City of Santa Fe

Agenda

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Santa Fe River Commission

Thursday, March 10, 2016 (Round House Room)
6 pm to 8 pm

City Offices at the Market Station Building at the Rail yard
500 Market Street, Suite 200, Santa Fe, NM
505-955-6840

1. **ROLL CALL**
2. **APPROVAL OF AGENDA**
3. **APPROVAL OF MINUTES FROM FEBRUARY 11, 2016**
4. **Communication from other Agencies/Committees**
   a) **Living River Hydrograph Update –City of SF, Water Resources & Conservation (Alan Hook)**

5. **INFORMATON/DISCUSSION/ACTION:**
   a) **Wetlands Action Plan for Santa Fe County (Jan-Willem Jansens)**

   b) **Reports from sub-committees**
   Watershed Revitalization, Emile Sawyer
   Promoting a Living River, John Buchser
   Species Resiliency, Zoe Isaacson
   Outdoor Economy, Luke Pierpont

6. **MATTERS FROM COMMISSIONERS (Phil Bove, Emile Sawyer, FM Patorni)**
7. **MATTERS FROM SUBCOMMITTEES**
8. **MATTERS FROM STAFF – 2016 Fishing Derby, Project Updates, etc...**
9. **SUB-COMMITTEE BREAKOUT SESSION (optional)**
10. **CITIZENS' COMMUNICATION FROM THE FLOOR**
11. **ADJOURN**

Next Scheduled for the River Commission is April 14, 2016
Packet Material due by April 5, 2016

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Santa Fe River Commission
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March 10, 2016

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Call to Order		1
Roll Call		1
Approval of the Agenda	Ms. Hansen moved to approve the Agenda as amended with a second from Mr. Jacobi which passed by voice vote.	1
Approval of Minutes from January 14, 2016 and February 11, 2016	Ms. Hansen moved to approve the minutes of January 14, 2016 as presented with a second from Mr. Jacobi which passed by voice vote. Ms. Hansen moved to approve the minutes of February 11, 2016 as presented with a second from Mr. Sawyer which passed by voice vote.	1 2
Communication from other Agencies/Committees a.) Living River Hydrograph Update-City of SF, Water Resources & Conservation	Discussion Only	2
Information/Discussion/Action a.) Wetlands Action Plan for Santa Fe County b.) Reports from Subcommittees Watershed Revitalization Promoting a Living River Species Resiliency Outdoor Economy	Discussion Only	2,3 3
Matters from Commissioners	Discussion Only	3
Matters from Subcommittees	Discussion Only	3
Matters from Staff 2016 Fishing Derby Project Updates	Discussion Only	3
Subcommittee Break Out Session	Discussion Only	3
Citizen's Communication From the Floor	Discussion Only	3
Adjourn	There being no further business to come before the Santa Fe River Commission Ms. Hansen moved to adjourn at 8:10 p.m. with a second from Mr. Jacobi which passed by unanimous voice vote.	4
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Santa Fe River Commission
Meeting Minutes-March 10, 2016
500 Market Street Santa Fe, New Mexico
6:00-8:00 p.m.

1. Call to Order

Chair Bucsher called the meeting of the Santa Fe River Commission to order at 6:07 p.m. at 500 Market Station, Santa Fe, NM. A quorum was established with roll call.

2. Roll Call

Present

Phil Bové, Vice Chair
Jerry Jacobi
Luke Pierpont
F.M. Patorni
Anna Hansen
Dale Doremus
Zoe Isaacson
Emile Sawyer

Not Present/Excused
John R. Buchser, Chair

Others Present
Melissa McDonald, Santa Fe River Watershed Coordinator, City of Santa Fe Staff
Jan-Willem Jansens, Ecotone
Alan Hook, Santa Fe Water Division
Andy Otto, Santa Fe Watershed Association
Linda Vigil, Stenographer

3. Approval of the Agenda

Mr. Bove reminded the Commission that the minutes from January were not approved last month and there was a motion to approve them along with February's minutes. It was decided to approve both sets of minutes tonight and add it to the agenda.

Ms. Hansen moved to approve the Agenda as amended with a second from Mr. Jacobi which passed by voice vote.

4. APPROVAL OF THE MINUTES FROM FEBRUARY 11, 2016

Ms. Hansen moved to approve the minutes of January 14, 2016 as presented with a second from Mr. Jacobi which passed by voice vote.

Ms. Hansen moved to approve the minutes of February 11, 2016 as presented with a second from Mr. Sawyer which passed by voice vote.

5. COMMUNICATION FROM OTHER AGENCIES/COMMITTEES

a.) Living River Hydrograph Update-City of SF, Water Resources & Conservation

Mr. Hook presented the Commission with a report on the System (See Exhibit A) that measured and gaged water flows.

A discussion was held on the different areas that are measured. Mr. Hook explained the pulses in the graph and the reasons they are there. The McClure reservoir is starting to fill.

A discussion was held about the weather and the snowpack. Mr. Hook described the issues related to Article 7. Mr. Hook reported that the Buckman Regional Water Treatment Plant will shut down to refurbish some pumps soon, it shouldn't take more than a few weeks.

Mr. Hook reported that testing on the wells are conducted to check uranium and arsenic levels. Those reports are available online. Ms. McDonald will have Mr. Alex Puglisi attend a meeting in the future to address any questions the Commission may have.

Mr. Hook stated they would like to use the City Wells more. The majority of the drinking water is coming from renewable surface water.

Ms. Hansen would like to know how much water is being pulled from the San Juan/Chama. Mr. Hook stated he can get those numbers for her.

Mr. Sawyer was interested in post flow and the months is it released. Mr. Hook sated that is not predicable.

The Commission thanked Mr. Hook for his presentation.

6. INFORMATION/DISCUSSION/ACTION:

a.) Wetlands Action Plan for Santa Fe County-Jan-Willem Jansens

Ms. McDonald introduced Mr. Willem Jansens and the work he has done with the County and the City. Mr. Willem Jansens described in more detail the projects and organizations he has been involved in.

Mr. Willem Jansens presented a flyer (See Exhibit B) explaining what his business does. Mr. William Jansens asked the Commission to introduce themselves and ask a question so that he can direct his talk towards those concerns. The Commission asked very important questions. Mr. Willem Jansens passed out information to each commission member pertaining to their specific questions.

Mr. Willem Jansens presented a slideshow explaining the Santa Fe Wetlands Action Plan. His presentation was very helpful and detailed. The slideshow is available online. After the presentation a brief discussion was held about the scoring system he used.

Mr. Willem Jansens addressed the concern about the beavers and how they inhabited the River passed Agua Fria. Ms. McDonald announced a meeting 3/17/2016 at the La Cienega Community Center to discuss the issue, it will be the beginnings of planning.

The Commission thanked Mr. Willem Jansens for his presentation.

b.) Reports from Subcommittees

- Watershed Revitalization-Emile Sawyer
- Promoting a Living River-John Buchser
- Species Resiliency-Zoe Isaacson
- Outdoor Economy- Luke Pierpont

For the sake of time, it was decided to present the reports at the next meeting.

7. MATTERS FROM COMMISSIONERS

Mr. Bove will send out an article he found in the New Yorker about the Water Compact to the Commission for review. Mr. Bove also found some information about climate change in the National Geographic magazine from November 2015.

8. MATTERS FROM SUBCOMMITTEES

There were not any matters from the Subcommittees.

9. MATTERS FROM STAFF

2016 Fishing Derby, Project Updates, etc.

Ms. McDonald urged the subcommittees to submit their reports so that they can be included in the minutes and the public has a sense of what work they are doing. It is important to stay focused and moved.

10. SUBCOMMITTEE BREAKOUT SESSION (Optional)

It was decided there was not enough time to have break-out sessions.

11. CITIZEN'S COMMUNICATION FROM THE FLOOR

There were no members of the public present.

12. ADJOURN

There being no further business to come before the Santa Fe River Commission Ms. Hansen moved to adjourn at 8:10 p.m. with a second from Mr. Jacobi which passed by unanimous voice vote.

SIGNATURES

John Buchser, Chair

Linda Vigil, Stenographer

SANTA FE WATER SYSTEM DAILY REPORT
IN MILLION GALLONS OF WATER (MG)

WEDNESDAY **03/09/2016**

				Same Date 2015		Same Date 2014	
CANYON WATER TREATMENT PLANT		0.933	MILLION GALLONS	2.931	MG	1.349	MG
BUCKMAN REGIONAL WATER TREATMENT PLANT[1]		5.503	MILLION GALLONS	3.007	MG	4.280	MG
CITY WELLS (INCLUDING ST. MICHAELS WELL)		0.022	MILLION GALLONS	0.000	MG	0.000	MG
BUCKMAN WELLS		0.004	MILLION GALLONS	0.000	MG	0.000	MG
TOTAL PRODUCTION OF SANTA FE WATER SYSTEM AND IMPORTED WATER FROM BRWTP		6.462	MILLION GALLONS	5.938	MG	5.629	MG
TOTAL STORAGE IN SYSTEM TANKS		21.383	MILLION GALLONS	23.027	MG	23.236	MG
GAIN OR LOSS OF STORAGE IN SYSTEM TANKS	GAIN	0.198	MILLION GALLONS	(L) 0.358	MG	(L) 0.02	MG
ESTIMATED SFE RIVER DAILY INFLOW ABOVE McCLURE RESERVOIR[2]		4.41	MILLION GALLONS	2.07	MG	1.87	MG
		or 6.82	CFS				
ESTIMATED TOTAL STORAGE OF BOTH RESERVOIRS		37.02%	STORAGE LEVEL	6.8%	STORAGE	0.0%	STORAGE

1. Includes Santa Fe County Water Deliveries
2. USGS WEIR ABOVE McCLURE: http://waterdata.usgs.gov/nm/nwis/uv/?site_no=08315480&PARAmeter

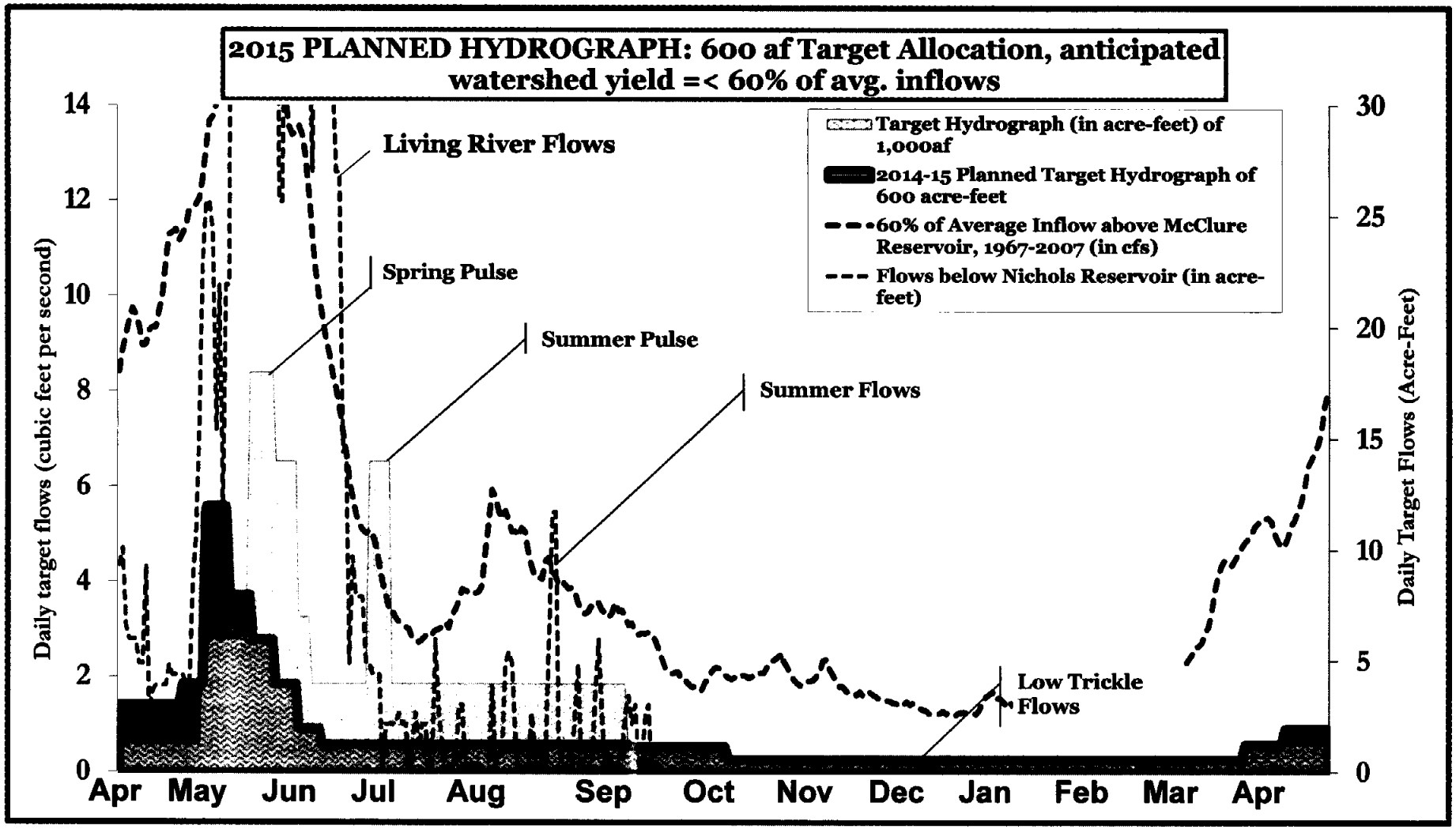
RESERVOIR CAPACITY IN MG		
NICHOLS	133.90	62.13%
McCLURE	349.67	32.07%
MGD TOTAL		

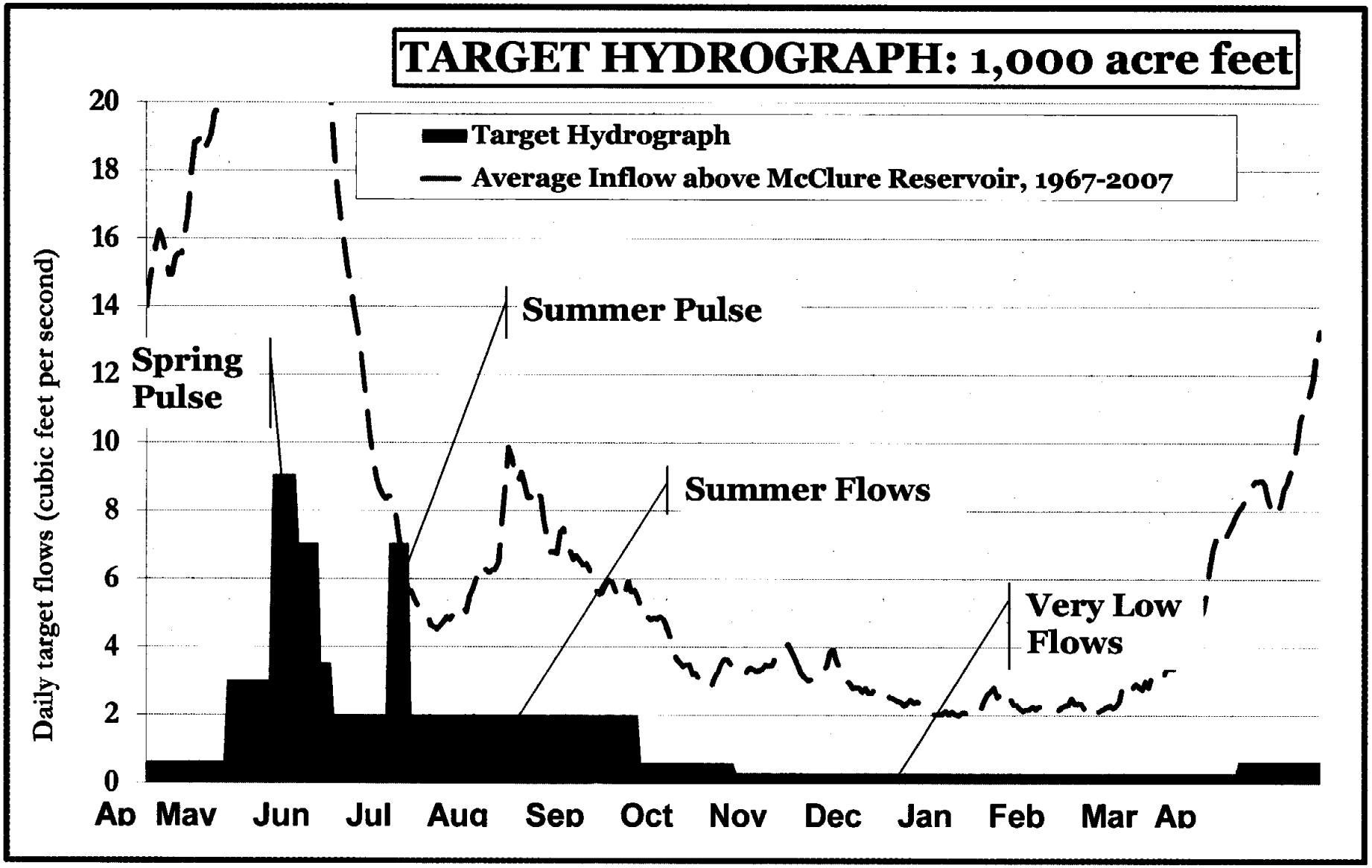
SANTA FE RIVER PASS THRUS	PLANNED	0.30	CFS
ESTIMATED SFE RIVER DAILY STREAMFLOW @ GAGE BELOW NICHOLS RESERVOIR	ACTUAL	0.005	CFS
ACRE-FEET USED AS OF	03/09/2016	2116.97	

NRCS SNOTEL GAGE STATIONS	CUMULATIVE SNOW WTR EQUIV.	CUMULATIVE SNOW DEPTH	DAILY PRECIP.	
SANTA FE SNOTEL	16.5	48.0	0.0	IN INCHES
ELK CABIN SNOTEL	0.0	0.0	0.0	IN INCHES
SANTA FE WATERSHED		PRECIPITATION	0.00	IN INCHES

NOTE: Snow, Precipitation, and Stream Gage data are estimates & reported when available

SANTA FE SNOTEL SITE: http://www.wcc.nrcs.usda.gov/nwcc/sntl-data0000.jsp?site=922&days=7&state=NM
ELK CABIN SNOTEL SITE: 0http://www.wcc.nrcs.usda.gov/nwcc/sntl-data0000.jsp?site=921&days=7&state=NM
WRCC RAWS SITE: http://www.raws.dri.edu/cgi-bin/rawMAIN.pl?nmXSFW


2015 PLANNED HYDROGRAPH: 600 af Target Allocation, anticipated watershed yield =< 60% of avg. inflows
Target Hydrograph (in acre-feet) of 1,000af
2014-15 Planned Target Hydrograph of 600 acre-feet
60% of Average Inflow above McClure Reservoir, 1967-2007 (in cfs)
Flows below Nichols Reservoir (in acre-feet)
Living River Flows
Spring Pulse
Summer Pulse
Summer Flows
Low Trickle Flows
Daily target flows (cubic feet per second)
Daily Target Flows (Acre-Feet)
0
2
4
6
8
10
12
14
0
5
10
15
20
25
30
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr


TARGET HYDROGRAPH: 1,000 acre feet
Target Hydrograph
Average Inflow above McClure Reservoir, 1967-2007
Daily target flows (cubic feet per second)
20
18
16
14
12
10
8
6
4
2
0
Spring Pulse
Summer Pulse
Summer Flows
Very Low Flows
Ap
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Ap

Ecotone

Conservation Planning for Landscapes in Transition

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505-470-2531
jwjansens@gmail.com

Affiliations

Forest Guild, Professional Member
NM Wildways / Wildlands Network
Quivira Coalition
Santa Fe Watershed Association

Awards

2013 – Quivira Coalition Radical Center Award, for Conservation
2004 – NM Riparian Council Lifetime Achievement Award
2002 – Amigos Bravos Rio Award
1998 – Innovations in American Government Award
1997 – Vice President Gore's Hammer Award

What: *Healthy, productive landscapes and insightful ecological stewardship by the primary users and decision makers of the land:* that is the core of **Ecotone's** vision.

Ecotone often serves as the initiator, planner, and manager of projects. We conceptualize landscape conservation and restoration initiatives, bring together a project team, organize funding, and direct the project's detailed design and implementation.

How: Many **Ecotone** projects are part of multi-year, landscape-wide conservation initiatives and contribute to the realization of larger, regional goals. We emphasize the idea of planning as a collaborative learning process. Ongoing education, community outreach, joint fact finding, adaptation, and innovation are key aspects of **Ecotone's** path to healthy and productive landscapes and people's role as mindful stewards.

Who: Ecotone is the vision of Jan-Willem Jansens. He holds a Master's degree in Agricultural Sciences with specializations in Landscape Architecture, Forestry and Soil & Water Conservation from the Wageningen Agricultural University, the Netherlands. After an international career in Europe and Africa, Jan-Willem h[illegible] 1993.

EXHIBIT
B

Recent Publications

**Exploring Springs and Wetlands and their Relationship with Surface Water Flows, Geology, and Groundwater in the La Cienega Area, Santa Fe County, New Mexico*, December 2012. NMED.

Keeping Santa Fe County Wetlands Viable and Functioning: A Wetlands Action Plan for Santa Fe County, December 2012. NMED.

Caring for Good Trails: A Field Guide for Trail Maintenance Volunteers in the Southwestern US, February 2012. SFCT.

***Galisteo Watershed Conservation Initiative: Quality of Life at a Crossroads*, August 2011. SFCT.**

Forest Stewardship Plan for Glorieta Freedom Ranch, Glorieta Mesa, Santa Fe County, April 2011. Earth Works Institute.

* co-authored

Selected Projects

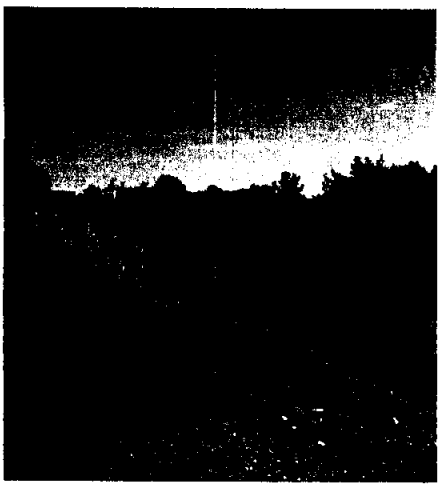
2015-2016: Management Planning for three Open Space Properties in Santa Fe County, NM

2015-2016: Landowner education and support with tree planting, Cow Creek watershed, Pecos, NM

2013-2017: Forest and watershed restoration planning, education and implementation for the Lower Embudo and Trampas watersheds, Dixon and Las Trampas, NM

2013-2016: Aquatic Restoration of the Galisteo Creek on a property between Cerrillos and Galisteo, NM

2012-2016: Trail restoration, soil & water conservation, and wetland restoration, Eldorado Community Preserve, in Eldorado, NM



Ecotone's Values and Approach

Our work is grounded in:

- Supporting healthy and productive ecosystems
- Engaging landowners in ongoing, collaborative learning and leadership in land stewardship and conservation
- Building local community support and community-based knowledge and skills for land stewardship and innovation
- Team work and acknowledging specific team member competencies
- Building environmental business capacity and seeking economic support for the benefits provided by healthy ecosystems

Ecotone's Unique Services

Ecotone specializes in managing multi-faceted projects that include terrain assessment and planning, ecological restoration, and various forms of land stewardship education. **Ecotone** is known for its collaborative approach, its integrated and innovative ways of landscape planning, and its expertise in land restoration and stewardship. We tend to work in teams and include landowners, land managers and users in our work process. We offer:

- Integrated restoration and conservation planning for watersheds, streams, wetlands, forests and woodlands
- Management planning, including master plans, maintenance, outreach, and implementation plans for community preserves and open space areas
- Managing, financing, and supervising plan implementation
- Project monitoring, reporting, and meeting regulatory requirements.

Recent Clients

Government: Santa Fe County; State of New Mexico

Institutions: Arid Lands Institute at Woodbury University (Burbank, CA); Chimayo Conservation Corps (Chimayo, NM); Design Office, Eldorado Community Improvement Association, Forest Guild, Forest Reserve Company, NM Acequia Association, Santa Fe Watershed Association, and Wild Earth Guardians (all Santa Fe, NM); University of Arizona (Tucson, AZ); Upper Pecos Watershed Association (Pecos, NM); Wildlands Network (Seattle, WA)

Private Clients: Landowners in Galisteo, Cerrillos, Glorieta, Golden, and Santa Fe (all New Mexico)

Ecotone

Conservation Planning for Landscapes in Transition

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