The document "Definitions and Methods" dated January 26, 2009 is responsive to the section in "bold" below. This outline is from the powerpoint presentation for Chair Doduc.

Approach to Flow Recommendations

- Areas of Special Focus:
  - Small projects above UPA
  - Cumulative impacts to salmonids
- Approach:
  - Define management objectives that can be evaluated using standard calculations, site-specific studies, watershed approach
  - Cumulative effects not necessarily calculated at POD
  - Bypass / Maximum Cumulative Diversion terms not necessarily pro-rated for all diverters
- Three possible bypass outcomes:
  - None, Winter Baseline (QWB), Salmon Spawning (QS)

Flow Related Principles

- **Defines Flow Thresholds for QS and QWB**
  - **QS = flow for salmon spawning**
  - **QWB = winter baseline flow for wetted riffle**
  - **Curves for standard terms**
  - **Includes guidance for site specific studies**
- Maximize "sweet spot" between QS and QWB
  - Preserve most flows lower than QWB (5% instantaneous reduction or functional equivalent)
  - Limit diversion between QWB and QS (10% instantaneous reduction)
  - Allow more diversion at flows above QS (20% instantaneous reduction)
  - (Number are TU/Trush discussion draft recommendation; W&B to evaluate)[1]
- Framework protects winter flow needs and channel forming flows
  - Other policy elements (season of diversion, framework for onstream dams) help protect other life history stages and natural resource values

Implementation Above UPA

- Above UPA
  - No Bypass if pass Cum. Effects Test (CET) and DA <64 acres (typically Class III)
  - Bypass QWB if pass CET and DA >64 acres (typically Class II)
  - If fail CET increase bypass above QWB as necessary to pass CET
  - Active management allowed with monitoring / reporting
- Form of CET
  - Point of Evaluation = 1 square mile or site specific determination of UPA if necessary
  - CET = Depletion not more than 5% average annual volume at PoE
    - (Flexible approximation of 5% rate reduction below QWB)
  - Or: Depletion not more than 10% average annual volume at PoE if no bypass reservoirs collectively deplete 5% of the volume
    - (Flexible approximation of 5% rate reduction below QWB and 10% below QS)
  - Or site-specific studies (evaluation criteria being developed)

Implementation Below UPA

- Below UPA
  - Establish and bypass QS
  - Establish MCD term
    - Variable rate set at 20% of instantaneous flows
    - 20% of QS with intake set to avoid diversions below QS
    - (These examples implement 5/10/20% thresholds from above, which is under review)

[1] As discussed with Steve et al last week, we think the Management Objectives could be written to focus more directly on change in depth rather than change in Q.