



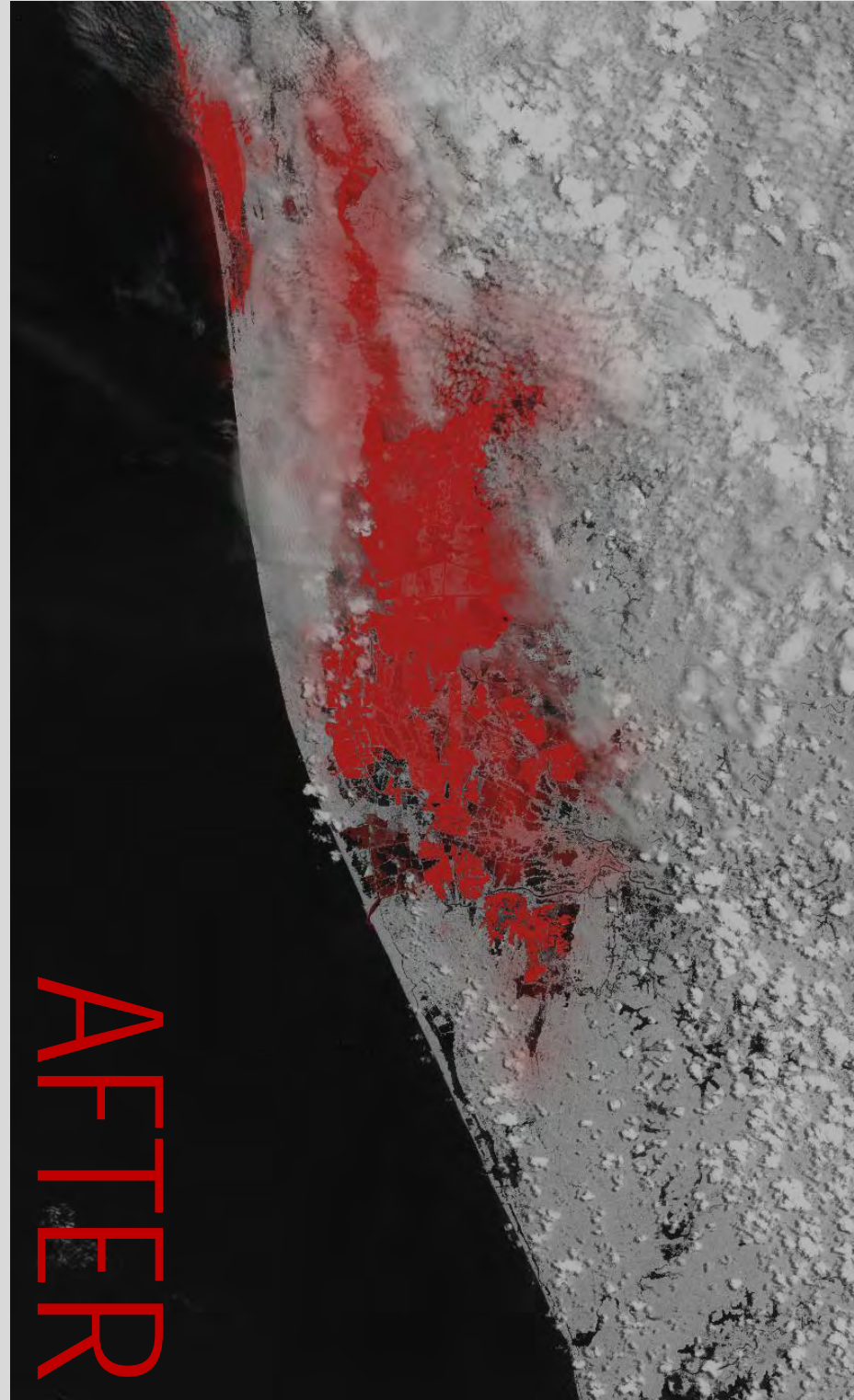
PRODUCTIVE DREDGING

HOW CAN A LONG TERM DREDGING SCHEME CONTRIBUTE TO FLOOD PREVENTION?

BY ARSHAD ANWAR , CSILLA BEKKER , FEBIN JACOB , ZACHARIA JOSEPH KUTTIYIL



WHY



FLOODS CAUSED BY

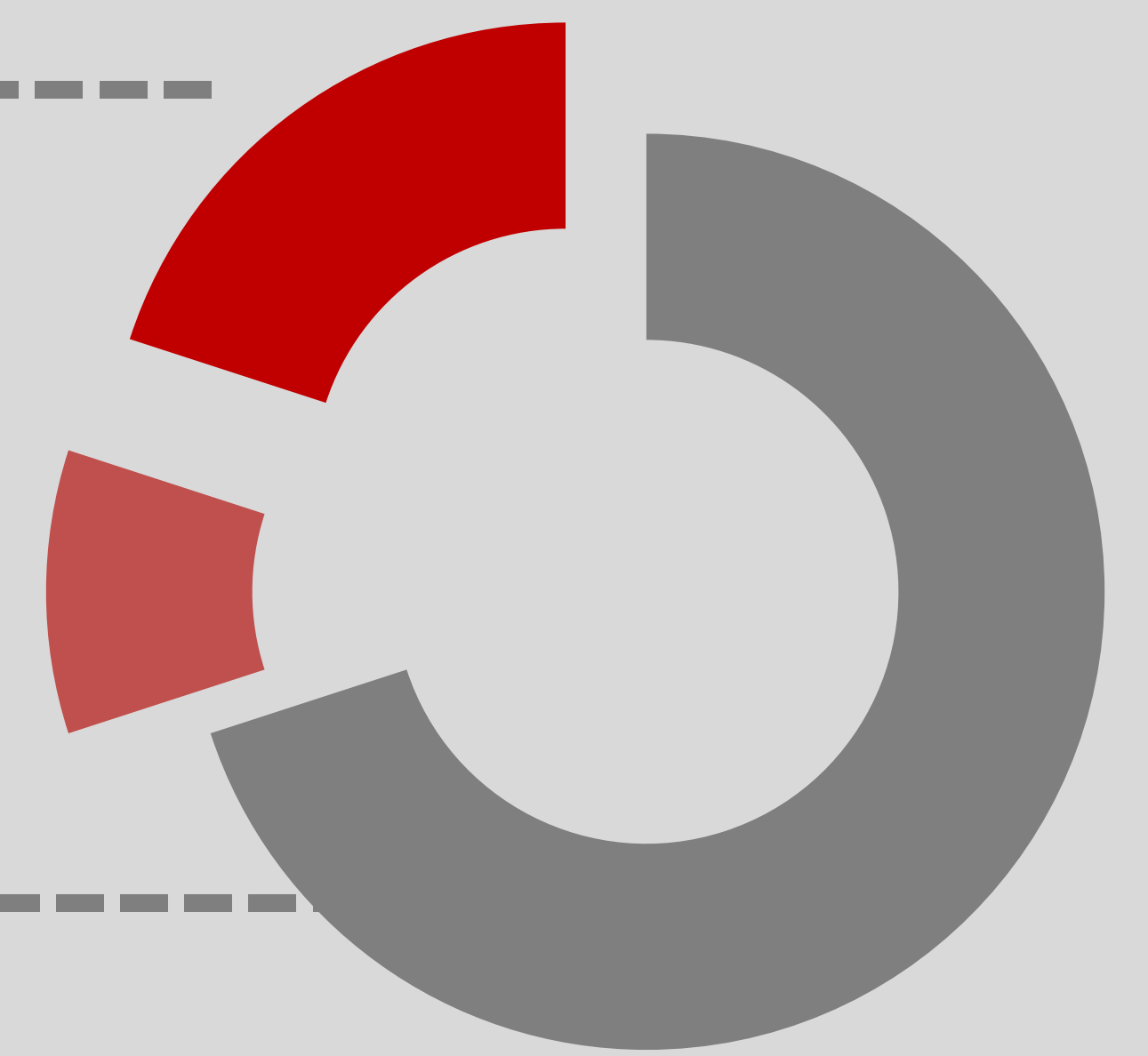
- Opening of 24 DAMS
- Clogged rivers
- Improper water shed management

SILT 20%

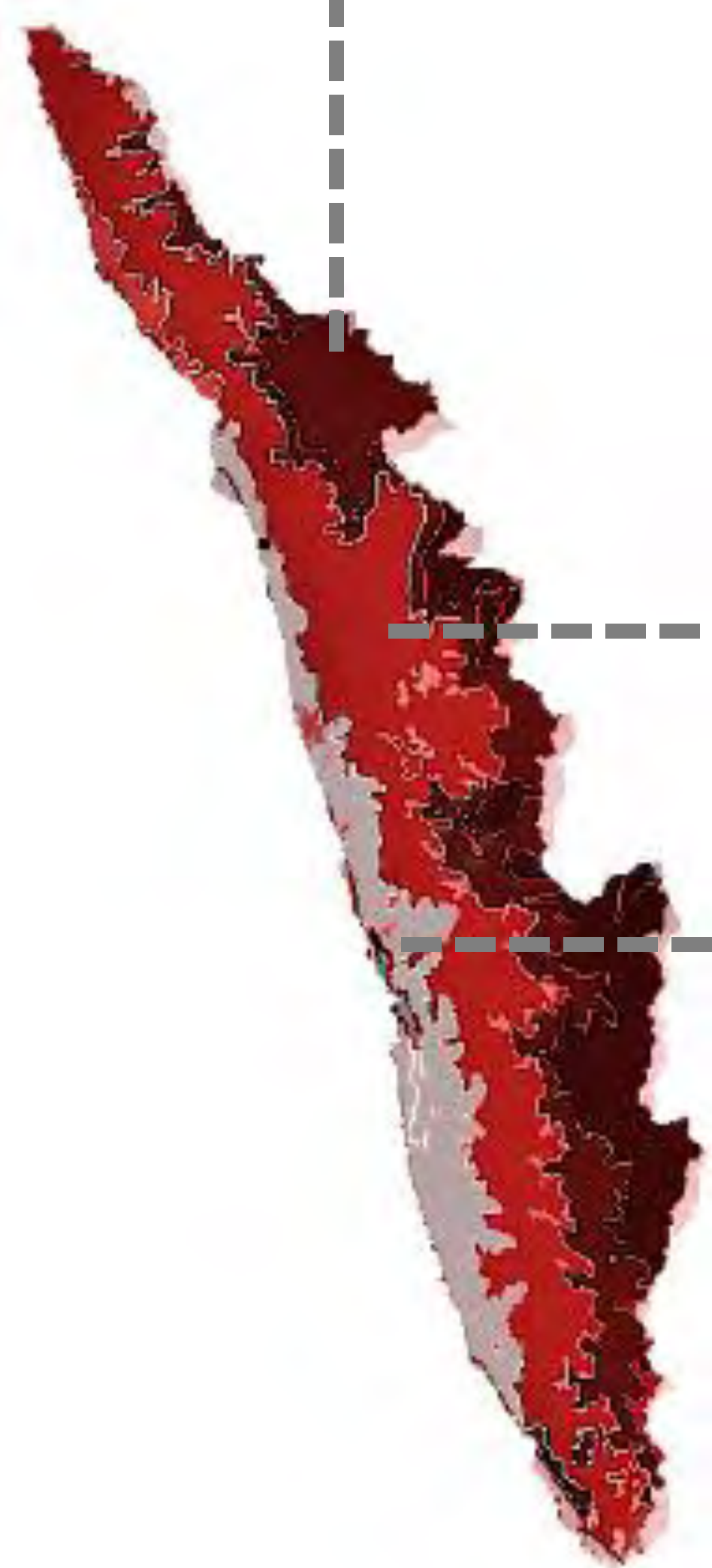
OTHER MATERIALS 10%

WATER 70%

DAM CAPACITY



WHAT



HIGH LAND

DREDGING THE DAMS WILL INCREASE THE CAPACITY OF DAMS BY ABOUT 30%

MIDDLE LAND

WIDENING THE WATERWAYS WILL DECREASE THE WATERFLOW AND INCREASE WATER RETENTION

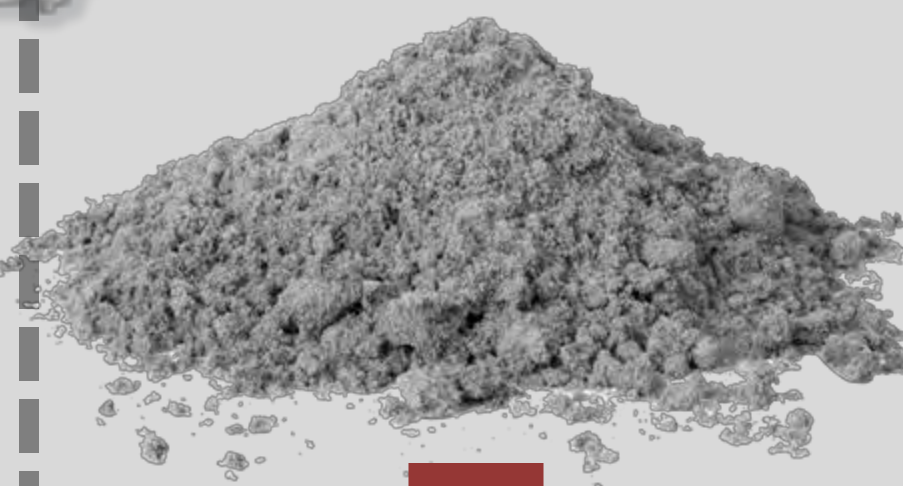
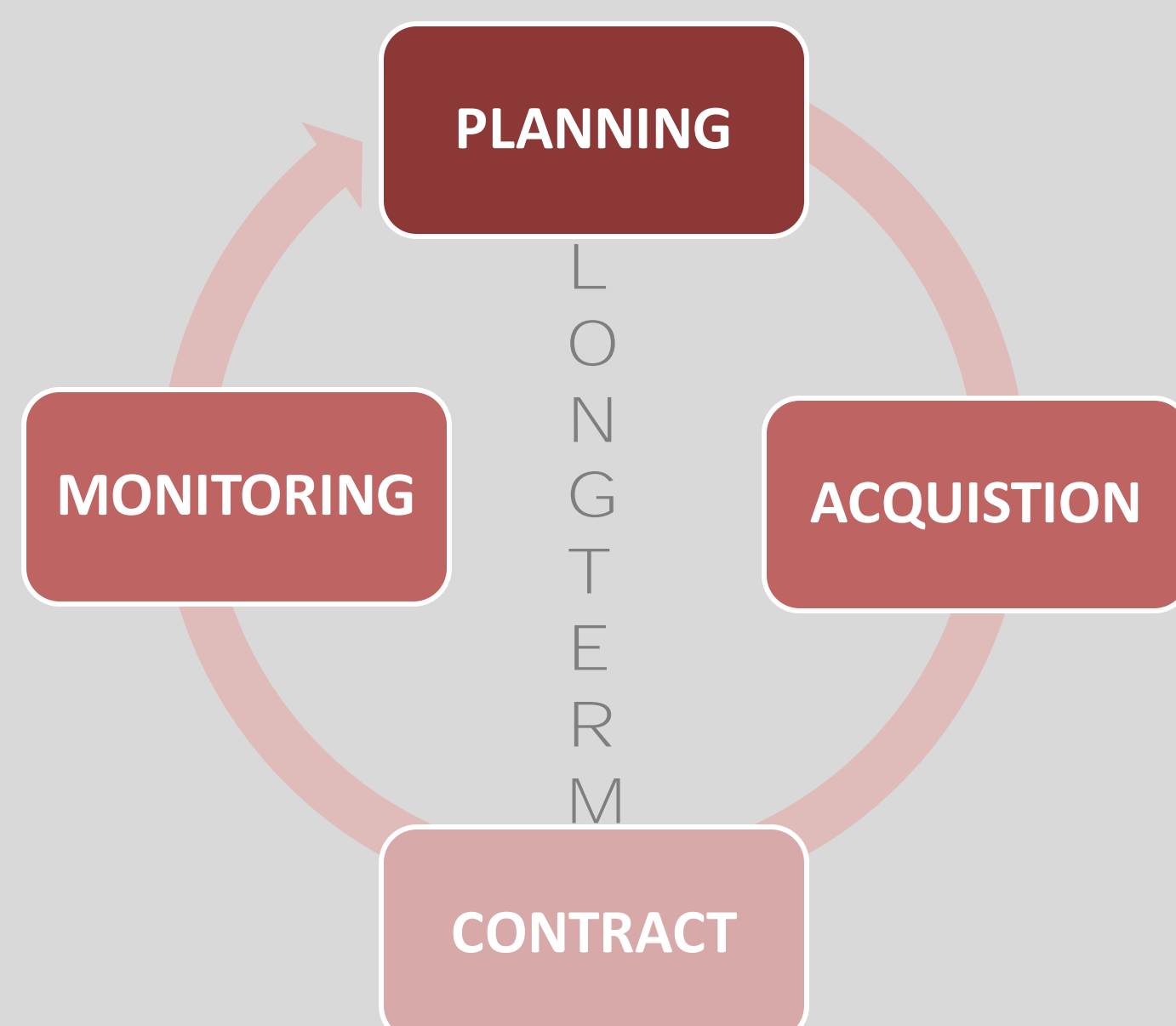
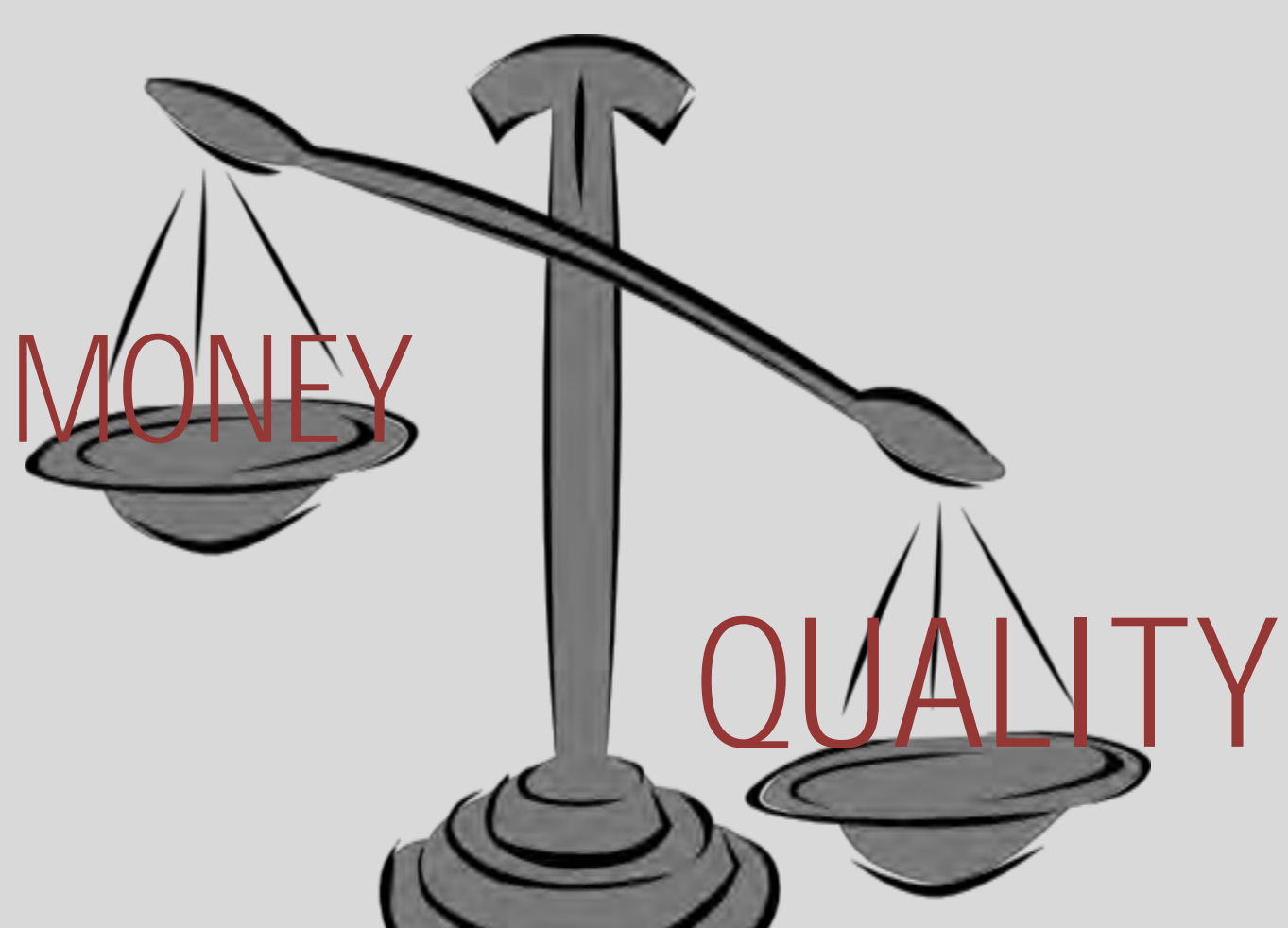
LOW LAND

DEEPENING THE SPILLWAYS WILL INCREASE THE OUT FLOW OF WATER FROM THESE REGIONS



HOW

PERFORMANCE BASED CONTRACT



FUNDING

- SILT CAN BE USED AS A FERTILISER IN FARM LANDS
- SAND IS A HIGH DEMAND BUILDING MATERIAL
- SAND CAN BE USED FOR LAND RECLAMATION

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