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| **Coverage on Limited access mackerel permits🡪**  **Data Need↓** | | **Alternative 1** | **Alternative 2.1** | **Alternative 2.2** | **Alternative 2.3** |
| Status quo  (SBRM coverage only) | \*100% NEFOP MWT and Tier 1 SMBT  \*50% NEFOP Tier 2  \*25% NEFOP Tier 3 | \*50% ASM Tier 1 SMBT  \*100% EM and Portside for MWT | 100% EM and Portside for MWT |
| Total mackerel catch accounting [ACL monitoring] | Verifying retained | * VTR Reports * Dealer Reports * VMS catch reports * NEFOP observer coverage verifies location of fishing activity | All LA permits: Additional information on location of fishing activity | All MWT: EM confirms retention; provides portside species comp data  50% Tier 1 SMBT: Verifies location of fishing activity | All MWT: EM confirms retention; provides portside species comp data |
| Quantifying discards | * VTR Reports * VMS catch reports * NEFOP observers | All LA Permits: Additional information about species comp and discard estimates | All MWT: EM confirms retention  50% Tier 1 SMBT: Species composition data | All MWT: EM confirms retention |
| Non-target catch accounting | River herring and shad catch cap monitoring | * VTRs used for total retained * VMS catch reports * NEFOP observers collect species comp data and estimate discards * Affidavits detail why slippage occurs | All LA Permits: Additional at-sea information on species comp and discard estimates | All MWT: EM confirms retention; provides portside species comp data  50% Tier 1 SMBT: Species composition data | All MWT: EM confirms retention; provides portside species comp data |
| Scientific information | Stock assessments for herring | * VTR reports * NEFOP observers collect age/length data | All LA Permits: Additional at-sea collection of age/length data | All MWT: Portside collection of age/length data  50% Tier 1 SMBT: Collect age/length data for discards only | All MWT: Portside collection of age/length data |
| Stock assessments for  non-target species | * VTR reports * NEFOP observers collect age/length data | All LA Permits: Additional at-sea collection of age/length data | All MWT: Portside collection of age/length data  50% Tier 1 SMBT: Collect age/length data for discards only | All MWT: Portside collection of age/length data |

Ranking of coverage alternative relative to data need AS AN ADDITION TO status quo:

Good: Better: Best: