Thinking about multiple future options for the wilderness catchments

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Demonstration scenarios pollutants and sediment

- Business as usual
- Restoring all degraded areas within the catchment
- Allowing all catchments of degrade
- Restoring all those area catchments adjacent to river systems
Natural and Degraded areas

Legend

Landcover
- Dam
- Degraded Floodplain
- Degraded Goukamma Dune Thicket
- Degraded Knysna Afromontane Forest
- Degraded Outeniqua Mountain Fynbos Complex
- Degraded Outeniqua Plateau Fynbos
- Forest Plantations (Pine spp)
- Forest Plantations (Pine spp) (rehab)
- Irrigated Farm (Centre Pivot)
- Irrigated Farm (Orchards)
- Irrigated Farm (Pasture)
- Irrigated Farm (Vegetables)
- Lake
- Natural Floodplain
- Natural Goukamma Dune Thicket
- Natural Knysna Afromontane Forest
- Natural Outeniqua Mountain Forest Complex
- Natural Outeniqua Plateau Fynbos
- Urban / Built-up (residential, formal suburbs)
- Urban / Built-up (rural cluster)
- Urban / Built-up (smallholdings)
River buffer areas

Legend
- Eden_Rivers
- River abutting catchments

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Total amount of nitrogen entering rivers

- Current: 130 000 kg pa
- Restored: 110 000 kg pa
- Degraded: 150 000 kg pa
- River Restored: 160 000 kg pa
Total amount of phosphorus entering rivers

- Current: 1500000 kg per year
- Restored: 1000000 kg per year
- Degraded: 2500000 kg per year
- River Restored: 1500000 kg per year
Total amount of sediment entering rivers

- Current: 3000 tons pa
- Restored: 2000 tons pa
- Degraded: 6000 tons pa
- River Restored: 4000 tons pa

300 tons pa
Demonstration scenarios - alien invasives

• Business as usual
• Allowing wattle species to invade all natural areas
• Controlling alien species – to 5% of their current extent
% reduction of total flow

- Current situation: 13%
- Reducing invasives to 5 of current extent: 1%
- Wattle invasion: 32%