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CSKT Compact TWG findings: Examples of topics and subtopics (working draft)
From: Larry Dolan to Chairman Metesh
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Topics and subtopics may be repeated and change hierarchy due to the question and findings. For example: does METRIC provide a reasonable estimate of crop use (NIR) vs was the METRIC-results compared appropriately to those used in the model vs comparing METRIC results to overall standard methods (GIS model). Or we can repeat findings or…?

My overall thinking as I construct this is to form findings as to the quality, quantity, and applicability of each component. The findings would not be a range, but a descriptor: adequate, no information was provided or available, inadequate, not an appropriate use of the method, the TWG feels the data support a value of xxx, the TWG supports use of results for xx, but not yy, etc., in its deliberation, the TWG was presented with contrasting information; our findings favor xx, etc.

The supporting documentation of each finding, would follow Larry's model

HYDROSS model
- Model objectives and uses
  - Quantification of current use
  - Increase instream flow from improvements
  - Scale appropriate for model use
  - Water distribution and water balance considerations
- Input
  - Data quality – stream/canal discharge
    - Measured data versus estimated
  - NIR or crop consumption
    - Standard method used
    - METRIC comparison
  - "Management factor"
  - Irrigation efficiencies and conveyance efficiencies
  - Return flow tracking and routing
- Output
  - Application of model output appropriate
  - Calibration
  - Does the model support all the conclusions?
    - Limitations of the model

METRIC
- Proper comparison to methods used in model
- Proper comparison to other methods

Crop Water Use by current irrigation practices
- Standard methods
- METRIC
- Other

Stream discharge network
- Adequate for quantifying stream flow in detail sufficient for:

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- Modeling
- Estimating management factor
- Other analyses (eg by Andrew B.)

Aquifer Characterization
- model input
- Estimating
  - return flows,
  - stream depletion,
  - canal loss, etc.

Instream flow quantification methods