

## Final GIS Data Request Form 10/02

<i>Request Number</i>	<i>Resource Risk or Value</i>	<i>Information Needed</i>	<i>Data Source</i>	<i>Date Requested for Completion</i>
1	Road densities affect habitat quantity and quality for fish and wildlife, and water quality.	Miles of level 1-5 FS roads (by road #), all non-FS roads by ID # (County, State, private), and all utility corridors and railroad lines (by ID #) per square mile by subwatershed with total <b>by maintenance levels and other jurisdictions.</b>	Inftran01, Infsubs98	11/19/02 for all requests
1A	List of road #s where density is greater than 2 mi/sq. mile to field check effects on habitat/water quality and cumulative impact from other disturbances within the subwatershed.	Sort road and utility/RR data above (by #) where road/corridor density is less than or exceeds 2 mi/sq. mi. Indicate exact road densities/square mile by subwatershed to two decimal points.	Inftran01, Infsubs98 CFF 055, 117-122, 127-130, 187, 189-191	
2	To assess effects of roads within sensitive land allocations	Miles of level 1-5 FS roads (by road #) and all non-FS roads (County, State, private by ID #) within P, SPM, SPNM, RNA, SIA, CAR, RCA (within 300 feet of perennial streams) WSR, meadow land allocations <b>by maintenance level and other jurisdictions.</b>	Inftran01, Infmead98, Infsias98, Infrnas98, Infwsrr93, Infros98, Infstrm98	

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3	To assess effects of roads on habitat quantity and quality for wildlife. <b>Do you want this broken out by subwatershed as well?</b> Yes.	Miles of level 1-5 roads (by road #) by <b>subwatershed and cover type: forested, meadow, riparian, and non-forested/non-meadow (ie, barren, brush etc). Include acres by cover type by subwatershed.</b>	Inftran01, Calveg	
4	To assess location of DFPZs in relation to level 1-5 roads. Helps determine value of roads for accessing DFPZ areas for long-term maintenance of fuelbreaks and response time for fire suppression.	Miles of level 1-5 FS roads (by road #) in or within 300 feet of current and proposed DFPZs. <b>Coverage needs updating by RDs.</b>	Inftran01, Infdfpz99	
5	Potential for erosion/sedimentation from roads increases with higher slope classes.	Miles of level 1-5 FS roads (by road #) and all non-FS roads by ID # (County, State, private) by slope class by subwatershed.	Inftran01, DEMs	
6	Potential for erosion/sedimentation from roads increases based on soil sensitivity types.	Miles of level 1-5 FS roads (by road #) and all non-FS roads by ID # (County, State, private) by sensitivity of soil type to erosion by subwatershed.	Inftran01, Soil Resource Inventory (SRI)	

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7	Potential for erosion/sedimentation from roads increases based on # of stream crossings along a stream. Also affects habitat suitability for wildlife and aquatic species.	Number road crossings by perennial stream by subwatershed for level 1-5 FS roads (by road #) and all non-FS roads by ID # (County, State, private).	Inftran01, CFF 137, 147 Infstrm98	

Create 4 pivot tables with the following datasets:

**Table 1:** To assess road density by subwatershed.

Road ID #

FS Maintenance Level # (1-5)

Road Jurisdiction (FS, State, County, Private, Other or Unknown)

Utility Corridor ID

Type of Utility Corridor (cable, telephone, electric, gas, buried, overhead??)

Railroad Line ID

Subwatershed ID

Road Density (miles/sq. mile)

**Table 2:** To assess road/corridor effects w/in special areas by subwatershed.

Road ID #

FS Maintenance Level # (1-5)

Road Jurisdiction (FS, State, County, Private, Other or Unknown)

Utility Corridor ID

Type of Utility Corridor (cable, telephone, electric, gas, buried, overhead??)

Railroad Line ID

Subwatershed ID

Special Areas (P, SPNM, SPM, RNA, SIA, CAR, WSR, RCAs [w/in 300 ft. of perennial stream], meadows)

**Table 3:** To assess road-related soil and stream risks by subwatershed.

Road ID #

FS Maintenance Level # (1-5)

Road Jurisdiction (FS, State, County, Private, Other or Unknown)

Subwatershed ID

Slope Class

Soil Type

Streams

**Table 4:** To assess road values in proximity to current and planned DFPZs by subwatershed.

Road ID #

FS Maintenance Level # (1-5)

Road Jurisdiction (FS, State, County, Private, Other or Unknown)

Subwatershed ID

DFPZ ID