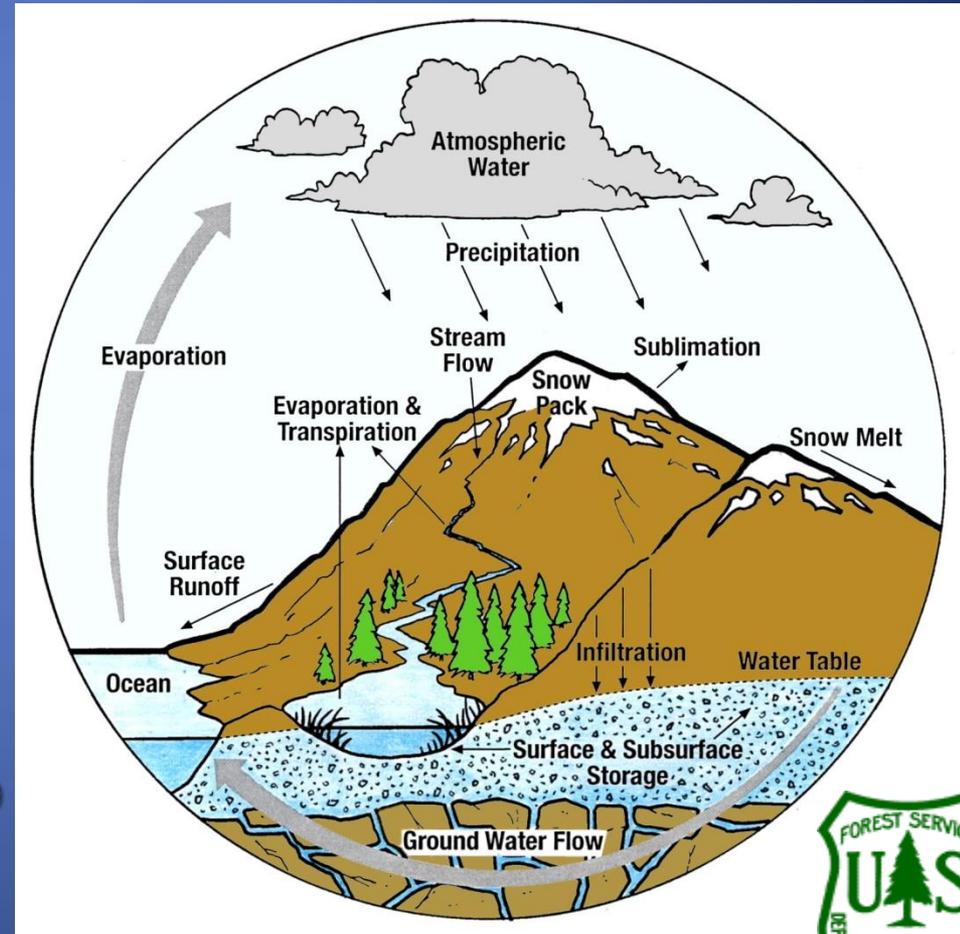


Ecosystem Services

Flows from ecosystems that occur naturally and are of relatively immediate benefit to humans

- Goods – tangible material products resulting from ecosystem processes; generally monetizable
- Services – improvements in condition, location, expression of things of value through ecosystem processes; often difficult to monetize



Groundwater Ecosystem Services

(goods & services)

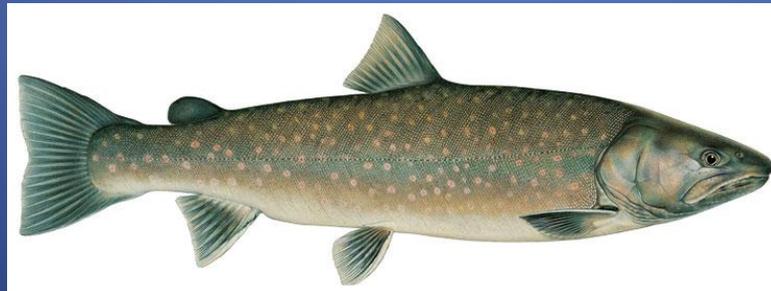
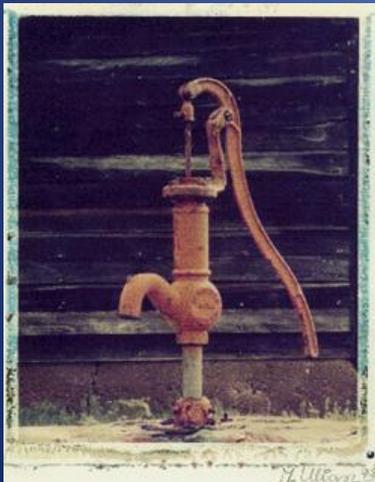
- Water supply
- Recreation
- Fish
- Forage & Fiber
- Maintenance of hydrologic cycle
- Drought mitigation
- Water purification
- Water storage
- Water regulation
- Waste assimilation
- Carbon storage
- Ecosystem health
- Biodiversity



Groundwater Ecosystem Services

Goods:

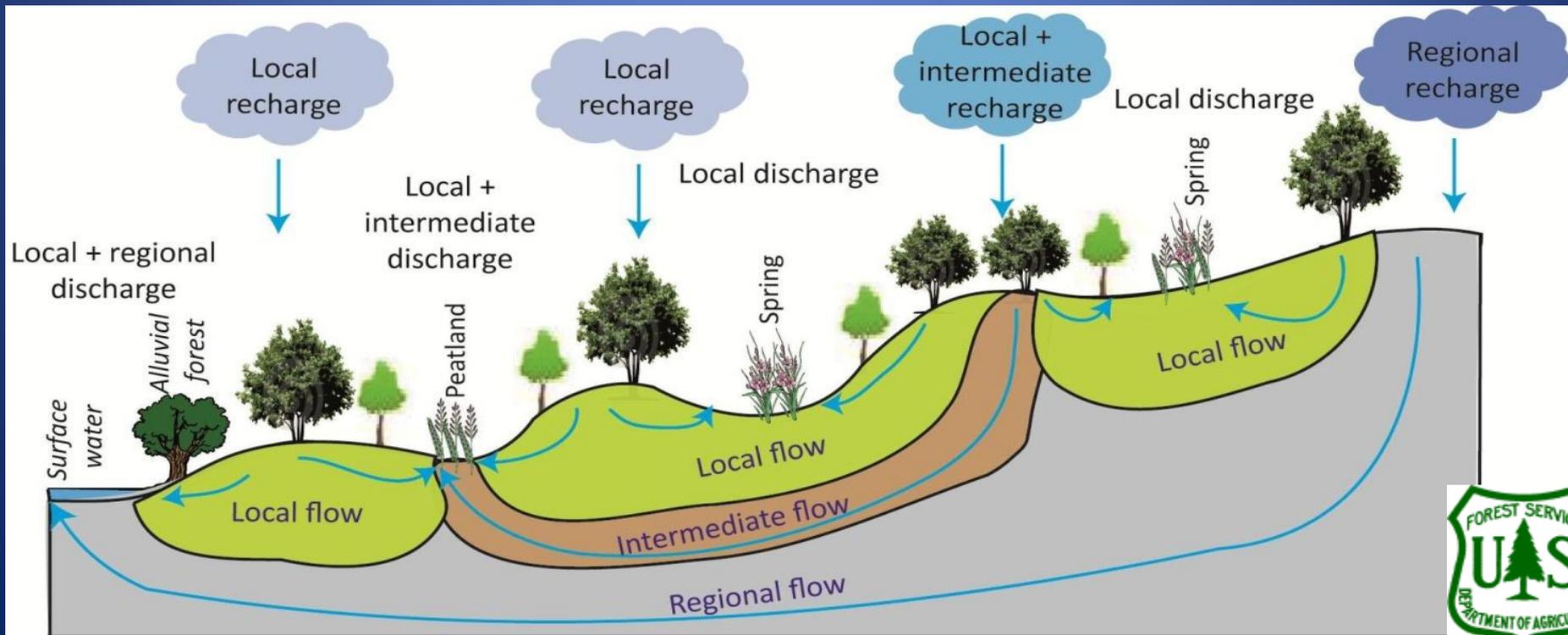
- Water supply
- Recreation
- Fish
- Forage & Fiber

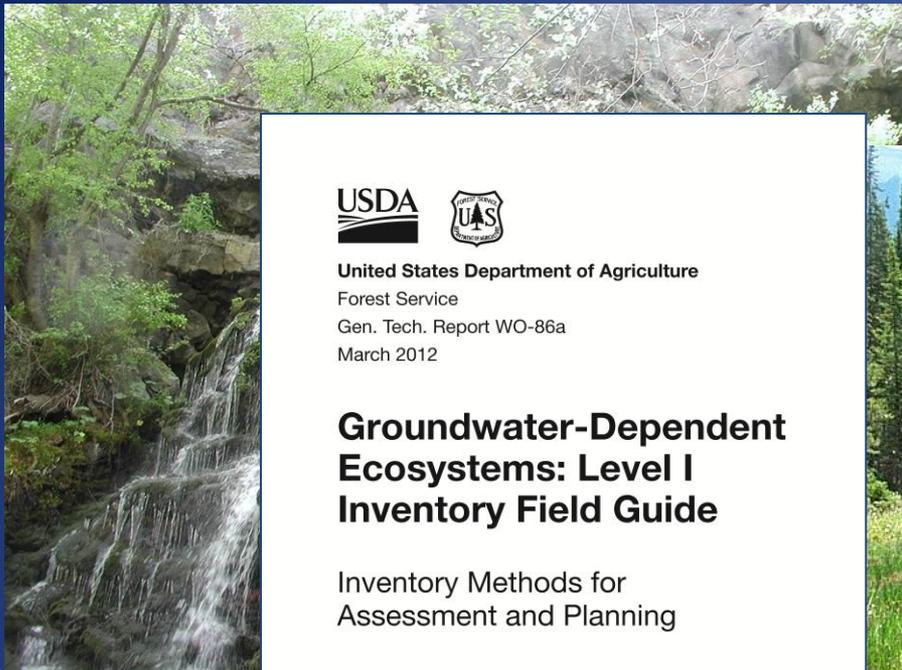


Groundwater Ecosystem Services

Services:

- Maintenance of hydrologic cycle
- Drought mitigation
- Water purification
- Water storage
- Water regulation
- Waste assimilation
- Carbon storage
- Ecosystem health
- Biodiversity

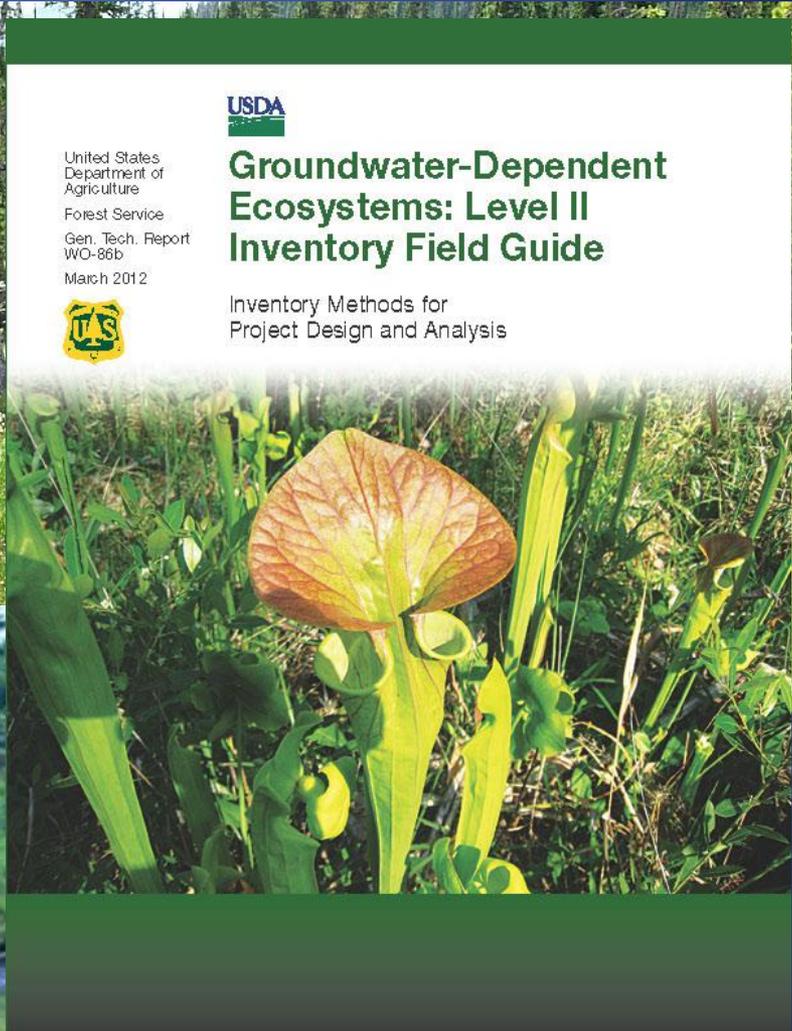
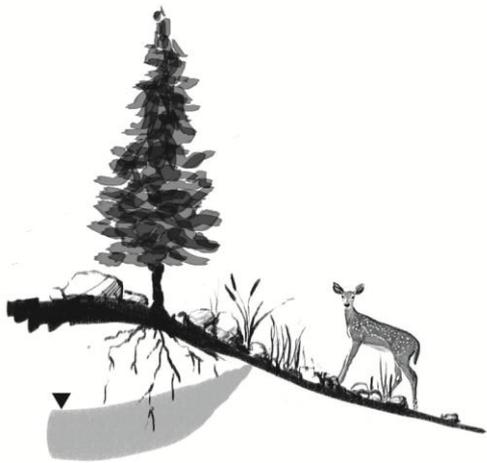




United States Department of Agriculture
Forest Service
Gen. Tech. Report WO-86a
March 2012

Groundwater-Dependent Ecosystems: Level I Inventory Field Guide

Inventory Methods for
Assessment and Planning



United States
Department of
Agriculture
Forest Service
Gen. Tech. Report
WO-86b
March 2012



Groundwater-Dependent Ecosystems: Level II Inventory Field Guide

Inventory Methods for
Project Design and Analysis



NFS WATER RESOURCES



- Over 400,000 miles of rivers and streams.
- Over 2.2 million acres of ponds and lakes.
- 3,400 public and non-public drinking water supplies.
- Over 8000 water use authorizations.
- Over 2,000 hydropower dams (18.5 million average homes).
- Between 4,000 and 19,000 reservoirs (2,000 owned by FS).
- 20,000 (plus or minus 1000s) water rights owned by the FS.
- NFS lands supply over 66 million people with high quality water.
- Over 46 million fishing visits annually, over \$2 billion in revenues, over 51,000 jobs, and over \$264 million in federal taxes.
- Estimated annual value of water from NFS lands: \$7.2 billion.

