Simple conceptual model diagram for **PHYSICAL HABITAT**

Diagram contents:

Human activities: mining & resource extraction, agriculture, forestry & silviculture, urbanization, industry

Sources: stormwater runoff, point effluent discharges, channel alteration

Modifying factors: geology, gradient

Interacting stressors: ↑ bedload & deposited sediment, Δ discharge patterns, Δ water velocity & depth

Proximate stressors: ↓ bank habitat, ↓ large woody debris, ↓ cover, Δ geomorphological units (↑ runs, Δ pools, ↓ riffles), ↑ barriers to movement, ↓ riparian habitat, ↓ physical habitat availability, ↓ physical habitat quality

Responses: ↓ condition, Δ behavior, ↑ mortality, ↓ reproductive success, Δ population & community structure, Δ ecosystem processes

LEGEND:
- human activity
- source
- proximate stressor
- modifying factor
- interacting stressor
- response