

PSPAP 2.0 Objectives hierarchy

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Objectives hierarchy and attributes

- Quantify PS recruitment to age-1
 - Power to detect age-1 recruits if recruitment occurs
 - Segment level age-1 abundance
 - * bias
 - * precision
 - Estimate age-1 recruitment rate
 - * bias
 - * precision
- Quantify PS population trend
 - Estimate RPMA level population growth rate λ
 - * bias
 - * precision
- Provide relevant PS model inputs
 - Estimate segment-level abundance, origin-specific
 - * bias
 - * precision
 - * spatial distribution
 - Survival (RPMA level)
 - * bias
 - * precision
 - Fecundity (RPMA level)
 - * bias
 - * precision
 - Growth (RPMA)
 - * bias
 - * precision
 - Movement
 - * fidelity
 - * among segment movement
 - Population strcture and characteristics
 - Sex ratio (segment level)
 - * bias
 - * precision
- Maintain compatibility with legacy PSPAP data
 - Proportion of randomly selected bends within segment
 - Gears similarity: proportion of standard gears used by design
 - Effort similarity: deviation from average effort
- Stay below cost constraints
 - Minimize costs