Annex 2

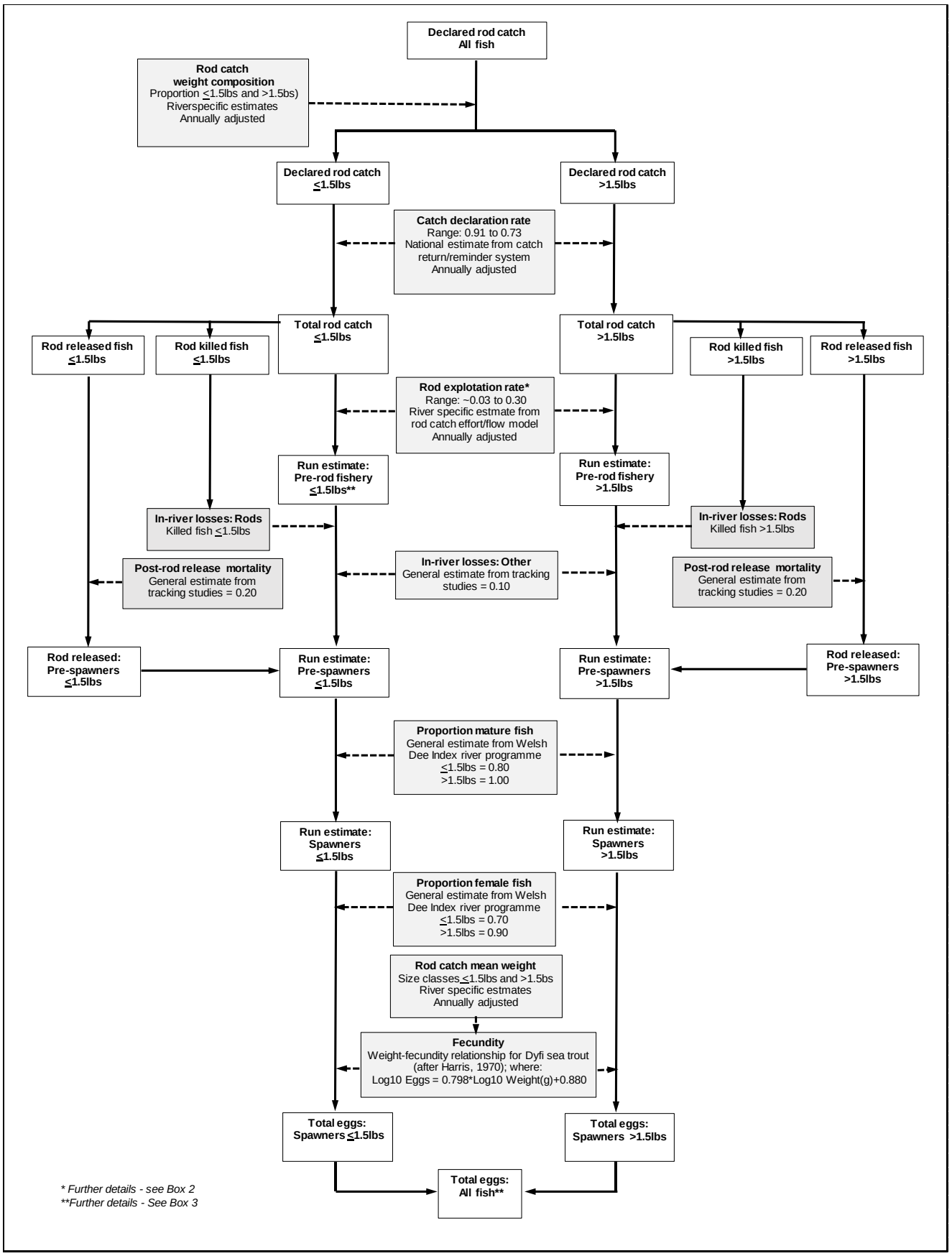
Sea trout stock-recruitment (SR) based assessment.

Summary of procedures used to:-

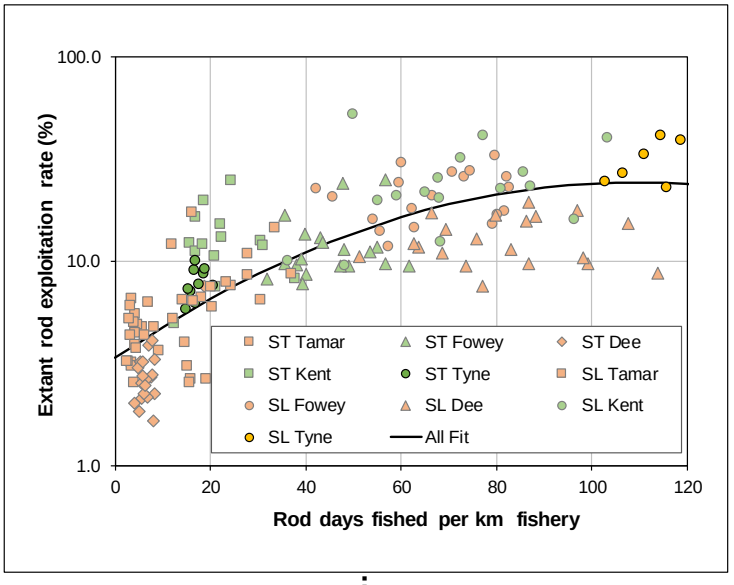
(i) generate river specific run and egg deposition estimates from rod catch and

(ii) derive SR curves and associated reference points from these data.

Box 1: Procedures to generate run and egg deposition estimates from rod catch



Box 2. Rod exploitation rate model – based on exploitation rate estimates from counted rivers and utilising angling effort and flow as 'predictor' variables.



** Contunued from Box 1*

Rod explotation rate*
Range: ~0.03 to 0.30
River specific estmate from rod catch effort/flow model
Annually adjusted

Log10 Extant rod exploitation rate (%) =
0.015888*Rod days fished per km-0.00007552*(Rod days fished per km)^2
+0.29255*Post-July inseason flow index -0.0335

R^2=0.718; P=<0.001

Box 3. Application of 'whitling' run (fish ≤1.5lbs) and egg deposition estimates (all fish) to derive SR relationships and assess CL compliance (Teifi example shown).