Kansas WETLAND PROGRAM PLAN
2019-2023

Introduction and Background

The Kansas Water Office is designated by the governor of the state as the coordinating agency for wetland programs. Six state agencies have substantial roles in wetland protection, restoration, research and monitoring. These agencies and their primary roles are:

- Kansas Water Office (KWO). Coordinates programs and establishes policy on wetland resources. Member of the Interagency Coordination Team. More information about this state agency can be found here.

- Kansas Department of Wildlife, Parks and Tourism (KDWPT). Responsible for management of state-owned wetlands. Acquisition of additional wetlands to be held in public trust. Manages the threatened and endangered species program for the state, including wetland issues. Collects data on stream systems. Maintains a private lands habitat cost-share program with Private Lands Wildlife Biologists providing technical and financial assistance to private landowners. Member of Interagency Review Team and Interagency Coordination Team. More information about this state agency can be found here.

- Kansas Department of Health and Environment (KDHE). Manages the water quality monitoring network that includes public wetlands and provides reports on status and trends annually. Oversees financial assistance programs to protect, enhance and restore wetlands associated with Watershed Restoration and Protection Strategy (WRAPS) programs objectives. Responsible for 401 certifications for proposed impacts to wetlands during land alteration activities. Member of the Interagency Coordination Team. More information about this state agency can be found here.

- Kansas Department of Agriculture – Division of Conservation (KDA-DOC). Administers financial and technical assistance programs to improve, protect, enhance and restore wetlands and riparian areas. Member of the Interagency Coordination Team. More information about this state agency can be found here.

- Kansas Department of Agriculture – Division of Water Resources (KDA-DWR). Regulates dams, stream modifications, levees and floodplain fills for the protection of life, property and public safety; also provides technical assistance and coordination to local communities participating in the National Flood Insurance Program. Member of the Interagency Coordination Team. More information about this state agency can be found here.

- Kansas Biological Survey (KBS). Performs basic, applied and innovative wetland biological, geospatial and hydrological research and assessment including special projects across EPA Region 7. Publishes and maintains database of findings. More information about this state agency can be found here.

Additional state, federal and local agencies, and non-profits are also involved in wetland conservation programs. Each agency and entity has its own set of rules, regulations and policies that govern programs and activities. Efforts are made to maximize activities for multiple benefits and to leverage available funding for wetland projects. A Wetland and Aquatic Resource Plan (WARP) coordination group composed of the above agencies and non-profit partners has been established and will meet as needed to discuss activities and establish priorities related to this plan.

The Wetland Program Plan (WPP) presented below was developed in consultation with the state agencies having responsibility for wetland programs and the broader WARP team. It represents a compilation of recommendations made for wetland conservation over the past 35 years. Discussions about what to include in this WPP for the next five years involved identification of highest priority needs, realistic assessment of what could actually be accomplished and recognition of the financial and political climate facing the state during this time frame. Four primary areas of focus were identified as presented below:

1. Kansas has developed the Topographic Wetland Identification Process (TWIP), a landscape level LiDAR-based tool that identifies potential areas for wetland protection, restoration and enhancement. Acquisition of LiDAR data statewide is complete and will be analyzed using the TWIP to enhance knowledge about the state's wetland inventory and target our existing wetland programs on a watershed scale to accomplish broad wetland conservation while restoring and protecting our priority watersheds across the state.

2. Continued information dissemination and outreach and education to encourage wetland conservation is another important priority and we plan to greatly enhance the availability and quality of information available on a dedicated wetland and riparian webpage on the KWO website. The website will include an accessible GIS-based statewide repository of historic and current wetland and riparian documents, data, studies, projects and research. More emphasis will be placed on using a broader array of outreach tools provided by social media and other methods to accomplish information, education and outreach goals.

3. We recognize the need to gain greater understanding of our wetland resources through continued monitoring, assessment and evaluation of function and condition.

4. Our playa lake resources in the western part of the state require additional attention to better understand their current status and condition for the purpose of conservation and management. This focus compliments our current and past efforts to identify and inventory these playa resources.

The **Vision** of the Wetland Program Plan for Kansas is to "*Protect, enhance and restore our wetland resources to be able to support the wealth of services that wetlands provide to the citizens and visitors of Kansas".*

The following **Goals** support this vision (not in a prioritized order):

1. **Goal 1.** Increase the knowledge base about Kansas' wetland systems through surveying, monitoring, research and assessment to establish wetland condition, document status and trends and identify pollutants and impairments affecting wetland change.

2. **Goal 2.** Promote public awareness about the value and importance of wetlands through coordinated programs of research, outreach, education and information.

3. **Goal 3.** Develop and maintain a geospatial database, to track historic wetland loss, new wetland gain, wetland compensation and other wetland areas. Use the database to assess and evaluate progress and incorporate into agency decision making. Develop an accessible statewide repository for storing wetland and riparian information and identify other sources of Kansas wetland information and data (i.e. other private, state and federal websites and data bases).

4. **Goal 4.** Identify and protect important wetland systems through fee acquisition, conservation easements and other tools for long-term conservation.

5. **Goal 5.** Provide effective and responsible levels of protection and restoration of Kansas' wetlands through continued coordination and implementation of the existing regulatory program.

Planned Activities by Core Element and State Goals
(See Appendix 1 for Key to Acronyms)

Core Element: Voluntary Restoration

Goal 2. Promote public awareness about the value and importance of wetlands through coordinated programs of research, outreach, education and information.

Goal 4. Identify and protect important wetland systems through fee acquisition, conservation easements or other tools for long term conservation.

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Provide technical and financial assistance to public and private landowners and other stakeholders for protecting, enhancing and restoring wetland and riparian areas									
	KDHE	Utilize the Local Conservation Lending Program to provide financial assistance through low interest loans to private landowners to implement BMPs.	X	X	X	X	X	KDA-DOC KWO NRCS KDWPT NGOs WRAPS SLT	KDHE
	KWO	Use WARP Team to continue coordination among federal, state, local and private entities responsible for wetland and riparian stewardship to provide coordinated technical assistance to public and private landowners and other stakeholders.	X	X	X	X	X	EPA NRCS COE NGOs KDHE WMS SLT KDA-DOC KDWPT KFS	WPDG 106 5 Star
	KWO	Post the Kansas Wetland Restoration Guide (2012) to the KWO website and eventually to the data repository.	X					EPA NRCS NGOs KDWPT	WPDG KDWPT

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
	KWO	Set restoration goals based on agency objectives and available information. Establish measures of restoration success.	X	X	X	X	X	EPA NRCS NGOs KDA-DOC KDWPT KFS KBS	WPDG SWPF WPDG 319 SWPF KDWPT
	KWO	Develop process to review restoration and protection methods and modify as needed.	X	X	X	X	X	EPA NRCS NGOs KDA-DOC KDWPT KFS KBS	WPDG SWPF WPDG 319 SWPF KDWPT
	KWO	Consider adding protection in addition to restoration guidelines to the Restoration Guide.	X	X	X			EPA NRCS NGOs KDA-DOC KDWPT KFS	WPDG SWPF KDWPT
	KWO	Provide clear guidance on appropriate restoration and management techniques and success measures for wetland types and location.	X	X	X	X	X	NGOs KDA-DOC NRCS KDWPT EPA KFS	WPDG 319 SWPF SWAP KDWPT
	DOC	Consider watershed planning, wildlife habitat, and other objectives when selecting restoration/protection sites. Use TWIP to assist in selecting and implementing sites.	X	X	X	X	x	KWO WRAPS SLTs KFS NRCS NGOs KDWPT KBS	SWPF SWAP KDWPT

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Attain no net loss of remaining resources considering acreage, function and value									
	KDHE/ WMS	Use a watershed approach to restore wetland and riparian areas by integrating goals into WRAPS 9-Element plans. Work with WRAPS groups and KDHE to encourage wetland and riparian areas be considered as BMPs in revised plans as applicable to delist targeted impaired water bodies.	X	X	X	X	X	CDs NRCS NGOs KWO USFWS WRAPS SLT KDWPT	SWPF 319 SRF HWCG WPDG KDWPT
	KWO	Encourage modification of farm ponds to include or enhance wetland functions in WRAPS and other watersheds. Seek funding to establish demonstration sites for this practice.	X	X	X	X	X	NRCS KDA-DOC KDWPT	NRCS WPDG SRF 106
	DOC	Promote wetland and riparian restoration and protection through implementation of the Kansas Nutrient Reduction Initiative. Use TWIP to locate potential wetland restoration and protection sites.	X	X	X	X	X	KWO KDHE WMS WRAPS SLT PLOs KDWPT	NRCS KDA-DOC KDWPT
	KWO	Promote wetland and riparian restoration and protection through implementation of the Kansas Reservoir Protection Initiative.	X	X	X	X	X	KDHE WMS WRAPS SLT KDA-DOC NRCS KDWPT KFS	KWO
	KWO	Encourage restoration outcomes that create self-sustaining systems and reduce need for ongoing management.	X	X	X	X	X	CDs NRCS NGOs KWO USFWS	SWPF 319 SRF HWCG WPDG

								WRAPS SLT KDWPT	KDWPT
Action	**Lead Agency**	**Planned Activities**	**2019**	**2020**	**2021**	**2022**	**2023**	**Potential Partners**	**Potential Funding**
	IRT	Continue efforts to establish high quality functional wetland and stream mitigation banks and in-lieu fee programs by continued participation on the interagency review team.	X	X	X	X	X	All IRT agencies	COE
Update state wetland and riparian information and post on KWO website for public education and information to gain support for wetland and riparian protection and restoration									
	KWO	In the short term, scan existing WARP documents and post to the KWO website.	X						All agencies NGOs
	KWO	Update state wetland and riparian information prepared by the WARP team and provide in repository for public education and information to gain support for wetland and riparian protection and restoration. See Monitoring and Assessment section.	X	X	X			KDHE WMS KDA-DOC KDWPT NRCS KFS KBS PLJV Academia	WPDG SWPF
	KWO	Begin compilation of historic and current information to be included in the wetland and riparian data repository. See Monitoring and Assessment section.	X	X	X			KDHE WMS KDHE TSS KDA-DOC KDWPT NRCS KFS KBS PLJV Academia	WPDG SWPF

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Expand delivery of wetland and riparian information to other platforms									
	KWO	Use a broader array of media for messages about wetland and riparian protection. Platforms include You Tube, podcasts, Facebook, Twitter, Instagram, videos, story maps and other innovative approaches.	X	X	X	X	X	KDHE WRAPS KDA-DOC KDWPT NRCS KFS KBS MARC	SWPF WPDG Agencies
	KWO	Use geographic distribution data to target specific audiences such as younger farmers and veterans who are becoming new farm managers.	X	X	X	X	X	NGOs KDA-DOC NRCS	All agencies
Support development of Best Management Practices to protect and restore wetland and riparian areas									
	KWO	Update “Management Practices for Wetland and Riparian Areas” and post to KWO website and eventually to repository.	X	X				KDHE WMS KDA-DOC PLJV KDWPT NRCS KFS	WRAPS SWPF SRF
	KDHE WMS	Continue to plan and implement demonstration projects for management practices in wetland and riparian areas.	X	X	X	X	X	CDs NGOs NRCS PLJV KDA-DOC KFS WRAPS SLT	SWPF
	KDHE WMS	Use information gained from past WPDGs to prioritize demonstration projects.	X	X	X	X	X	WRAPS SLT KDA-DOC NGOs NRCS	WPDG

								PLJV KBS	
Action	**Lead Agency**	**Planned Activities**	**2019**	**2020**	**2021**	**2022**	**2023**	**Potential Partners**	**Potential Funding**
	KWO	Incorporate information from above projects into the Wetland Restoration Guide.	X	X				KWO NGOs KDA-DOC KFS	WPDG SWPF NRCS
	PLJV	Use information from the "Characterization of Playa Wetlands" to develop and promote BMPs for playas.	X	X				KWO NRCS NGSs KDA-DOC PLJV	WPDG SWPF NRCS
Optimize sustainable and multipurpose uses of wetland and riparian areas									
	KWO	Update "Local Planning Guide for Wetland and Riparian Areas" document and post to website/riparian repository.	X	X				MARC KDA-DOC PLJV KACPZO KCAPA KFS	WPDG SWPF
	KWO	Use results from past projects to promote multipurpose uses of wetland and riparian areas.	X	X	X	X	X	MARC KDHE WRAPS SLT KFS KDA-DOC PLJV KACPZO KCAPA	WPDG KDHE KDA-DOC PLJV

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Continue support of Playa Lakes Joint Venture efforts to gain more understanding about Playa Lake benefits and functions									
	PLJV	Continue support of and participation in PLJV development of Decision Support Systems.	X	X	X	X	X	NRCS KDA-DOC KDWPT KDHE WMS KWO NGO	PLJV WPDG
	KBS	Support PLJV efforts to improve playa inventory, information and watershed delineation by applying TWIP and other field and GIS-based assessments as funds become available.	X	X	X			PLOs KGS KWO PLJV KBS USGS NRCS	PLJV WPDG
	KWO	Support PLJV efforts to assess historic impacts to playas and determine their current condition.	X	X	X	X	X	USGS KGS KBS NRCS PLJV	PLJV NRCS SWPF
	KWO	Support PLJV efforts to promote ecosystem services provided by playas. Support research to improve understanding of the relationship between playas and aquifer recharge.	X	X	X	X	X	USGS PLJV KBS NRCS KGS DU	All agencies
Increase efforts to protect playa wetlands through partnership with PLJV and others									
	KWO	Support PLJV efforts to develop Local Conservation Partnerships within playa priority areas, especially in areas with biological priorities.	X	X	X	X	X	PLJV DU NRCS KDWPT KDA-DOC	PLJV NGOs

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
	KAWS	Continue annual Playa Lakes Technical Workshops and Tours	X	X	X	X	X	PLJV KDWPT NRCS KDA-DOC	All agencies

Core Element: Monitoring and Assessment

Goal 1. Increase the knowledge base about Kansas' wetland systems through surveying, monitoring, research and assessment to establish wetland condition, document status and trends, and identify pollutants and impairments affecting wetland change.

Goal 3. Develop and maintain a geospatial database to track historic wetland loss, new wetland gain, wetland compensation and other wetland areas. Use the database to assess and evaluate progress and incorporate into agency decision making. Develop an accessible statewide repository for storing wetland and riparian information and identify other sources of Kansas wetland information and data (i.e. other private, state and federal websites and data bases).

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Continue monitoring of public and private wetlands									
	KDHE BOW	Monitor select public wetlands annually and on a rotating basis and track monitored sites. Prepare annual reports and assessments.	X	X	X	X	X	KDA-DOC KDWPT USFWS PLJV	106
	KDHE BOW	Continue to use Adamus et al. 1987 assessment tool to determine wetland functions until KS RAM is developed (see Monitoring and Assessment).	X	X	X	X	X	KDWPT	106

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
	KDHE	Identify other sources for monitoring information in the state.	X	X				KGS USGS	106
	KWO	Maintain data in data repository.	X	X	X	X	X	DASC	All agencies
Develop and implement an easily accessible repository of wetland and riparian knowledge									
	KWO	Compile information into a GIS-based system about wetland and riparian knowledge, past and present, including research, data, and other studies performed by scientists, government, academics and others.	X	X	X	X	X	KDHE/ WMS KDWPT KBS KFS KWO USFWS USGS KGS NRCS EPA DASC KDA-DOC Academics	SWPF WPDG
Integrate wetland and riparian information into a geographic information system to facilitate use of these databases with other natural resource information									
	KWO	Coordinate with state water quality program to identify shared goals and objectives.	X	X	X	X	X	KDHE KGS IUSGS	SWPF
	KWO	Work with DASC to develop a uniform database that supports program objectives and complements existing databases including the NWI and NHD. Post to KWO website and maintain in repository.	X	X	X	X	X	MARC KDHE/WMS KDA-DOC PLJV KBS KDWPT NRCS	WPDG 106 SRF

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
	KDHE	Geo-reference data as it is gathered for reporting.	X	X	X	X	X	KDHE KWO KGS USGS	SWPF 106
	DASC	Track monitoring data in a system that is accessible and updated on a timely basis.	X	X	X	X	X	KDHE KWO KDWPT KGS USGS	SWPF 106
	DASC	Administer and continually update data system to be used for analysis.	X	X	X	X	X	KDHE KWO KGS KDWPT USGS	SWPF 106
	KWO	Track restoration/protection sites.	X	X	X	X	X	KDA-DOC NRCS USFWS NGOs WRAPS SLT	WPDG 106 SRF
	KWO	Develop an historic wetland baseline, the current wetland extent and determination of current ecological function, condition and services.	X	X	X			KDHE BOW KDA-DOC PLJV KBS KDWPT	WPDG 106 319 SRF
Develop a Rapid Assessment Method (RAM) for Kansas									
	KWO	Identify a valid set of reference wetlands.	X	X	X	X	X	KDHE BOW KBS KDWPT Contractor	106

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
	KWO	Select a core set of indicators, or a suite of functions, to represent wetland condition in gradient from unimpaired to impaired.	X	X	X	X	X	KDHE BOW KBS KDWPT Contractor	WPDG 106 SRF
	KWO	Develop methodology of the wetland RAM.	X	X	X	X	X	KDHE BOW KBS KDWPT Contractor	WPDG 106 SRF
	KWO	Conduct field verification studies to refine wetland RAM.	X	X	X	X	X	KDHE BOW KBS KDWPT Contractor	WPDG 106 SRF
	KWO	Submit for review and comment and finalize RAM.	X	X	X	X	X	KDHE BOW KBS KDWPT	WPDG 106 SRF
Complete, follow up, add to or modify ongoing monitoring and assessment efforts									
	KWO	Continue to investigate and document the relationship between high quality streams and high quality wetlands. Use this information to promote wetland protection and conservation through watershed restoration and conservation programs.	X	X	X	X	X	KDHE BOW KBS KDWPT	WPDG 106 SRF HWCG
	KBS	Apply TWIP to remaining 700 HUC 12s.	X	X	X			KBS	WPDG KWO SWPF 106

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
	KDHE WRAPS	Install and monitor pond-to-wetland conversion demonstration sites to ensure goals are being reached and modify designs as need to meet goals. Promote the practice.	X	X	X	X	X	KDHE BOW WRAPS SLT KDA-DOC NRCS KBS	SRF WPDG 106 SRF
Utilize potential wetland and riparian area locations in WRAPS watersheds to achieve TMDL and other WRAPS goals; direct resources to priority areas									
	KDHE WMS	Overlay TWIP Potential Wetland Areas with watershed restoration needs. Work with WRAPS groups to include wetland and riparian protection enhancement and restoration into 9-Element plans when plans are revised as appropriate to meet delisting objectives in streams.	X	X	X	X	X	WRAPS SLT KDA-DOC	WPDG
Monitor and assess role of climate variation on wetlands									
	KBS	Analyze changes in wetland condition or extent in response to climate variation.	X	X	X	X	X	KDHE KGS USGS KDWPT	106 WPDG
	KBS	Utilize newly established Haskell Indian Nations University regional wetland monitoring site established by EPA to monitor impacts of climate variation on wetland systems.	X	X	X	X	X	KDHE HINU	106

Core Element: Regulatory

Goal 5. Provide effective and responsible levels of protection and restoration of Kansas' wetlands and riparian areas through continued coordination and implementation of the existing regulatory program.

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Use existing authorities to protect wetland areas									
	DWR	Emphasize protection of wetland resources impacted by water development projects through the Water Projects Environmental Coordination Act.	X	X	X	X	X	ICT	All agencies
	ICT	Use joint review processes and policies to actively review impacts to waters of the state.	X	X	X	X	X	ICT	All agencies
	DWR	Consider impacts to wetland resources in the administration and enforcement of the Water Appropriation Act.	X	X	X	X	X	ICT	All agencies
	ICT	Work cooperatively with federal agencies to improve effectiveness of federal wetland regulatory programs through participation on the Interagency Coordination Team.	X	X	X	X	X	All agencies	All agencies
	KDHE WMS	Continue 401 certifications for projects that impact wetlands with emphasis on avoiding water quality standard violations through implementation/compliance of certification conditions. Track permit/certifications program activity.	X	X	X	X	X	ICT KACPZO KCAPA LPZA	319 WPDG

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Support and encourage local planning efforts affecting wetlands									
	KWO	Encourage incorporation of the conservation of valuable wetland and riparian areas into local comprehensive land use plans and utilization of existing planning and zoning regulatory measures as appropriate to implement the plan.	X	X	X	X	X	KCAP KACPZO LPZA CDs MARC KDHE WRAPS SLT	5 Star HWCG

Core Element: Water Quality Standards

Goal 5. Provide effective and responsible level of protection and restoration of Kansas' wetlands through continued coordination and implementation of the existing regulatory program.

Action	Lead Agency	Planned Activities	2019	2020	2021	2022	2023	Potential Partners	Potential Funding
Continue to compile data from public and private wetlands to be available as reference data should the state decide to develop wetland specific water quality standards									
	KDHE BOW	Gather and analyze monitoring data and other information that can be used as basis for water quality standards.						KDA-DOC KDWPT USGS KGS	WPDG 106
	KDHE BOW	Seek opportunities to collect additional water quality samples in	X	X	X	X	X	PLOs NRCS	WPDG EPA 106

		private and public wetlands not currently sampled.						KDWPT NGOs KDA-DOC	
Action	**Lead Agency**	**Planned Activities**	**2019**	**2020**	**2021**	**2022**	**2023**	**Potential Partners**	**Potential Funding**
	KDHE BOW	Continue to sample public wetlands in the KDHE water quality monitoring network.	X	X	X	X	X	KDWPT KDA-DOC KBS	EPA WPDG
	KDHE BOW	Combine potential reference wetland water quality data with routine monitoring and assessment data to begin to identify reference streams.	X	X	X	X	X	KBS USFWS KDWPT	106 WPDG
Continue to protect wetlands through existing water quality standards and designated uses and develop TMDLs as necessary									
	KDHE BOW	Encourage acknowledgement of the role of healthy wetland and riparian areas in improving water quality.	X	X	X	X	X	WRAPS	106

Appendix 1
List of Acronyms

Acronym	Agency/Program
CD	Conservation Districts
COE	U.S. Army Corps of Engineers
DASC	Data Access and Support Center
DU	Ducks Unlimited
EDE	Energy Development Entities
EPA	Environmental Protection Agency
5 Star Grants	Five Star Urban Waters Grant
HINU	Haskell Indian Nations University
HUC	Hydrologic Unit Code
HWCG	Healthy Watershed Consortium Grant
ICT	Interagency Coordination Team
IRT	Interagency Review Team
KACPZO	Kansas Association of County Planning and Zoning Officials
KCAPA	Kansas Chapter of the American Planning Association
KBS	Kansas Biological Survey
KDA-DOC	Kansas Department of Agriculture – Division of Conservation
KDHE	Kansas Department of Health and Environment
KDHE-BOW	Kansas Department of Health and Environment Bureau of Water
KDHE-WMS	Kansas Department of Health and Environment Watershed Management Section
KDWPT	Kansas Department of Wildlife, Parks and Tourism
KFS	Kansas Forest Service
KGS	Kansas Geological Survey
KU	University of Kansas
KWO	Kansas Water Office

LPZA	Local Planning and Zoning Authorities
MARC	Mid-America Regional Council
NC EFC	North Carolina Environmental Finance Center
NGO	Non-governmental Organizations
NHD	National Hydrography Dataset
NRCS	Natural Resource Conservation Service
NWI	National Wetland Inventory of US Fish and Wildlife Service
PLJV	Playa Lakes Joint Venture
PLO	Private Land Owners
SLT	Stakeholder Leadership Team
SRF	State Revolving Loan Fund
SWAP	State Wildlife Action Plan
SWPF	State Water Plan Fund
TWIP	Topographic Wetland Identification
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
WARP	Wetland and Aquatic Resources Plan
WMS	Watershed Management Section
WPDG	Wetland Program Development Grants
WRAPS	Watershed Restoration and Protection Strategies
106	Section 106 of CWA
319	Clean Water Act Section 319 grant funds
401	Clean Water Action Section 401 water quality certification

Appendix 2
Interagency Review Team

The Interagency Review Team (IRT) is an assemblage of federal, state, local, and/or tribal natural resource agencies that the Corps of Engineers must assemble for the review of proposed compensatory mitigation banks and/or in-lieu fee (ILF) mitigation programs. The Corps' approved banks and ILF programs in Kansas are strictly used to provide compensatory mitigation for the Corps permit recipients.

The function of the IRT is to review and to provide consultation (comments) to the Corps concerning the content of the final mitigation banking instrument and/or the final ILF program instrument. The IRT reviews the bank or ILF prospectus, the draft instrument, and the final instrument and provides comments and concurrences if the agency agrees to the content of the final instruments. The IRT member agencies may or may not sign the final instrument. The participating agencies in Kansas are the USEPA, the USFWS, and the KDWP&T. KDHE does not participate.

Appendix 3
Interagency Coordination Team

The Interagency Coordination Team (ICT) represents a broader and more informal set of groups with an interest in wetland issues. Meetings usually occur quarterly and are chaired by the COE. Typical attendees include USFWS, KDHE, KDWPT, EPA, NRCS, DWR, KWO, KDOT, and COE personnel from Kansas and KC offices (and sometimes county engineers). The purpose of this forum is to discuss any new issues or policy from the Corps, and also any issues of concern to attendees that involve other natural resource agencies.

Appendix 4
Kansas ESTP Program Actions

Kansas ESTP Program Actions	Date:	D = Developing; State/Tribe is currently making progress on this action, but not yet considered complete C = Completed; State/Tribe has completed the action I = Improving; State/Tribe is working to update, improve, or making progress on additional activities under an action already completed. NOTE: This activity will not be considered a new "Completed Action" for WT-04 reporting purposes	
Action #	**Action**	**KS**	**Justification**
Core Element: Monitoring and Assessment			
Objective 1: Develop a monitoring and assessment strategy consistent with Elements of a State Water Monitoring and Assessment Program for Wetlands (EPA, 2006) that states and tribes can use to manage wetlands according to their objectives			
1	a. Identify program decisions and long-term environmental outcome(s) that will benefit from a wetlands monitoring and assessment program		
2	b. Define wetlands monitoring objectives and strategies	D	
3	c. Develop monitoring design, or an approach and rationale for site selection that best serves monitoring objectives (e.g., census, probabilistic survey, rotating basin)	D	
4	d. Select a core set of indicators to represent wetland condition or a suite of functions	D	
Objective 2: Implement a sustainable monitoring program consistent with the wetlands monitoring strategy			
5	a. Ensure the scientific validity of monitoring and laboratory activities	D	
6	b. Monitor wetland resources as specified in strategy	D	
7	c. Establish reference condition	D	
8	d. Track monitoring data in a system that is accessible, updated on a timely basis, and integrated with other state or tribal water quality data	D	
9	e. Analyze monitoring data to evaluate wetlands extent and condition/function to inform decision-making	D	
Objective 3: Incorporate monitoring data into agency decision-making			
10	a. Evaluate monitoring program to determine how well it is meeting a state/tribe's monitoring program objectives	D	
11	b. Evaluate the environmental consequences of a federal or state/tribal action or group of actions; modify programs as needed based on monitoring and assessment data		
12	c. Improve the site-specific management of wetland resources		
13	d. Develop geographically-defined wetland protection, restoration, and management plans	D	
Core Element: Regulation			
Objective 1: Clearly define the jurisdictional scope of the program			
14	a. Provide clear and comprehensive jurisdictional coverage of aquatic resources	D	
15	b. Clearly identify a comprehensive scope of activities to be regulated		
16	c. Proved clear guidance to the public on how to identify jurisdictional waters and activities		
17	d. Evaluation		

Objective 2: Administer regulatory activities efficiently and consistently			
18	a. Adopt regulations or rules to implement state/tribal and/or federal water quality statutes		
19	b. Develop and operate according to a clear and effective set of criteria for reviewing and responding to applications	D	
20	c. Actively review proposed impacts to waters of the state	D	
21	d. Adopt and apply comprehensive project review criteria		
22	e. Coordinate among agencies, programs, and industry groups to reduce duplicative efforts by the programs and the regulated public	D	
23	f. Require effective mitigation for authorized impacts	D	
24	g. Track permit/certification program activity		
25	h. Track/Evaluate		
Objective 3: Evaluate regulatory activities to ensure environmental results			
26	a. Monitor the implementation of permit/certification conditions		
27	b. Enforce aquatic resource protections		
28	c. Ensure impact assessments and mitigation crediting lead to replacement of aquatic resources with similar structural, functional, or condition attributes		
29	d. Incorporate the watershed approach into the regulatory decision-making process	D	
30	e. Perform public education and outreach about wetland protection, regulated waters and activities, and authorization process		
31	f. Measure environmental results		
Core Element: Voluntary Restoration and Protection			
Objective 1: Clearly and consistently define restoration and protection goals throughout state or tribal territory			
32	a. Establish goals that are consistent or compatible across relevant agencies	D	
33	b. Consider watershed planning, wildlife habitat, and other objectives when selecting restoration/protection sites	D	
34	c. Provide clear guidance on appropriate restoration and management techniques and success measures	D	
Objective 2: Protect wetlands from degredation or destruction			
35	a. Establish partnerships to leverage additional protection	D	
36	b. Establish and institutionalize long term protection, using mechanisms such as incentives, purchase of land title or easements to protect wetlands		
Objective 3: Restore wetland acres, condition, and function			
37	a. Increase wetland acreage through restoration (re-establishment)	D	
38	b. Improve natural wetland conditions and functions through restoration (rehabilitation)	D	
39	c. Establish partnerships to leverage more restoration	D	
Objective 4: Monitor and track progress over time, document results, and modify practices as appropriate			
40	a. Track restoration/protection projects	D	
41	b. Monitor restoration/protection sites to ensure that they are implemented and managed correctly and linked to relevant watershed planning efforts	D	
42	c. Modify restoration/protection techniques as needed		

Core Element: Water Quality Standards for Wetlands			
Objective 1: Ensure that wetlands are treated as waters within state and tribal water quality programs			
43	a. Adopt an appropriate definition of wetlands	C	BASELINE
44	b. Ensure the appropriate wetlands definition is included in water quality standards	D	
Objective 2: Develop wetland-specific water quality standards			
45	a. Gather and analyze monitoring data and other information that will become basis of water quality standards	D	
46	b. Establish and adopt appropriate wetland specific designated uses to be achieved and protected	D	
47	c. Establish and adopt narrative criteria that qualitatively describe the condition or suite of functions that must be achieved to support a designated use		
48	d. Establish and adopt numeric criteria representing wetland specific values for chemical, physical, and biological parameters that may not be exceeded, must be exceeded, or some combination to protect or restore designated uses		
49	e. Better define state/tribal antidegradation policies for wetlands, requiring full protection of existing uses (functions and/or condition), maintenance of functions/condition in high quality wetlands, and a prohibition against lowering functions/conditions in outstanding national resource waters	D	
Objective 3: Incorporate wetland specific water quality standards into agency decision making			
50	a. Use water quality standards as basis for regulatory decisions	D	
51	b. Use water quality standards as basis for evaluating restoration/protection projects and mitigation/compensation projects	D	
52	c. Incorporate water quality standards into monitoring and assessment program	D	
	State Summary - Completed	1	
	State Summary - Development	32	
	State Summary - Improvements	0	