

Objective	Priority	Goals	Tasks	Start Date	End Date	Lead(s)	Key Participants	PRS Items Addressed	% Complete	Comments / Justification
SOILS										
Soils 1		Create Statewide Geomorphic Surface in GIS	Ensure consistency and document procedures beginning with soil surveys that are in progress.	7/11/2007	9/30/2008	Evans	All Area GIS Specialists, All MLRA SSPL, SDQS	1.00, 1.01, 1.02	20%	Task will continue beyond FY 08
Soils 2		DEMs	Acquire high-resolution DEMs for initial and update soil surveys	7/11/2007	9/30/2008	McCloskey	Evans, Steffen	1.00, 1.01, 1.02	20%	Contingent on funds made available. Task will continue beyond FY 08
Soils 3		Pilot LiDAR project	Pilot the use of LiDAR in Pine County. Will increase mapping production. Document all procedures so that the process may be used by others.	7/11/2007	9/30/2008	Evans	Baross, Johnson, NGDC, SDQS	1.00, 1.01, 1.02	5%	Task will continue beyond FY 08
Soils 4		Pilot LiDAR geospatial models	Pilot the use of geospatial models using LiDAR (e.g. SIE) in Pine County, which will increase mapping production and improve the quality of the soil survey. Document all procedures so that the process may be used by others.	7/11/2007	9/30/2008	Evans	Baross, Johnson, NGDC, SDQS	1.00, 1.01, 1.02	5%	Task will continue beyond FY 08
Soils 5		Support national study	Continue the use of high-end GIS equipment to support soil survey as part of the national study being coordinated by NGDC	7/11/2007	9/30/2008	Evans	Collins, NGDC	1.00, 1.01, 1.02	60%	Task will continue beyond FY 08
Soils 6		PDA pilots	Continue piloting the use of PDAs as part of the Crow Wing County soil survey in support of data collection. Document all procedures so that the process may be used by others.	7/11/2007	9/30/2008	Marken, Steffen	Rokus, Baross, Diers	1.00, 1.01, 1.02	80%	Task will continue beyond FY 08
Soils 7		Training and support	Provide training and support as needed to soil scientists to increase their KSAs of GIS and use of geospatial technologies (in person OTJ training and through Net Meetings); e.g., creating various pre-maps for use in the field when mapping.	7/11/2007	9/30/2008	Evans	All Area GIS Specialists,	1.00, 1.01, 1.02	90%	Task will continue beyond FY 08
Soils 8		Soils technology workshop	Conduct a soils technology workshop in late winter/spring of 2008	7/11/2007	9/30/2008	McCloskey, Evans, Steffen,	All Area GIS Specialists	1.00, 1.01, 1.02	0%	This workshop was to be held in FY 07; however, McCloskey offered to postpone it because of overall budget concerns. Bill stated that we can have it in FY 08
Soils 9		Write executive summaries	Summarize for MN Leadership; demonstrating the use of GIS in the soils program and how it results in achieving /surpassing PRS goals	7/11/2007	9/30/2008	McCloskey	support from Evans, Steffen, All Area GIS Specialists, All MLRA SSPL	1.00, 1.01, 1.02	50%	Task will continue beyond FY 08
Soils 10		Compile and maintain digital base materials	Compile and store datasets on geospatial workstations (e.g., orthophotos, DEMS, geomorphology layers)	7/11/2007	9/30/2008	Evans	Weick, Roy, Baross	1.00, 1.01, 1.02	80%	Task will continue beyond FY 08
Soils 11		Digitizing project	Complete the digitizing of the Red Lake Indian Reservation soil survey (digitizing by Stufen, support by others)	7/11/2007	9/30/2008	Evans	Stufen, Baltes, Roy,	1.00, 1.01, 1.02	50%	Should be completed in FY 07. Digitizing taking place on the Reservation is within the detached or scattered parcels, not the main Reservation
Soils 12		Provide ongoing quality control of SSURGO	Make corrections as needed and as time permits (e.g., create distribution maps of map units and investigate anomalies; correct and update SSURGO)	7/11/2007	9/30/2008	Steffen, Evans	All Area GIS Specialists, All Area SS, All MLRA SSPL	1.00, 1.01, 1.02	80%	Task will continue beyond FY 08

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Soils 13		Continue research on the use of new geospatial technologies	And share all information with appropriate staff. Provide training as appropriate.	7/11/2007	9/30/2008	Evans, Collins		1.00, 1.01, 1.02	80%	Task will continue beyond FY 08
Soils 14		Collaborate with NGDC, universities and select NRCS offices	Research use of digital soil mapping technologies and share all information with appropriate staff. Provide training as appropriate.	7/11/2007	9/30/2008	McCloskey, Evans, SDQS		1.00, 1.01, 1.02	80%	Task will continue beyond FY 08
Soils 15		MN High Resolution Elevation Committee; Governors Council	Serve as the NRCS representative on the Minnesota DEM Committee. Communicate meeting discussions/minutes with appropriate staff and make recommendations as deemed appropriate	7/11/2007	9/30/2008	Evans		1.00, 1.01, 1.02	80%	Task will continue beyond FY 08
Soils 16		Digitize Meadowlands	Digitize field sheets that have been mapped in the Meadowlands (St. Louis County) and continue as mapping progresses	7/11/2007	9/30/2008	Evans	Baross, Evans, South St. Louis County SSP	1.00, 1.01, 1.02	70%	Task will continue beyond FY 08
Soils 17		County Edits	Use GIS to update Fillmore County edits (manually compiled)	7/11/2007	9/30/2008	Roy	Steffen, Hartman	1.00, 1.01, 1.02	80%	Task will continue beyond FY 08
Soils 18		Update SSURGO	Use GIS to update Lyon County within geomorphic surfaces	10/1/2007	9/30/2008	Collins	Kristoff, Genrich	1.00, 1.01, 1.02	60%	Task will continue beyond FY 08
Soils 19		Update SSURGO	Use GIS to update Murray County within geomorphic surfaces	7/11/2007	9/30/2008	Collins	Kristoff, Genrich	1.00, 1.01, 1.02	60%	Task will continue beyond FY 08
Soils 20		Update SSURGO	Use GIS to update Wabasha County	7/11/2007	9/30/2008	Roy	Hartman	1.00, 1.01, 1.02	70%	Task will continue beyond FY 08
Soils 21		Update SSURGO	Use GIS to update Cottonwood County	7/11/2007	9/30/2008	Collins	Jackson, Weick	1.00, 1.01, 1.02	70%	Task will continue beyond FY 08
Soils 22		Pedon	Capture additional soils data in GIS with Pedon and Lab data. Document procedures. QC entry. Make a spatial layer.	7/11/2007	9/30/2008	Kristoff, Collins, Evans	All Area GIS Specialists	1.00, 1.01, 1.02	10%	Start with SW SS - LacQuiParle and Lyon; Task will continue beyond FY 08
Soils 23		WAE funds	Secure WAE funds for entering PEDON and other data	7/11/2007	9/30/2008	McCloskey		1.00, 1.01, 1.02	0%	Task will continue beyond FY 08
Soils 24		MLRA updates	MLRA update with Kittson, Roseau and Marshall County	7/11/2007	9/30/2008	Baltes, Potts, Evans, Steffen		1.00, 1.01, 1.02	90%	Task will continue beyond FY 08
Soils 25		Update SSURGO	Granite Falls geomorphic surface update	7/11/2007	9/30/2008	Miller		1.00, 1.01, 1.02	30%	Task will continue beyond FY 08
Soils 26		Sensitive soils	Nutrient management sensitive soils	7/11/2007	9/30/2008	Steffen, St. Ores	Evans	1.00, 1.01, 1.02	20%	Task will continue beyond FY 08
Soils 27		SSURGO	Maintain, update and correct existing SSURGO.	7/11/2007	9/30/2008	Evans, Steffen	All Area GIS Specialists, MLRA Coordinators	1.00, 1.01, 1.02	20%	Task will continue beyond FY 08
Soils 28		Manage data	Manage SSURGO data on service center servers	7/11/2007	9/30/2008	All Area GIS Specialists		1.00, 1.01, 1.02	100%	Task will continue beyond FY 08
Soils 29		Equipment	Actively pursue purchasing a ruggedized tablet for all soil scientists	7/11/2007	9/30/2008	McCloskey		1.00, 1.01, 1.02	10%	Task will continue beyond FY 08

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A. Communication										
		1. Bi-Annual Face-to-Face meetings	To strategize GIS and how it can better serve mission in MN; · Invite other disciplines as appropriate · Record Minutes and distribute to Leadership Team	7/17/2007	9/30/2008	Kritzky	NRCS GIS Committee	All	Ongoing	Jul 2007 and Jan 2008
		2. Bi-Annual Telecons	Discuss how GIS helps meet PRS Goals · Record Minutes and distribute to Leadership Team	7/17/2007	9/30/2008	NRCS GIS Committee Kritzky		All	Ongoing	Oct 2007 and Apr 2008
		3. Annual update of GIS Business Plan	Review, edit, maintain as necessary at a face-to-face meeting · Send comments / completion items to appropriate State GIS Specialist for update of document	7/17/2007	9/30/2008	NRCS GIS Committee Kritzky, Evans		All	Ongoing	
		4. Monthly GIS Specialists Telecons	To share GIS information; address issues / concerns	7/17/2007	9/30/2008	Kritzky		All	Ongoing	All GIS Specialists; 1st Tues of each month; 8:30 – 10:30
		5. Annual Area Face-to-Face Meetings	State GIS Specialists will meet annually with each Area GIS Specialist (in their area) to discuss needs and concerns	7/17/2007	9/30/2008	Kritzky, Evans		All	Ongoing	
		6. Communication with area / field GIS Users	Maintain list of questions, ideas, requests, related to GIS 1) Bring lists to Monthly GIS Spec Telecons 2) Compile and maintain list	7/17/2007	9/30/2008	All GIS Specialists Kritzky, Evans		All	Ongoing	Disciplines bring in questions / ideas from their specialties
		7. Visit Field Office	Face-to-face Visit with DCs, etc., to determine their needs / concerns	6/1/2008	9/30/2008	All Area GIS Specialists		All	Ongoing	Ongoing
		8. GIS Communication between Disciplines	Include a GIS Specialist on Agenda (when possible) of Specialist's mtgs. 1) Identify when these meetings occur and who can attend; 2) Report notes back to monthly GIS Specialist Telecon	7/17/2007	9/30/2008	All GIS Specialists		All		Ongoing; Examples of disciplines include: Soils, Wetlands, ARCs, Engrs, ITS
		9. State GIS Website	Update to incorporate the following: 1. Maintain / Update / Post: - all training documents, tools, FAQ - Create Map Gallery showing status maps / maps showing \$\$ spent, practice	7/17/2007	9/30/2008	Kritzky		All	Ongoing	e.g., Status of Soils, Slide scanning, LiDAR, Specialists' areas, FIPS maps
		10. Local Users Groups	GIS Specialists participation in any GIS users group specific to their area - Report notes back to monthly GIS Specialists telecon	7/17/2007	9/30/2008	All GIS Specialists		All	Ongoing	
		11. Conservation Planning	Streamline process to develop innovative ways of reporting in the field using GIS	7/17/2007	9/30/2008	ARCs, ECS Staff,	All GIS Specialists	All	Ongoing	Not sure what this item was suppose to be could someone clarify this. Don't think this is specific enough

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B. Training for General GIS Users										
		1. Toolkit	As SP4 becomes available, be prepared to review and develop training · Train new users in Toolkit · Provide refresher training for current employees	7/17/2007	9/30/2008	Pagerler Area GIS Specialists		All	Ongoing	
		2. Training Document	Create a document listing the various types of training available 1) Update current training documentation to reflect current software 2) Post to GIS Website	7/17/2007	9/30/2008	Kritzky, Evans Kritzky		All	Ongoing	
		3. GIS Certification (Bulletin)	1) Identify list of essential skills for non-Toolkit Users 2) Identify list of essential skills for Toolkit Users 3) Create Bulletin	7/17/2007	9/30/2008	Kritzky, Evans, Pagerler, Kritzky Kritzky	Area GIS Specialists Area GIS Specialists	All		
		4. ArcGIS Training	<u>State Office</u> : Train new users; Provide refresher training as needed <u>Area / Field Offices</u> - Train new users; Provide refresher training as needed	7/17/2007	9/30/2008	Kritzky, Evans Area GIS Spec.		All	Ongoing	
		5. GPS Training (Bulletin)	1) Create a list of essential skills required; Cheat Sheet 2) Create State Bulletin 3) Train new users; Provide refresher training for current employees	7/17/2007	9/30/2008	Area GIS Specialists Kritzky Area GIS Spec.		All	Ongoing	
		6. Web Soil Survey / Soil Data Viewer	Provide assistance and training to field staff	7/17/2007	9/30/2008	Area Soils and GIS Specialists		All	Ongoing	
		7. ESRI Virtual Campus	Opportunity to update GIS Skills via online, train at your own speed modules.	7/17/2007	9/30/2008	All GIS Specialists		All	Ongoing	

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C. GIS Specialists Training										
	2	1. Python	Bring in ESRI Authorized Instructor to teach the 5 day course	7/17/2007	9/30/2008	All GIS Specialists		All		Programming allows GIS Spec. to create new tools, customize for easier GIS usage by field staff.
		2. ArcGIS 9.2	Training provided by Virtual Campus · Online Seminars / Workshops · Check out local colleges / user groups	7/17/2007	9/30/2008	All GIS Specialists		All	Ongoing	No \$\$ associated with this type of training.
		3. ModelBuilder 9.2	Create training for ModelBuilder · ESRI Virtual Campus · Instructional Guides	7/17/2007	12/31/2007	Kritzky		All		Also includes other sources of free to low cost learning
	1	4. ESRI Int'l Conf	1) Attend annually, Conference / Workshops · Incl attend USDA mtgs	7/17/2007	9/30/2008	Kritzky, Evans		All	Ongoing	
			2) Establish Rotation Cycle for Area GIS Specialists	7/17/2007	9/30/2008	Flynn, McCloskey, ASCTs				
	1	5. MnGIS/LIS Conf	Continue to support annual participation in this local Conference	7/17/2007	9/30/2008	All GIS Specialists		All	Ongoing	
		6. NCGC	Determine opportunities for USDA specific GIS training. · Keep staff aware of new training opportunities	7/17/2007	9/30/2008	All GIS Specialists		All	Ongoing	Current potential classes: e.g., Spatial Analyst, ArcPad
		7. ESRI Virtual Campus	Opportunity to update GIS Skills. · Keep staff aware of new training opportunities	7/17/2007	9/30/2008	All GIS Specialists		All	Ongoing	No \$\$ associated with this type of training.
		8. Local Users Group Training Opportunities	GIS Specialists participation in GIS users group specific to their area	7/17/2007	9/30/2008	All GIS Specialists		All		Little to no \$\$ associated with this type of training.
D. Tools										
		1. Wetland Determination GIS Tool	Continued support and maintenance of this tool; update to version 9.2	7/17/2007	9/30/2008	Roy, Cavanaugh		Facilitates planning process		Get suggestions for improvement / enhancement from biologists and other users
		2. Create Slide Scanning Viewer	To aid in viewing slides in GIS projects	7/17/2007	9/30/2007	Kritzky, Baross	Area GIS Specialists	Facilitates planning process	100%	Project and methodology pushed out to all Area GIS Specialists.
		3. Map Books 9.2	Research new version Create Applications, e.g., · Forage Suitability · Sensitive Soils, · Section Maps, · Soil Maps, · NRI, · Natural Heritage, · Sensitive Waters, etc.	7/17/2007	9/30/2008	Kritzky All GIS Specialists		0.1, 0.2, 2.11	Ongoing	Specialized projects created to allow easier access to GIS data for field and area office staff.
		4. Create Slope Estimator with hydrologic groups (Model)	Tool development for engineering that allows doing repetitive tasks	7/17/2007	9/30/2008	Roy, Marken, Baltes		.10 .20, 2.10, 2.11		used by Engineering personnel
		5. Research Program Scoring Tool	For ranking fields (e.g., Kansas Tool for EQIP using AV 3.3) · Explore and research viability of how to use in MN	7/17/2007	9/30/2008	Honeman, Pageler, Program staff		.10, 3.20,		Present research results to State EQIP Program Manager for consideration

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E. Equipment										
		1. Geospatial Workstations / Dual Monitors	Recommend computer purchases keep up with the technology	7/17/2007	8/24/2007	All GIS Specialists		Facilitates planning process	100%	Workstations and Portable Hard Drives have been ordered.
		2. Large Portable Hard Drives (500 Gig min.)	To store Area and Field Office FSA Slides, historic and conservation photos, used in marketing	7/17/2007	8/24/2007	All GIS Specialists		Facilitates planning process	100%	Need for each Area and Field Office; larger size hard drives needed for specialists needing access to multiple counties.
		3. Inventory	Inventory of all equipment; needs and recommendations · include PDAs, · ruggedized tablets,	7/17/2007	9/30/2008	Kritzky, Evans, ITS		Facilitates planning process		To help determine Area needs; inventory will occur AFTER receipt of all new hardware in year-end purchase.
F. Data										
		1. "f:\Geodata "	Continued maintenance of geodata folder structure; replacement and pushing out of data; identify needed new or derived datasets	7/17/2007	9/30/2008	Kritzky	All GIS Specialists	Facilitates planning process	Ongoing	
		2. "f:\geodata" Permissions	Read/Write permissions across area boundaries for Area GIS Specialists; to backup each other	7/17/2007	9/30/2008	Kritzky		Facilitates planning process	100%	
		3. Map Document Templates	Create template file consistent statewide	7/17/2007	9/30/2008	Kritzky	All GIS Specialists	Facilitates planning process		
		4. .lyr Files	Standardize symbology; statewide	7/17/2007	9/30/2008	Kritzky	All GIS Specialists	Facilitates planning process		
		5. Maps for Map Gallery	Creates maps showing \$\$ spent, practice type, etc., (itemize)	7/17/2007	9/30/2008	Area GIS Specialists			All	to reflect PRS accomplishments
		6. Soils Derived Data	Develop Cheat Sheet of GIS methodology (creation and use) · Sensitive Soils; · HEL · HEL Policy; concerning when HEL can be used in determinations · Hydric Soils	7/17/2007	9/30/2008	Evans, Steffen Flynn	State Staff, Arcs, ARSSs, Area GIS Specialists	2.11, 2.12, 2.10 2.11, 2.12, 2.10 0.1, 1.1, 3.1, 3.2 0.1, 2.2, 3.2, 3.3		
		7. Purchase LiDAR Data	Partner for acquisition from counties	7/17/2007	As Needed	Evans	State Soils Staff, Area GIS Specialists	0.10, 0.20,	ongoing	e.g., Goodhue Cty; form partnerships
		8. Protected Data	FOIA, private and sensitive data	7/17/2007	9/30/2008	ALL		Facilitates planning process	ongoing	e.g., CLU, T&E, Producer names, etc.

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G. Partner										
		1. County Watershed plans via SWCD	Provide mapping components for their plans; some training to their staff	7/17/2007	9/30/2008	Area GIS Specialists		0.10, 0.20,	Ongoing	
		2. State / National Committes or Teams	Serve on various GIS-related committees or teams	7/17/2007	9/30/2008	Kritzky		Facilitates planning process	Ongoing	Geodata Management Team, Governor's Council on Geographic Information
H. Projects										
		1. Resource Inventory Tool	Ecological Site Description; Pilot in MLRA 105,	7/17/2007	9/30/2008	Flynn,		0.10, 3.10,		(Vegetative mapping initiative), from Plants database
		2. RWA	Update of datasets used in Profile · Create ArcIMS Website	7/17/2007	9/30/2008	Beckwith Kritzky		0.20,	Facilitates planning process	
		3. Sensitive Waters	Update statewide project			St. Ores, Kritzky				determine if project can be combined with Sensitive Soils Projec (See Soils #26).
		4. Living Snow Fence Priorities	Manage Project; · Obtain data from MnDOT	7/17/2007	9/30/2008	Flynn, Kopp Kritzky		1.10,		
		5. Stewardship Plans	Manage Project; · Obtain data from MnDNR	7/17/2007	9/30/2008	Flynn, Kopp Kritzky		1.10,		
		6. Wetlands Digitization Pilot	Wilkin county	7/17/2007	9/30/2008	Flynn, Ayres, Marken				(to COE?)
		7. Water Recharge Areas	MnDept of Health	7/17/2007	9/30/2008	Jeff St Ores, Kritzky		2.1,		Part of the Sensitive Waters project
		8. CRA	Guidesheets by Landuse; show how to tie to RWA	7/17/2007	9/30/2008	Flynn, Martinek, Kritzky		0.10,		
		9. ArcSDE Pilot(s)	Create pilot projects to store statewide datasets: · Wetlands · Geomorphology	7/17/2007	9/30/2008	Kritzky		Facilitates planning process		To move GIS into the future: Create statewide layer, Check in / Check out
		10. ArcIMS Pilot(s)	Investigate feasibility of web-based projects. Potential projects include: · Sensitive Waters · NHD	7/17/2007	9/30/2008	Kritzky	Jeff St Oars, Mark Oja	Facilitates planning process		To move GIS into the future: Ability to access projects online rather than through using Desktop ArcGIS
Projects are driven by program need; consequently, may be hard to prioritize within this document.										