**CMG wishlist**

**28th July 2017**

**Reference factors**

* Recruitment

**Tentative robustness**

* Extent of mixing (this week, hopefully)
* Environmental covariates
* Cyclical (autocorrelation in) recruitment

**Data (after working group meeting)**

* Catch composition
* Trap selectivity [4]
* Split aerial survey

**Visualization**

* Separate out spatial distribution by age class (this week)
* Add fishery independent indices to summary plot

**Sensitivity analyses**

* Force flat trend in West stock spawning biomass over recent years (likelihood comparison)
* **West forced to similar magnitude as assessments (likelihood comparison)**
* **Force a four-fold increase in Eastern SSB over 2008 to 2015 (likelihood comparison)**

**Projection tests of OM factors**

* Fixed projections for zero catch, current catch, notional intermediate catch, max historical catch

**Fixes**

* **Check size composition LHF**

**Future diagnostics**

* Index removal cross test of OM fitting

**Presentations**

* Check conditioning reference case
* Reference set
* Indices moving forward (nail down)
* Can we make it look like the base case runs (SSB / recruitment)

**To do:**

* Update trial specifications
* Set up the
* Formalize prior weightings and penalties
* Renew HCobs
* Update package