### Clear Creek Watershed/Storage Study Wyoming Water Development Commission

Sponsored by:

Lake DeSmet Conservation District

&
Sheridan County Conservation District

#### Consultant:

States West Water Resources Corporation - Cheyenne, Wyoming

#### **Subconsultants:**

DOWL HKM - Sheridan, Wyoming

**Anderson Consulting Engineers – Fort Collins, Colorado** 

RJH Consultants - Englewood, Colorado

Western EcoSystems Technology, Inc. – Cheyenne, Wyoming

Watts & Associates - Laramie, Wyoming

Leonard Rice Engineers - Denver, Colorado

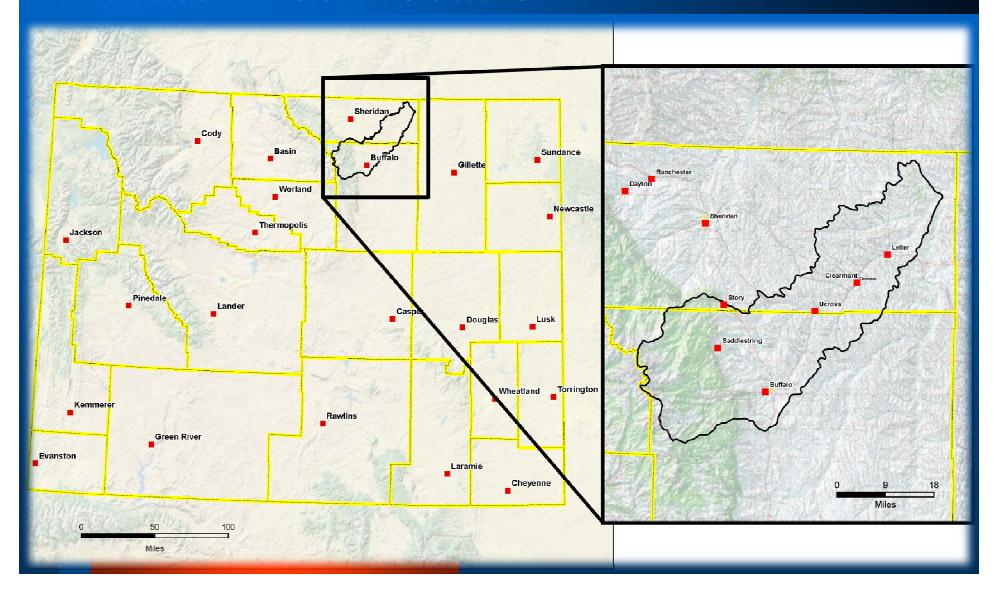
Wyoming State Archeological Survey - Laramie, Wyoming

# Project Purpose

- Inventory and describe the Clear Creek watershed
- Develop a GIS of compiled data
- Streamflow data collection
- Develop rehabilitation plans and projects for watershed infrastructure
  - Upland Water
  - Channel Stability
  - Irrigation Rehabilitation
  - Water Storage



# Watershed Location



# Background

 After initial interest from landowner and discussion about Conservation District sponsorship, various meetings were held by WWDO staff in 2007 and 2008 to inform the community and conservation districts of the WWDC's watershed study process and to get consent before proceeding with the study in summer of 2009.

Oct. 2007 - Buffalo Landowner Meeting

Nov. 2007 – Sheridan Landowner Meeting

**May 2008 – Clearmont Landowner Meeting** 

July 2008 – Buffalo Landowner Meeting

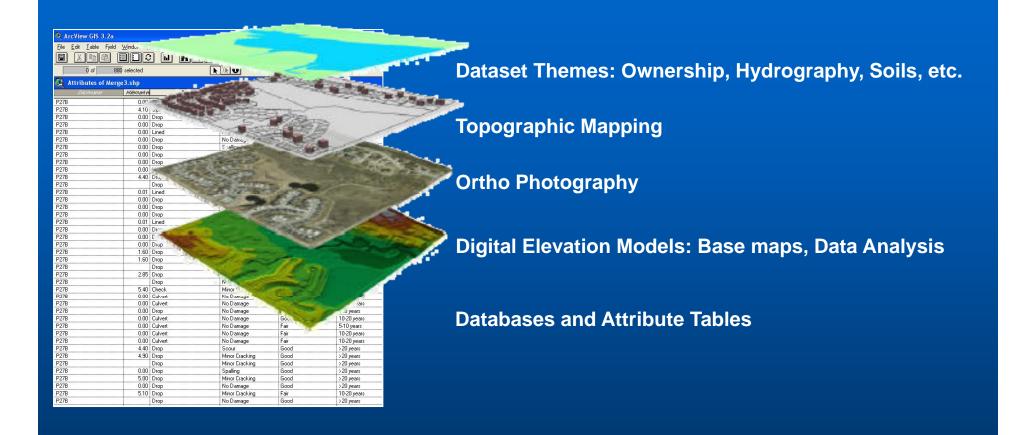
July 2008 – Sheridan Landowner Meeting

Dec. 2008 – LCCD Board Meeting

Jan. 2009 – SCCD Board Meeting



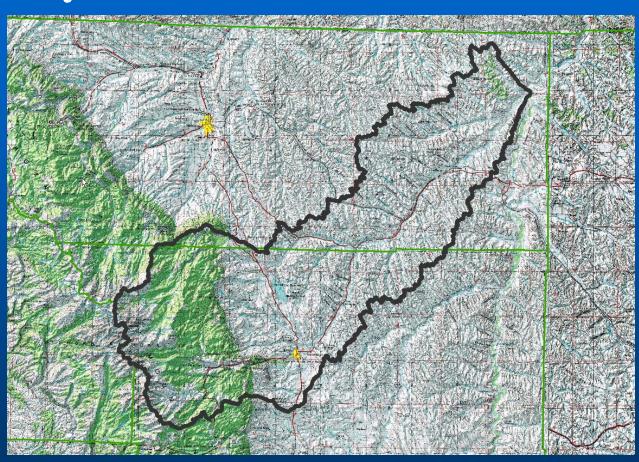
### GIS Development



Comprehensive "Clearinghouse" of Project Information

### Data Collection: Geographic Information System Contents

- •Backgrounds
  - Aerial Photos
  - •Topographic Maps
- •Climate
- •Cultural / Historical
- •Environmental
- •Geology
- •Geomorphology
- •Hydrology
- •Infrastructure
- •Irrigation
- •Mining
- •Oil and Gas
- Ownership
- •Political Boundaries
- •Range Management
- •Soils
- •Watershed Management Plan Components



GIS Becomes a valuable tool for the future

### **Geographic Information System**

### Hot Linked Information

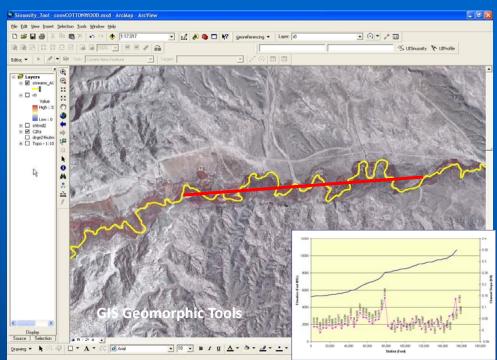
- Reservoir site information
- Climate data
- Temporary stream gauge data
- Irrigation structure and canal remediation info
- Geomorphic photo points
- Wetland assessment reports
- Ecological site descriptions

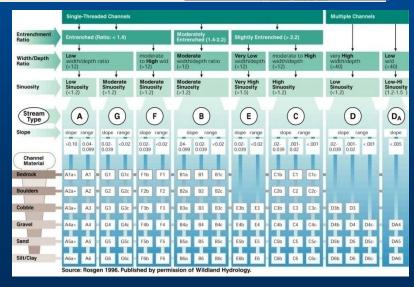
### Watershed Inventory and Description

- Basin Geomorphology, topography, geography, population centers, land ownership
- Geology, soils, precipitation, climate
- Surface water availability and watershed hydrology
- Groundwater availability and aquifer characterization
- Plant communities / grazing resources
- Pipelines, roads, railroads, easements
- Mining
- Irrigation diversions and irrigated lands
- Existing water quality data and irrigation suitability
- Wetlands
- Wildlife habitat / fisheries

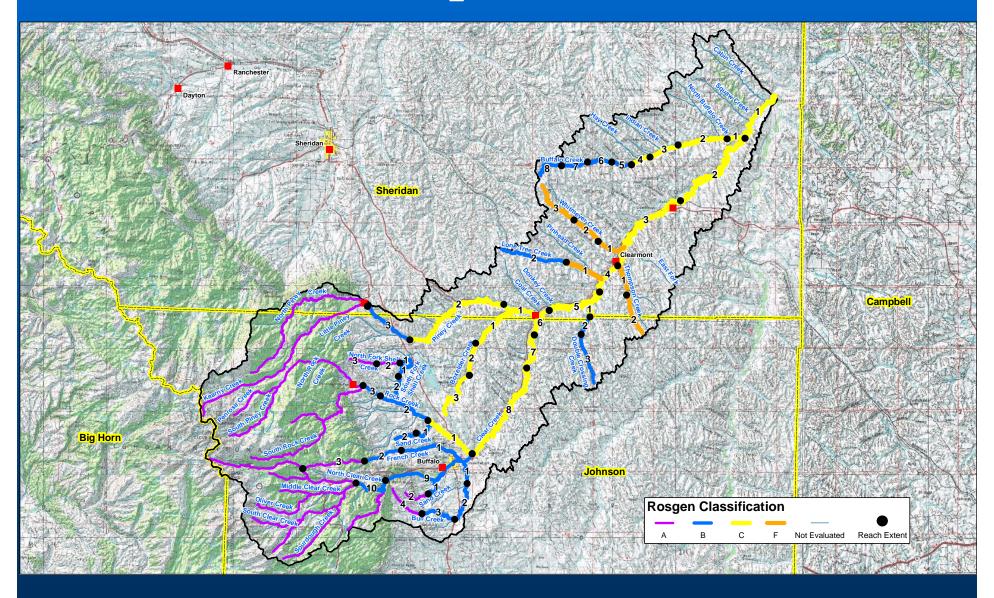
### Geomorphic Investigation

- Study of land formation under processes associated with running water
- Rosgen Level I Assessment
- Conduct aerial photograph comparison
- GIS representation of headcut/nickzone locations
- Identify nature and magnitude of issues
- Provide insight to impact of alternative improvements on channel stability

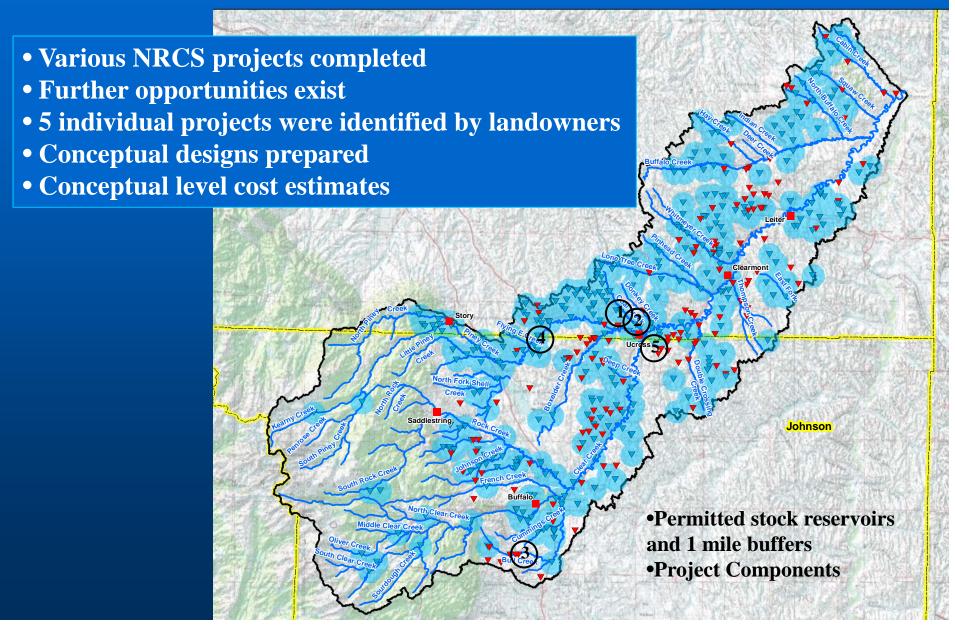




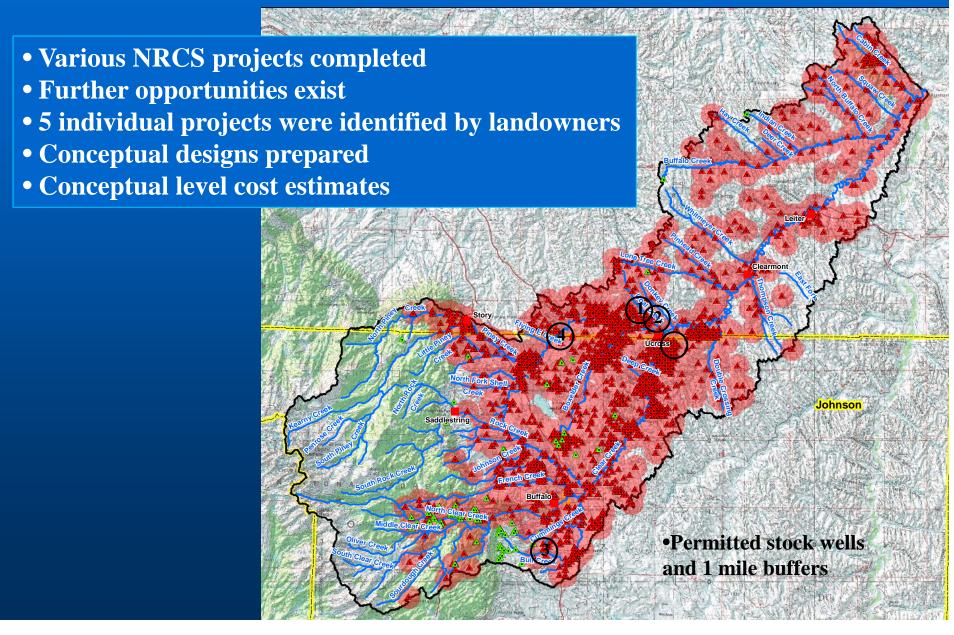
# Level I Geomorphic Characterization



### Upland Water Projects



### **Upland Water Projects**



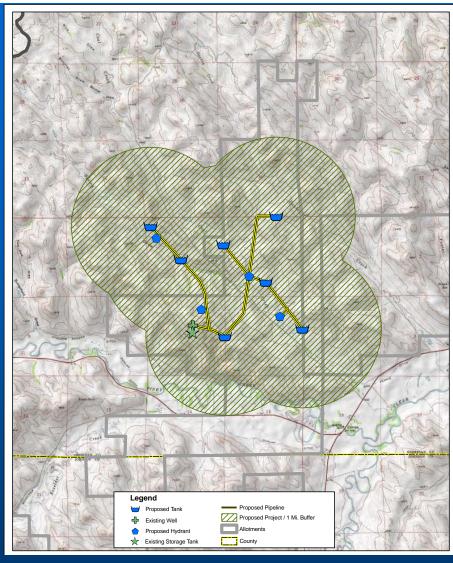
# Upland Projects

For these projects to go forward:

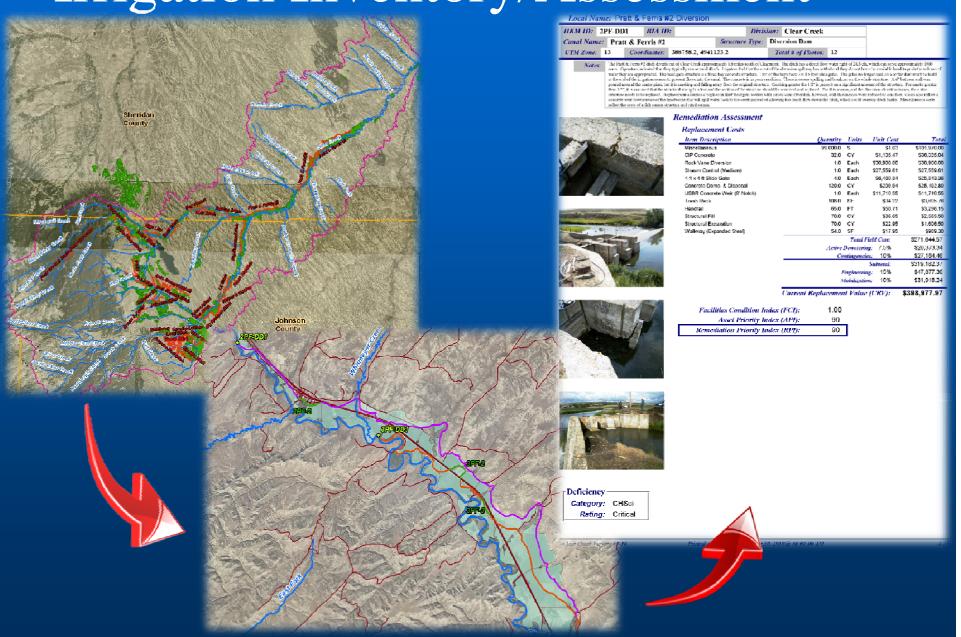
- •Application to WWDC Small Water Projects by December 31
- •Approval for funding
- •Coordination with BLM if appropriate (Scheduling, NEPA compliance, etc)

Watershed Plan Component: Upland Wildlife / Livestock Water Projects

Project Number	Project Name	Pipeline (lineal feet)	Stock Tanks (number each)	
Upland 1	Apache Ranch Phase	Sahara Draw	36,375	7
Upland 2	Apache Ranch Phase	Sahara Draw	33,000	5
Upland 3	Nelson	T.W.	4,500	1
Upland 4	Wilwauka Ranch	Private Lands	800	1
Upland 5	Vignaroli	State Lands	32,125	7
		Total	20 miles	21







### Purpose of Assessment

- To identify issues with water supply, conveyance loss and seepage
- Identify needed rehabilitation of irrigation infrastructure
- Make recommendations for upgrades and improvements
  - Voluntary process\*\*\*
  - Identified interested parties through public meetings, open-houses, and Conservation Districts
  - Interested parties were contacted, and visited to discuss issues

### Sub-Basins – Visited Systems

### Clear Creek

- McKinney Ditch
- Six Mile Ditch
- Johnson-Holt Ditch
- Crown Ditch
- Carwile-Lobban Ditch
- Ladd Ditch
- Clear Creek Ditch

- Big Redman Ditch
- Hillery & Onslow Ditch
- LX Ditch
- Frank Hopkins Ditch
- Big Bonanza Ditch
- Pratt & Ferris #2 Ditch
- Pratt & Ferris #3 Ditch

# Sub-Basins – Visited Systems

- French Creek
  - Brown and Foster
- Johnson Creek
  - Johnson Ditch
  - Johnson #2

- Rock Creek
  - Fox Ditch
  - Hallie Ditch
  - Lake Desmet (M&M) Ditch
  - Last Chance Ditch
  - Prince Albert Ditch
  - Ono Ditch

# Sub-Basins – Visited Systems

- Piney Creek
  - Rock Creek & South Piney Diversion
  - Piney Divide Ditch
  - Little Piney Ditch
  - Leiter Ditch
  - High Line Ditch
- Boxelder Creek
  - Dave Belus
  - Phil Wohlbrandt

- Senff Ditch
- Sturdovant Ditch
- WJD Ditch
- Dunlap Ditch
- Pratt & Ferris #1

### Condition Assessment Database

#### Asset Priority Index (API) Rating

20 Lateral Diversion / Flow Measurement Headgate, Weir	Rating	Function	Structure Types
30 Regulation / Fish Protection Check, Wasteway, Fish Ladder, Fish Scree 20 Lateral Diversion / Flow Measurement Headgate, Weir	50	Primary Diversion	Diversion Dams, Headworks
20 Lateral Diversion / Flow Measurement Headgate, Weir	40	Conveyance	Siphon, Flume, Pump, Drop, Chute
<u> </u>	30	Regulation / Fish Protection	Check, Wasteway, Fish Ladder, Fish Screen
10 Delivery Turnout	20	Lateral Diversion / Flow Measurement	Headgate, Weir
- control cont	10	Delivery	Turnout

#### **API Significance Rating**

Rating	(cfs)						
	Minimum	Maximum					
50	40	100					
40	25	39					
30	17	24					
20	6	16					
10	0	5					

Structure database compiles site description and uses canal capacity, structure type to identify structure importance with respect to other structures in database. Establishes structure priority index

Database also compiles rehabilitation vs. replacement costs. This ratio is a component in the structure priority index

#### Local Name: Big Redman Diversion

HKM ID: BR-DD1 BIA ID: Die					Clear Creek	
Canal Name: Big		Structure Type:	Dive	ersion Dam		
UTM Zone: 13	Coordinates:	368535.5, 49133	00.3	To	tal # of Photos:	6

The IIg Rathons Dish divents from Clase Crosk approximately 6.5 miles and of the Intentian 80 ownspars of of US Highway 16 Intent 1 to 40 th flows approximately 4.5 miles. It has a differ two water right of 17 4.6 which can we approximately 1.00 owns. The diventure mixture in composite of large contents wing uptall and handwall say good and the controls from through a 6° x of CMP and pipe. The concents flower the risks which causes leakage and piping account the arth pipe and entally lead to a complete weather of the pipe. Reference construction at the handlesges in a time. There is no obtaining that the varied after the reference of the control of the region of the



#### Remediation Assessment

#### Rehabilitation Costs

Item Description	Quantity	Units	Unit Cost	Total
Miscellaneous	66,000.0	Ş	\$1.00	\$66,000.00
RCP 5 D	18.0	FT	\$384.21	\$6,915.73
Stream Control (Small)	1.0	Each	\$6,614.35	\$6,614.35
CIP Concrete	5.0	CY	\$1,102.40	\$5,512.00
36" Diameter Canal Gate	1.0	Each	\$5,159.23	\$5,159.23
RCP 36" D	40.0	FT	\$128.62	\$5,144.67
Trash Rack	150.0	SF	\$33.22	\$4,982.64
Handrall	60.0	FT	\$49.23	\$2,954.02
Concrete Demo. & Disposal	5.0	CY	\$203.83	\$1,019.15
		Total 1	Field Cost:	\$104,301.79
	Active	Dewateri	ng: 7.5%	\$7,822.63
	Co	ntingenci	ies: 10%	\$10,430.18
			Subtotal:	\$122,554.60
	1	ngineeri	ng: 15%	\$18,383.19
		lobilizati	on: 10%	\$12,255.46
	Total Reh	abilitati	ion Cost	\$153,193,25





#### Replacement Costs

Item Description	Quantity	Units	Unit Cost	Total		
Miscellaneous	66,000.0	Ş	\$1.00	\$66,000.00		
Rock Vane Diversion	1.0	Each	\$30,000.00	\$30,000.00		
CIP Concrete	24.0	CY	\$1,102.40	\$26,457.60		
5-ft x 5-ft Side Gate	1.0	Each	\$8,589.90	\$8,589.90		
Structural FIII	230.0	CY	\$35.58	\$8,183.03		
RCP 5 D	18.0	FT	\$384.21	\$6,915.73		
Stream Control (Small)	1.0	Each	\$6,614.35	\$6,614.35		
36" Diameter Canal Gate	1.0	Each	\$5,159.23	\$5,159.23		
RCP 36" D	40.0	FT	\$128.62	\$5,144.67		
Structural Excavation	230.0	CY	\$22.28	\$5,123.66		
Trash Rack	150.0	8F	\$33.22	\$4,982.64		
Concrete Demo. & Disposal	24.0	CY	\$203.83	\$4,891.91		
Handrall	60.0	FT	\$49.23	\$2,954.02		
		Total 1	ield Cost:	\$181,016.74		
	Active	Dewaterii	g: 7.5%	\$13,576.26		
	Co	ntingenci	es: 10%	\$18,101.67		
		Subtotal:				
	1	\$31,904.20				
	\$21,269.47					
'	\$265,868.35					

Facilities Condition Index (FCI): 0.58
Asset Priority Index (API): 80
Remediation Priority Index (RPI): 48

Deficiency – Category:

Category: CHSci Rating: Serious

### Condition Assessment Database

- Canal Evaluation Form
  - Component of database used to evaluate canal
  - Establishes cost estimates for canal remediation
  - Remediation includes:
    - Cleaning/reshaping
    - Seepage areas
    - Canal lining installation
    - Wasteway Headcutting



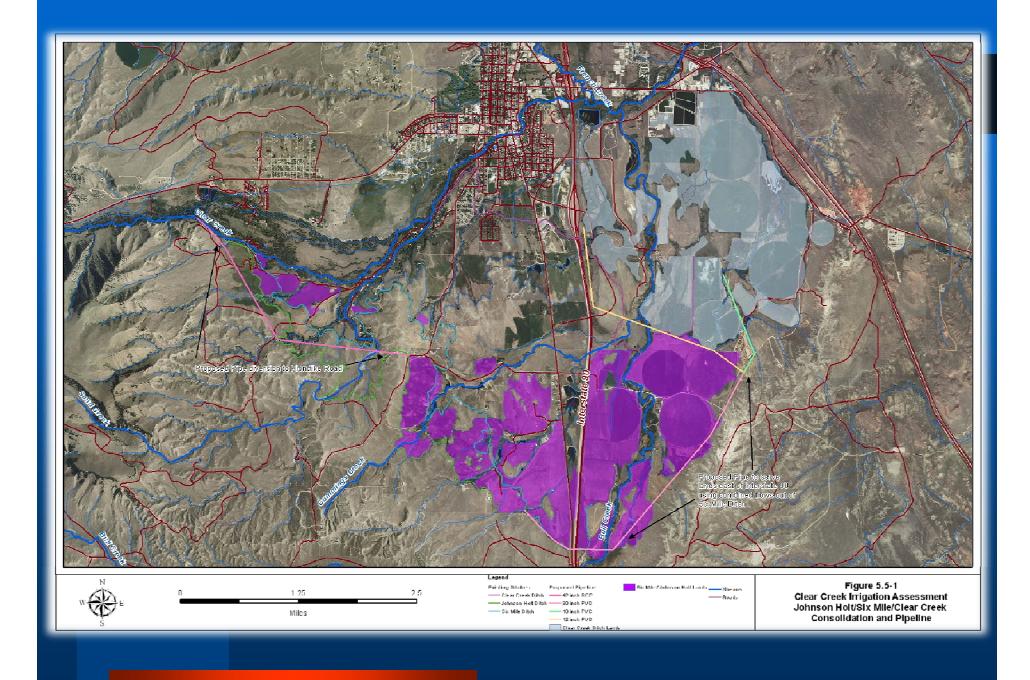
Would be most helpful tool for prioritizing projects for irrigation districts

# Conceptual Irrigation Improvements

- Conceptual improvements are additional improvements to systems other than remediating current issues. These ideas include:
- Combining ditches to reduce losses
- Developing piped systems
- Incorporating irrigation improvements with proposed storage

### Conceptual Irrigation Improvements

- Johnson Holt/Six Mile/Clear Creek
   Ditches
  - Johnson Holt/Six Mile parallel for entire length
  - Clear Creek Ditch serves ~2,100 acres east of I-90
  - Concern about Clear Creek Ditch pipe under High School
  - Pipe diversion to an enlarged Johnson Holt Ditch
  - Potentially serve lands east of I-90 by gravity feed



### Prioritized Rehabilitation Plan

- 5 Upland Water Projects
- 5 Channel Stability Projects
- 32 Ditch System Evaluated



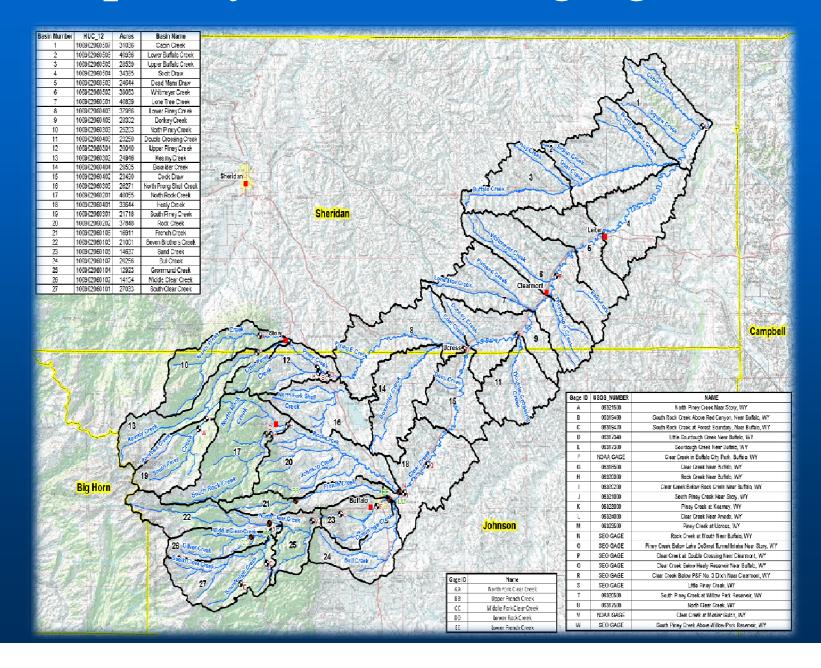
- \$3,000,000+
- 66 Canal Remediation Projects
  - \$7,000,000+
- 6 Conceptual Level Broad Scale Conservation Projects
  - \$11,000,000+

\*Great tool for future planning and budgeting

# Complete Assessment Report and Results

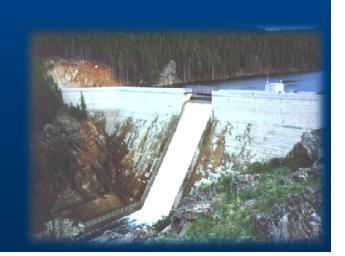
- Report will be on-line and on file at Conservation District offices for review
- GIS products, which link to assessment reports, will be accessible on-line and at Conservation District offices

# Temporary Stream Gauging



### Water Storage Evaluation

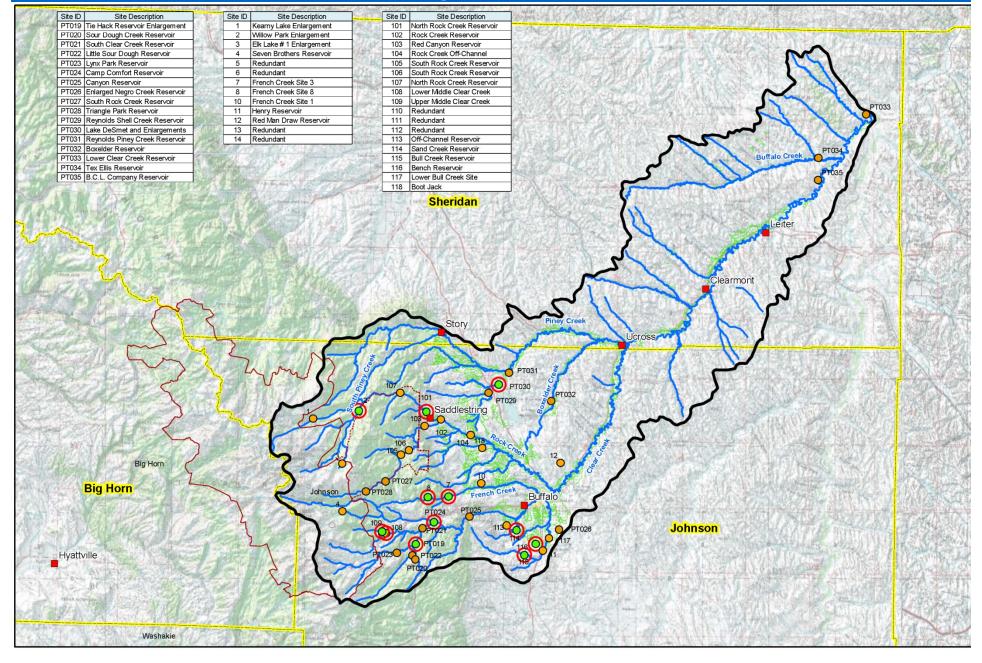
- Assess Purpose / Need
  - Multi-Purpose Projects
  - Irrigation
  - Recreation
  - Stream Flows
  - Town of Buffalo
- Quantify storage volume
  - Watershed hydrology
  - Water availability
  - Stream Gauging



### Water Storage Evaluation

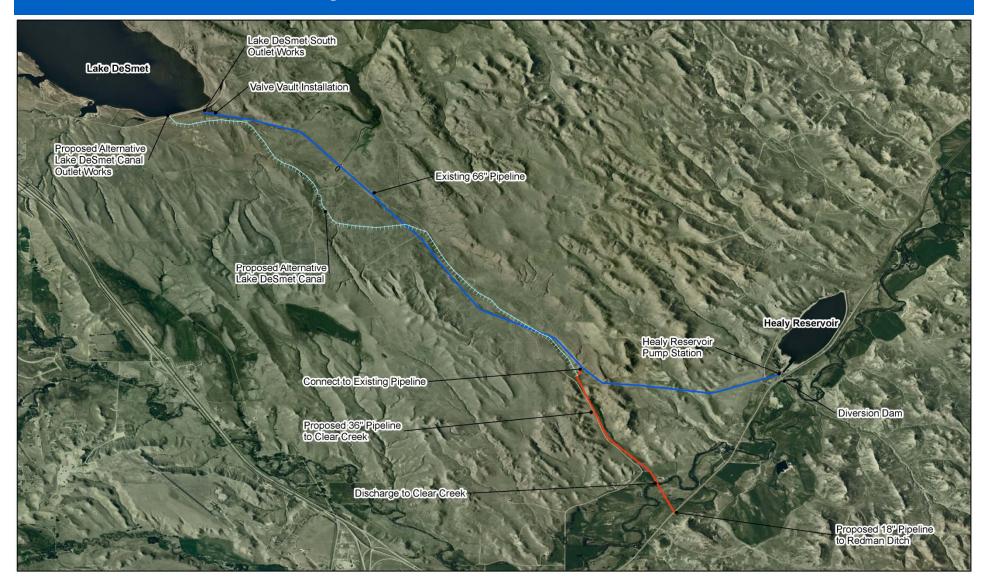
- Sites identified based on:
  - Previous studies
  - Input from landowners and sponsors
  - Areas of need
  - Topographically optimal locations
  - Availability of water
- 41 existing and potential new reservoir sites identified

# Potential Storage Sites



# Potential Storage Sites

Lake DeSmet option



# Potential Storage Sites

### Sites Matrix

				50 pmgg 1 1 p 5 1 p 1 1 1 1 1 1 1			
1	Site Name	Site PT019 - Tie Hack Reservoir Enlargement	Site PT024 - Camp Comfort Reservoir	Site PT030 - Lake DeSmet Reservoir Utilization Concept	Site 2 - Willow Park Reservoir Enlargement	Site 7 - French Creek Reservoir Site 3	Site 8 - French Creek Reservoir Site 8
	Lat/Long	44.2856, -106.9214	44.3165, -106.8883	44.4503, -106.7194	44.4656, -107.0346	44.3502, -106.8645	44.3484, -106.9015
	GIS Identifier	PT019	PT024	PT030	2	7	8
	Location	On Channel South Clear Creek	On Channel Clear Creek	Off Channel	On Channel South Piney Creek	On Channel French Creek	On Channel Cottonwood Creek
Indirect	t Supply Source	NA	NA NA	Piney Creek, Clear Creek, Rock Creek, Shell Creek	NA NA	North Clear Ck	North Clear Ck
1							
	oply Mechanism	NA	NA 10,400 and 6,000	Existing canal, tunnel, and pump station	NA 1 000 AF (	Enlarge Four Lakes Diversion 5500, 3000	Enlarge Four Lakes Diversion 5500, 2500
	ge Capacity (AF) ace Area (acres)	1,400 AF enlargement	10,400 and 6,000	80,000	4,000 AF enlargement 275	84.55	87, 64
	urface Elevation	7467	6880	Between 4615.5 and 4590	8631.5	6230, 6190	7100, 7070
	ailability (AF/yr)	1,400	3000	Secretarion Industrial Industrial	12,000	Water year 2010: ~2,000 AF	Water year 2010: ~2,000 AF
		,			All acreage under Rock and Piney Creek and non		, ,
	Acres Supplied		All acreage under Clear Creek	Upper Clear Creek basin via exchange	trib via exchange	French Ck, Johnson Ck	French Ck, Johnson Ck
Average Annual S	l Shortages (AF)	Irri: 4000, Fish: 1500	Irri: 4000, Fish: 1500	4,000		2,500 to 3,000	2,500 to 3,000
Average An	nnual Yield (AF)	1,400				3350, 1950	3310, 1630
	Uses	Municipal	Ag Irri., Municipal, Environmental, Recreation	Ag Irri., Environmental	Ag Irrigation	Ag Irri., Municipal, Environmental, Recreation	Ag Irri., Municipal, Environmental, Recreation
1	Other Benefits		Fishery flow above and through Buffalo, flat water			limited water available may preclude water	limited water available may preclude water
			recreation, flood control			delivery to Clear Ck	delivery to Clear Ck
<u> </u>	Dam Type	RCC	RCC	Earth embankment	Zoned embankment	Earth embankment or RCC	Earth embankment or RCC
Borrow Mater		Process onsite bedrock materials for RCC	Process onsite bedrock materials for RCC	NA NA	available on site	Rock avail, fine grain unknown	Rock avail, fine grain unknown
Bollow Water	eriai Avallability	Trocess driste bedrock materials for fice	Trocess disite bedrock materials for fice	TVA	available on site	Nock avail, the grant diknown	ROCK avail, thic grain diknown
D	Dam Height (ft)	20' upstream raise	220		15 raise	230, 190	230, 200
	est Elevation (ft)	7472	6890		8640.5	6240, 6200	7110, 7080
	Crest Length (ft)		1050		6000	1000, 990	800, 700
	Crest Width (ft)	37	20		20	56, 48	56, 50
Embankment Volu		50 36 (RCC)	320, 240 (RCC)			3500, 2200	2400, 900 436, 360
Storage Emi	ficiency (CY/AF) Design Flood	PMF	31, 40 (RCC) PMF		PMF	636, 733 PMF	436, 360 PMF
Relative F	Peak Flood Size	Moderate	Large		Moderate	14150 cfs	9500 cfs
	Avg Precip (in)	THOUGHT.	27		Moderate	20	20
	age Area (sq-mi)		98		34.0	11.9	6.2
	or Flood Control	Minimal	Moderate		Minimal	Moderate	Moderate
Re	teservoir Supply	South Clear Creek	Clear Creek	Piney Creek, Clear Creek, Rock Creek, Shell Creek	South Piney Creek	Enlarge Four Lakes diversion and pipe existing	Enlarge Four Lakes diversion and pipe existing
				The sell of the sell of the sell of		canal	canal
	Outlet Works	new multi-level intake, extend conduit	100 - f                   -     -   -   -             -     -     -   -   -     -	Existing 66" pipeline and new 36" pipeline to Clear Creek and 18" pipeline to Redman ditch		Multilevel Intake	Multilevel Intake
	Spillways	new nurti-level intake, extend conduit new ogee crest, extend existing chute	400 cfs multi level intake, conduit and control valve integral to RCC dam	Creek and 18 pipeline to Redman ditch		Excavate around left abutment	Excavate around left abutment
	Spinways	new ogee cresc, extend existing choice	granitic gneiss, white river formation above left abutment,			Excavate alound left abutiliert	Excavate atound left auditilient
1	- 1		wide joints identified in exposed rock, depth of suitable				
1	- 1	enfargement would be constained by right	foundation unknown, fault in valley bottom may impact				
	Geology	abutment	seepage control and foundation strength				Precambrian granite
	and Ownership	Forest Service	Forest Service	private	Forest Service	Forest Service	Forest Service
Irrigated Acreage In	Inudated (acre)	0	0	0	0	0	0
laccord-to-d	d Infrastructure		cobine impeliately up and downstress		none	none	Franch Crook some some (etcustrus)
Cultural/Archaeol		unknown	cabins imediately up and downstream		none	Mining site, historic road	French Creek cow camp (structure) French Creek cow camp (structure)
ContratyArchaeon	orogater impetts	dikitowii	UINIOWII		diklowii	withing site, historic road	Tendir creek cow camp (structure)
NWI Wetland	nds impacts (ac)	at upsteam end	~4 ac wetland or possible fen		~26 ac wetlands, possible fen in areas	<0.5	<1.0
		minor woody riparian, large amount of upland			very little woody riparian, large amount of	some willow riparian, large amount of upland	some willow riparian, large amount of upland
Rij	üperien impects	forest	minor woody riperian, large amount of upland forest		upland forest	forest	forest
Core Sage Gr	Grouse Habibtat	No	No	No	No	No	No
	asias of conce	may are win area	may a says in a say	manufacture in second	many plants in page	a sour la acca	occur in area
	ecies of concern mpacts - crucial	may occur in area	may occur in area	may occur in area	may occur in area	occur in area elk	occur in area elk
	reproces - Crucial	Class 2AB	Class 2AB	none	Class 2AB	Class 2AB	Class 2AB
					Green ribbon	Green ribbon (0.7 mi inundated)	Green ribbon (1.0 mi inundated)
WGFL	EQ Stream Class FD Stream Class	Yellow ribbon	Yellow ribbon (2.5 mi inundated)				
WGFL	EQ Stream Class		Yellow ribbon (2.5 mi inundated)			improve existing private road or improve existing	
	EQ Stream Class FD Stream Class Access	Yellow ribbon Hwy 16	Hwy 16		4WD, Limited public access	Forest Service road	improve existing Forest Service road
P	EQ Stream Class FD Stream Class Access Project Cost (\$)	Yellow ribbon  Hwy 16  \$12M	Hwy 16 \$57M, \$45M	\$2.9M to \$4.1M	4WD, Limited public access	Forest Service road \$59.5M, \$44.2M	\$39.9M, \$21.9M
P	EQ Stream Class FD Stream Class Access Project Cost (S) Cost/AF (S/AF)	Yellow ribbon Hwy 16 \$12M \$8.6k	Hwy 16 \$57M, \$45M \$5.5k, \$7.5k	\$0.036k to \$0.051k	4WD, Limited public access	Forest Service road \$59.5M, \$44.2M \$10.8k, \$14.7k	\$39.9M, \$21.9M \$7.3k, \$8.8k
P ( Cost/AF Yie	EQ Stream Class FD Stream Class Access Project Cost (\$)	Yellow ribbon  Hwy 16  \$12M	Hwy 16 \$57M, \$45M		4WD, Limited public access	Forest Service road \$59.5M, \$44.2M	\$39.9M, \$21.9M

### **Evaluation Matrix**

Rank	Site	Size (AF)	Ability to Meet Needs	Land Ownership	Envir. Issues	Geotechnical Feasibility	Flood Control	Multi- Purpose Potential	Ability to Permit	Relative Cost	Total Score	Comments
	Weight		40	20	30	20	20	40	40	20		
1	Bull Creek Reservoir	9,170	8	10	8	6	4	8	10	8	1,840	Note 1
2	Sand Creek Reservoir	8,000	8	6	8	6	4	8	10	8	1,760	Note 1
3	Camp Comfort Reservoir	10,400	10	4	4	6	8	10	4	8	1,600	Note 1
4	Bench Reservoir	3,500	4	10	10	6	0	2	10	6	1,380	Note 1
4	French Creek Reservoir #3	5,500	8	4	6	6	4	10	4	2	1,380	Note 1
6	French Creek Reservoir #8	6,000	8	2	6	6	4	10	2	4	1,300	Note 1
7	North Rock Creek Reservoir	6,600	6	4	6	4	4	6	4	2	1,100	
8	Upper Middle Clear Creek Reservoir	5,000	6	2	4	6	4	6	2	2	960	Note 1
9	Lower Middle Clear Creek Reservoir	3,800	4	2	4	6	4	4	2	2	800	Note 1
10	Tie Hack Reservoir Enlargement	1,400	2	2	4	8	2	2	4	5	780	Note 1
11	Willow Park Enlargement	4,000									0	Fatal Flaw- Fen Wetlands

**Note 1** - The feasibility of new storage in the Clear Creek basin is dependant on the utilization of the M&M Ranch water rights from Clear Creek. If the water rights are fully utilized, insufficient water would be available for new storage projects.

# Funding Opportunities

- WWDC
  - Small Water Program
  - Dam and Reservoir Program
  - Conventional rehab project funding
    - Require District formation
- NRCS
  - EQIP
  - AWEP
  - CCPI
  - CIG
- Wyo Wildlife and Natural Resource Trust Fund
- Wyo DEQ 319 Grant



### Watershed Study Values

- Inventory and description of the watershed
- GIS
- Rehabilitation plans and projects for watershed infrastructure
  - Upland Water
  - Channel Stability
  - Irrigation Rehabilitation
  - Water Storage
- Sponsor or other legal entity may choose to proceed with a WWDC feasibility study on certain identified projects
- Community is eligible for WWDC's Small Water Project Program
- Includes Ecological Site Descriptions so the document is longer lived and projects not yet identified can still be eligible for Small Water funding.

### Added Watershed Study Values

- The process can organize the community
- Amassing the information helps identify impacts and opportunities
- Provides a holistic view of the natural resources
- Provides a lot of information if a TMDL needs to be written...streamlines the process...projects cued up to address impairments
- Provides NRCS budget demand information and agency planning
- Involved communities with a plan tend to get more funding opportunities
- Identifies fatal flaws relative to storage and has the potential to streamline the NEPA process

# Clear Creek Storage Level II

- Based on the results of the Level I Watershed Study and the support of the local community to further explore storage opportunities, LDCD passed a resolution to request a WWDC Level II Storage Feasibility Study
- LDCD Sponsored
- Funding was received from the Legislature and States
   West was chosen through the proposal and interview process to conduct the study

### Purpose of Study

- Develop Purpose and Need
- Develop Hydrologic Model
- Identify Best Locations for Reservoirs
- Determine Technical Feasibility
- Emphasize Multiple Use Potential
- Determine Economic Feasibility
- Expand Project Involvement
- Recommend Top 3 Sites

\*Completion Winter 2012



### Contact Us

- http://library.wrds.uwyo.edu/wwdcrept/wwdcrept.html
- Dylan Wade States West dwade@stateswest.com 307-634-7848
- Jason Mead WWDO jmead@state.wy.us307-777-7626
- Nikki Lohse Lake DeSmet CD nikki.lohse@wy.nacdnet.net 307-684-2526
- Carrie Rogaczewski Sheridan County CD Carrie.Rogaczewski@wy.nacdnet.net 307-672-5820



