WELCOME

Bark Beetles and Watersheds Workshop

Impacts to the Hydrologic Cycle and Water Quality

Salt Lake City, Utah

December 1, 2011

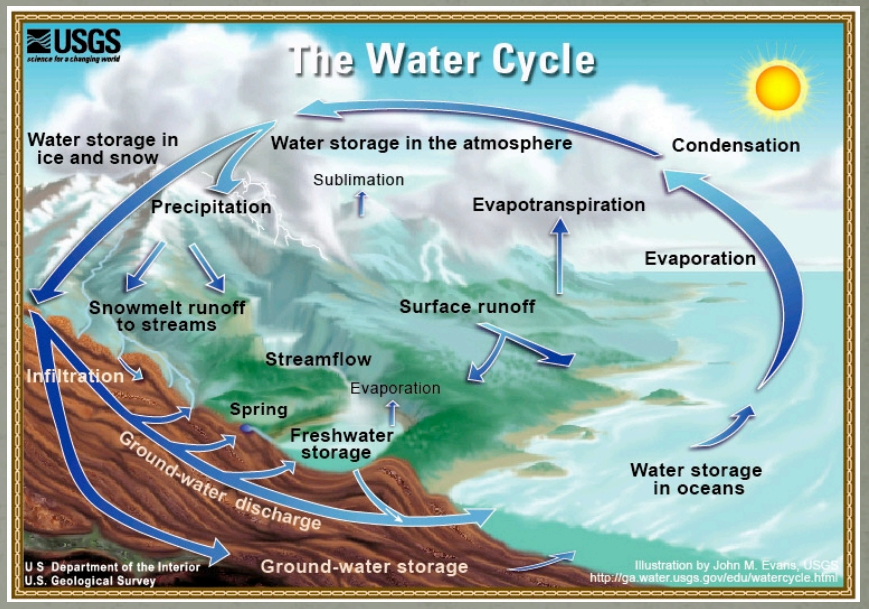
US FOREST SERVICE
INTERMOUNTAIN REGION

Western Water Assessment

RMRS
ROCKY MOUNTAIN RESEARCH STATION

Bark beetles and watersheds

- Epidemic causing rapid change in characteristics of headwater forests
- Effects will typify western watersheds and forest landscapes for decades
- Water cycle consequences
  - Physical
  - Chemical
  - Biological

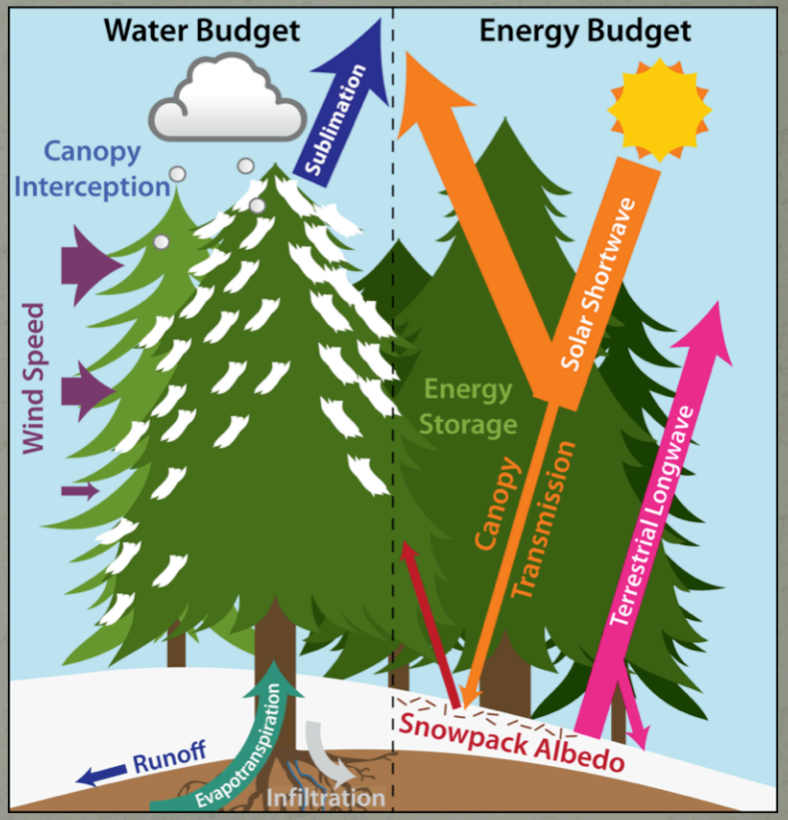


Workshop goals

- Share beetle-water research key findings and uncertainties
- Seek input from Utah resource managers
- Connect decision makers with researchers and managers

Agenda

- Bark beetle epidemic in Utah
  - Where are we?
  - What could be the impacts?
  - Group discussion
- Research approaches and results
  - Water quantity and hydrologic impacts
  - Water quality impacts
  - Group discussion
- Future impacts of climate and other factors



Forest Service perspective

- Clean Water: Insect Outbreaks and Watersheds
  - http://www.fs.fed.us/rm/boise/AWAE/briefing/CleanWater_PineBeetle_Dave.pdf
- Western Bark Beetle Strategy: Human Safety, Recovery and Resiliency
  - http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5338089.pdf
- Forests to Faucets
  - http://www.fs.fed.us/ecosystemservices/FS_Efforts/forests2faucets.shtml

Forest Service perspective

- Clean Water: Insect Outbreaks and Watersheds
  - Research addressing effects and management
- Western Bark Beetle Strategy: Human Safety, Recovery and Resiliency
  - Falling trees/wildfire hazard
  - Re-establish forests
  - Protection of unaffected forests
- Forests to Faucets
  - Forest importance to drinking water
  - Insect and disease/wildland fire/development threats to surface drinking water

Housekeeping

- Cell phones
  - Please turn off…
- Rest rooms
  - Down one floor and to the left…
- Secondary conversations
  - Minimize/take outside room…
- Lunch
  - On own…food court on first floor…please return on time…
- Breaks
  - Morning and afternoon…please be reseated on time…
- Fire escape
  - Out and to the…

Enjoy yourself today…