW 22?