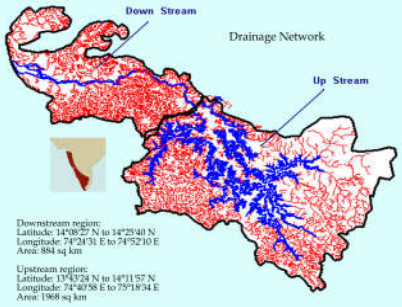
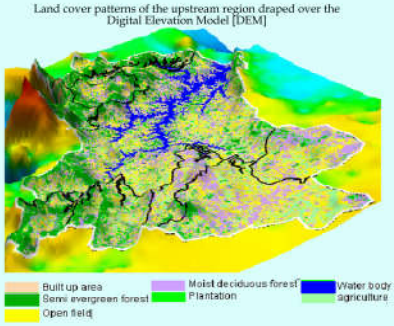
CUMULATIVE IMPACT ASSESSMENT
SHARAVATHI RIVER BASIN - WESTERN GHATS



Downstream region:
Latitude: 14°08'27" N to 14°29'40 N
Longitude: 74°24'31 E to 74°52'10 E
Area: 884 sq km

Upstream region:
Latitude: 13°43'24 N to 14°11'57 N
Longitude: 74°40'58 E to 75°18'34 E
Area: 1968 sq km

Land cover patterns of the upstream region draped over the Digital Elevation Model [DEM]



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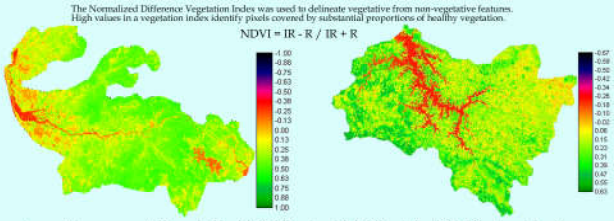
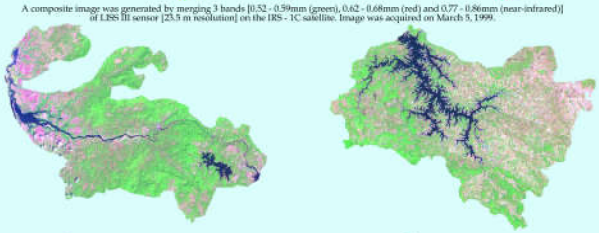
The Normalized Difference Vegetation Index was used to delineate vegetative from non-vegetative features. High values in a vegetation index identify pixels covered by substantial proportions of healthy vegetation.

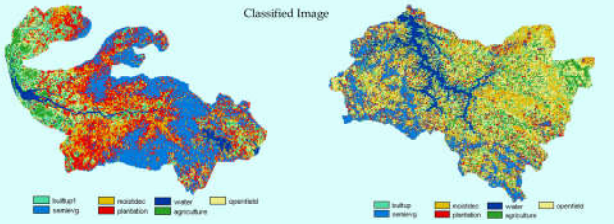
NDVI = IR - R / IR + R



A composite image was generated by merging 3 bands [0.52 - 0.59mm (green), 0.62 - 0.68mm (red) and 0.77 - 0.86mm (near-infrared)] of LISS III sensor [23.5 m resolution] on the IRS - 1C satellite. Image was acquired on March 5, 1999.



Classified Image



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