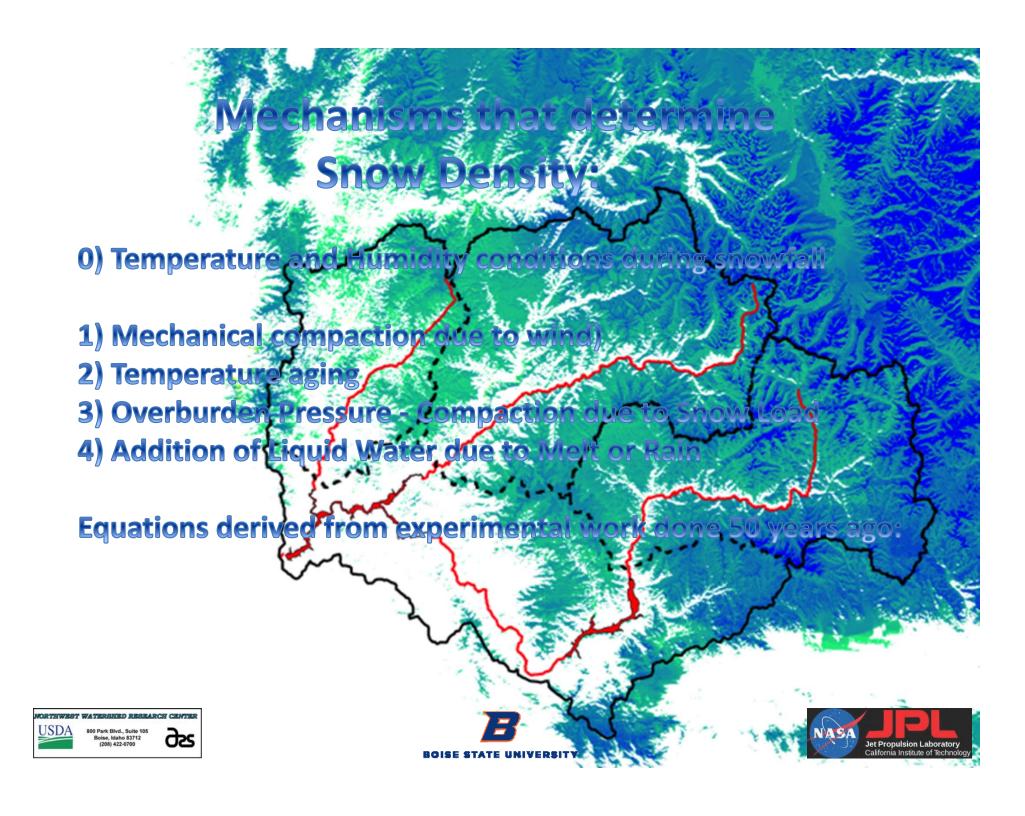
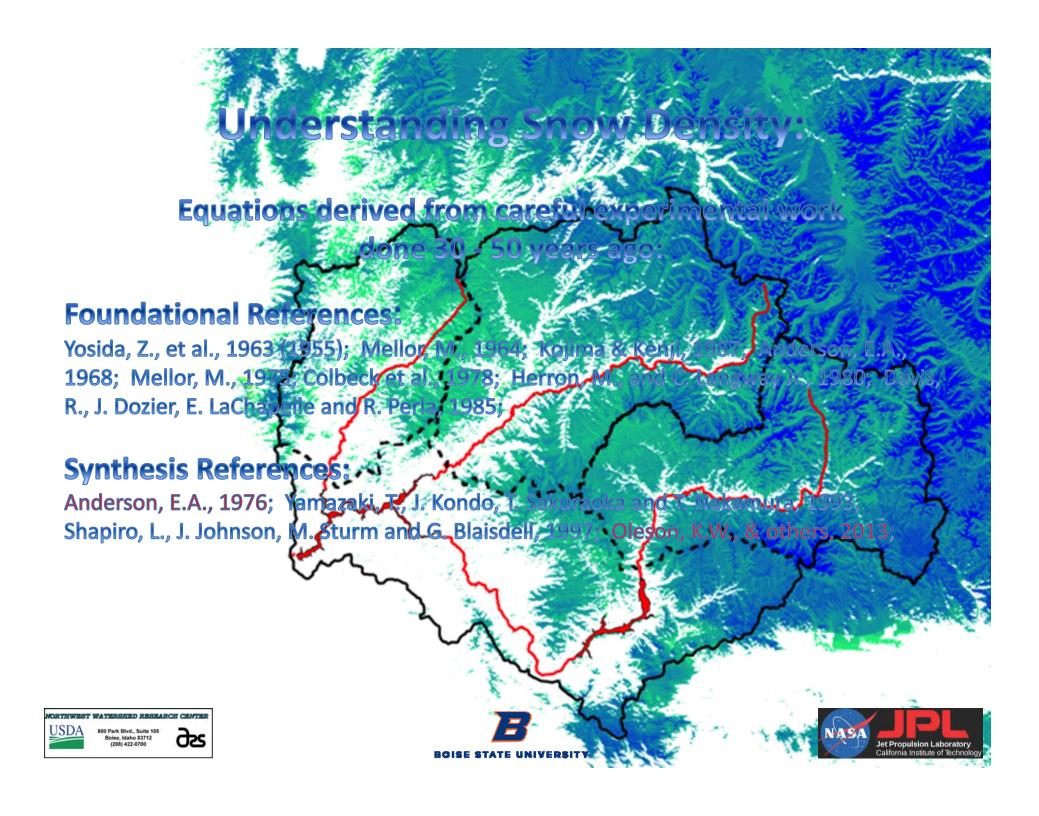


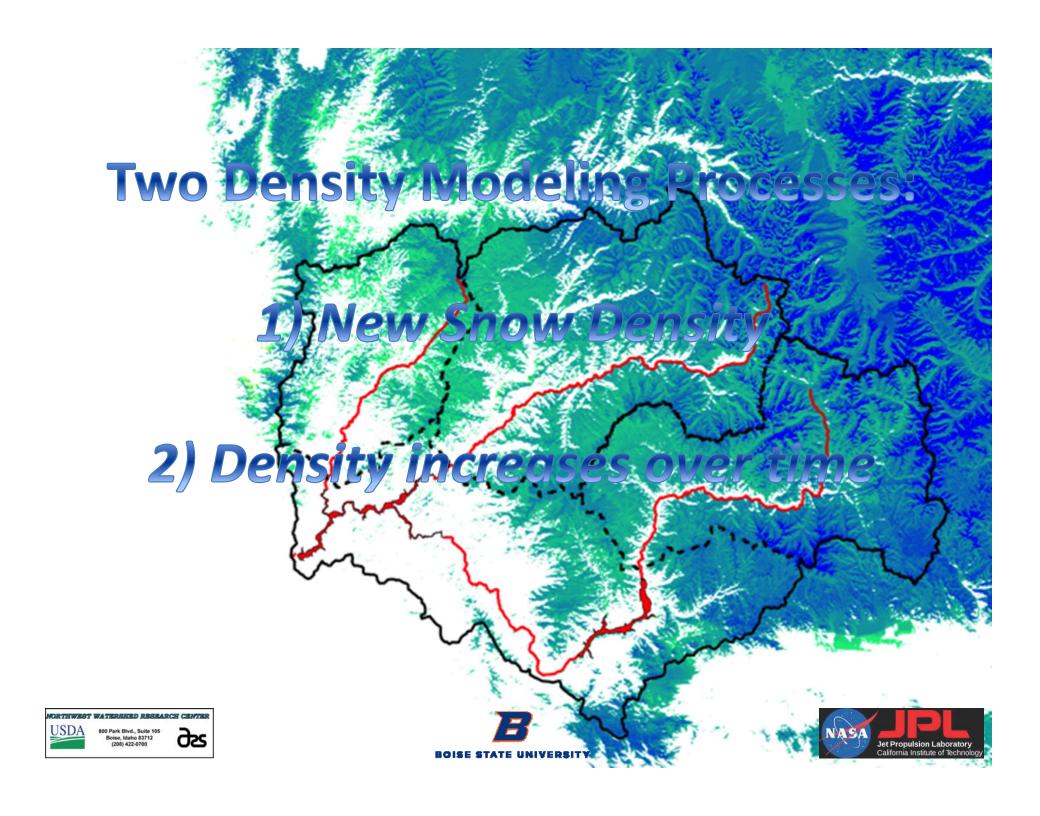
NORTHWEST WATERSHED RESEARCH CENTER

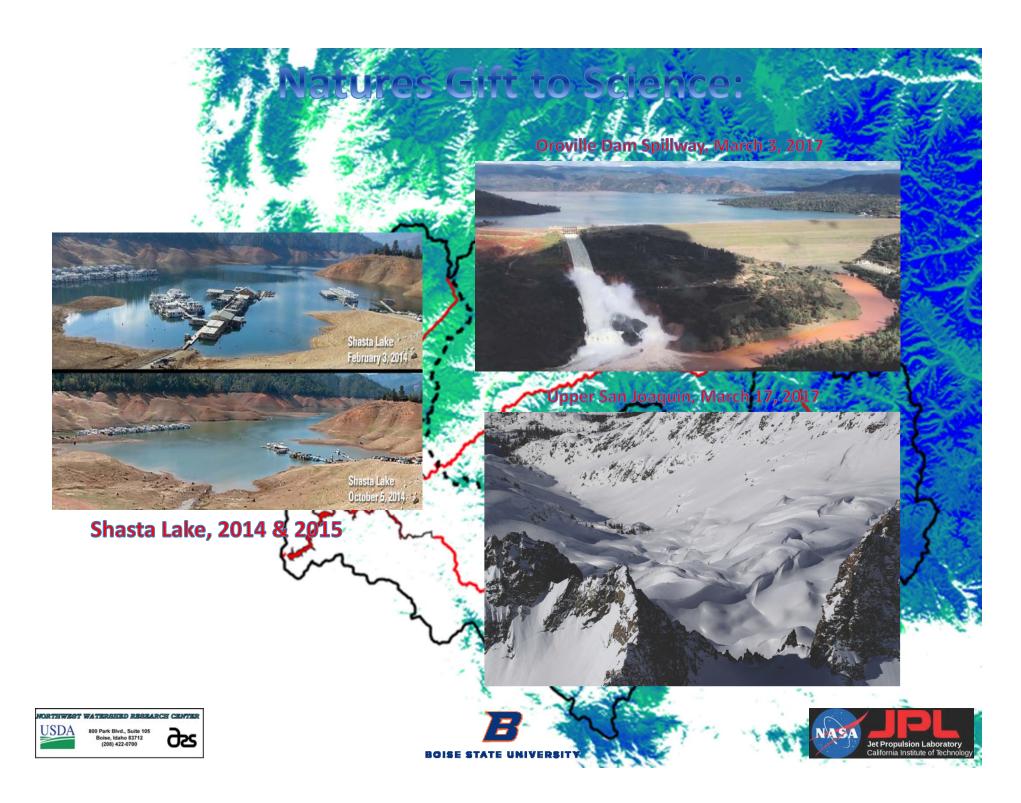
USDA

800 Park Blvd., Suite 105
Boise, Idaho 83712
(200) 422-0700









Wodel Behavior:

Tuolumne River Basin, 50m Resolution, 2017 Show Season

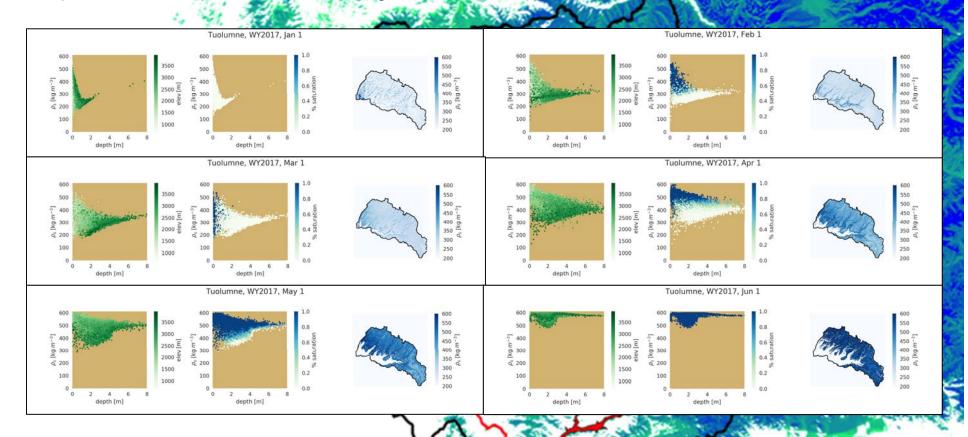
ρ_s vs z_s & Elevation

, vs , & Liquid Water

Basin O. Distribution

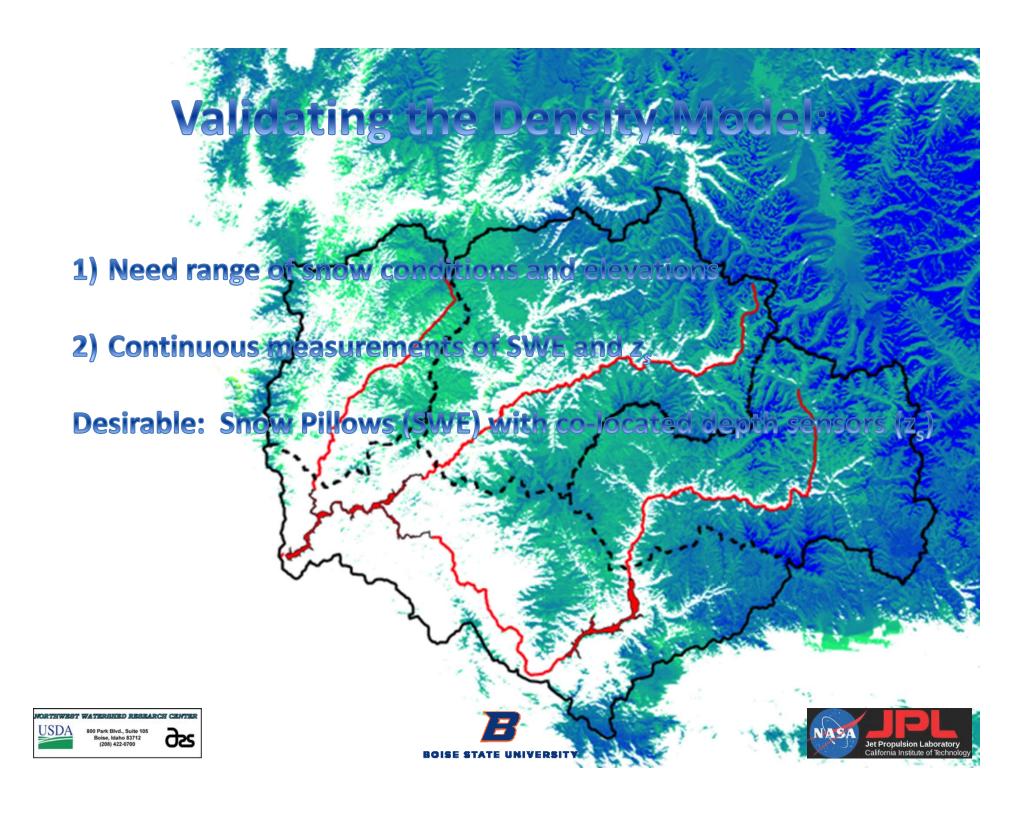
 $\rho_s \nu$

& Elevation z & Liquid Water Basin p. Distribution





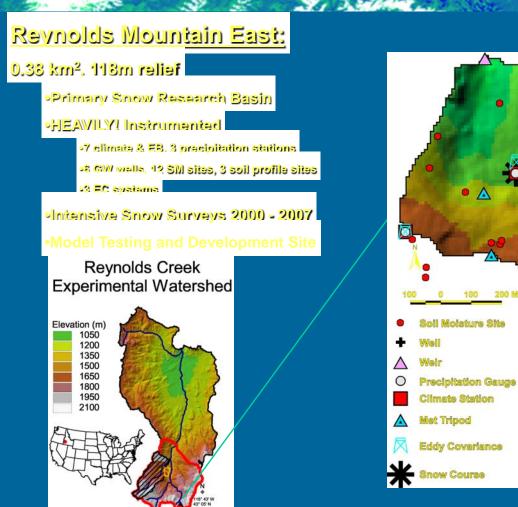




Reynolds Creek Experimental Watershed, Idaho

1 Pillow site, (2067 m) WY2009

Coordinated
Lidar, Radar,
field survey &
snow course





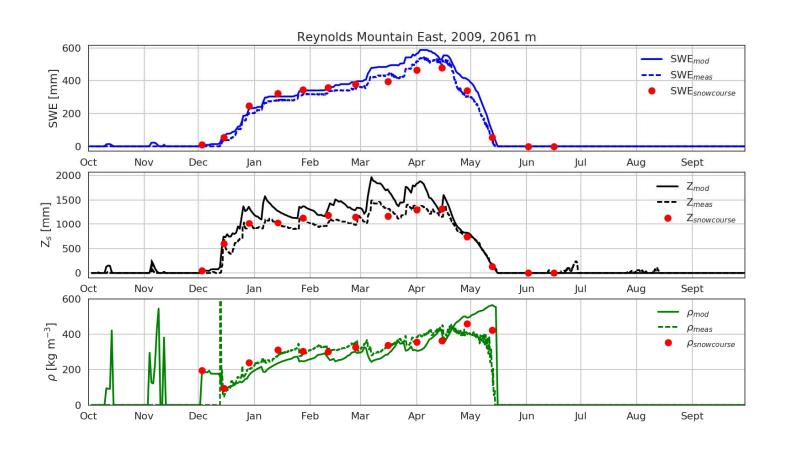


Elevation (m)



Reynolds With East, 2009 Snow Season

measured & modeled depth, SWE, density, temperature and liquid water





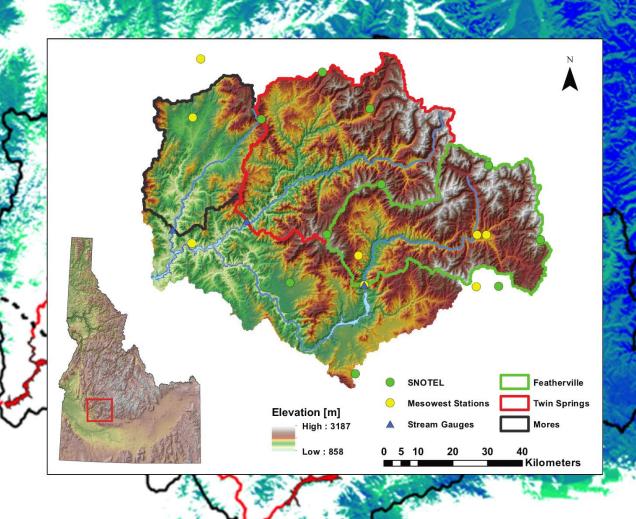




Boise River Basin (7,000 km²), Idaho:

14 SNOTEL sites, WY2017 1400 – 2600m

co-located pillow and depth sensor

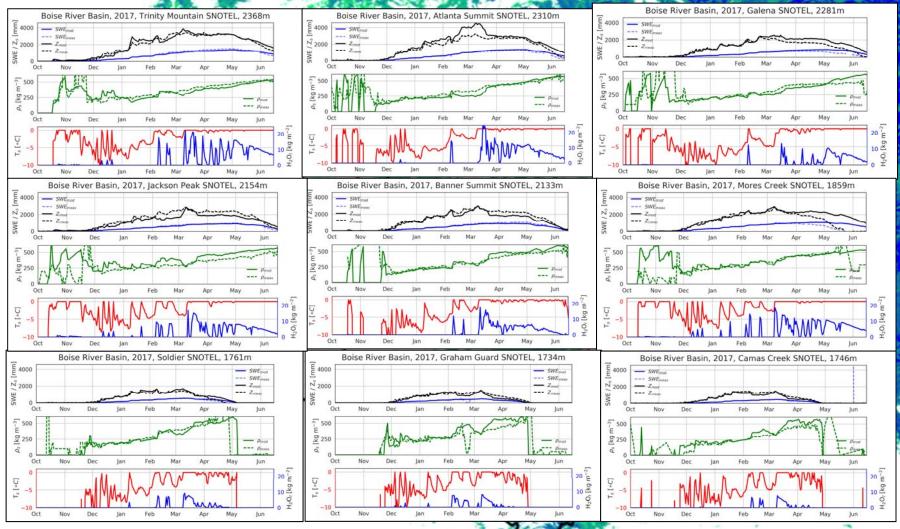


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Boise River Basin, 2017 Snow Season

measured & modeled depth. SWE, density, temperature and liquid water





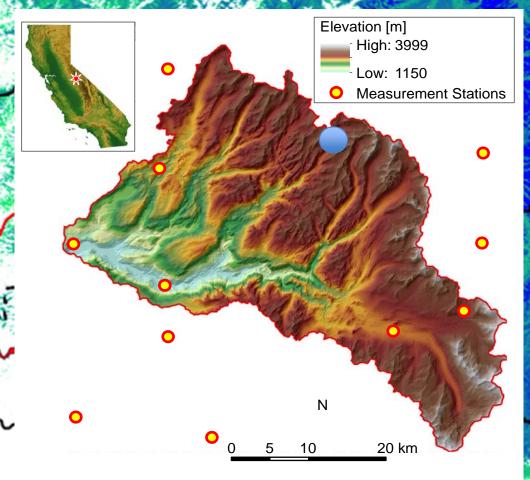




Tuolumne River Basin (1184 km²), Southern Sierra Nevada, California, US

1 Pillow site: Slide Mtn (2804) WY2017

Only functional site with co-located pillow & depth sensor









Juolumne, Slide Canyon Site,

2017 Snow Season:

measured & modeled depth, SWE, de

