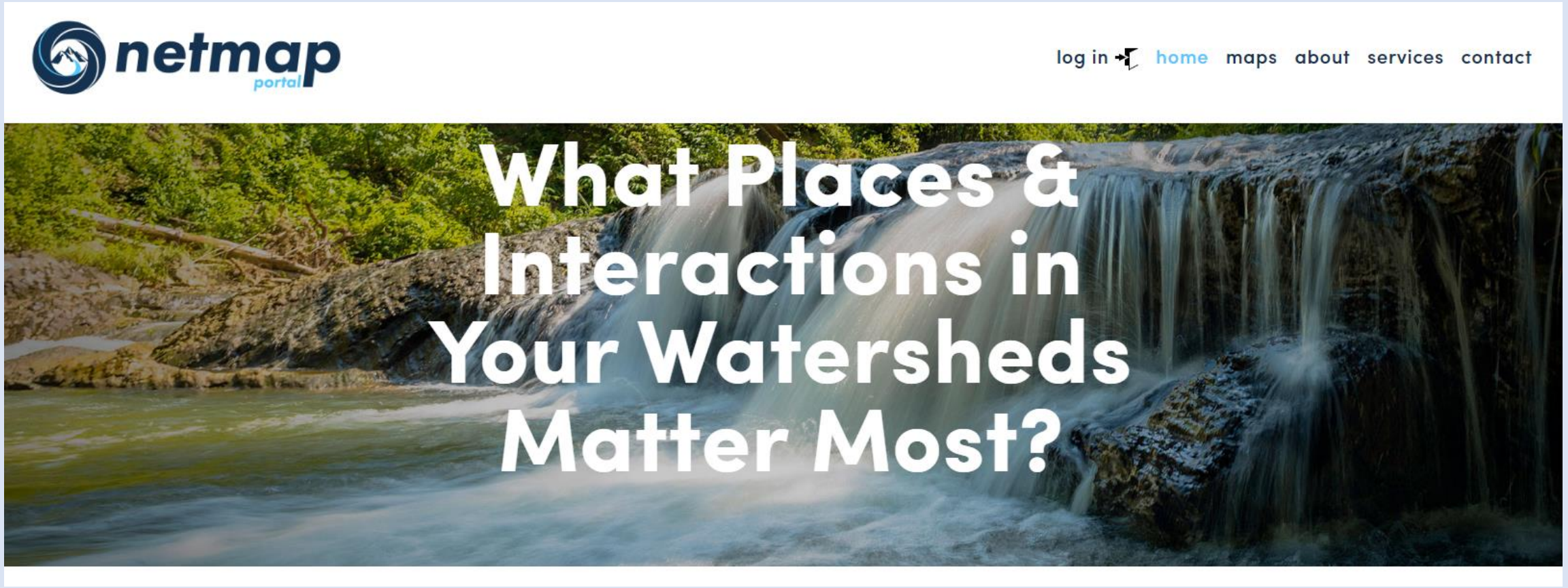
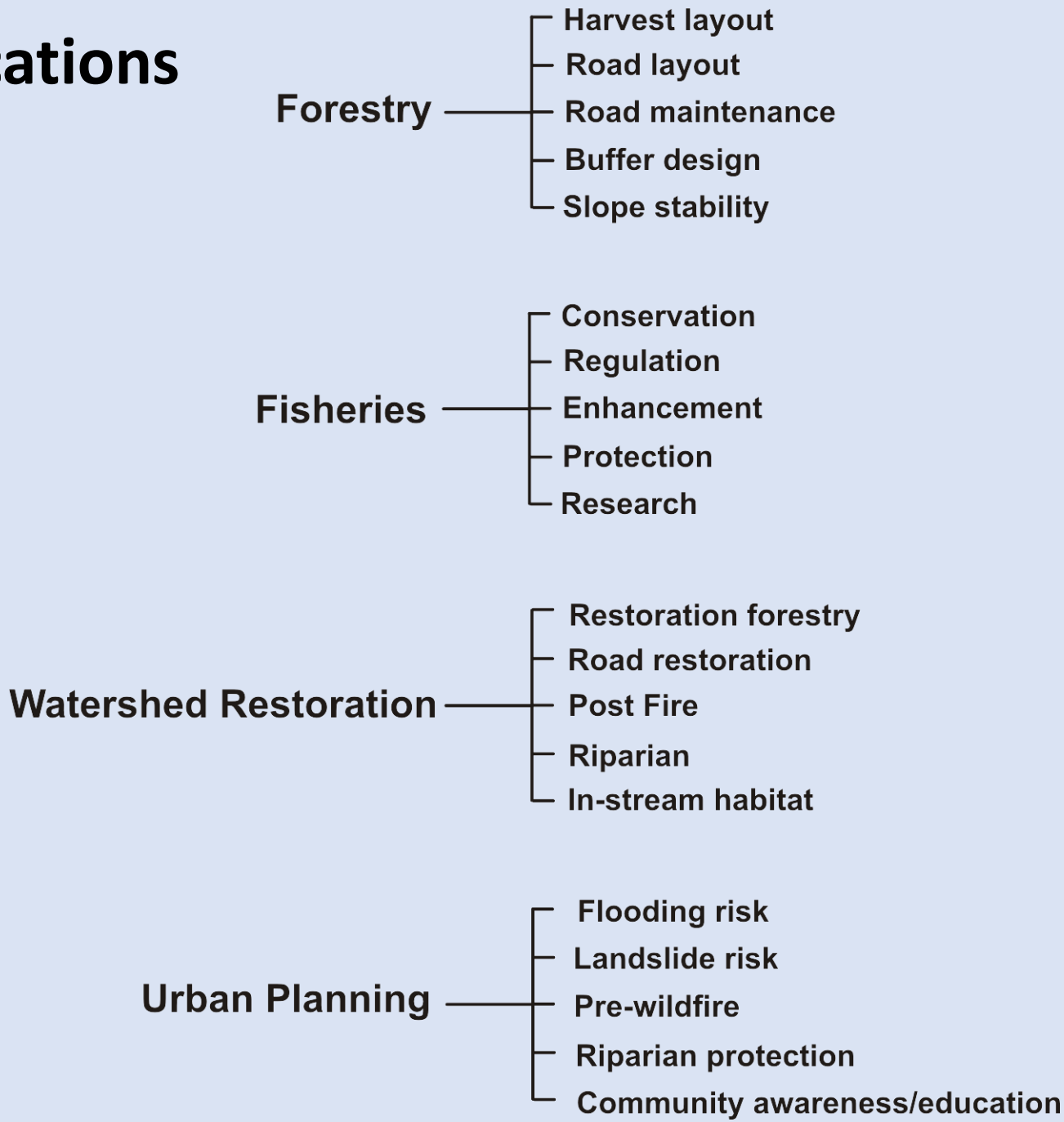


NetMap Portal Applications

Become your own watershed expert!

Potential Applications



What Can you do with the Portal? At least 25 things!

1) Locate the best potential fish habitats.
2) Identify biological hotspots.
3) Map floodplain extent and variation.
4) Identify potential landslide prone slopes.
5) Examine landslide risk – fish habitat interactions.
6) Detect potential debris flow risk areas.
7) Examine debris flow risk – fish habitat interactions.
8) Examine slope stability proximity to built infrastructure.
9) Evaluate forest road erosion and sediment delivery to streams.
10) Identify stream reaches that receive road related sediment.
11) Determine optimal locations for new road drains to eliminate or reduce sedimentation.
12) Evaluate fish habitat amount upstream of road crossings.
13) Identify road – landslide/debris flow risk interactions.
14) Detect road – floodplain interactions.
15) Evaluate thermal sensitivity of streams.

netmap portal

What Can you do with the Portal? At least 25 things!

16) Predict current shade and thermal loading conditions in streams.
17) Identify where to put new shade for greatest effectiveness.
18) Estimate current in-stream wood recruitment potential.
19) Map potential thermal refugia – three different types.
20) Map potential climate change to stream reaches.
21) Evaluate climate change – fish habitat intersections.
22) Identify fire risk and severity, and mapped to streams.
23) Detect overlaps between fire risk and important resources.
24) Obtain information of channel fluvial conditions.
25) Identify all streams using shaded relief, including ephemeral reaches.

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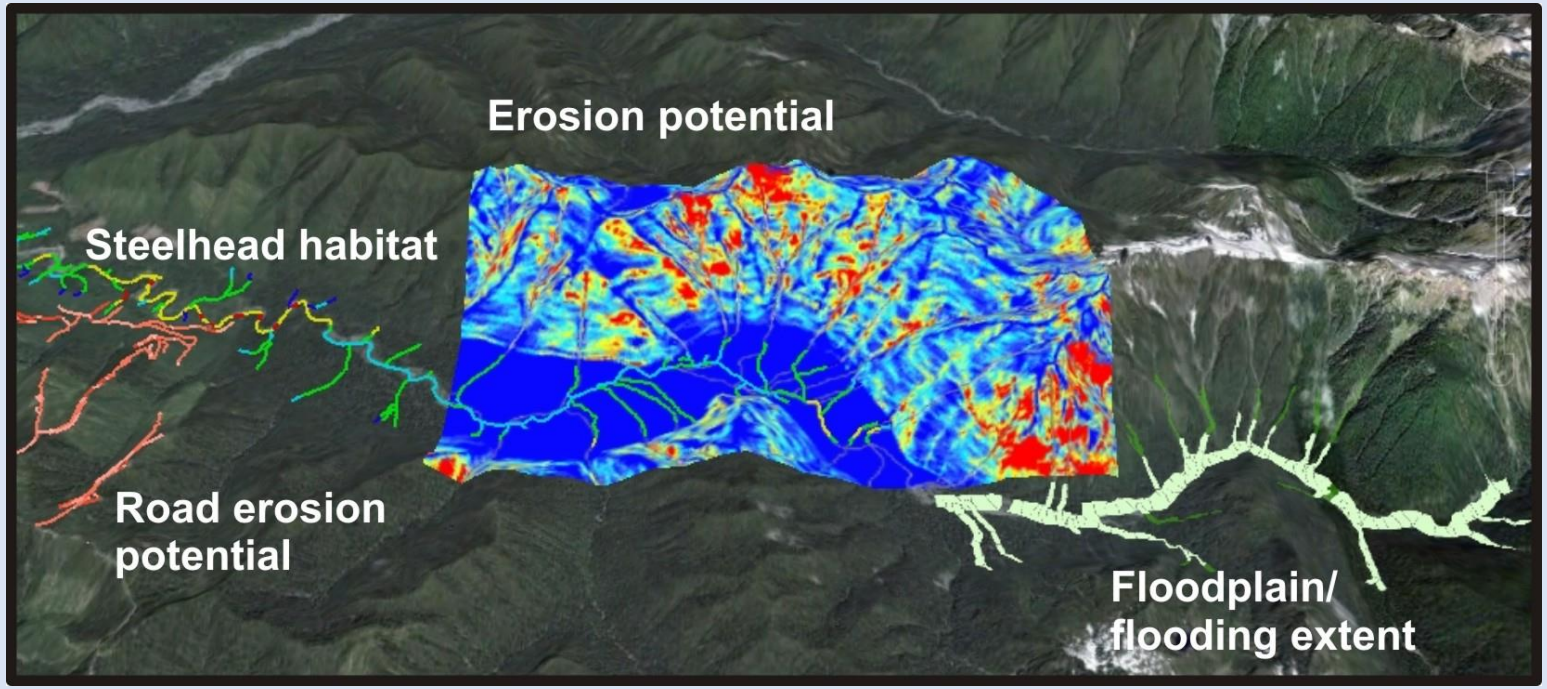
Upgrade Your Watershed using the Highest Resolution Digital Elevation Model and More Advanced Analyses

Note – many NetMap datasets across the western US are based on 10 m DEMs and do not contain many of the latest analyses including:

- **use of 1 m LiDAR**
- **detailed valley and floodplain mapping**
- **riparian processes (shade-thermal energy, new shade effectiveness, in-stream wood recruitment and thermal refugia)**
- **forest road analyses**



These upgrades can be made in your watershed for very reasonable cost, please contact us.

See the difference between LiDAR and 10 m DEMs in NetMap's watershed attributes here

With the latest DEMs and the most advanced analyses using NetMap and NetMap Portal, you become the watershed expert!

To learn more about virtual watersheds and NetMap, go www.terrainworks.com

To Learn how the Portal Works, go here.