

23 May, 2014



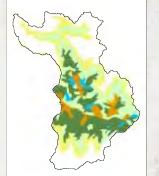




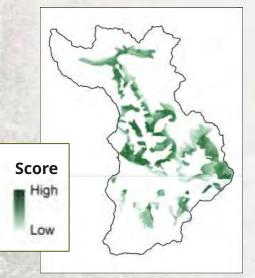
ACTIVITY SCORE MAPS (RIOS)

RIOS SCORE MAPS

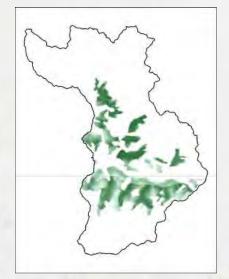
NATHPA JHAKRI – PRIORITIZATION



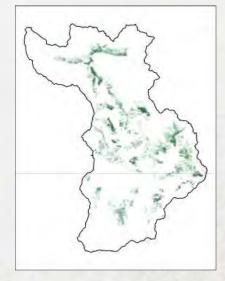




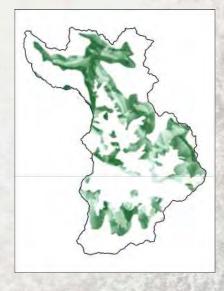
Energy plantation



Protection



Contour trenching



Fodder development

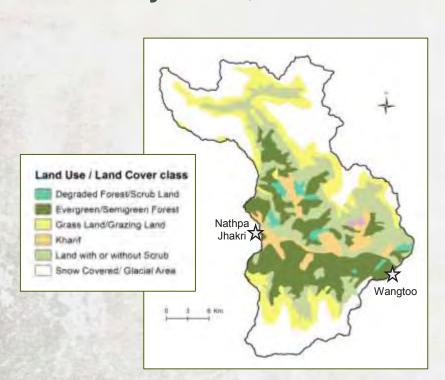


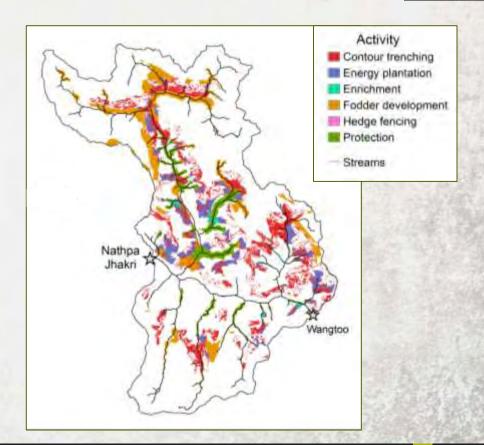
ACTIVITY PORTFOLIOS (RIOS)

natural capital

RIOS ACTIVITY PORTFOLIO

NATHPA JHAKRI, 15% BUDGET





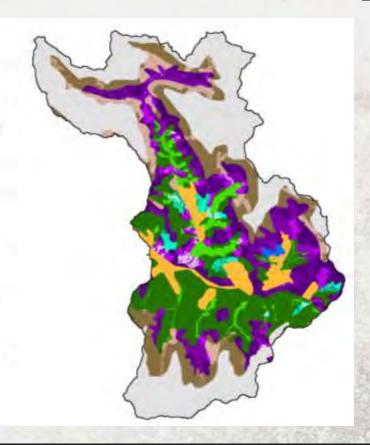


PORTFOLIOS → SCENARIOS (GIS)

PORTFOLIO LULC MAP

LULC Classes

- Degraded Forest/Scrub Land
- Degraded Forest/Scrub Land->contour_trenching
- Degraded Forest/Scrub Land->energy_plantation
- Degraded Forest/Scrub Land->enrichment
- Evergreen/Semigreen Forest
- Evergreen/Semigreen Forest->protection
- Grass Land/Grazing Land
- Grass Land/Grazing Land->fodder_development
- Kharif
- Land with or without Scrub
- Land with or without Scrub->contour_trenching
- Land with or without Scrub->energy_plantation
- Land with or without Scrub->fodder_development
- Plantation
- Snow Covered/ Glacial Area





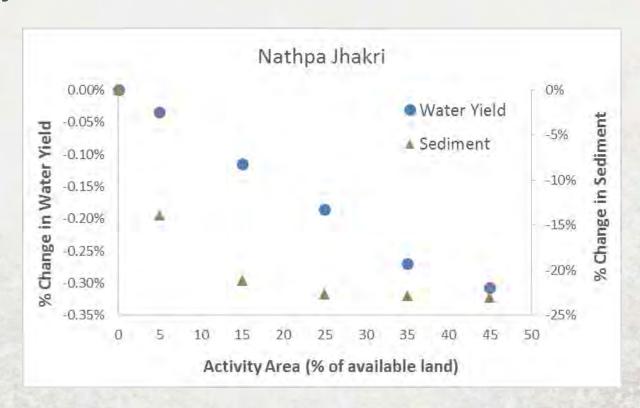
ESTIMATING BENEFITS OF ACTIVITIES (INVEST)

BENEFIT OF ACTIVITIES

PROJECT

natural capital

NATHPA JHAKRI



ADDITIONAL RESULTS



Sediment retention landscape patterns





Sediment retention by microwatershed



WHAT RIOS/INVEST CAN TELLYOU



Targeting investments in watersheds to improve ecosystem service delivery

- Relative change in services:
 - Help to design PES scheme: Where do opportunities exist?
 - Help to set budgets: How much should we spend to get X% improvement?

Relative value of different micro-catchments for watershed services