

In an ideal world (if α and β were known),
reference points would be derived from curve

RC 051

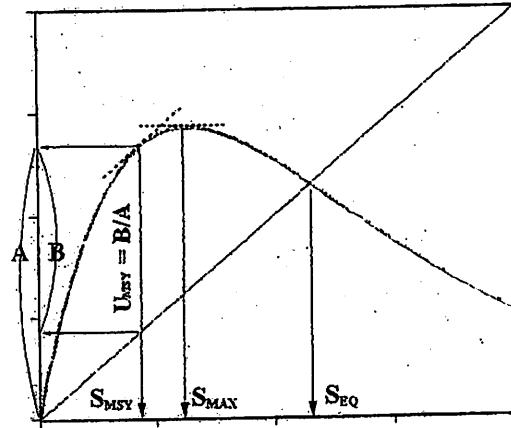
$$S_{EQ} = \frac{\ln \alpha'}{\beta}$$

$$S_{MAX} = \frac{1}{\beta}$$

$$S_{MSY} \cong S_{EQ} (0.5 - 0.07 \ln \alpha')$$

$$U_{MSY} \cong \ln \alpha' (0.5 - 0.07 \ln \alpha')$$

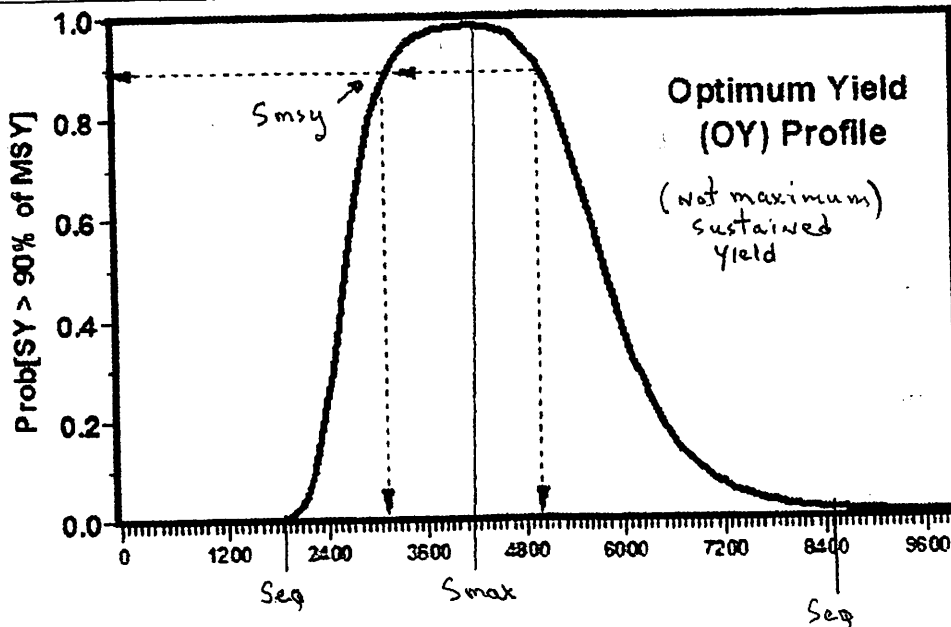
$$\text{where } \ln \alpha' = \ln \alpha + \frac{\sigma^2}{2}$$



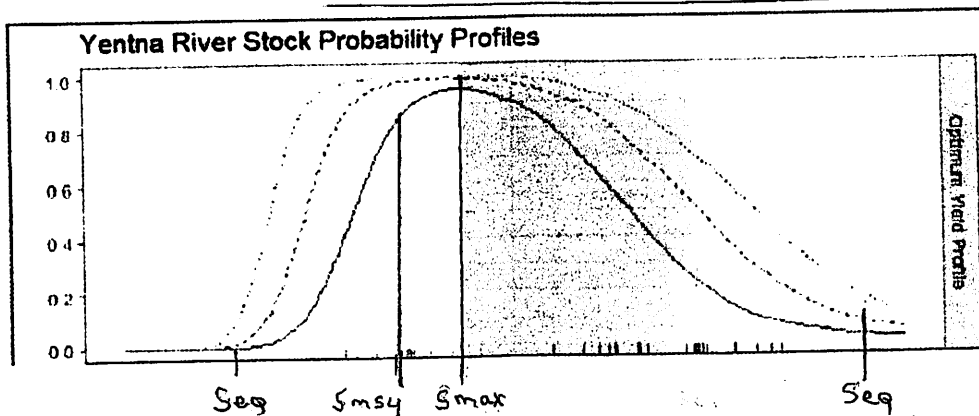
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SRA - Ricker S-R Relationship - Reference points.

Roland man



From Optimum escapement goals for Chinook salmon in the transboundary Alsek River, Bernard, et al., 2010



From Susitna River King Salmon Run Reconstruction and Escapement Goal Analysis, Reimer, et al., 2020