Arizona Hydrological Society

Charles C. Avery Intern Scholarship

Presented By: 2014 Summer Intern Rae Lynn Byars

Hello, my name is Rae Lynn.

Thank you for coming!

OUTLINE:

I. Welcome
   - Introductions
   - Email List for a copy of presentation
II. Arizona Hydrological Society
III. 2014 Intern Experience
IV. Wrap Up and Questions

I look forward to talking to you at the Lumberyard

The Arizona Hydrological Society

AHS

Formed in 1985, AHS is a nonprofit organization supporting public understanding, education, and training in the science and technology of hydrology and water resources through meetings, scholarships, grants, symposia, and other outreach and/or educational activities.

AHS Members

Disciplines

- Hydrologists
- Hydrogeologists
- Geologists
- Geochemists
- Chemists
- Biologists
- Ecologists
- Engineers
- Students

Affiliations

- Federal

(USGS, USDA, NPS…)

- Tribal Nations
- States
- Counties
- Municipalities
- Industry
- Consultants
- NGOs
- Academia (faculty & students)

When does AHS meet?

Chapter Meetings

- **Typically monthly for presentations and/or business**

Corporate Board Meetings

- **Quarterly to discuss AHS business**
- **All members welcome**

General Membership Meeting

- **Concurrently with annual symposium**

Annual Symposium

- **Chapters take turns hosting meeting in or near their cities**
- **Include technical sessions, workshops, field trips**

How can the community and students benefit from getting involved or joining AHS as a member?

Three ways students benefit:

① **3** Academic Scholarships (4-year Colleges, Statewide) $2,000

② **1** Academic Scholarship (2-year Colleges) $1,000

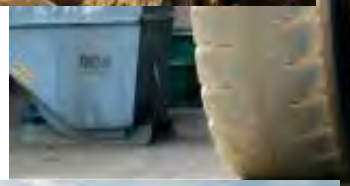
③ **3 Intern Scholarships**, (All Colleges, 1 for each chapter) $3,000

- Presentations at monthly meetings
- Website, LinkedIn Group, e-Newsletter
- Annual symposium
- Field trips

Annual Symposium 2014

Winner of $500 for the Undergraduate Poster Contest!

Field Trips!



Opportunities for networking

Photos by Jon Mason, USGS

Thanks to Kurt Novy, Jim Duffield, Jon Mason and Erin Young!

ARIZONA HYDROLOGICAL SOCIETY

For more information, visit
http://www.azhydrosoc.org/
or scan this QR code

CHARLES C. AVERY INTERN SCHOLARSHIP

- **Applications Due March 27th**

Intern Scholarship

One student from each chapter.

200 hours of internship

$3,000 Scholarship

Scholarships

- $1,000 Scholarship (For a student enrolled in a 2 year Arizona college)
- $2,000 Scholarship (For a student enrolled in a 4 year Arizona college)

Who can apply?

- Sophomores
- Juniors
- Seniors
- Grad students

You can apply to both!

Who can you work with:

- Federal (USGS, USDA, NPS…)
- Tribal Nations
- State
- Counties
- Municipalities
- Industry
- Consultants
- NGOs
- Academia (faculty & students)

Applying for a Scholarship

Mail this form along with resume, transcript, application letter, and letter(s) of recommendation to:

AHS Scholarships Arizona Hydrological Society 5010 East Shea Boulevard, Suite D110 Scottsdale, AZ 85254

Azhydrosoc.dir@gmail.com

Click here for a link to the Scholarship Application Form

Applying for a Intern Scholarship

FLAGSTAFF CHAPTER
2014 CHARLES C. AVERY
INTERN SCHOLARSHIP
APPLICATION

Applicant Information Please print or type with Adobe Reader's Add Text or Acrobat's Typewriter

Name:	E-mail:
Address:	College/University:
Alt Address:	Year of Study: Sophomore Junior Senior Grad
Phone:	Department:
Alt Phone:	Major:

Activities, Skills, and Experience (attach additional pages if necessary):

Activities/Clubs:
Computer Skills:
Other Skills/Education/Experience:

All applicants must submit the following with their application:

- An unofficial copy of their college/university transcripts
- Two written references from instructors or previous employers (sealed envelopes can accompany application, or they may be sent electronically directly)
- A maximum two-page essay describing the applicants interest in hydrology and career goals
- A resume highlighting any academic and professional experience

All applicants must submit the following with their application:

- ☐ University Transcripts
- ☐ Two Written References
- ☐ Essay describing the applicants interest in hydrology and career goals
- ☐ Resume

Send all materials as hard copy or Adobe® PDF files (preferred) by 5:00 pm March 27, 2015:

AHS Flagstaff Intern Scholarship Program

ATTN: Erin Young, 211 W. Aspen Avenue Flagstaff, AZ 86001

E-mail: eyoung@flagstaffaz.gov

Click here for link to Intern Scholarship Application

AHS 2015 Intern Scholarship Program Details:

- Applications & all related materials must be received by 5:00 PM (Arizona time) Friday, March 27, 2015.

- Interviews are held the third week of April for the top three candidates. The recipient of the internship will be announced by May 4th, 2015.

2014 SUMMER INTERN SCHOLARSHIP

Total Hours	CITY	60
	HOPI	75.5
	USGS	64.5
	200	

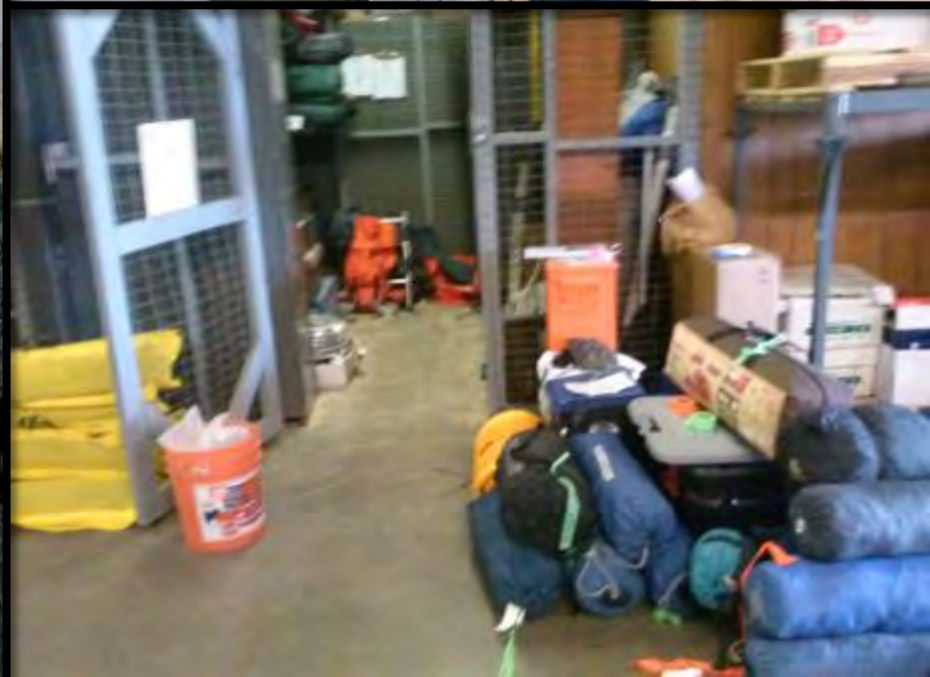
Field Work at Lee's Ferry!

USGS
science for a changing world

Acoustic Doppler Radar

Learning how to install and use equipment

When OCD takes over, everyone is happy… well at least everything is clean!



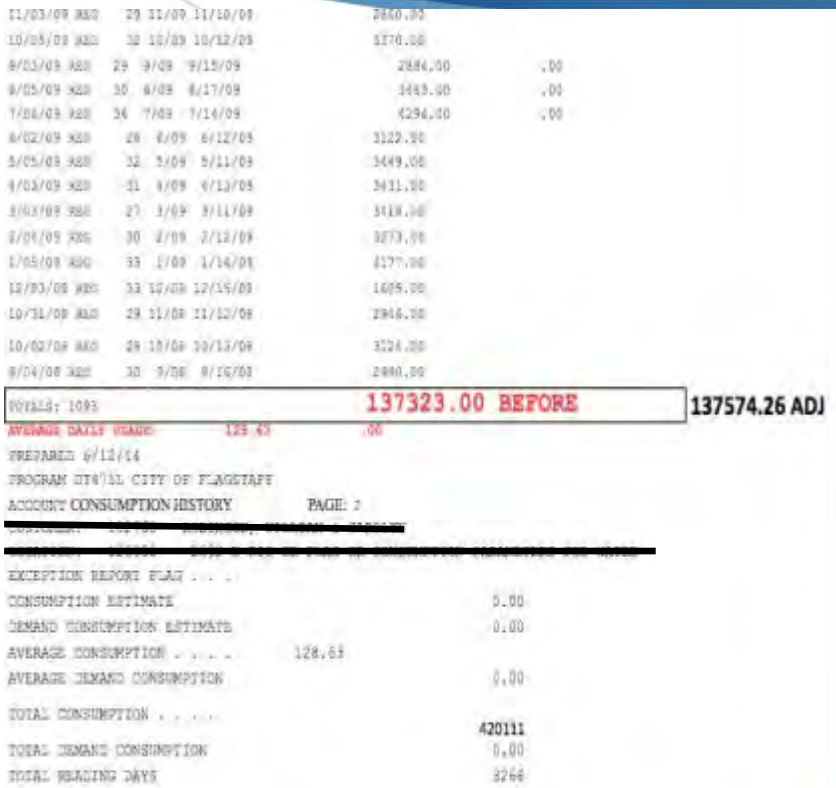
THE CITY OF FLAGSTAFF

Utilities Department

Evaluation of the Water Conservation Turf Rebate Program

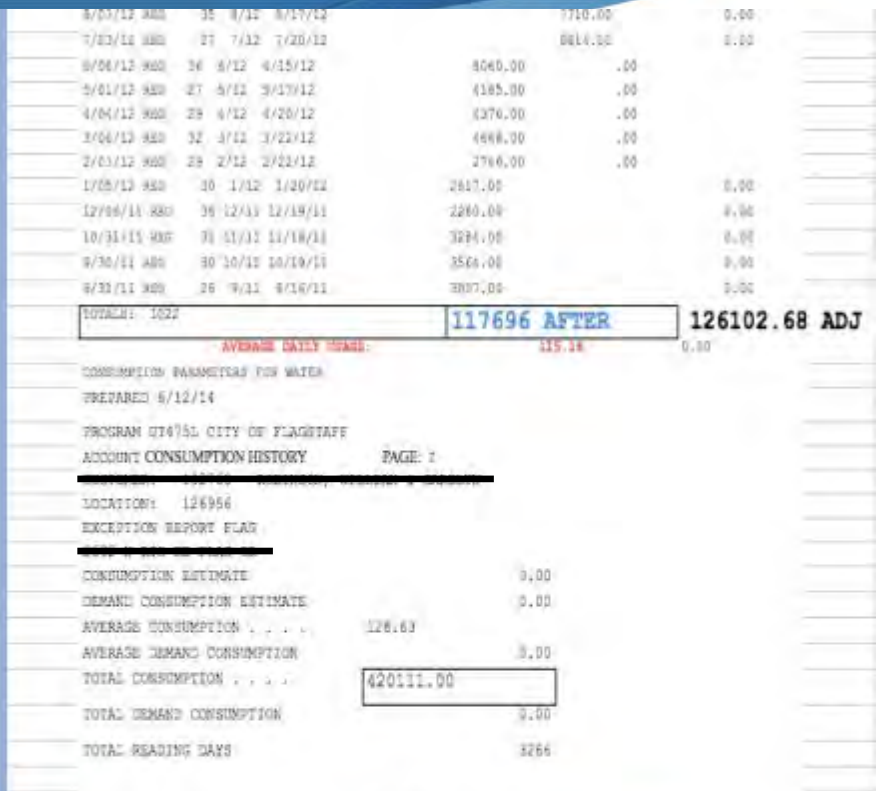
Fig. 1 Final Compiled List A (Fiscal Year)

DATE COMPLETE	NAME	REBATE AMT	SQ FEET	ADDRESS	LOCATION ID	$ PER SQ Ft



11/03/09 RED 29 11/09 11/10/09 2850.00
10/05/09 RED 32 10/09 10/12/09 3370.00
9/03/09 RED 29 9/09 9/15/09 2884.00 .00
8/05/09 RED 30 8/09 8/17/09 3465.00 .00
7/06/09 RED 36 7/09 7/14/09 4294.00 .00
6/02/09 RED 28 6/09 6/12/09 3122.00
5/05/09 RED 32 5/09 5/11/09 3449.00
4/03/09 RED 31 4/09 4/13/09 3431.00
3/03/09 RED 27 3/09 3/11/09 3418.00
2/04/09 RED 30 2/09 2/13/09 3273.00
1/05/09 RED 33 1/09 1/14/09 4177.00
12/03/08 RED 33 12/08 12/15/08 1605.00
10/31/08 RED 29 11/08 11/12/08 2946.00
10/02/08 RED 28 10/08 10/13/08 3324.00
9/04/08 RED 30 9/08 9/15/08 2980.00

TOTALS: 1093 137323.00 BEFORE 137574.26 ADJ
AVERAGE DAILY USAGE: 125.63 .00
PREPARED 6/12/14
PROGRAM UT470L CITY OF FLAGSTAFF
ACCOUNT CONSUMPTION HISTORY PAGE: 2
[redacted]
EXCEPTION REPORT FLAG . . .
CONSUMPTION ESTIMATE 0.00
DEMAND CONSUMPTION ESTIMATE 0.00
AVERAGE CONSUMPTION 128.63
AVERAGE DEMAND CONSUMPTION 0.00
TOTAL CONSUMPTION 420111
TOTAL DEMAND CONSUMPTION 0.00
TOTAL READING DAYS 3266



7/03/12 RED 27 7/12 7/20/12 8814.00 0.00
6/06/12 RED 36 6/12 6/15/12 8060.00 .00
5/01/12 RED 27 5/12 5/17/12 6185.00 .00
4/04/12 RED 29 4/12 4/20/12 6376.00 .00
3/06/12 RED 32 3/12 3/22/12 6688.00 .00
2/01/12 RED 29 2/12 2/22/12 2766.00 .00
1/05/12 RED 30 1/12 1/20/12 2617.00 0.00
12/06/11 RED 36 12/11 12/19/11 2280.00 0.00
10/31/11 RED 31 11/11 11/18/11 3294.00 0.00
9/30/11 RED 30 10/11 10/19/11 3506.00 0.00
8/31/11 RED 26 9/11 9/16/11 3807.00 0.00

TOTALS: 1022 117696 AFTER 126102.68 ADJ
AVERAGE DAILY USAGE: 115.14 0.00
CONSUMPTION PARAMETERS FOR WATER
PREPARED 6/12/14
PROGRAM UT470L CITY OF FLAGSTAFF
ACCOUNT CONSUMPTION HISTORY PAGE: 1
[redacted]
LOCATION: 126956
EXCEPTION REPORT FLAG
[redacted]
CONSUMPTION ESTIMATE 0.00
DEMAND CONSUMPTION ESTIMATE 0.00
AVERAGE CONSUMPTION 126.63
AVERAGE DEMAND CONSUMPTION 0.00
TOTAL CONSUMPTION 420111.00
TOTAL DEMAND CONSUMPTION 0.00
TOTAL READING DAYS 3266

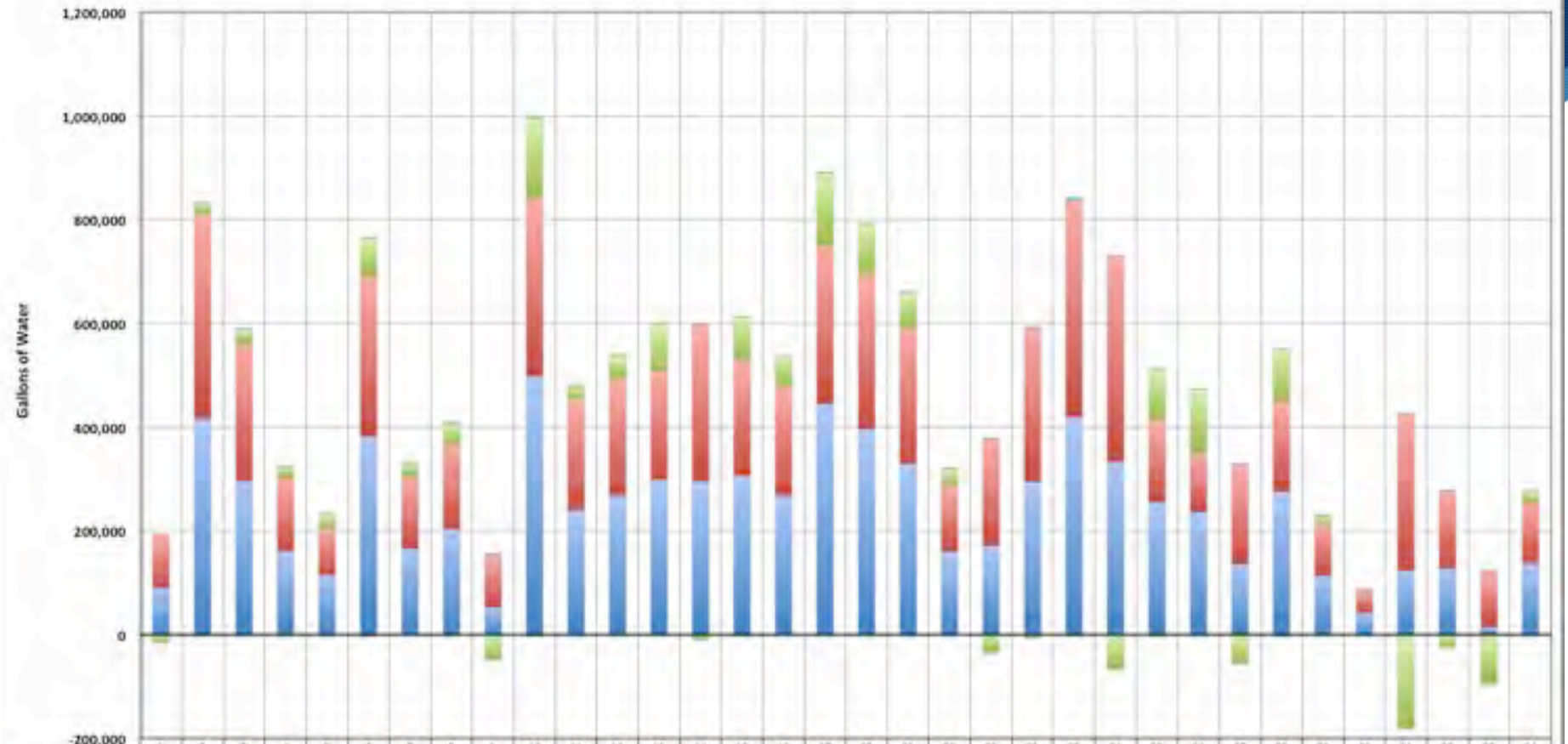
AFTER

Daily averages were calculated to 1095 days and provided adjusted amounts used in analysis for aquricey.

Consumption Analysis			
	BEFORE	AFTER	INDIVIDUAL TOTALS:
1	268,569	224,319	44,250
2	299,197	207,870	91,327
3	294,098	302,747	-8,649
4	305,950	224,612	81,338
5	267,218	211,210	56,008
6	395,988	297,430	98,558
7	444,536	303,953	140,584
8	328,448	261,446	67,002
9	159,200	129,098	30,102
10	170,614	204,849	-34,234
11	0	0	0
TOTALS:	2,933,819	2,367,534	

	2,933,819	
SUBTRACT:	2,367,534	
CONSERVED:	566,285	GALLONS
REBATES GIVEN:	5,500	DOLLARS
TURF PULLED	53,516	SQFT

Analysis of Consumption Before and After Installation



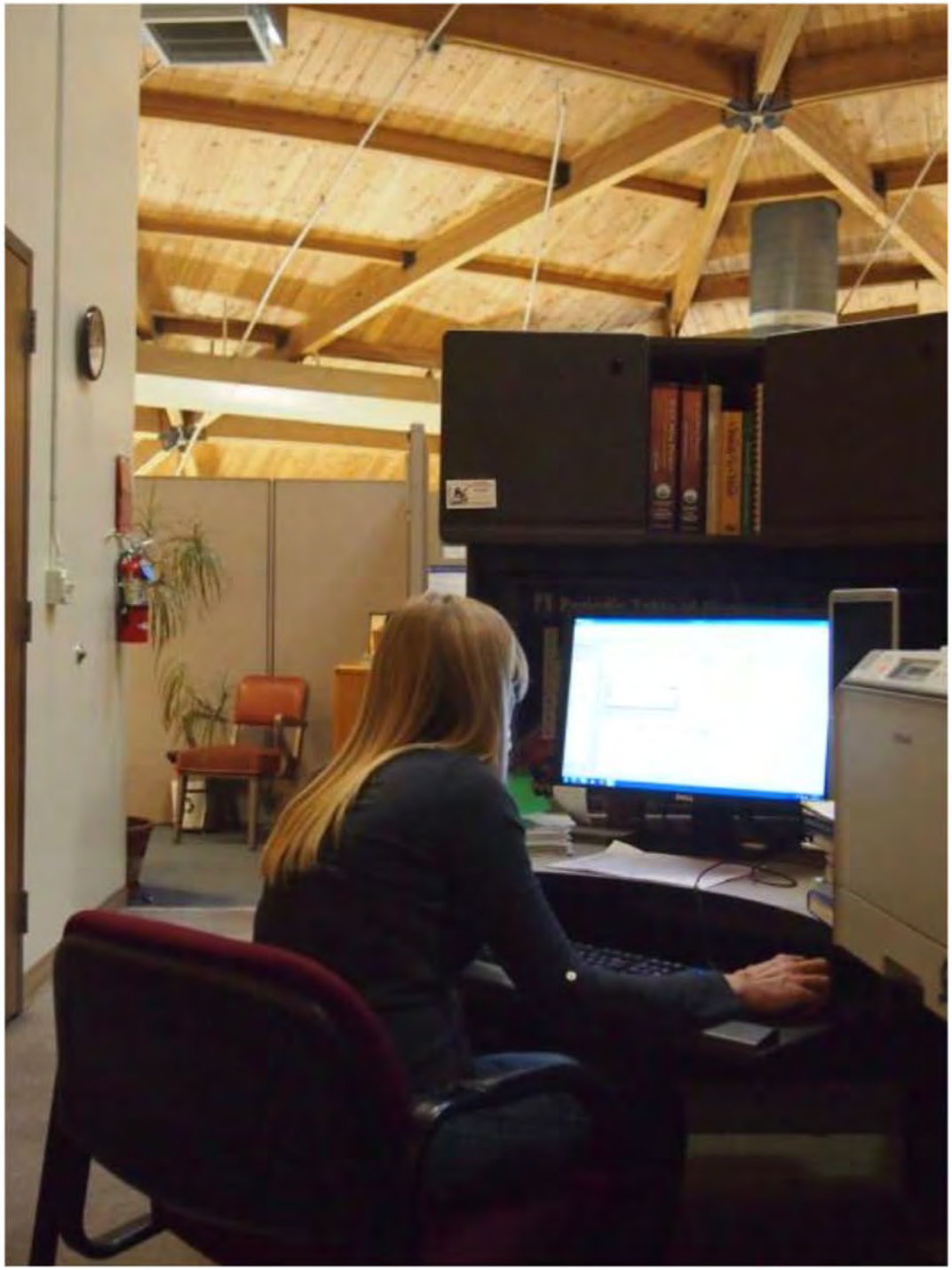
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Percentage of Reduction	15.42%	4.84%	9.62%	12.38%	22.19%	-147.41	18.91%	14.78%	20.44%	-91.91%	30.63%	10.65%	16.48%	30.52%	-2.94%	26.59%	20.96%	31.62%	24.89%	20.40%	18.91%	20.07%	-1.40%	8.72%	-19.94%	17.48%	51.41%	40.35%	37.18%	11.77%	0.11%	17.24%	-604.19	14.29%
Turf Removed (sqft)	1,800	1,500	2,351	1,590	2,100	2,076	1,881	2,200	2,132	3,864	1,500	1,600	1,600	2,200	1,500	1,500	2,000	1,500	2,486	1,500	2,550	3,050	5,750	1,500	1,341	1,669	1,985	1,600	2,270	1,548	1,500	3,050	1,570	1,565
Rebate Amount	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$600	$500	$500
Conserved	-18,750	20,110	28,300	19,919	25,475	72,197	24,888	61,826	-43,989	252,436	25,709	44,250	91,827	-8,649	81,838	56,008	140,884	98,568	67,002	30,102	-34,234	-4,098	3,009	-66,203	95,644	121,835	-54,782	102,188	11,882	45	-180,609	21,923	-93,657	18,627
After Installation	107,894	395,093	265,894	140,940	89,306	300,690	140,632	353,548	100,223	345,247	213,523	324,913	207,870	302,747	224,612	211,710	533,952	297,430	261,446	129,098	204,849	293,410	415,640	398,343	259,556	114,665	190,550	72,677	93,939	42,417	303,129	49,054	107,887	117,695
Before Installation	89,144	415,203	294,194	160,859	114,781	383,886	165,519	402,914	72,225	597,683	239,232	368,569	299,197	294,098	305,950	267,718	444,536	395,998	328,448	159,200	170,614	293,312	419,649	331,942	255,200	96,000	135,768	274,866	119,251	42,462	122,520	27,132	14,239	137,628

Evaluation Results

After evaluating
36 participants
that met the criteria, we
found that for every
one dollar the city
paid in rebate, these participants
conserved
76.78 gallons of water

THE HOPI WATER RESOURCES

Research and Database



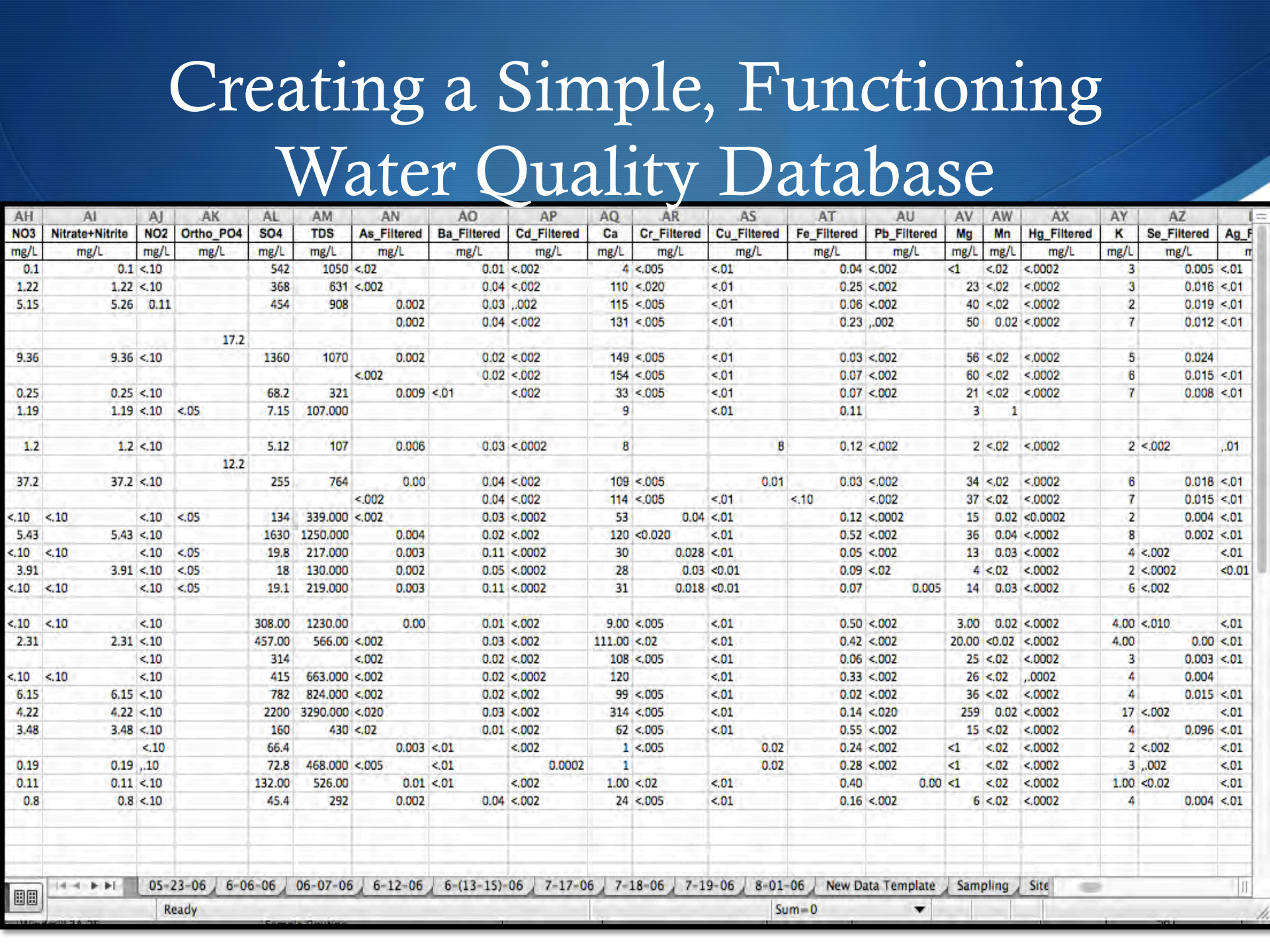
		Use_of_Water		A&Ww	A&We	AgL	Agl	DWS	FBC	FC	PBC	PCC	GWR	
		Range												
	SPRING	Ceremonial		A&Ww				DWS	FBC		PBC	PCC		
	SPRING	Ceremonial		A&Ww			Agl	DWS	FBC		PBC	PCC		
	SPRING	Ceremonial		A&Ww			Agl	DWS	FBC		PBC	PCC		
		Ceremonial												
		Ceremonial												
		Ceremonial												
		Ceremonial												
		Monitoring												
	SPRING	Range		A&Ww					FBC		PBC			
	SPRING	Monitoring		A&Ww					FBC		PBC			
	SPRING	Monitoring		A&Ww					FBC		PBC			
		Ceremonial												
		Ceremonial												
	SPRING	Ceremonial		A&Ww		AgL			FBC		PBC			
		Ceremonial												
	SPRING			A&Ww		AgL			FBC		PBC			
		Ceremonial		A&Ww		AgL	Agl		FBC		PBC			
		Ceremonial												
	STREAM			A&Ww		AgL	Agl		FBC		PBC		GWR	
	SPRING			A&Ww					FBC		PBC			
		Ceremonial												
	SPRING			A&Ww					FBC		PBC	PCC		
		Ceremonial												
		Ceremonial												
	SPRING			A&Ww		AgL		DWS	FBC		PBC	PCC		
		Ceremonial		A&Ww			Agl	DWS	FBC		PBC	PCC		
	STREAM			A&Ww		AgL	Agl		FBC		PBC		GWR	
	SPRING			A&Ww					FBC		PBC			
	LAKE	Ceremonial		A&Ww			Agl		FBC	FC	PBC			
	SPRING			A&Ww			Agl		FBC		PBC			
	SPRING	Ceremonial		A&Ww			Agl		FBC		PBC	PCC		
	SPRING	Ceremonial		A&Ww			Agl		FBC		PBC			
	LAKE			A&Ww			Agl		FBC		PBC			
	STREAM			A&Ww		AgL	Agl		FBC		PBC		GWR	
	SPRING	Range		A&Ww				DWS	FBC		PBC	PCC		
		Range												
		Ceremonial												

rds | Site List Hopi | Alert Filter | Alphabetical Comparison | missing Lat-Long | Submit this Sheet | +

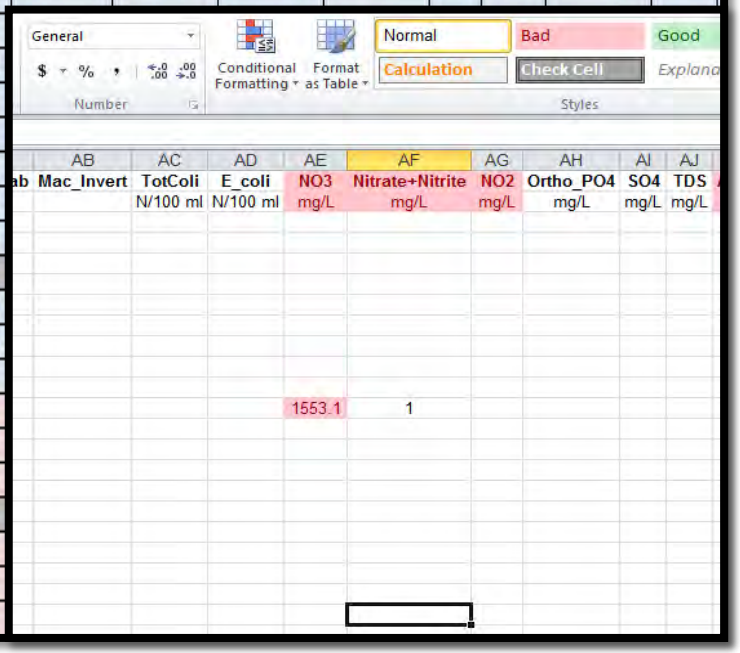
STANDARDS													
Water_Level													
Flow		cfs											
Discharge		gpm											
Temp		Degrees C		</= 32.2	</= 32.2	</=2.7	</= 2.7	NNS	</=2.7	NNS	</=2.7	NNS	NNS
Temp_Air		Degrees C											
pH_Field				6.0-9.0	6.0-9.0	6.5-9.0	4.5-9.0	5.0-9.0	6.5-9.0	NNS	6.5-9.0	6.5-9.0	5.0-9.0
Dissolved_Oxygen		mg/l											
Barometric_Press		mm/Hg											
Cond_Field		(umhos/cm)		Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable
Turbidity		NTU		Variable	Variable	NNS	NNS	25.000	25.000	NNS	NNS	25.000	25.000
Water_Elev													
Phys_Hab													
Mac_Invert													
TotColi		N/100 ml											
E_coli		Colonies/100 mL		NNS	NNS	NNS	NNS	Variable	Variable	NNS	Variable	Variable	Variable
NO3		mg/L						10.000					
Nitrate+Nitrite		mg/L		NNS	NNS	NNS	NNS	10.000	NNS	10.000	NNS	10.000	10.000
NO2		mg/L						1.000					
Ortho_PO4		mg/L											
SO4		mg/L		250.000	250.000	NNS	NNS	250.000	250.000	250.000	NNS	250.000	250.000
TDS		mg/L		500.000	500.000	NNS	NNS	500.000	500.000	500.000	NNS	500.000	500.000
As_Filtered		mg/L		.340 -.150	.440-.230	0.200	2.000	0.010	0.030	0.010	0.280	0.010	0.010
Ba_Filtered		mg/L		NNS	NNS	NNS	NNS	2.000	186.670	NNS	186.670	2.000	2.000
Cd_Filtered		mg/L		Tbl -4'	Tbl -4'	0.050	0.050	0.005	0.470	0.008	0.470	0.005	0.005
Ca		mg/L											
Cr_Filtered		mg/L		NNS	NNS	1.000	1.000	0.100	NNS	NNS	NNS	0.100	0.100
Cu_Filtered		mg/L		Tbl -4'	Tbl -4'	0.500	5.000	1.300	9.330	NNS	9.330	1.300	1.300
Fe_Filtered		mg/L		NNS-1.	NNS	NNS	NNS	0.300	NNS	0.300	NNS	0.300	0.300
Pb_Filtered		mg/L		Tbl -4'	Tbl -4'	0.100	10.000	0.015	0.015	0.015	0.015	0.015	0.015
Mg		mg/L											
Mn		mg/L		NNS	NNS	NNS	10.000	0.050	130.670	0.100	130.670	0.050	0.050
Hg_Filtered		mg/L		.0024D-.00001D	2.4D-.01D	0.010	NNS	0.002	0.280	0.002	0.280	0.002	0.002
K		mg/L											
Se_Filtered		mg/L		NNS-.0020T	.033-.002	0.050	0.020	0.170	4.670	4.200	4.670	0.170	0.170

Creating a Simple, Functioning Water Quality Database

AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	
NO3	Nitrate+Nitrite	NO2	Ortho_PO4	SO4	TDS	As_Filtered	Ba_Filtered	Cd_Filtered	Ca	Cr_Filtered	Cu_Filtered	Fe_Filtered	Pb_Filtered	Mg	Mn	Hg_Filtered	K	Se_Filtered	Ag_F
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	m
0.1	0.1	<.10		542	1050	<.02	0.01	<.002	4	<.005	<.01	0.04	<.002	<1	<.02	<.0002	3	0.005	<.01
1.22	1.22	<.10		368	631	<.002	0.04	<.002	110	<.020	<.01	0.25	<.002	23	<.02	<.0002	3	0.016	<.01
5.15	5.26	0.11		454	908	0.002	0.03	,.002	115	<.005	<.01	0.06	<.002	40	<.02	<.0002	2	0.019	<.01
						0.002	0.04	<.002	131	<.005	<.01	0.23	,.002	50	0.02	<.0002	7	0.012	<.01
			17.2																
9.36	9.36	<.10		1360	1070	0.002	0.02	<.002	149	<.005	<.01	0.03	<.002	56	<.02	<.0002	5	0.024	
						<.002	0.02	<.002	154	<.005	<.01	0.07	<.002	60	<.02	<.0002	6	0.015	<.01
0.25	0.25	<.10		68.2	321	0.009	<.01	<.002	33	<.005	<.01	0.07	<.002	21	<.02	<.0002	7	0.008	<.01
1.19	1.19	<.10	<.05	7.15	107.000				9		<.01	0.11		3	1				
1.2	1.2	<.10		5.12	107	0.006	0.03	<.0002	8		8	0.12	<.002	2	<.02	<.0002	2	<.002	,.01
			12.2																
37.2	37.2	<.10		255	764	0.00	0.04	<.002	109	<.005	0.01	0.03	<.002	34	<.02	<.0002	6	0.018	<.01
						<.002	0.04	<.002	114	<.005	<.01	<.10	<.002	37	<.02	<.0002	7	0.015	<.01
<.10	<.10	<.10	<.05	134	339.000	<.002	0.03	<.0002	53	0.04	<.01	0.12	<.0002	15	0.02	<0.0002	2	0.004	<.01
5.43	5.43	<.10		1630	1250.000	0.004	0.02	<.002	120	<0.020	<.01	0.52	<.002	36	0.04	<.0002	8	0.002	<.01
<.10	<.10	<.10	<.05	19.8	217.000	0.003	0.11	<.0002	30	0.028	<.01	0.05	<.002	13	0.03	<.0002	4	<.002	<.01
3.91	3.91	<.10	<.05	18	130.000	0.002	0.05	<.0002	28	0.03	<0.01	0.09	<.02	4	<.02	<.0002	2	<.0002	<0.01
<.10	<.10	<.10	<.05	19.1	219.000	0.003	0.11	<.0002	31	0.018	<0.01	0.07	0.005	14	0.03	<.0002	6	<.002	
<.10	<.10	<.10		308.00	1230.00	0.00	0.01	<.002	9.00	<.005	<.01	0.50	<.002	3.00	0.02	<.0002	4.00	<.010	<.01
2.31	2.31	<.10		457.00	566.00	<.002	0.03	<.002	111.00	<.02	<.01	0.42	<.002	20.00	<0.02	<.0002	4.00	0.00	<.01
		<.10		314		<.002	0.02	<.002	108	<.005	<.01	0.06	<.002	25	<.02	<.0002	3	0.003	<.01
<.10	<.10	<.10		415	663.000	<.002	0.02	<.0002	120		<.01	0.33	<.002	26	<.02	,.0002	4	0.004	
6.15	6.15	<.10		782	824.000	<.002	0.02	<.002	99	<.005	<.01	0.02	<.002	36	<.02	<.0002	4	0.015	<.01
4.22	4.22	<.10		2200	3290.000	<.020	0.03	<.002	314	<.005	<.01	0.14	<.020	259	0.02	<.0002	17	<.002	<.01
3.48	3.48	<.10		160	430	<.02	0.01	<.002	62	<.005	<.01	0.55	<.002	15	<.02	<.0002	4	0.096	<.01
		<.10		66.4		0.003	<.01	<.002	1	<.005	0.02	0.24	<.002	<1	<.02	<.0002	2	<.002	<.01
0.19	0.19	,.10		72.8	468.000	<.005	<.01	0.0002	1		0.02	0.28	<.002	<1	<.02	<.0002	3	,.002	<.01
0.11	0.11	<.10		132.00	526.00	0.01	<.01	<.002	1.00	<.02	<.01	0.40	0.00	<1	<.02	<.0002	1.00	<0.02	<.01
0.8	0.8	<.10		45.4	292	0.002	0.04	<.002	24	<.005	<.01	0.16	<.002	6	<.02	<.0002	4	0.004	<.01



A	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
Station_Name	NO3	Nitrate+Nitrite	NO2	Ortho_PO4	SO4	TDS	As_Filtered	Ba_Filtered	Cd_Filtered	Ca	Cr_Filtered	Cu_Filtered	Fe_Filtered	Pb_Filtered	Mg	Mn	Hg_Filtered	K
Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Culvert Spring	1.19	1.19	<.10	<.05	7.15	107				9		<.01	0.11		3	1		
Pasture Canyon - Middle	<.10	<.10	<.10	<.05	19.1	219	0.003	0.11	<.0002	31	0.018	<0.01	0.07	0.005	14	0.03	<.0002	6
Pasture Canyon - Upper	<.10	<.10	<.10	<.05	19.8	217	0.003	0.11	<.0002	30	0.028	<.01	0.05	<.002	13	0.03	<.0002	4
Pasture - Upper Spring	3.91	3.91	<.10	<.05	18	130	0.002	0.05	<.0002	28	0.03	<0.01	0.09	<.02	4	<.02	<.0002	2
Little Hollow Windmill	<.10	<.10	<.10	<.05	134	339	<.002	0.03	<.0002	53	0.04	<.01	0.12	<.0002	15	0.02	<0.0002	2
Lomeva Spring	5.43	5.43	<.10		1630	1250	0.004	0.02	<.002	120	<0.020	<.01	0.52	<.002	36	0.04	<.0002	8
Akpi Spring Mishongnovi	1.22	1.22	<.10		368	631	<.002	0.04	<.002	110	<.020	<.01	0.25	<.002	23	<.02	<.0002	3
Tepva Spring	4.22	4.22	<.10		2200	3290	<.020	0.03	<.002	314	<.005	<.01	0.14	<.020	259	0.02	<.0002	17
Windmill 3M-156	0.11	0.11	<.10		132.00	526	0.01	<.01	<.002	1.00	<.02	<.01	0.40	0.00	<1	<.02	<.0002	1.00
Sand Springs	2.31	2.31	<.10		457	566	<.002	0.03	<.002	111	<.02	<.01	0.42	<.002	20	<0.02	<.0002	4
Tepva Spring	6.15	6.15	<.10		782	824	<.002	0.02	<.002	99	<.005	<.01	0.02	<.002	36	<.02	<.0002	4
Bacavi East Spring	5.15	5.26	0.11		454	908	0.002	0.03	<.002	115	<.005	<.01	0.06	<.002	40	<.02	<.0002	2
Bacavi West Spring				17.2														
Bacavi West Spring	9.36	9.36	<.10		1360	1070	0.002	0.02	<.002	149	<.005	<.01	0.03	<.002	56	<.02	<.0002	5
Hotevilla Spring				12.2														
Hotevilla Spring	37.20	37.20	<.10		255.00	764	0.00	0.04	<.002	109.00	<.005	0.01	0.03	<.002	34.00	<.02	<.0002	6.00
Wepo Spring	3.48	3.48	<.10		160	430	<.02	0.01	<.002	62	<.005	<.01	0.55	<.002	15	<.02	<.0002	4
Wingva Spring - Tom Chee's	0.8	0.8	<.10		45.4	292	0.002	0.04	<.002	24	<.005	<.01	0.16	<.002	6	<.02	<.0002	4
Culvert Spring																		
Pasture Canyon Reservoir (composite)																		
Sand Springs No.2			<.10		314		<.002	0.02	<.002	108								
Windmill 3K-344			<.10		66.4		0.003	<.01	<.002	1								
Bell Butte Overhead	0.25	0.25	<.10		68.2	321	0.009	<.01	<.002	33								
Bacavi East Spring							0.002	0.04	<.002	131								
Bacavi West Spring							<.002	0.02	<.002	154								
Hotevilla Spring							<.002	0.04	<.002	114								
Ranger WM Over Head	<.10	<.10	<.10		308	1230	0.004	0.01	<.002	9								
Sand Springs No.2	<.10	<.10	<.10		415	663	<.002	0.02	<.0002	120								
Windmill 3K-344	0.19	0.19	,.10		72.80	468	<.005	<.01	0.00	1.00								
Culvert Spring	1.2	1.2	<.10		5.12	107	0.006	0.03	<.0002	8								
Windmill 3M-156	<.6	<5	<.10		120	489	0.002	<.01	<.0002	<1								
Susungva Spring	<.60	<5	<.10		37	221	<.002	0.06	<.0002	39								
Burro Spring	<.60	<.50	<.10		75	317	0.002	0.08	<.0002	46								
White Wall Spring	<.60	<.50	<.10		170	356	0.002	0.06	<.0002	48								
Windmill 6-2B6	<.60	<5	<.10		84	243	<.002	<.01	<.0002	33								
Windmill 3M-175	<.60	<.50	<.10		51	228	<.002	0.01	<.0002	22								
Windmill 3K-345	0.67	0.67	<.10		35	181	<.002	0.01	<.0002	15								



	AB	AC	AD	AE	AF	AG	AH	AI	AJ
ab	Mac_Invert	TotColi	E_coli	NO3	Nitrate+Nitrite	NO2	Ortho_PO4	SO4	TDS
		N/100 ml	N/100 ml	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
				1553.1	1				

U.S. ENVIRONMENTAL PROTECTION AGENCY

WQX Web

ver. 2.12.04.

You are here: Home > Datasets > Dataset Summary

Dataset Summary

Type: Activities and Results
Import Configuration: Rae Xtab Import Configuration
Organization ID: HOPI_WQX
Status: Imported

Import

Error/Warning/Message: 4633 / 0 / 7 View Log
Start Time: 01-29-2015 02:12:33 AM
End Time: 01-29-2015 02:17:35 AM
File/Transaction ID: EPA Submission Sheet (1-27-15).txt

Datasets are Temporary

Datasets are temporary and must be submitted to CDX to become permanent.

To keep this system clean, please delete datasets that have been processed successfully at CDX or are no longer needed. The system will automatically delete this dataset in 15 days.

Entity	Total	Invalid	New	Existing
Activity	477	477	299	0
Result	4527	1477		

Validation Errors	Initial	Unresolved
Max Length Exceeded	233	233
Invalid Domain Value	1356	1356
Required Value Missing	534	534
Invalid Formatted Value	483	483
Other (view log)	1565	1565

Return | Delete | Export/Submit File(s)

U.S. ENVIRONMENTAL

WQX Web

You are here: Home > Datasets > Dataset Summary

Dataset Summary

Type:	Activities and Results
Import Configuration:	Activity/Results 2-16-15Rae
Organization ID:	HOPI_WQX
Status:	Completed at CDX

Submission Completed!

Your submission was processed successfully. Please delete this temporary dataset now, to keep the system clean.

	Import	Export
Error/Warning/Message:	0 / 0 / 8 View Log	0 / 0 / 5 View Log
Start Time:	02-24-2015 03:50:33 PM	02-24-2015 03:59:38 PM
End Time:	02-24-2015 03:58:16 PM	02-24-2015 04:01:32 PM
File/Transaction ID:	EPA Submission Sheet (2-18-15) (1).txt	_5fc16584-529c-44dd-98aa-acce3ddd2c37

Entity	Total	Invalid	New	Existing
Activity	586	0	586	0
Result	4384	0		

Documents (available for download)
WQX Submission 37657 Update.zip
ValidationResults.xml
ProcessingReport.zip - View in Browser

YAY!! BEST DAY EVER!!

Return | Delete | Export/Submit File(s)

While on a Walk One Day…

How quickly do storm events drain?

Where does water run, seep or sit?

What kind of classification would this soil be?

How do storm events effect the strength of the soils and eroding rock formations?


THANK YOU!
QUESTIONS?