**Oregon**

Fishery information

1. Live/dead considerations
2. Fleet structure (2015 used trawl, non-trawl, rec, at-sea hake)
   1. Trawl, non-trawl, recreational, foreign, at-sea hake, research

Catches

1. Historical
2. RecFIN/PacFIN
3. Treatment of catch by port versus catch by location? Could we even assign catches based on location of catch? May be because 2015 used INPFC areas.

BDS

1. Fork length/total length
2. Ages
3. Fecundity from EJ
4. Maturity – 2015 model used gonads from ODFW and estimates own relationship with prob of skip spawning. Do you know whether a study has been published?

Surveys (CAAL and index)

1. Triennial and WCGBTS and pre-recruit – any things of note for these in Oregon?
2. Based on last week subcommittee discussion, any conclusions about state specific survey availability?

Other data?

1. Movement, biological studies
2. Lack of big females
   1. Increased mortality after maturity (2015 model assumed) or something else?
3. Recent thesis describing growth differences in California and southern Oregon, with northern Oregon and washington
4. Tagging data?

**Washington**

General

1. Data available up to 2021? When might 2022 be available?

Fishery information

1. Live/dead considerations
2. Fleet structure
   1. Trawl, non-trawl, recreational, foreign, at-sea hake, research

Catches

1. Historical catch: lots of discussion during review.
   1. Are Canadian catches separated? Added those caught in Canada but landed in WA as sensitivity. Do that again. (This may be due to use of INPFC areas)
   2. Are Puget sound catches separated?
   3. Discard estimates or estimate discard rate
   4. Are tribal catches included?
      1. Seem to be included in at-sea hake fishery, or is that separate
2. RecFIN/PacFIN
   1. Do we use recfin for Washington data?
   2. Puget sound/Canadian catches notified?
3. Treatment of catch by port versus catch by location? Could we even assign catches based on location of catch? May be because 2015 used INPFC areas.

BDS

1. Fork length/total length
2. Ages
3. Fecundity from EJ

Surveys (CAAL and index)

1. Triennial and WCGBTS and pre-recruit – any things of note for these in Washington.
2. Based on last week subcommittee discussion, any conclusions about state specific surveys.

Other data?

1. Movement, biological studies
2. Lack of big females
   1. Increased mortality after maturity (2015 model assumed) or something else?
3. Recent thesis describing growth differences in California and southern Oregon, with northern Oregon and washington
4. Tagging data?

**California**

General

1. 2015 assessment said J. Budrick had preliminary research showing no separate stocks

Fishery information

1. Live/dead considerations
2. Fleet structure (2015 used trawl, non-trawl, rec)
   1. Trawl, non-trawl, recreational, foreign, at-sea hake, research

Catches

RecFIN/PacFIN

BDS

1. Fork length/total length
2. Ages
3. Fecundity from EJ

Surveys (CAAL and index)

1. Triennial and WCGBTS and pre-recruit – any things of note for these in Washington.
2. Based on last week subcommittee discussion, any conclusions about state specific surveys.

Other data?

1. Movement, biological studies
2. Lack of big females
   1. Increased mortality after maturity (2015 model assumed) or something else?
3. Recent thesis describing growth differences in California and southern Oregon, with northern Oregon and Washington
4. Tagging data?