

Draft Project Plan
Forest Road GIS Data Coordination
North Central Landscape

Chad Skally
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The purpose of this project is for forest managers to share their forest road GIS data. Possible benefits of sharing forest road are listed below. Table 1 lists a rough project plan with dates, tasks, and responsibilities. Table 2 lists the forest road data that we are attempting to collect. Any forest manager with forest road GIS data is welcome to participate. The major participants would include the Chippewa National Forest, DNR, County Land Departments, and Forest Industry.

List of some benefits in a shared forest road GIS data layer:

- Planning tool for all aspects of forest management
- A way to evaluate road network impacts on the landscape
- A way to determine best access
 - economically
 - environmentally
- Determine access limitations
- Additional road needs
- Roads to be eliminated
- To develop cooperative use agreements
- Temporary closures
- Coordinated road use, limits, and timing of restrictions
- Land exchange/consideration
- Emergency access – Fire, 911

Table 1. Project Dates, Tasks, and Responsibilities

Start Date	Finish Date	Task	Persons Responsible
Mid March	March 15, 2001	Coordination Committee looks over project plan and data attributes.	Coordination Committee
March 15, 2001	April 15, 2001	Road Committees/MACLC/? look over project. Provide input into road attribute and contact names.	Committee Chairs
April 15, 2001	May 1, 2001	Contact GIS technicians. Get input on road attribute table structure.	FRC Staff
April 15, 2001	May 15, 2001	Convert/translate current GIS forest road data into the common forest road data structure.	GIS technicians from participating groups
May 15, 2001	June 15, 2001	Combine common forest road GIS data from each group into a draft GIS common forest road GIS layer.	FRC Staff
June 15, 2001	June 30, 2001	Provide data back to participating groups, and let them review it.	FRC Staff and participating groups
July 1, 2001	September 1, 2001	Convene committees to look over data and provide input on future steps.	Committee Chairs
August 15, 2001	October 31, 2001	Update road GIS layer and produce final GIS dataset.	FRC Staff and committees

Table 2. Road Attribute data being collected

Field	Codes	Description	Notes
Name	Alpha numeric string	Name used by agency (up to 20 characters)	
Number	Alpha numeric string	Number used by agency (up to 10 characters)	
season_of_use	A	All weather forest road	
	S	Dry summer forest road	
	W	Winter forest road(freeze down)	
Type	A	Arterial (MNDOT - local)	Thru road usually connects to Township, County, etc. road
	C	Collector (MNDOT - local)	Serves 1,001 or more acres
	L	Local (MNDOT - local)	Serves less than 1000 acres
Status	O	normally open	
	C	normally closed	
	I	Intermittently open	
	P	Permit Required	

Field	Codes	Description	Notes
Lanes	1	number of lanes	One lane = Less than 15 feet of driving surface
	1.5		1.5 lane = 16 - 19 feet of driving surface
	2		Two lane = More than 19 feet of driving surface
cleared_width	0	12 -18'	Average total width cleared of trees
	1	19 - 25'	
	2	26 - 50'	
	3	50 +	
accuracy	H	High	GPS, +/- 20 feet
	M	Medium	Digitized, +/- 80 feet
	L	Low	Esitmated from photo, +/- 150 feet
closure_method	G	Gate	
	B	Berm/Ditch	
	R	Rocks	
	N	Natural Vegetation	
	S	Sign/Barricade	
admin_code		Who administers, standard codes and names	Also known as jurisdiction. Who makes decisions on the road.
	1	Forest Service	
	2	DNR-Forestry	
	3	DNR-Wildlife	
	4	County Land Dept.	
	5	Blandin	
	6	Boise-Cascade	
	7	Potlatch	
	8	NIP	
	9	DNR-T&W	
	10	BLM	
admin_name		Who administers (names defined in admin_code)	Also known as jurisdiction. Who makes decisions on the road.
	Forest Service		

Field	Codes	Description	Notes
	DNR-Forestry		
	DNR-Wildlife		
	County Land Dept.		
	Blandin		
	Boise-Cascade		
	Potlatch		
	NIP	Non-Industrial Private	
	DNR-T&W		
	BLM		
admin2_code	Same as admin_code		Use this if there is coop working agreement.
admin3_code	Same as admin_code		Use this if there is coop working agreement.
source	Text	DNR, lake county, blandin, etc	