

URBAN WATERS CAPACITY-BUILDING GRANT APPLICATION
WILDCAT CREEK WATERSHED COUNCIL
Manhattan, Kansas

I. COVER SHEET

Transmitted at 3:00 PM, Central Daylight Savings Time, Monday, March 14, 2001.

Urban Waters Capacity-Building Grants - Cover Sheet

Applicant Information

Date of Proposal: *

Mar
14
2011

Applicant organization: * Wildcat Creek Watershed Council

Contact name : * Rod Harms

Contact title: * Volunteer Facilitator

Email : * rharms@purpleprairie.net

Phone number: * 785-537-3773

Street address: * 101 Waterbridge Road

City, state and zip code: * Manhattan, Kansas 66503

Which of the following best describes your organization (please choose one): *

- Tribe
- Governmental Agency
- Quasi-Governmental Group (incl. Conservation Districts)
- Nonprofit Organization
- Agency-Sponsored Citizen Group (lead by volunteers but staffed by agency employees)
- Independent Citizen Group (incl. unincorporated)
- Other (Other includes chapters of larger groups)

If you chose "other", please describe your organization type:

Does your organization have 501c3 status:



Yes



No

*Applies to non-Government and non-Tribal applicants ONLY

If No, please provide name and contact information for the organization serving as your fiscal sponsor:

Your organization's current operating budget: * \$

Project Information

Project Title: *

Name and size (i.e. acres or square miles) of watershed: *

Requested Amount (not to exceed \$70,000): * \$

Project Duration (in months - not to exceed 24 months): * #

URBAN WATERS CAPACITY-BUILDING GRANT APPLICATION
WILDCAT CREEK WATERSHED COUNCIL
Manhattan, Kansas

II. EXECUTIVE SUMMARY

Wildcat Creek Watershed is located in Riley County, Kansas and covers 99.5 square miles. The targeted area of this application is 8 square miles within the city limits of Manhattan, Kansas, with an urban population density of 7,000 to 8,000 persons per square mile. Rapid development in the urban area has resulted in substantial erosion, impaired water quality, endangered aquatic species and caused property damage and habitat loss. Many of the urban residents live in apartments or mobile home parks and are directly impacted by adverse water quality, flooding, and lowered property values.

Wildcat Creek has documented water quality problems. The watershed is listed as impaired (303d Kansas report) for nutrients (phosphorus), bacteria, and low levels of dissolved oxygen. In addition, Wildcat Creek and its tributaries are habitat for the Topeka Shiner, which is an endangered fish species that requires very specific water quality conditions. Flooding in the urban portions of the watershed has increased from a 1 in 20 year occurrence to almost an annual event. In 2010, a major flood event caused serious damage to and threatened human health of residents of lowest income and most vulnerable residents of the watershed. With the rapid rate of urbanization in the rural upstream areas watershed, it is expected that flooding frequency will increase unless a plan is developed and implemented.

The Wildcat Creek Watershed Council is an ad hoc group that has been meeting and corresponding since 2009 to address the problems with Wildcat Creek. The Council has been working to bring together the watershed community and identify the historic and ongoing research and construction activities in the watershed. The general vision of the group is to improve the environmental quality of Wildcat Creek to insure the protection of the property and enhancement of the quality of life.

The vision of this project is the development of a sustainable organization that can effectively address the future of the Wildcat Creek Watershed. The Wildcat Creek Watershed Council urgently needs assistance to establish itself to move beyond a large list of correspondents to a sustainable organizational structure and action. Specific project goals are:

- 1) Establish a sustainable organization structure
- 2) Complete an inventory and analysis to identify community concerns
- 3) Identify short and long term watershed strategies
- 4) Create a watershed plan of action

This effort has widespread support in the local watershed community and state and local agencies and councils.

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III. NARRATIVE

1. Applicant Organization and Training Needs

Wildcat Creek Watershed Council is an ad hoc group that has been meeting and corresponding since 2009 to address the increasingly rapid degradation of the Wildcat Creek Watershed within the City of Manhattan's urban boundaries. Rapid development in the urban area has resulted in substantial erosion, impaired water quality, affected endangered aquatic species, caused property damage and habitat loss. The group has been able to identify key areas of concern and to gather partners representing a broad range of constituents and experts. Building our capacity to make more effective use of the expertise at hand to focus on engaging the urban neighborhoods to take action is the next step. Our goals and objectives in building capacity are:

Goal 1: Establish a sustainable organizational structure

 Create a 501c3 nonprofit organization

 Define the role of and employ a Watershed Coordinator

 Establish a Watershed Stakeholders Committee of watershed residents to address:

 Communication

 Promotion

 Planning and design

 Fundraising

 Action

Goal 2: Continue inventory and analysis of the area to identify community concerns using already completed stream morphology and hydrological data and available expertise related to riparian habitats, city planning and stream restoration. For impaired stream reaches, seek to restore geomorphic, biologic, aesthetic and recreational stream functions while increasing connectivity between the stream and the people who live in the basin.

Goal 3: Identify short and long term strategies for improving water quality and stream corridor stability with emphasis on community concerns and environmental justice.

Goal 4: Create a plan of action for implementation of short and long term actions to restore the watershed that will include the urban communities impacted by the creek's degradation though:

 Providing public education

 Increasing awareness

 Gaining participation of residents directly impacted

 Securing financial support

 Enhancing the impact and the reach of existing educational programs including citizen scientists and K-State research

The greatest need is for assistance in establishing a collective agenda for the WCWC urban community-at-large. Due to the broad range in individual capacities to understand and address

environmental and personal property destruction, reactions and solutions to watershed restoration and protection vary greatly. Some, like the new City of Manhattan zero runoff stormwater ordinance, have potential to be highly effective. Others such as development encroachments into the stream corridor promise to present even greater problems. Financial support to achieve our goals is critical within the next 24 months.

2. Targeted Body of Water and its Significance

The Wildcat Creek Watershed covers a total of 99.5 square miles in Riley County, Kansas. The targeted area of this application is 8 square miles within the City of Manhattan at the downstream end of the watershed where Wildcat Creek empties into the Kansas River. Eight percent of the watershed lies within Manhattan's city limits with the highest concentration of population (7,000-8,000 persons per square mile) located before the creek's confluence with the Kansas River. A portion of the Kansas State University Campus, including the basketball arena, large surface parking areas, student union and some dormitories contribute to the watershed. Another 34% of the watershed is on the Fort Riley Military Reservation, home to the U.S. Army's 1st Infantry Division. Communication and coordination with these large property owners is an important aspect of the WCWC.

Wildcat Creek and its tributaries are habitat for the Topeka Shiner, an endangered species of fish. This species requires a gravel stream bed and deep pools which hold cooler water in the summer and provide the Shiner refuge from summer temperatures and low flows. The Wildcat Creek riparian corridor provides movement and habitat opportunities for many species of avian and terrestrial wildlife. Countless communities across our country are seeking to regain such opportunities. If Wildcat Creek were to become a more typical urban waterway (channelized, incised, armored with rip-rap and gabion baskets, fenced for the protection of public safety, etc) the opportunity to enjoy the presence of native wildlife species will be lost. Currently, increased fine sediment from active development and accelerated stream bank erosion is threatening the stability of the Wildcat Creek system. Levels of nutrients and bacteria combined with low levels of dissolved oxygen have caused Wildcat Creek to be EPA, 303d listed as "impaired".

As the Wildcat Creek watershed continues to be developed the amount of impermeable and less-permeable surface area will increase. This landscape change means more surface runoff and less infiltration and slow flow through the soil to the stream (base flow). The result of these changes will be increased frequency of flood events with higher flood peak elevations and more rapid increases of flow. The increased energy associated with higher and more frequent flood flows will change the stream channel which will be down-cut where possible and widened through accelerated streambank erosion where the channel bottom is 'controlled' by bedrock (common in Wildcat Creek). If storm events are increasing in intensity then this will further exacerbate flooding in the basin. Finally, Manhattan, as is true with many cities, has allowed developers to fill floodplain areas in order to raise finished floor elevation above some arbitrary flood level. This practice reduces the floodplain storage capacity when flood flows occur further heightening flood flow elevations. Property damage will increase in frequency and intensity just

as the floods will. Much of this potential damage could be avoided with proper floodplain planning and Management.

Without a collective understanding of the issues at hand and the appropriate strategies to correct the situation, the quality of the watershed will continue to deteriorate for all of its residents: people, wildlife and aquatic life.

3. Targeted Community and Key Partnerships

The targeted community are those who live, work and recreate within the seven sub-watersheds of Wildcat Creek within the City of Manhattan, Kansas:

Little Kitten Creek, an intensely developed suburban area with a history of residential damage due to flood events and deteriorating stream banks.

CiCo Park, a highly developed city-county park that includes the county fairgrounds and large parking surfaces and the surrounding commercial and residential neighborhood.

Virginia Nevada, an urban neighborhood impacted by significant runoff from the K-State campus.

Downtown West, additional areas of the K-State campus and a dense urban area with little impervious area and aged storm sewer infrastructure.

Wildcat Southeast, a residential and commercial area that includes affordable housing options including apartments and mobile homes, the city zoo and the Manhattan High School west campus.

Rolling Hills, a suburban residential area curiously impacted by recent flooding (not previously impacted for more than 25 years).

Wildcat Southwest, a rapidly developing suburban area with large athletic parks and some of the last remaining opportunities for wide stream corridor habitat preservation.

The City of Manhattan is the Fiscal Sponsor for this grant application. City department directors and staff in Public Works, Community Development, Parks and Recreation, Sunset Zoo, GIS, and Storm Water Management are integral. Riley County, through its Board of County Commissioners, are supporters and the County's Planning and Engineering staffs are engaged. Manhattan is the county seat and is also home to Kansas State University, Kansas Forest Service, Riley County Conservation District, NRCS – USDA. Multiple individuals and teams from each will support the WCWC technically, professionally, and financially. Neighborhood Associations and social justice organizations (Micah Society, Manhattan Alliance for Peace and Justice and K-State Students for Environmental Justice) are supportive and have committed to volunteer their time. Initial information about this grant opportunity was provided by the Kansas Department of Health and Environment and they are in support of this application.

4. Project Vision

The Wildcat Creek Watershed Council has worked since 2009 to bring together the WCWC community at large and identify the many different historic and ongoing research and construction activities in the watershed. This grant application process has made clear the diversity, number and sophistication of partners as well as the lack of communication between the partners and the stakeholders and residents of the watershed. The general vision of the

group is clear: improve the environmental quality of Wildcat Creek to ensure protection of property and enhancement of quality of life.

Our vision for this project is development of a sustainable organization that can effectively address the future of Wildcat Creek within the watershed's urban area. WCWC urgently needs assistance to establish itself moving beyond a large list of correspondents to a sustainable organizational structure and action.

As Dr. Schruben, Texas A&M engineer and watershed resident, states in his letter of support: "Wildcat Creek could be a national class urban waterway and model for ecological values in population center areas." "Interests have proposed that Wildcat Creek become a rock-strewn waterway." Before such drastic and expensive measures are taken, all alternatives should be considered. With appropriate capacity in place, the WCWC can facilitate that discussion. Continuing deterioration coupled with rapid development of upstream lands results in an imperative to engage all partners and stakeholders over the next 24 months.

5. Project Strategies and Activities

Strategy 1: Establish a sustainable organizational structure

With Grantor assistance establish bylaws and articles of incorporation and file with State and file 501c3 with the IRS.

With Grantor assistance, transition from appointed to elected directors and officers and establish a Watershed Stakeholder Committee with sub-committees including: Communication, Promotion, Planning and design, Fundraising / finance, and Action (attracting members from each sub-watershed).

With Grantor assistance, define roles of paid staff and employ a Watershed Coordinator to facilitate board, committee and volunteer activities (including those enumerated in Goal 3) plus insure publication of quarterly electronic newsletter and maintenance of social media postings and website. Plus expand Watershed Coordinator's capacity via employment of an administrative team of university student workers each semester.

Strategy 2: Continue inventory and analysis to identify community concerns

Hold quarterly meetings to facilitate open dialogue regarding continuing inventory and analysis and other activities within the watershed including K-State and Manhattan Public School Research and Data Collection, City Public Works Projects, Future Development Plans, Ft. Riley / NRCS / Riley County Conservation District Stewardship and WCWC activities envisioned herein.

Hold annual COUNCIL Summits to document community concerns, evaluate prior year's activities and plan for next year. Have chautauqua sessions showcasing the prior year's on-the-ground work and research. Have signup sheets for coming year activities on-site for completion after sessions. Retain speakers (professionals and volunteers) from other locations (Johnson & Sedgwick Counties) to present what worked (and didn't) in their urban Kansas watersheds.

Strategies 3 and 4: Identify short and long term strategies and create a plan of action

Support Prof. Bernard and K-State Landscape Architecture students developing resources integrating updated data and models to map and analyze existing development and green infrastructure. Use resources as base information for the development of ecological design and BMP concepts related to stormwater management and GI interventions in the watershed.

Hold meetings or activities in each of the sub-watershed areas to begin evolving strategies, buy-in, and feedback regarding neighborhood concerns and document environmental injustices. (the following meetings and activities, Projects A-L, are located on *Attachment C*)

Wildcat Southwest

A. Set up monitoring station with best available equipment at the Scenic Drive Bridge. Develop a street sign to post on the bridge alerting motorists of monitoring and WCWC (“for watershed information call xxx-xxx-xxxx”). Hold neighborhood meeting at Highland Ridge Apartments (Wildcat Creek Road, Highland Ridge, Stone Point and Four Winds Neighborhoods) to introduce WCWC, listen to concerns, encourage “adopt a mile” sponsorship (debris clean-up and maintaining wildlife food plots) and learn of grass roots activities sponsored by neighborhood (to replicate in other neighborhoods).

B. Support work of Dir. Loupe, Prof. Skabelund and K-State students to complete a seasonal wetlands project west of Anneberg Park. Contribute funds for plant materials and solicit WCWC volunteers to participate. Support work of Dir. Loupe, Prof. Keane and researchers in their efforts to complete a thorough watershed assessment, conceptual planning for conservation and restoration and, in year two, implement a case study restoration project with student and community participation. Contribute hospitality funds to SEA (Students for Environmental Action) for a “day of action” headquartered near the Anneberg pedestrian.

C. Cooperate with Dir. Loupe and recreation staff to have a Festival tied to other activity (Duck Race, Fishing Clinic) focused on evolving community wide awareness. Sign-up volunteers and solicit service and monetary donations. Staff activities for all age groups and gain cooperation from adjacent property owners to tour / float the creek to see impairments / opportunities.

Little Kitten Creek

D. Cooperate with Colbert Hills Golf Course, K-State research, to monitor water quality and stream flows into Little Kitten tributary. Hold neighborhood meeting (Grand Mere, Hawthorne Woods, Cedar Glen and Western Hills) to introduce WCWC (see A above).

Cico Park

E & F. Hold neighborhood meeting at Pottorf Hall (Candlewood, Little Kitten, Cico Park, State Streets) to introduce WCWC (see A above). Support presentation by county and city staff regarding planned improvements to the two fully developed tributaries.

Rolling Hills

G. Hold Festival at Maximum Fitness including a bike/walkathon beginning at the Fire Station touring the creek via the existing linear trail. (see C above).

Virginia Nevada

H. Hold neighborhood meeting at Red Cross Meeting Room (Gardenway, Washington Square, Grandview Hills, Western Lee Heights) to introduce WCWC (see A above). Support presentation by county and city staff regarding recent flooding and efforts to mitigate future damage. Support Prof. Skabelund and K-State students in the completion of additional green roof and stormwater collection device at K-State's Seaton Hall.

Wildcat Southeast

I. Hold neighborhood picnic at Linear Trail in Cinema Parking Lot (Redbud Estates, Amherst, Briercliffe, Rolling Hills) to introduce WCWC (see H above). Sponsor talk by emergency preparedness on status of FEMA buyouts and what to do in the event of flood warnings.

H and I (2). After Neighborhood meetings solicit "outside" community action and donations to work in these disadvantaged neighborhoods to clean up debris from 2008 tornado and 2007 and 2009 floods. Work with Dr. Schruben to test for chemical contaminants in neighborhood resulting from destruction of True Value Hardware during the 2008 tornado.

J. Cooperate with Dir. Shoemaker and staff to enhance Citizen Scientists (summer long program) via providing additional educators and simple equipment for teaching water quality principles, testing techniques and identifying amphibians. Provide funds for plant materials to educate participants on role of plants—water quality, limiting runoff, bank stabilization. Provide hospitality funds (food and drink) for participants and scholarship funds for economically challenged youth. Support Dir. Shoemaker, Prof. Skabelund, K-State students and Zoo Volunteers in the building of a bio retention area at Sunset Zoo.

Downtown West

K. Set up monitoring station and sign at the Ft Riley Blvd Bridge (see A above).

L. Set up monitoring station, at the location of prior KDHE monitoring, upstream of the confluence with the Kansas River.

6. Project Evaluation

At scheduled board meetings and the annual COUNCIL a routine presentation of outcomes will be made. Sustainability will be addressed via: a report on deposited funds at the Greater Manhattan Community Foundation; open positions on committees; and a membership census by sub-watershed and community at large. Post mortem reports will be prepared within 60 days of the completion of any project, including estimated invested hours by professionals and volunteers, and accepted by the board at the COUNCIL. Evaluations of chautauqua presentations will be completed by attendees and forwarded to the board. An annual evaluation by representatives of the Mid Kansas WRAPS and KDHE will be requested, and upon receipt, reviewed by the board and posted on-line.

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Manhattan, Kansas

IV. ATTACHMENTS

Attachment A: Line-item Budget

Attachment B: Map of Target Area (Projects A-L)

Attachment C: List of Partners

Attachment D: Brief Biographies

Attachment B1: Watershed Map

Attachment B2: Study Area NDVI

Attachment B3: Study Area Elevation

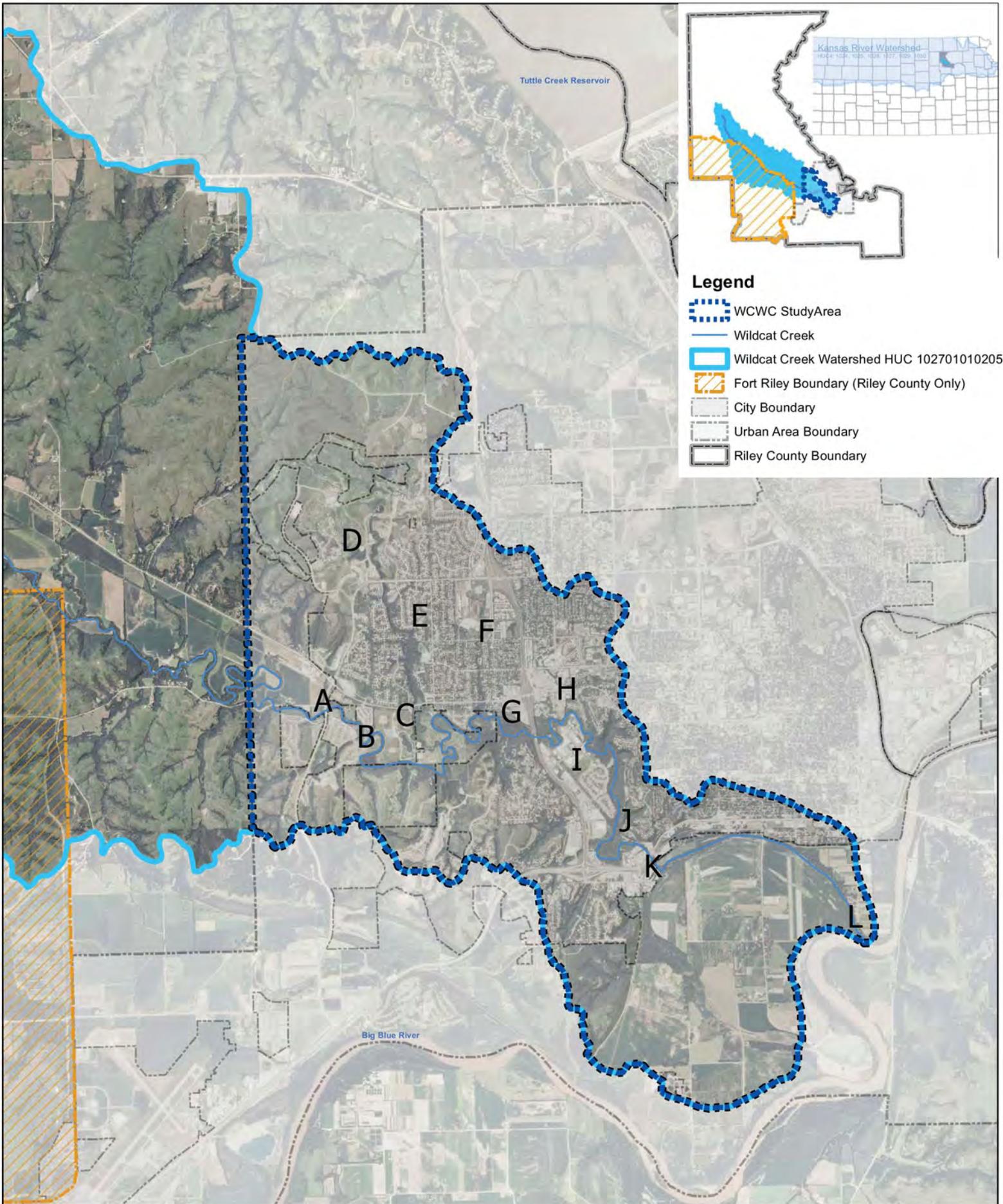
Attachment B4: Context Elevation

Attachment B5: Study Area Parcels

Attachment C1: Partner Letters of Support

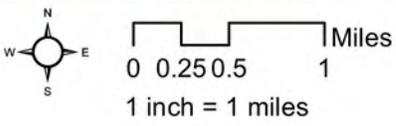
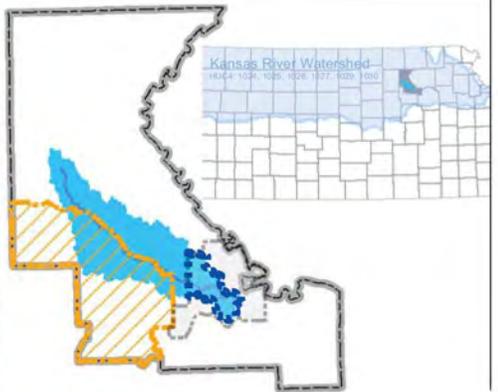
Attachment C2: Additional Partner Letters of Support

Applicant Organization: Wildcat Creek Watershed Council, Manhattan, Riley County, Kansas					
Proposed Income:		Year One	Year Two	Total	
		6/1/2011 - 5/30/2012	6/1/ 2012 - 5/30/2013		
Sources:	Urban Waters Grant (Requested Amount)	\$ 18,750.00	\$ 41,250.00	\$ 60,000.00	
	Individuals	\$ 500.00	\$ 1,000.00	\$ 1,500.00	
	State or local government	\$ -	\$ 7,500.00	\$ 7,500.00	
	Non-governmental partners	\$ 500.00	\$ 500.00	\$ 1,000.00	
	Events	\$ 500.00	\$ 1,000.00	\$ 1,500.00	
	Businesses	\$ 1,000.00	\$ 2,000.00	\$ 3,000.00	
	In kind donations	\$ 10,000.00	\$ 12,000.00	\$ 22,000.00	
	Other			\$ -	
	Total Project Income	\$ 31,250.00	\$ 65,250.00	\$ 96,500.00	
Proposed Expenses:					
Line Items:	Personnel	\$ 7,500.00	\$ 15,000.00	\$ 22,500.00	
	Fringe Benefits/Taxes	\$ 1,125.00	\$ 2,250.00	\$ 3,375.00	
	Staff Travel (Includes food and Lodgings)	\$ 375.00	\$ 500.00	\$ 875.00	
	Program Materials (signs, plants, testing)	\$ 5,000.00	\$ 10,000.00	\$ 15,000.00	
	Office supplies, web & hospitality (events)	\$ 2,000.00	\$ 4,000.00	\$ 6,000.00	
	Contractual (facili/consult/construction)*	\$ 12,000.00	\$ 17,500.00	\$ 29,500.00	
	Phone and Office expenses	\$ 250.00	\$ 500.00	\$ 750.00	
	Non-staff travel & expenses	\$ 250.00	\$ 750.00	\$ 1,000.00	
	Training, Scholarships, Case Study	\$ 1,250.00	\$ 10,750.00	\$ 12,000.00	
	Lab Analysis, Wildlife habitat seed/feed	\$ 1,500.00	\$ 4,000.00	\$ 5,500.00	
	Total Project Expenses**	\$ 31,250.00	\$ 65,250.00	\$ 96,500.00	Match
	Less applicant match amount (minimun 33%)	\$ 12,500.00	\$ 24,000.00	\$ 36,500.00	38%
	Urban Waters Grant (Requested Amount)***	\$ 18,750.00	\$ 41,250.00	\$ 60,000.00	62%
	*Maximum contractor rate \$74.50/hr + expenses				
	**Line 23 and Line 11 should match				
	***Line 25 and Line 3 should match				



Legend

-  WCWC StudyArea
-  Wildcat Creek
-  Wildcat Creek Watershed HUC 102701010205
-  Fort Riley Boundary (Riley County Only)
-  City Boundary
-  Urban Area Boundary
-  Riley County Boundary



WCWC NAIP Aerial 2010 Map

Prepared by: LAR 704 Students
 Projection & Coordinate System:
 UTM NAD83 Zone 14N (Meters)
 Sources:
 Riley County GIS, KS DASC,
 USDA NRCS, USGS, EPA, ESRI

WCWC : Wilcat Creek Watershed Council

HUC 102701010205 and
 HUC 102701010206
 Riley County, Kansas

Attachment C: List of Partners
Wildcat Creek Watershed Council-Manhattan, Kansas

ORGANIZATION	NAME	TITLE	E-MAIL	TELEPHONE	ROLE
GRANT ADMINISTRATION PARTNERS					
City of Manhattan	Ron Fehr	City Manager	fehr@ci.manhattan.ks.us	785-587-2404	Grant Administration (see letter in Attachment C1)
Riley County Board of County Commissioners	Karen McCulloh	County Commission, Chair	bocc@rileycountyks.gov	785-565-6844	Jurisdiction over entire Watershed (see letter in Attachment C1)
Kansas Department of Health and Environment	Kerry Wedel	Chief, Watershed Mgmt Section	KWedel@kdheks.gov	785-296-4195	State Liaison (see letter in Attachment C1)
Arthur-Green LLC	Tyler Darnell	Attorney	darnell@arthur-green.com	785-537-1345	Assist 501c3
Greater Manhattan Community Foundation	Liz Workman	Director	lizw@mcfks.org	785-587-8995	donation depository charitable deduction Assist 501c3,
TECHNICAL ASSISTANCE PARTNERS					
Primary Technical Assistance Partners					
Kansas Center for Agricultural Resources and the Environment Institute	Dr. Dan Devlin	Director	ddevlin@ksu.edu	785-532-0393	(see letter in Attachment C1)
Sunset Zoo	Scott Shoemaker	Director	shoemaker@ci.manhattan.ks.us	785-587-2737	(see letter in Attachment C1)

ORGANIZATION	NAME	TITLE	E-MAIL	TELEPHONE	ROLE
KSU, Dept of Landscape Arch/Reg and Comm Plan	Dr. Tim Keane	Professor	whisker@ksu.edu	785-532-5961	(see letter in Attachment C1)
Riley County	Monty Wedel, AICP	Director of Planning and Development	mwedel@rileycountryks.gov	785-537-6332	Liaison to all county staff
Additional Technical Assistance Partners					
Patti Banks Associates	Patti Banks	Owner	pbanks@pbassociates.com	816-756-5690	Award Winner other Watershed Examples
City of Manhattan	Eric Cattel	Asst Director of Planning	CATTELL@ci.manhattan.ks.us	785-587-2412	Liaison to planning & neighborhoods
City of Manhattan	Rob Ott	Public Works City Engineer	ott@ci.manhattan.ks.us	785-587-2415	Liaison to engineering
City of Manhattan	Shane Swope	Stormwater Engineer	swope@ci.manhattan.ks.us	785-587-2415	Storm Water Master Planning
City of Manhattan	Curt Loupe	Director of Parks and Recreation	loupe@ci.manhattan.ks.us	785-587-2757	Anneberg Park Projects
City of Manhattan	Frank Gibbs	Park Planner	gibbs@ci.manhattan.ks.us	785-587-2757	Linear Trail / Little Kitten Creek Projects
City of Manhattan	J David Mattox	Forestry Supervisor	mattox@ci.manhattan.ks.us	785-587-2757	Street tree / bank planting projects
Civitas Erosion Control LLC	Rod Harms	Manager	rharms@purpleprairie.net	785-537-3773	Land owner with erosion expertise
Healthy Ecosystems-Healthy Communities Program	Sherry Davis	Project Coordinator	sbd@ksu.edu	785-532-6175	Community organizer (see letter in Attachment C1)

ORGANIZATION	NAME	TITLE	E-MAIL	TELEPHONE	ROLE
i-Tree Streets, KS Forest Service	Kim Bomberger	Community Forester	kbomberg@ksu.edu	785-532-3315	Quantify rainfall intercept by trees
Fort Riley	Jeff Keating	Biologist	jeff.keating@us.army.mil	785-239-8022	Topeka Shiner endangered species
	Jeff Williams	Economist	jwilliam@agecon.ksu.edu	785-776-0585	(see letter in Attachment C1)
Kansas Forest Service	Robert L. Atchison	Coordinator	Atchison@ksu.edu	785-532-3310	(see letter in Attachment C1)
Kansas Forest Service	Thad Rhodes	District Forester	trhodes@oznet.ksu.edu	785-539-7983	Plant material source
Kansas State University	Dr. Walter Dodds	Biology, University Distinguished Professor	wkdodds@k-state.edu	785-532-6998	(see letter in Attachment C1)
Kansas State University	Dr. Brad Logan and Dr. Lauren Ritterbush	Anthropology / Archeology	lritterb@ksu.edu blogan@k-state.edu	785-532-6828	Inspect erosion sites Provide cultural history
Kansas State University	Dr. Stacy Hutchinson	Professor, Biological and Agricultural Engineering	sllhutch@k-state.edu	785-532-5825	Speaker on successful green infrastructure
Kansas State University	Lee Skabelund	Professor	lskab@ksu.edu	785-532-5961	Project coordinator Zoo & Seaton Hall
Manhattan Alliance for Peace and Justice	Christopher Renner	Professor	renner@ksu.edu	785-770-8309	Community Liaison Communications

ORGANIZATION	NAME	TITLE	E-MAIL	TELEPHONE	ROLE
Kansas Wildlife Federation	Steve Sorenson	Conservation Vice President	webforbs@cox.net	316-755-2239	Agency Liaison
Riley County Extension	Greg McClure		gmcclure@ksu.edu	785-537-6350	Agency Liaison
Riley County Soil Conservation District	Bob Lienemann	District Manager	Robert.lieneman@ks.nacdnet.net	785-537-8764 x1301	Technical Assistance Agency Liaison (see letter in Attachment C1)
Students for Environmental Action	Zack Pistora	President	zackp@ksu.edu	785-865-6503	Contact for list serve
USDA	Kevin Religa	Dist. Conservst. NRCS Military Liaison	Kevin.religa@ks.usda.gov	785-776-8595	Technical Assistance Agency Liaison
Wildhorse Riverworks, Inc.	Phil Balch	Owner	riverworker@yahoo.com ,	785-478-4886	Equipment Resource Improvement history
COMMUNITY PARTNERS					
	Dea Brokesh, ASLA	KSU Landscape Architect	brokesh@k-state.edu	785-532-1721	Accredited Green Roof Professional
member NRA	Myron Calhoun	PHD EE	mcalhoun@sdf.lonestar.org	785-539-4448	Landowner, retired
	James Coffman	Kansas State University Provost Emeritus	coffmanj@k-state.edu	785-537-0690	Landowner, retired 30 yr creek resident (see letter in Attachment C1)
Commerce Bank	Richard Jankovich	Senior Vice President	Richard.Jankovich@CommerceBank.com	785-587-1556	City Council Candidate

ORGANIZATION	NAME	TITLE	E-MAIL	TELEPHONE	ROLE
High-Class Photography	Tom Leopold	US Navy retired	tommyhcp@kansas.net	785-313-1793	Photo documentation
Flint Hills Sierra Club	Carol Barta	Chapter Rep.	snowsage54@hotmail.com	785-410-8608	Agency Liaison
Grandview Hills Neighborhood Association	Bruce McMillan	Architect	bruce@mcmillanarchitects.com	785-776-1011	Professional and Neighborhood Rep.
Micah Society	Reverend Jim Reed	Resident	jimreed42@gmail.com	785-320-6440	Community Organizer
PRIDE Program	Dan Kahl	Center for Engagement	dankahl@ksu.edu	785-532-5840	Leadership Studies Comm. Development
Riley County 4-H	Andrea Feldkamp	Youth Development Agent	afeld@ksu.edu	785-537-6350	Contact for List Serve, Youth Liaison
	Dale Schruben	PDH Chem. Nat. Gas Eng.	kfdls00@tamuk.edu	785-537-0073	Permeability expert 50 year resident (see letter in Attachment C1)
Sharingbrook Neighborhood	Marcia Molina	Attorney Property Owner	mmolina@k-state.edu	785-537-2515	Community Servant
	Dr. Steve Short	Property Owner	sshort3@cox.net	785-537-3006	Community Servant
University Heights resident	Judy Willingham	Retired KELP Director	judymw@ksu.edu	785-539-0508	Sanitarian Watershed Resident

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Manhattan, Kansas

ATTACHMENT D: Biographies

Rod Harms, Volunteer Facilitator

Rod and his wife Stephanie own land with 1,500 linear feet of frontage along Wildcat Creek. Rod is a graduate landscape architect whose career has focused on community planning and land development. He is owner of numerous companies (Main Street property owner, construction, and consulting). In the 1990's Rod started Civitas Erosion Services, Inc.

Dr. Dan Devlin, Watershed Stakeholder Expert

Dan and his family reside in the Little Kitten sub-watershed. Dan has been involved in water quality and community engagement for many years and is now the Director of the Kansas Center for Agricultural Resources and the Environment. BS and MS in agronomy from Kansas State University and a PhD in agronomy from Washington State University.

Dr. Tim Keane, Stream Assessment, Conservation and Restoration Expert

Tim has taught Landscape Architecture at Kansas State for 27 years. For many years he has focused his interests on Kansas streams teaching a Fluvial Systems/Geomorphology class to diverse majors across the university community. Tim holds a BS in Landscape Architecture from Iowa State University, MLA and PhD in Landscape Architecture from the University Of Michigan.

Dr. James Coffman, Leadership Advisor

Jim and Sharon Coffman have resided adjacent to Wildcat Creek for 30 years. Dr. Coffman served as Dean of the College of Veterinary Medicine from 1984-1987 and then became Provost of Kansas State University. He has authored more than 100 technical papers and is sought out for his study of leadership and honor / collegiality in the university community.

Dr. Dale Schruben, Permeability Expert

Dr. Schruben has lived and explored the Wildcat Creek environs for 50 years. He has a BS from Kansas State, an MS from the University of Minnesota, and a PhD from Carnegie-Mellon University. His efforts range from helping the KDHE survey solvents and pesticides after the 2008 tornado to improving trails his mother built in the prior generation.

Rev. Jim Reed, community justice advocate

Rev. Reed is chair of the Micah Society, an action group following the prophetic mandate of Micah to Do Justice, Love Kindness, and Walk Humbly with God. He is a retired United Methodist Minister and has been involved in starting several not-for-profit organizations such as Shepherd's Crossing and the Flint Hills Community Clinic.

Ms. Sherry Davis, Middle KS WRAPS Liaison & Citizen Involvement Advisor

Ms Davis' work with Kansas Pride focuses on Healthy Ecosystems – Healthy Communities. She specializes in involving citizens to identify and prioritize urban water quality issues.

URBAN WATERS CAPACITY-BUILDING GRANT APPLICATION
WILDCAT CREEK WATERSHED COUNCIL
Manhattan, Kansas

ATTACHMENT E: Board of Directors

Wildcat Creek Watershed Council is currently not incorporated. The individuals whose biographies are noted in Attachment D have agreed to act as an interim board of directors for six months. Ex officio members would include Mayor Bruce Snead, City of Manhattan and Chair Karen McColluh, Riley County Board of Commissioners, or their designated agents.