

Environment and Natural Resources Trust Fund (ENRTF) M.L. 2019 ENRTF Work Plan (Main Document)

Today's Date: August 23, 2018

Date of Next Status Update Report: April 1, 2020

Date of Work Plan Approval:

Project Completion Date: June 30, 2022

Does this submission include an amendment request? N

PROJECT TITLE: DNR Scientific and Natural areas

Project Manager: Judy Schulte

Organization: MN DNR- Scientific and Natural Areas Program

College/Department/Division: Division of Ecological & Water Resources

Mailing Address: 1241 East Bridge Street

City/State/Zip Code: Redwood Falls, MN 56283

Telephone Number: (507) 637-6016

Email Address: judy.schulte@state.mn.us

Web Address: mndnr.gov/snas

Location: Statewide

Total Project Budget: \$3,500,000

Amount Spent: \$0
Balance: \$3,500,000

Legal Citation: M.L. 2019, Chp. xx, Sec. xx, Subd. xx

Appropriation Language:

Page 1 of 10 10/26/2018 Subd. 09a - DRAFT

I. PROJECT STATEMENT:

The unique and vital role of state Scientific and Natural Areas (SNAs) will be increased through wildlife habitat restoration and enhancement (prescribed burn, invasive control, etc.), increased public involvement, and strategic acquisition. About 500 acres of native habitat restoration, enhancement, and site improvement activities will be targeted at SNAs threatened by human impacts, invasive species, and lack of natural disturbance regimes and to provide nature-based recreation. In cooperation with Conservation Corp of Minnesota (CCM), outreach and citizen science actions will result in public participation at 70 SNA events and a network of volunteer site stewards at 130 SNAs. About 300 acres will be acquired from willing sellers and designated as SNAs in order to strategically protect at risk native plant communities and wildlife habitat of state significance identified by the Minnesota Biological Survey (MBS) and the updated SNA Strategic Land Protection Plan.

II. OVERALL PROJECT STATUS UPDATES:

First Update April 1, 2020

Second Update November 1, 2021

Third Update April 1, 2021

Fourth Update November 1, 2022

Fifth Update April 1, 2022

Final Report between project end (June 30) and August 15, 2022

III. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1 Title: Native Habitat Restoration, Enhancements and Improvements on 500 acres

Description: Native habitat restoration and site improvement activities will be completed on about 500 acres at about 25 SNAs as guided by ecological data and monitoring. Management plans will be completed for about 7 SNAs (including sites acquired through these funds). About 35 SNAs will be monitored to improve management of habitat for rare be compliance monitored. Work will begin to create a strategic long-term ecological monitoring plan. Interpretive signs-kiosks will be developed and installed at about 5 SNAs. SNA staff will provide ecological/technical guidance and on-site verification for 5 projects implemented by partners on SNAs. Restoration and improvement activities will be carried out by DNR staff, CCM, Sentence to Service, volunteers, and/or contractors. Activities include seed collection, site preparation, planting and aftercare, invasive species control and removal, site clean-up, signing, interpretive kiosks, fencing, prescribed burns (or alternative prescribed disturbance, such prescribed haying, mowing or grazing, necessary where use of fire is limited), management plan preparation, monitoring, and coordination-oversight of projects implemented by partners. This activity includes work to bring acquired parcels up to DNR's minimum standards and includes restoration and improvements of acquired sites if ecologically advisable and feasible within the appropriation period.

ACTIVITY 1 ENRTF BUDGET: \$1,083,418

Outcome	Completion Date
1. ~10 acres of restoration of forest, prairie, & outcrop sites	06/30/2022
2. ~260 acres of woody removal & invasive species treatment	06/30/2022
3. ~230 acres of prescribed burns	06/30/2022
4. ~5 SNA interpretive kiosks installed AND development work on ~10 sites	06/30/2022
2	

5. ecological/technical guidance for ~5 partnership projects	06/30/2022
6. management plans completed for ~7 SNAs	06/30/2022
7. adaptive management, ecological & conservation easement monitoring on ~35 SNAs	06/30/2022

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ACTIVITY 2 Title: Public Engagement, Outreach & Citizen Science in Natural Areas

Description: More Minnesotans will be involved in volunteer habitat conservation and education activities on SNAs and in the conservation of other key natural areas. A team consisting of CCM individual placements, SNA field naturalists, an outreach coordinator and a part-time site steward coordinator made possible through this funding will: sustain a network of 130 SNA volunteer site stewards who help care for SNAs and organize about 70 events focusing volunteer work days, recreation-educational events (guided nature hikes, etc.), and citizen science monitoring and bio-blitzes. New and refined electronic/social media communications tools, maps and interpretive information will be developed and disseminated to advance the public's understanding of Minnesota's wild places and biodiversity and to enhance nature-based recreational use of SNAs. Natural Area Registry agreements may be established on sites of high biodiversity significance to promote conservation of natural areas owned by others.

ACTIVITY 2 ENRTF BUDGET: \$475,851

Outcome	Completion Date
1. SNA website, e-book, social media, maps & other interpretive info	06/30/2022
2. ~ 70 citizen science & volunteer events (management work days & ed. events)	06/30/2022
3. network of volunteer site stewards at ~130 SNAs	06/30/2022

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ACTIVITY 3 Title: Strategic Acquisition of Sites with Biodiversity Significance - 300 acres

Description: Acquisition and designation of about 300 acres as state SNAs will protect and buffer the most important MBS-recommended sites of biodiversity significance with landowners willing to sell. Proactive landowner contacts will be targeted in 8 high priority opportunity areas identified in the SNA Strategic Plan,

including prairie core areas in the Minnesota Prairie Conservation Plan. In order to be acquired and designated as SNA, the site must be recommended for SNA designation in an Ecological Evaluation report which serves as the site's baseline assessment for fee acquisitions. Candidate sites are numerically evaluated with priority to MBS-mapped biodiversity significance sites that are predominantly MBS-mapped native plant communities with habitat for rare species and Species in Greatest Conservation Need. The attached map and acquisition list identifies priority projects for this appropriation. The DNR may request to add other qualifying sites to the list. Most acquisition will be of fee title, but if more appropriate, acquisition could be a SNA-administered conservation easement with SNA designation. New to the parcel list, is the addition of specific sites currently protected via permanent conservation easements that fall into SNA's Strategic Protection Plan. The rare features and unique plant communities on these sites would greatly benefit from the protection and management opportunities provided by SNA and would add great value to SNA goals and mission. If acquired, an appraisal would be utilized to find the fair market value of the land including current encumbrances such as conservation easements. New MBS and other scientific data will be incorporated into the SNA Strategic Plan GIS maps to continue refinement and increase strategic prioritization of SNA acquisitions.

ACTIVITY 3 ENRTF BUDGET: \$1,940,731

Outcome	Completion Date
1. acquisition as SNA of ~300 acres of high quality habitat	06/30/2022

First Update April 1, 2020

Second Update November 1, 2021

Third Update April 1, 2021

Fourth Update November 1, 2022

Fifth Update April 1, 2022

Final Report between project end (June 30) and August 15, 2022

IV. DISSEMINATION:

Description: Dissemination will primarily be achieved through the SNA webpage on the DNR website: mndnr.gov/snas, through the SNA Facebook page, and through Nature Notes – the SNA Program e-newsletter distributed through GovDelivery.com to subscribers and possibly through Tweets on the DNR Twitter site. Specifically, the DNR website will be updated with information on the new or expanded SNAs. Announcements of the acquisitions and some enhancement-related activities will be posted on the SNA/DNR Facebook page.

The Minnesota Environment and Natural Resources Trust Fund (ENRTF) will be acknowledged through use of the trust fund logo or attribution language on project print and electronic media, publications, signage, and other communications per the ENRTF Acknowledgement Guidelines.

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V. ADDITIONAL BUDGET INFORMATION:

A. Personnel and Capital Expenditures

Explanation of Capital Expenditures Greater Than \$5,000: N/A

Explanation of Use of Classified Staff: Consistent with approved work plans for previous ENRTF appropriations for the SNA Program, this funding will be used to pay project-associated costs for classified and unclassified staff paid mostly with special project funds. These positions would not exist, but for special project funding received through the ENRTF and other funds. Each year these positions are assigned work based on the particular combination of soft funding available to address priority SNA Program activities.

Direct and Necessary expenses are for Department Support Services (Human Resources, IT Support, Safety, Financial Support, Communications Support, Planning Support, and Procurement Support. Department Support Services are described in the agency Service Level Agreement, and billed internally to divisions based on rates that have been developed for each area of service. These services are directly related to and necessary for the appropriation. Department leadership services (Commissioner's Office and Regional Directors) are not assessed. Those elements of individual projects that put little or no demand on support services such as large single-source contracts, land acquisitions, and funds that are passed-thru to other entities are not assessed Direct and Necessary costs for those activities. For this work plan, landowner payments (~\$1,685,000), acquisition professional services (\$130,000), and CCM contracts (~\$101,000) have not been assessed Direct and Necessary costs. In addition to itemized costs captured in the proposal budget, direct and necessary costs cover HR/People Support (\$23,935), Safety Support (\$4,958), Financial Support (\$18,768), Communication Support (\$6,256), IT Support (\$54,209), and Planning Support (\$5,294) that are necessary to accomplishing funded programs/projects.

Total Number of Full-time Equivalents (FTE) Directly Funded with this ENRTF Appropriation:

Enter Total Estimated Personnel Hours for entire	Divide total personnel hours by 2,080 hours in 1 yr
duration of project: 33,696 hours	= TOTAL FTE:16.2

Total Number of Full-time Equivalents (FTE) Estimated to Be Funded through Contracts with this ENRTF Appropriation: How many employees a future contractor will use, the hours they will work, or what salary they may pay their employees is not known. What is known is that a full-time CCM individual placement will be hired for one year (or half-time for 2 years) and \$161,950 in contracts will be executed. If approximately 75% of the contracted dollars go towards employees at the same average cost of DNR staff working on this project, below would be a rough estimate of FTEs. This estimate includes the CCM individual placement.

Enter Total Estimated Contract Personnel Hours for	Divide total contract hours by 2,080 hours in 1 yr =
entire duration of project: 5,804 hours	TOTAL FTE:2.8

VI. PROJECT PARTNERS:

A. Partners outside of project manager's organization receiving ENRTF funding- N/A

B. Partners outside of project manager's organization NOT receiving ENRTF funding

This proposal includes funding for SNA work towards partnership project work on SNAs. Partners include entities, such as The Nature Conservancy, Friends of the Mississippi River, Great River Greening, Sugarloaf Northshore Stewardship Assn., local units of governments, and other non-profits.

VII. LONG-TERM- IMPLEMENTATION AND FUNDING:

Without SNA conservation actions, habitats for rare species, and sites of high biodiversity significance are likely to be lost forever. The SNA Strategic Land Protection Plan (of 2014) helps us target our acquisition efforts (on existing public land or through acquisition) to get the best ecological value for every dollar spent. Achieving SNA habitat management, public engagement, and acquisition goals depends upon ongoing support from the Environment and Natural Resources Trust fund of \$5M to \$10M per biennium. Annual/biennial appropriations will also be sought from the Outdoor Heritage Fund and state bonding.

VIII. REPORTING REQUIREMENTS:

- Project status update reports will be submitted April 1 and November 1 each year of the project
- A final report and associated products will be submitted between June 30 and August 15, 2022

IX. SEE ADDITIONAL WORK PLAN COMPONENTS:

- A. Budget Spreadsheet
- **B. Visual Component or Map**
- C. Parcel List Spreadsheet
- D. Acquisition, Easements, and Restoration Requirements
- E. Research Addendum

Attachment A:

Environment and Natural Resources Trust Fund

M.L. 2019 Budget Spreadsheet

Legal Citation:

Project Manager: Judy Schulte

Project Title: DNR Scientific and Natural Areas

Organization: MN DNR- Scientific and Natural Areas Program

Project Budget: \$3,500,000

Project Length and Completion Date: 3 Years, June 30, 2020

Today's Date: August 23, 2018



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Coordinators & Planner (1.78 FTE for 2-yrs) Specialists, Technicians, & Naturalists (4.67 FTE for 2-yrs) Laborers & Seasonal Field Crews (1.65 FTE for 2-yrs) Professional/Technical/Service Contracts-priority given to CCM; contractors to be selected following state procurement & bidding processes Professional/Technical Contracts Activity 1-6:adaptive management plan writing (~\$18,000) Activity 2-1: CCM individual placement (.5 FTE for 2 yrs = 1.0 FTE total) (\$38,000) Activity 2-2: contracted volunteer events (~\$5,000) Service Contracts Activity 1-2: woody encroachment removal & invasives treatment (~\$108,950) Activity 1-3: prescribed burning, haying, mowing, browsing or grazing (~20,000) Activity 1-4: site development (fences, signs, etc) (~\$10,000) Equipment/Tools/Supplies Activity 1: parts, tools, repair costs & supplies for restoration, invasives treatment, prescribed burning, etc (this is largely for SNA tools, such as chain saws, pump cans, drip torches, fire racks, pulaskis, other handtools, backpack sprayers, portable pumps & hose, personal protective equipment, etc, & supplies such as herbicides, spreading oils, flagging, stakes, etc) (~\$24,200); signs (entry,boundary, interpretive & rules signs), posts/hardware, fencing, gravel, & other site development tools & supplies (~\$30,090). Activity 2: citizen science, volunteer events & site steward supplies (including safety items, hand tools, training materials, temporary signs, stamps, envelops, etc) (~\$10,500). Prefer title Acquisition 300 acres in 5-7 parcels to be acquired by DNR & designated SNA. Primarily fee title (possibly conservation easement) Professional Services for Acquisition Includes real estate transaction costs & LAM billings; appraisal & review; boundary survey; attorney general; closing costs; recording fees & taxes; etc. ~\$130,000 Printing Activity 1: printing of interpretive signs (~\$2,000); Activity 2: brochure, maps, pocket cards, citizen science, educational & volunteer materials (\$3,900). Activity 3: State Registe	.950 \$		\$	199,95
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educational & volunteer materials (\$3,900). Activity 3: State Register publication (required to designate acquired parcels) (\$1,000) Travel expenses in Minnesota				
	,900 \$		\$	6,90
Fleet charges for trucks, cars, & equipment (e.g. skid loaders, tractors, mowers, seeders), mileage, lodging & 📙 🕻 193				
meals as per state contracts	,660 \$		\$	193,66
Other				
	,000 \$		\$	5,00
Activity 2-1: Conservation Corps Mn individual placement MNIT computer rental/support and office supplies \$,000 \$	7	\$	2,00
DNR's direct and necessary costs (\$113,420 total) pay for activities that are directly related to and necessary for accomplishing appropriated programs/projects. In addition to itemized costs captured in our proposal budget, direct and necessary costs cover HR/People Support (\$2,935), Safety Support (\$4,958), Financial Support (\$5,18,768), Communication Support (\$6,256), IT Support (\$54,209), and Planning Support (\$5,294) that are necessary to accomplishing funded programs/projects.	,420 \$	-	\$	113,42
COLUMN TOTAL \$ 3,500				

OTHER FUNDS CONTRIBUTED TO THE PROJECT	Status (secured or pending)	Budget	Spent	Balance
Non-State: Potential partial landowner & partner donations; any actual \$s would be reported		\$ -	\$ -	\$
& accomplishments pro-rated.				
		\$ -	\$ -	\$
State: Some SNA acquisitions are funded with a combination of state appropriations (e.g.				
OHF and RIM). If any activities are split funded their accomplishment acres will be pro-rated.				
In kind:DNR office facilities, copiers, computer, communications; supervisor & manager time		\$ -	\$ -	\$
(but contributions not tracked).				

PAST AND CURRENT ENRTF APPROPRIATIONS		Amount legally bligated but not yet spent	Budget	Spent	Balance
Current appropriations: ML	15 \$	233,699	\$ 11,636,000	\$ 3,994,978	\$ 7,641,022
SNA Acquisition, Restoration, Enhancement & Public Engagement \$4,000,000 Balance: \$21,379 Encumb. & \$371,313 unexpended ML16 SNA Restoration \$1,386,000. Balance: \$102,403 Encumb. & \$971,950 unexpended ML16 SNA Mn Point Pine Forest SNA Acquisition \$500,000. Balance: \$4,714 Encumb. & \$485,310 unexpended ML17 SNA Acquisition, Restoration, Citizen Science & Engagement \$2,500,000 Balance: \$105,203 Encumbered & \$2,328,750 unexpended	l				
ML18 SNA Habitat Restoration, Public Engagement, and Strategic Acquisition \$3,250,000)				
Past appropriations:			\$ 4,040,000	\$ 4,040,000	\$ -

SNA Conservation, Restoration, Enhancement & Citizen Engagement \$1,500,000 (complete) ML14 SNA Acquisition, Restoration, Improvements & Citizen Engagement \$2,540,000 (complete)

Attachment C:

Environment and Natural Resources Trust Fund M.L. 2019 Acquisition/Restoration Parcel List Spreadsheet

Project Title: DNR Scientific and Natural Areas

Legal Citation:

Project Manager: Judy Schulte

Organization: MN DNR- Scientific and Natural Areas Program

College/Department/Division: Division of Ecological & Water Resources

M.L. 2018 ENRTF Appropriation: \$3,500,000

Project Length and Completion Date: 3 years, June 30, 2022

Todays's Date: August 23, 2018



#	Acquisition or Restoration Parcel Name	Geographic (preferable center of t Format: [De [Sec.]" [y from the he parcel) eg.]° [Min.]'	Estimated Cost	Estimated Annual PILT Liabilities	County	Site Significance (please include what ecosystem (e.g., prairie, forest, wetland, savanna) is represented as well as the ecological significance, site importance, conservation value, and public benefits)	Activity Description (e.g. fee title acquisition, conservation easement acquisition, site preparation, restoration)		# of Shorelin e Miles	individual or trust, non- profit	Proposed Fee Title or Easement Holder (if applicable)	Status of work (e.g. engaged in landowner negotiations, no longer in consideration, restoration activities underway)
1	Anoka Sand Plain Groundwater Influenced Shallow Wetlands	44° 20' 13.0"	93° 7' 26.6"	\$ 300,000	\$ 2,250	Anoka	A spatial model for the Anoka Sand Plain Ecological Subsection has identified areas likely to have groundwater influenced shallow wetland that harbor rare vascular plants such as Twisted Yellow-eyed Grass (MN- Endangered), Slimspike three-awn (MN- Endangered), and Cross-leaved Milkwort (MN Endangered). There is potential for LCCMR funds to be matched by \$200,000 of mitigation funds to protect these areas.	fee title acquisition	30	0.25	private	DNR-SNA	proposed
2	Cannon River Turtle Preserve SNA addition	44° 34' 44.5"	92° 37' 19.4"	\$ 280,000	\$ 2,100	Goodhue	Floodplain forest of Outstanding biodiversity significance harboring rare turtles and birds.	fee title acquisition	100	0.5	private	DNR-SNA	proposed
3	Chanarambie Creek SNA (new)	43° 54' 22.4"	96° 1' 51.9"	\$ 400,000	\$ 3,000	Murray	Dry hill prairie & prairie meadow (A and AB quality prairie), fee title purchase of a Native Prairie Bank.	fee title acquisition	200	0.5	private (with NPB easement)	DNR-SNA	proposed
4	Des Moines River SNA addition	43° 44' 38.5"	95° 4' 8.7"	\$ 200,000	\$ 1,500	Jackson	Buffer to SNA to aide in mgmt. of native prairie	fee title acquisition	50		private	DNR-SNA	proposed
5	Drake Woods (new)	43° 33'54.0"	94° 6' 23.51"	\$ 2,000,000		Faribault	Best intact MBS mapped hardwood forest in south central MN	fee title acquisition	300	1.5	private	DNR-SNA	proposed
6	Englund Ecotone SNA addition	45° 41' 19.3"	94° 8' 53.2"	\$ 2,148,000	\$ 16,110	Benton	Oak forest, oak savanna, sedge meadow	fee title acquisition	358		private	DNR-SNA	proposed
7	Grey Cloud Dunes SNA addition	44° 47' 30.9"	92° 57' 35.1"	\$ 1,625,000	\$ 12,188	Washington	Natural shoreline on the Mississippi River in the metro area	fee title acquisition	65	0.5	private	DNR-SNA	proposed

	Lake Bronson SNA]			Borders the Two Rivers river and harbors rare						
	addition						orchids on wet prairie of outstanding	fee title acquisition	180	0.25	private	DNR-SNA	proposed
8		48° 44' 5.7"	96° 32' 12.2"	\$ 144,000	\$ 1,080	Kittson	biodiversity significance.						
	Mille Lacs Moraine						Narrow band of steep moraine ridges with						
	SNA addition						mature mesic red oak forest and small lakes	fee title acquisition	240	1.5	private	DNR-SNA	proposed
							that provides habitat for the Red-shouldered	ree title dequisition	210	1.5	private	Ditti Siti	proposed
9		46° 16' 58.3"	93° 51' 10.9"	\$ 750,000	\$ 5,625	Crow Wing	Hawk and Cerulean Warbler.						
	Middle Fork Zumbro						Sugar maple - basswood-(butternut hickory)						
	River Forest SNA						forest	fee title acquisition	300	4	private	DNR-SNA	proposed
10	(new)	44° 9' 8.4"	92° 48' 6.3"	\$ 1,000,000	\$ 7,500	Dodge	lorest						
	Pembina Trail						Wet prairie of outstanding biodiversity						
	Preserve SNA						significance.	fee title acquisition	160		private	DNR-SNA	proposed
11	Addition	47° 41' 29.9"	96° 21' 30.6"	\$ 240,000	\$ 1,800	Polk	significance.						
	Roscoe Prairie SNA						Wet prairie with rare butterfly habitat	fee title acquisition	40		private	DNR-SNA	proposed
12	addition	45° 24' 54.5"	94° 41' 22.7"	\$ 240,000	\$ 1,800	Stearns	Wet prairie with rare butterny habitat	ree title acquisition	40		private	DIVIN-SIVA	ргорозеа
	Rose Dell Prairie						MBS-mapped prairie with rare features. May						
							be the biggest population of Western prairie	fee title acquisition	80		private	DNR-SNA	proposed
							Fringed orchids on private land in the US.	ree title dequisition	50		private	DIVIN SIVA	ргорозса
13		43° 48' 39.9"	96° 21' 14.6"	\$ 400,000	\$ 3,000	Rock	Tringed oremas on private land in the 03.						
	Sioux Agency SNA						MBS-mapped prairie with rare features	fee title acquisition	150	1	private	DNR-SNA	proposed
14		44° 42' 32.1"	95° 24' 40.9"	\$ 1,000,000	\$ 7,500	Yellow Medicine	Wibs-mapped prairie with rare reatures	ree title acquisition	130	т	private	DIVIN-SIVA	ргорозеа
	Wallace SNA (new)						Large high quality sand/gravel prairie with 5				private (with		
4.5		460 51 45 711	050 201 24 211	å F 42F 000	å 27.500	5 1 100 13	small lakes. Buy Lund 2-1 NPB and Wallace	fee title acquisition	775	3	NPB easement)	DNR-SNA	proposed
15		46° 5° 45.7"	95° 38° 21.3°	\$ 5,425,000	\$ 37,500	Douglas and Ottertail	Wi Billiee dde.				THE Cusement,		
4.0	Avon Hills Forest	450 001 7 011	0.40.001.6.711	4 44 500			Sand gravel prairie (towards succession to oak	restoration	13		public	DNR-SNA	proposed
16	SNA	45° 38' 7.0"	94° 30' 6.7"	\$ 44,500		Stearns	savanna/forest)				'		' '
	Mille Lacs Moraine		000 541 44 5"	4 00			Mesic hardwood forest	restoration	1		public	DNR-SNA	proposed
17		46° 16' 55.2"	93" 51' 11.3"	\$ 3,000		Crow Wing							, ,
1.0	Mound Spring	440 451 56 5"	060 271 2 7"	d 0.500		N 11 A 12 1	Dry hill & mesic prairie	restoration	3		public	DNR-SNA	proposed
18		44° 45' 56.5"	96° 27' 2.7"	\$ 8,500		Yellow Medicine	· ,						, ,
	Sugarloaf Point SNA	470 201 44 4"	000 501 0 0"	d 4500			Lake Superior shoreline	restoration	1	0.25	public	DNR-SNA	proposed
19		47° 29' 11.4"	90° 59' 0.3"	\$ 4,500		Cook	<u>'</u>						, ,
NO	NOTES:												

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2019 Environment and Natural Resources Trust Fund Proposal SNA Habitat Restoration, Public Engagement and Acquisition

