“Keep it clean, ‘cause we’re all downstream!”

City of Boulder Stormwater Education Program
and
Watershed Approach to Stream Health (WASH)

2005 Progress Report

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City of Boulder/WASH

January 2006
Overview
The WASH Project has contracted with the City of Boulder’s Stormwater Education Program to support and expand delivery of stormwater education to the public and school-aged children in WASH communities. The new WASH Education Program provides school based education and community based outreach programs that meet state requirements for Minimum Control Measures (MCM) 1 and 2. The WASH contract was signed in May 2003 at which time services began.

The WASH Education sub-committee meets every month prior to the Steering Committee meeting to make decisions on education and outreach programs and/or to discuss topics prior to bringing them forward to the Steering Committee.

Staff
WASH Education Program staff consists of one 1/4 time Education Coordinator, and the equivalent of 1.5 FTE Water Education Specialists. Since November 2003, the WASH Education Program has been fully staffed.

MCM 1: Public Education and Outreach

Community Based Public Outreach Program: Brochures or Fact Sheets

2005 Measurable Goal: will be developed for targeted activities as necessary. The remaining 20% of brochures equivalent to the number of households in each Partner’s permitted area will be produced. Each WASH Partner is responsible for distributing the materials.

The WASH Keep it Clean brochure was created in 2005 for general public audiences. It features graphics and information from the ‘Keep it Clean’ campaign and includes information on the impacts of illicit discharges and other water quality issues. Distribution of the After the Storm brochure in Spanish continued in 2005. A total of 41,691 Spanish and English language brochures were distributed in 2005 throughout WASH communities at school, community, business outreach and residential direct mail programs. In addition, WASH participated in a partnership project with Boulder County Ecocycle. Through this partnership, WASH distributed 41,500 ‘Keep it Clean’ newsletter inserts to Boulder County residents. The city of Boulder and Boulder County also continued to distribute the H2ooh! brochure created in 2004. A total of 2,648 of these brochures were distributed to WASH community residents in 2005. In total, WASH distributed 85,729 brochures and inserts in 2005.

The ‘Keep it Clean’ brochure will be translated into Spanish and printed for Spanish speaking audiences.

Each WASH Partner is responsible for distributing a number of brochures approximate to 100% of the number of their equivalent households over the permit term. A summary of distribution methods follows:
<table>
<thead>
<tr>
<th>Partner</th>
<th>Distribution means</th>
<th>Number of households</th>
<th>Number distributed by Partners in 2003</th>
<th>Number distributed by Partners in 2004</th>
<th>Number distributed by Partners in 2005</th>
<th>% of total households</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boulder County</td>
<td>Community and school events and Ecocycle insert</td>
<td>8,900</td>
<td>0</td>
<td>7,700</td>
<td>38,906</td>
<td>524</td>
</tr>
<tr>
<td>Boulder</td>
<td>Utility bill insert, community and school events</td>
<td>39,596</td>
<td>37,000</td>
<td>27,833*</td>
<td>31,513</td>
<td>243</td>
</tr>
<tr>
<td>Longmont</td>
<td>Independent mailings, Ecocycle Insert, community and school events</td>
<td>26,667</td>
<td>21,500</td>
<td>850</td>
<td>8,162</td>
<td>114</td>
</tr>
<tr>
<td>Louisville</td>
<td>Utility bill insert, community and school events</td>
<td>7,216</td>
<td>8,100</td>
<td>14</td>
<td>916</td>
<td>125</td>
</tr>
<tr>
<td>Superior</td>
<td>Newsletter insert, community and school events</td>
<td>4,500</td>
<td>4,800</td>
<td>0</td>
<td>532</td>
<td>118</td>
</tr>
<tr>
<td>Erie</td>
<td>Utility bill insert, community and school events</td>
<td>3,750</td>
<td>3,750</td>
<td>250</td>
<td>5,900</td>
<td>264</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>90,629</strong></td>
<td><strong>75,150</strong></td>
<td><strong>36,647</strong></td>
<td><strong>85,929</strong></td>
<td><strong>218</strong></td>
</tr>
</tbody>
</table>

* Boulder produced the H2oooooh! Stormwater brochure as part of the continued “Keep it clean, ‘cause we’re all downstream!” water quality communications campaign in 2004. This brochure was distributed again in 2005 along with the new ‘Keep it Clean’ brochure which was used as the 2005 Utility Bill insert.

In addition to brochures, stormwater and water protection information is also distributed via email list serves. For example, WASH distributed stormwater and water pollution prevention information through the ‘Keep it Clean’ pollution prevention tip to all Boulder County and city of Boulder employees in September 2005.

‘Keep it Clean’ campaign

“Keep it clean, ‘cause we’re all downstream!”

H2O Jo and Flo along with campaign components continue to be instrumental in delivering the NPS Message: “Keep it clean, ‘cause we’re all downstream!” The large, inflatable campaign mascots, H2O Jo and Flo, joined WASH staff at 17 school/ community based events and conferences in 2005. Available on loan to Front Range communities, Jo and Flo also appeared at 10 events throughout the state in 2005.

WASH staff continues to distribute campaign materials as take-home components to the Get to Know Your H2O School and Community Education programs. In 2005 it is estimated that WASH staff distributed 962 sticky note pads, 3,775 magnets,
5,390 tattoos and 7,490 stickers. Distribution of these materials, in addition to the new Adventures of H2O Jo and Flo activity book (see Alt Info Sources below), and brochure distribution help get the campaign message into WASH community homes and businesses.

2005 Grant Awards
WASH received two grants from the State of Colorado NPS program (CDPHE) in 2005.

‘Keep It Clean’ Neighborhood Watershed Stewardship Program
The ‘Keep it Clean’ Neighborhood Water Stewardship Program (NWSP) is a neighborhood-based NPS behavior change and outreach program. The project goal is to engage WASH community residents in water protection activities that help them take the necessary actions to reduce NPS pollution in their community. To accomplish this goal, the ‘Keep it Clean’ NWSP includes three main components:

- **Implement the Empowerment Institute Livable Neighborhood Water Stewardship Program to encourage residential behavior changes:** WASH and city of Boulder Education staff will be trained to implement this pilot program in at least 1 neighborhood in each WASH community. Neighborhood teams of 5-8 households learn about NPS issues and complete at least 5 water protection actions.

- **Measurable Results:** Program water quality action logs and surveys will be used to gain quantifiable feedback on the behaviors taken and the environmental impacts.

- **State-wide Transferability:** In an effort to encourage state-wide program implementation, WASH will develop and deliver a project summary presentation for Colorado communities.

The WASH Project in partnership with the city of Boulder received a $25,000 grant to pilot The ‘Keep it Clean’ Neighborhood Water Stewardship Program (NWSP) in WASH communities. This neighborhood-based NPS behavior change and outreach program will engage 6-8 households in each WASH community in water protection activities that help them take the necessary actions to reduce NPS pollution in their community. Behavior change reporting tools will be used to track project measurable results. Lessons learned and tools created from this pilot project can be used as I and E components of a Watershed Plan and/or Phase II permit plans in Colorado communities.

WASH staff participated in the Empowerment Institute Training in October 2005. The program will be implemented in WASH communities in the spring, summer and fall of 2006.

A Ride Through the Storm Drain: The Adventures of H2O Jo
The WASH Project received $3,450 in NPS Outreach Mini Grant funds to develop a short video that will serve as a Non Point Source (NPS) outreach tool for Colorado communities. The broadcast quality, six-minute video, “A Ride Through the Storm Drain: The Adventures of H2O Jo,” will be shown on local cable stations, at public outreach events and in school, library and business settings. This video broadens the scope of the ‘Keep it Clean’ campaign by providing a multi-media opportunity for thousands of Colorado residents to see the video and learn what they can do to prevent NPS pollution.

The WASH Project obtained permission to use the script from a six-minute video produced in Salt Lake County, Utah. The video, “A Ride Through the Storm Drain,” was shown at the Urban Drainage Stormwater Taskforce meeting on April 11, 2005. After this showing, Ms. Rosato invited the group to participate in the video project. Eighteen (18) Colorado municipalities responded to this invitation with a total contribution of $4,750.

The proposed video, “A Ride Through the Storm Drain: The Adventures of H2O Jo,” will be designed with new video footage, specific to Colorado, and the animated water drop will be replaced with H2O Jo.
In the video, the narrator, H2O Jo, falls from the sky and encounter urban pollution sources in his journey from the sky, down a street, to the storm drain and ultimately to a creek or river. Through narration and powerful images, the video will tell the NPS story and will conclude with a call to action for Colorado residents. Here, H2O Jo will share what people can do to prevent NPS pollution.

The video is slated for completion and distribution in late January 2006.

**Alternative Information Sources**

**2005 Measurable Goal:** Continue to develop stormwater materials for web site.

In an effort to brand the web site with the same images as the ‘Keep it Clean’ outreach campaign and to provide a more user friendly web site, WASH incorporated the ‘Keep it Clean’ campaign look into the basin.org/wash web site and reorganized the web site for ease of navigation. Web viewers now easily navigate through WASH background information (including the six MCMs, annual reports and stormwater resources) as well as though pages specific to the Education and Outreach Program activities. [www.basin.org/WASH](http://www.basin.org/WASH). The web site is updated frequently to include the most current WASH project information.

WASH realized an increase in web visitors in 2005 from 2004.

<table>
<thead>
<tr>
<th>Year</th>
<th>Average Monthly Total Page Requests</th>
<th>Average Monthly Distinct Hosts Served</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>1,587</td>
<td>703</td>
</tr>
<tr>
<td>2005</td>
<td>3,363</td>
<td>859</td>
</tr>
</tbody>
</table>

Each WASH Partner’s web site references the WASH web site: [www.BASIN.org/WASH](http://www.BASIN.org/WASH).

**Boulder County:** web site is [http://www.co.boulder.co.us](http://www.co.boulder.co.us)

**Boulder:** web site is [www.boulderutilities.net](http://www.boulderutilities.net)

**Longmont:** web site is [http://www.ci.longmont.co.us](http://www.ci.longmont.co.us)

**Louisville:** web site is [http://www.ci.louisville.co.us](http://www.ci.louisville.co.us)

**Superior:** web site is [www.townofsuperior.com](http://www.townofsuperior.com)

**Erie:** web site is [http://www.ci.erie.co.us/](http://www.ci.erie.co.us/)

**School Based Education Programs: Water Quality Curriculum**

**2005 Measurable Goal:** Continue to distribute curriculum to Boulder Valley School District and St. Vrain Valley School District. WatershED curriculum, Get to Know Your H2O Education Programs and WatershED Teacher Workshop will be offered to the Saint Vrain Valley School District (SVVSD) and Boulder Valley School District (BVSD) teachers.
WatershED Guide and Teacher Training

WASH education staff edited and updated the WatershED Resource Guide to include the most current and useful information for both the Boulder Creek and St. Vrain Creek Watersheds. This guide is used as the basis for the annual WatershED Teacher Training. A total of 13 classroom teachers, 1 local naturalist and 1 local environmental educator participated in this workshop in August 2005.

All BVSD and SVVSD K-5 grade teachers and 6th-12th grade science teachers received an email advertising the free two-day training. Participants completed evaluation forms and reported the following:

- 100% of participants reported the material was presented in an understandable manner, their knowledge of water quality increased because of the workshop and they would recommend the workshop to others. 99% of participants reported the materials presented were useful, while one participant stated “undecided” in this category.
- Teachers applauded the workshop’s quality of instruction and presentation, organization and relevance of activities to the classroom.
- Additional reports include: “The class was extremely valuable for me. One added benefit was bringing in the guest speakers.” and “The resources were of the highest quality and will definitely benefit science instruction for students.”

Together, the educators that attended the training will reach over 1,140 students in the 2005-2006 school year.

Education Programs

The Get to Know Your H2O comprehensive brochure featuring K-12 programs was again distributed to all K-5 teachers and 6-12 science teachers in the BVSD and SVVSD. This brochure served as a key tool in promoting the “Get to Know your H2O” Education Program.

WASH education staff facilitated 135 stormwater education programs and reached a total of 4,707 BVSD and SVVSD students in 2004. WASH staff taught programs for a total of 6,262 student contact hours.
In addition to providing classroom and field based programs, WASH staff loan out equipment to teachers wishing to teach programs in their own classroom. In 2005, 14 teachers provided programs for 611 students in BVSD and SVVSD classrooms.

**WASH Education Programs in the Press**
- A school-based program with Columbine Elementary in Boulder was featured in the Daily Camera on February 25, 2005.
- WASH coordinated a World Water Monitoring Day field based water quality program with students from Platte Middle School in Boulder. A front page photo and short write up was featured in the *Daily Camera* on October 19, 2005.
- *Times Call* included a photo of Longmont HS students using the WASH Water Quality testing equipment as part of a program with Trout Unlimited at the St. Vrain Creek on March 20, 2005.
- The *Daily Camera* featured the WASH Creek Critters Puppet show in a front page picture as part of the Earth Day program announcements on May 22, 2005.

WASH continued the partnership with the Daily Camera’s Newspapers in Education Program by creating an updated Get to Know Your H2O educational insert for distribution in BVSD and SVVSD schools. The sixteen page insert featured H2O Jo and Flo and a series of water protection and conservation activities including an expanded NPS section and Boulder and St. Vrain Creek watershed trivia facts. The free paper was advertised to BVSD and SVVSD teachers. Over 2,000 papers were distributed to teachers at 66 schools in the two school districts. The remaining 1,000 papers have been and continue to be distributed to groups through the WASH education program.

**Program Evaluation: students and teachers are saying about the WASH Education Program:**
- “This is one of the best programs I have seen in my 12 years of teaching.”
- “It was great for the kids to take a look at water in their town and think about the implications of pollution on it.”
- “I learned a lot about pollution like how it all goes down storm drains and then goes to the stream or rez. I didn’t know that before.”
- “I told my family all about what you taught me.”
- “When I grow up I want to work for WASH.”
- “From the things I learned today I will look at my environment differently in the sense that I will understand that we humans are the ones that impact our surroundings the most so we all have the power to make a huge difference, from disposing of waste in garbage bins and washing cars away from the sewers (ok-gutters) to keep that waste from going into the storm drains and straight into the creek to studying our ecosystems in order to better know how to protect them.”
Children’s Water Festival


H2O Jo and Flo reappeared in 2005 as hosts for the BVSD and SVVSD water festivals. Their message, “Keep it clean, ‘cause we’re all downstream!” was the theme.

A total of 964 5th grade students from 38 classrooms in 17 BVSD schools attended the 13th annual Children’s Water Festival in Boulder. The Festival was held at the University of Colorado campus on May 9, 2005. Additional sponsors included CU Office of Community Relations, the Bureau of Reclamation, Wild Oats Markets and the Northern Colorado Conservancy District. A front page photo and short write up appeared in the Daily Camera on May 10, 2005.

Approximately 1,000 5th grade students from 39 classrooms in 11 SVVSD schools attended SVVSD’s Water Festival on May 23, 2005 at the Raintree Center in Longmont.

74% of classes that attended the BVSD Children’s Water Festival also participated in the Level II Ambassador Program, which provided students and teachers with 6 weeks of pre-festival educational activities and includes a take home component. All SVVSD Water Festival attendees participated in the Ambassador Program.

Tributary Signs


Tributary Sign Locations:
Boulder:
- Skunk Creek – Broadway and 27th Avenue (2 signs, 1 facing each direction)
- Bear Creek – Broadway and Arapahoe (2 signs, 1 facing each direction)
- Goose Creek – 9th Street and Balsam (2 signs, 1 facing each direction)
- TwoMile Creek – Broadway and Juniper (2 signs, 1 facing each direction)
- Wonderland Creek – Broadway and Sumac (2 signs, 1 facing each direction)
- Fourmile Creek – Broadway and Rosewood (2 signs, 1 facing each direction)
- Dry Creek – 63rd and IBM Drive (2 signs, 1 facing each direction)
- South Boulder Creek – Baseline and Gapter Road (2 signs, 1 facing each direction)
- Bluebell Canyon Creek – 20th and Columbine (2 signs, 1 facing each direction)
Gregory Canyon Creek – Flagstaff and Gregory Lane (2 signs, 1 facing each direction)
Sunshine Canyon Creek – Canyon and Pearl Street (2 signs, 1 facing each direction)
Elmer’s Twomile Creek – Valmont and 28th Street (2 signs, 1 facing each direction)
Bear Creek – S Broadway and Table Mesa (2 signs, 1 facing each direction)
Boulder Reservoir- N trail head kiosk at Boulder Reservoir
Coot Lake - East side trail head kiosk
Barker Reservoir – W end of the Reservoir in Nederland
Middle Boulder Creek – W end of Barker Reservoir in Nederland

Boulder County
Dry Creek No. 2 – Sawtooth Lane and Niwot Road (at Niwot Road Underpass)
Boulder Creek – Valmont Road and 55th Street (Valmont Road underpass)
Boulder Creek – N 75th Street and N 75th Street Trailhead (W side of N 75th Street)
Lefthand Creek – Lefthand Canyon Drive and Old Stage Road (at the Buckingham Picnic Area)
Lefthand Creek – Lefthand Creek at James Creek Confluence
St. Vrain Creek – In the town of Lyons (still working with the town to determine exact location)

Erie
Coal Creek - Cheeseman and Coal Creek (N end of the park)
Coal Creek - Vista Parkway and Coal Creek
Coal Creek (2 signs) - Leon A. Wurl and Coal Creek
Coal Creek - W end of Jacques Way and Coal Creek
Coal Creek – Will be used at a future improved crossing of Coal Creek.

Louisville
Coal Creek – Dillon Road and Coal Creek
Coal Creek- Dillon Road and Coal Creek
Coal Creek – Dillon Road and Coal Creek
Coal Creek – on bike trail near Dutch Creek Property and Coal Creek
Coal Creek- on bike trail where Coal Creek crosses the Burlington Northern Rail Road Track
Coal Creek –on bike trail where Coal Creek crosses HWY 42

Longmont
St. Vrain – Main Street and St. Vrain
St. Vrain – Hover Street and St. Vrain
Lefthand Creek- Main Street and St. Vrain
Lefthand Creek – Pike Road and St. Vrain
Dry Creek #1- Airport Road and Dry Creek
Dry Creek #1 – Grandview Meadows Drive and Dry Creek

Superior
Coal Creek – McCaslin Boulevard and Coal Creek (N bound, E side.)
Coal Creek – McCaslin Boulevard and Coal Creek (S bound, W side)
Rock Creek – McCaslin Boulevard and Rock Creek (N bound, E side)
Rock Creek – McCaslin Boulevard and Rock Creek (S bound, W side)
Rock Creek – Rock Creek Parkway and Rock Creek (E side, N of bridge)
Rock Creek – Rock Creek Parkway and Rock Creek (E side, S of bridge)
<table>
<thead>
<tr>
<th>Activity</th>
<th>Boulder</th>
<th>Boulder County</th>
<th>Erie</th>
<th>Louisville</th>
<th>Longmont</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td># of DVT for streets where tributary signs are installed</td>
<td>134,959</td>
<td>34,750</td>
<td>4,700</td>
<td>13,750</td>
<td>94,600</td>
<td>35,400</td>
</tr>
</tbody>
</table>

**Alternative Information Sources**

**2005 Measurable Goal:** Develop specific campaigns to target various pollutant sources.

With the guidance and creative assistance of ECA, WASH used Alternative Information Sources funds to help cover development costs for the “Adventures of H2O Jo” Activity/Story book. This new outreach/education tool serves as a take home component for students attending the Creek Critters Puppet Show. The activity book features the story of H2O Jo and Flo including their mission, why clean water is important to them and tips on activities people can participate in to help keep water clean. Given the young audience for this book, most students take it home and ask their parents to read it with them. For this reason, the activity book is an excellent tool to bring the NPS message home to families. Teachers, parents and students alike have reported their appreciation for this fun educational resource. WASH staff distributed 757 activity books beginning in 2005.

**MCM 2: Public Participation**

**Overview**

The WASH Project has contracted with the City of Boulder’s Stormwater Education Program to continue the storm drain marking program and to implement the Annual Public Meeting (Outreach Booth) and Speaker’s Program.

**Annual Public Meetings: WASH Outreach Booth**

**2005 Measurable Goal:** Continue annual meetings.

The WASH Outreach Booth was present at one event in each WASH community in 2005. The purpose of the booth is to provide citizens the opportunity to discuss, provide input on and learn about stormwater issues.

In 2005, WASH hired Boulder based Environmental Communications Associates (ECA) to develop the WASH Outreach Booth that would be used in at least one festival/event in each WASH community for the remainder of the permit cycle.

Utilizing graphics and messages created for the ‘Keep it Clean’ water quality campaign, the newly developed ‘Keep It Clean’ Outreach Booth includes hands-on, portable, engaging activities that serve as tools for community members to learn about NPS pollution and recognize how their behaviors can affect our water.
quality. The booth was developed and used at one large-scale community event in each WASH community (see table below) and at one city of Boulder Public Works office and Water Board meeting in 2005. A total of 2,189 people visited the booth in 2005.

<table>
<thead>
<tr>
<th>Community</th>
<th>Event</th>
<th>Location</th>
<th>Date</th>
<th>WASH Staff Schedule</th>
<th># of Visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boulder County</td>
<td>Boulder County Fair</td>
<td>Boulder County Fairgrounds</td>
<td>7/30/05 &amp; 8/3/05</td>
<td>Curry/Lisa/Cecelia</td>
<td>150</td>
</tr>
<tr>
<td>Boulder</td>
<td>Fall Festival</td>
<td>Pearl Street Mall</td>
<td>9/25/2005</td>
<td>Jennelle/Lisa/Steve/ Paul</td>
<td>127</td>
</tr>
<tr>
<td>Erie</td>
<td>Erie Town Fair</td>
<td>Downtown</td>
<td>5/21/2005</td>
<td>Lisa/Jennelle/Steve/ Wendi</td>
<td>700</td>
</tr>
<tr>
<td>Longmont</td>
<td>Rhythm on the River</td>
<td>Roger's Grove</td>
<td>7/9/2005</td>
<td>Steve, Jennelle, David and Ela</td>
<td>444</td>
</tr>
<tr>
<td>Louisville</td>
<td>Taste of Louisville</td>
<td>Old Town</td>
<td>6/11/2005</td>
<td>Curry/Lisa/Steve/ Ken</td>
<td>560</td>
</tr>
<tr>
<td>Superior</td>
<td>Chili Cookoff</td>
<td>Downtown</td>
<td>9/10/2005</td>
<td>Curry / Lisa / 2 volunteers</td>
<td>158</td>
</tr>
<tr>
<td>Boulder</td>
<td>Staff and Water Board presentation</td>
<td>City of Boulder Public Works Dept. and Board Meeting</td>
<td>11/28/2005</td>
<td>Curry present, Steve, Lisa, Jennelle help set up/take down</td>
<td>50</td>
</tr>
</tbody>
</table>

The ‘Keep it Clean’ Outreach Booth project was funded by WASH, the city of Boulder and by a $5,000 NPS grant from the State of Colorado (CDPHE.) Because grant funds were used to help develop the Outreach Booth, the booth development and fabrication information will be shared with Colorado communities in hopes that they will also develop an Outreach Booth as a tool to further their community’s NPS outreach efforts.

Additional Community Outreach Efforts

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th># Contacts</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/12/2005</td>
<td>CU RA Resource Fair</td>
<td>Boulder</td>
<td>165</td>
<td>General Outreach booth with literature</td>
</tr>
<tr>
<td>8/10/2005</td>
<td>Boulder Farmer's Market</td>
<td>Boulder</td>
<td>500</td>
<td>Keep it Clean materials distribution</td>
</tr>
<tr>
<td>9/5/2005</td>
<td>Boulder Race Series</td>
<td>Boulder</td>
<td>100</td>
<td>Distribute materials at booth</td>
</tr>
<tr>
<td>Total Outreach Contacts</td>
<td></td>
<td></td>
<td>2765</td>
<td></td>
</tr>
<tr>
<td>Total Outreach Events</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
Storm Drain Marking Program  
2005 Measurable Goal: Continue the marking program. A minimum of 5% of storm drains will be marked in each WASH partner community.

347 volunteers marked a total of 815 storm drains in 2005. All WASH communities exceeded the goal of 5% marked drains. In 2005, WASH Education staff continued to use the das curb marker with adults and spray paint and stencils with children less than 18 years of age.

Volunteers were recruited via a flyer to local community groups, the city of Boulder and Longmont community service programs and through school and scout groups. For the third year in a row, WASH Education staff worked closely with Boulder County Youth Corps volunteers as they marked storm drains throughout Boulder County.

Storm Drain Marking program volunteers distributed 2,174 fish door hangers as part of the marking program in neighborhoods in 2005. The brightly colored, fish shaped door hangers, available in both English and Spanish, inform residents about the storm drain marking program and provide tips on ways to protect and conserve local waters. The door hanger also lists the basin.org/wash web site and the spill report line, 303-441-4444.

A photo and short write up of a Longmont Boy Scout troop storm drain marking project appeared in the Times Call on September 5, 2005 and a photo and short write up of a Girl Scout troop marking to earn their EPA Water Drop Patch appeared in the Times Call on October 2, 2005.

<table>
<thead>
<tr>
<th>Partner</th>
<th>Total Storm Drains</th>
<th>Stenciled in 2003</th>
<th>Stenciled in 2004</th>
<th>Stenciled in 2005</th>
<th>Percent of Total Stenciled in 2005</th>
<th>Percent of Total Stenciled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boulder County</td>
<td>225</td>
<td>82</td>
<td>40</td>
<td>31</td>
<td>13.8</td>
<td>68</td>
</tr>
<tr>
<td>Boulder</td>
<td>4,180</td>
<td>209</td>
<td>439</td>
<td>402</td>
<td>9.6</td>
<td>25</td>
</tr>
<tr>
<td>Longmont</td>
<td>1,820</td>
<td>99</td>
<td>95</td>
<td>115</td>
<td>6.3</td>
<td>17</td>
</tr>
<tr>
<td>Louisville</td>
<td>600</td>
<td>43</td>
<td>137</td>
<td>31</td>
<td>5.2</td>
<td>35</td>
</tr>
<tr>
<td>Superior</td>
<td>300</td>
<td>22</td>
<td>20</td>
<td>74</td>
<td>24.7</td>
<td>8</td>
</tr>
<tr>
<td>Erie</td>
<td>320</td>
<td>62</td>
<td>17</td>
<td>162</td>
<td>51</td>
<td>75</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7445</strong></td>
<td><strong>517</strong></td>
<td><strong>748</strong></td>
<td><strong>815</strong></td>
<td><strong>11</strong></td>
<td><strong>28</strong></td>
</tr>
</tbody>
</table>

WASH Partner Storm Drain Stencil Information:
StreamTeams
2005 Measurable Goal: StreamTeam Program will be initiated.

WASH staff put together resources for the StreamTeam program and promoted the program to teachers at the August teacher workshop. In addition to teacher and classroom participation, community groups were contacted about the program.

StreamTeam Program participants have the option to participate in any of the following activities. WASH staff will provided training on how to use the equipment and will loan out the equipment free of charge to all interested parties.

StreamTeam equipment available for loan/volunteer opportunities:
- Water Quality Testing equipment (LaMotte and Chemetrics)
- Creek Clean Up Kits
- Storm Drain Marking and Stenciling Kits

All above materials were used by community volunteers (including school groups) in 2005, however, volunteers tended to use it on a one time only basis. In addition, the Boulder Flycaster (TU Chapter) participated in the StreamTeam Program by monitoring a section of Boulder Creek for four months. Due to lack of continued volunteer interest, the Flycasters monitoring program was dropped in the fall of 2005.

The Boulder Flycaster experience coupled with the recognition that volunteers were not participating on a regular basis served as a learning opportunity for WASH staff. Staff took the opportunity to revisit the StreamTeam structure and participation requirements and identified a need to develop more comprehensive plans to ensure StreamTeam success. Staff met/ had discussions with city of Boulder, Boulder Creek Watershed Initiative and USGS staff in November and December of 2005 and made plans for a more comprehensive program that would roll out in the spring of 2006.

Speakers Program
2005 Measurable Goal: Speakers program will continue.

The Speakers Program, including an overview and list of speakers, is available on the basin.org/wash web site. In 2005, WASH staff provided 8 presentations and reached 208 people.

<table>
<thead>
<tr>
<th>Date</th>
<th>Group</th>
<th>Participant #</th>
<th>Location</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/1/05</td>
<td>Mock Realty staff meeting</td>
<td>30</td>
<td>Boulder</td>
<td>Get to Know your H2O (virtual tour)</td>
</tr>
<tr>
<td>2/2/05</td>
<td>CU Natural History Museum Brown Bag lunch</td>
<td>25</td>
<td>Boulder</td>
<td>Get to Know your H2O (virtual tour)</td>
</tr>
<tr>
<td>2/16/05</td>
<td>Earth Education CU E Center</td>
<td>11</td>
<td>Boulder</td>
<td>Get to Know your H2O (virtual tour)</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td>#</td>
<td>Program Title</td>
<td>Staff</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------------------------------------</td>
<td>----</td>
<td>------------------------------------------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>4/14/05</td>
<td>Colorado School of Mines Environmental Seminar Class</td>
<td>30</td>
<td>Watershed Education/Outreach - Benefits and Challenges</td>
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<tr>
<td>4/21/05</td>
<td>Boulder Energy Conservation Center Master Composter Program</td>
<td>32</td>
<td>Get to Know your H2O (virtual tour)</td>
<td></td>
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<tr>
<td>6/1/05</td>
<td>NIST and NOAA</td>
<td>10</td>
<td>Get to Know your H2O (virtual tour)</td>
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<tr>
<td>10/12/05</td>
<td>Boulder Optimists Club</td>
<td>30</td>
<td>Get to Know your H2O (virtual tour)</td>
<td></td>
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<tr>
<td>9/19/05</td>
<td>CU Williams Village Leadership Group</td>
<td>40</td>
<td>Water Conservation/Protection</td>
<td></td>
</tr>
</tbody>
</table>

In addition to the Speaker’s Program, WASH staff presented and/or hosted a WASH Outreach booth at 4 Colorado events/conferences and 2 National Conferences and reached 550 people.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>#</th>
<th>Program Title</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/5/06</td>
<td>Booth at Big Thompson Watershed Forum Annual Meeting</td>
<td>150</td>
<td>WASH Education/Outreach Booth featuring 'Keep it Clean' campaign</td>
<td>Curry</td>
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<tr>
<td>3/29/05</td>
<td>Water Educator's Conference</td>
<td>50</td>
<td>WASH Education/Outreach Booth featuring 'Keep it Clean' campaign materials</td>
<td>Curry</td>
</tr>
<tr>
<td>4/30/05</td>
<td>CAEE Teaching Outside the Box</td>
<td>20</td>
<td>Water Quality Testing</td>
<td>Steve</td>
</tr>
<tr>
<td>5/21/05</td>
<td>National River Rally</td>
<td>30</td>
<td>Best of the Best in Water Education activities</td>
<td>Curry (co present with Tim O'Keefe)</td>
</tr>
<tr>
<td>9/8/05</td>
<td>NPS Forum and CWA Conference</td>
<td>150</td>
<td>WASH Education/Outreach Booth featuring 'Keep it Clean' campaign</td>
<td>Curry</td>
</tr>
<tr>
<td>10/19/05</td>
<td>National NPS and Stormwater Information and Education Conference</td>
<td>150</td>
<td>WASH Education Program Evaluation (co-present with Tetra Tech) and H2O Jo at reception</td>
<td>Curry</td>
</tr>
</tbody>
</table>

Looking Ahead- Plans for 2006

The WASH Education staff is looking forward to a successful and exciting 2006. WASH will continue to provide education and outreach programs to BVSD and SVVSD teachers and will evaluate and measure the program’s effectiveness along the way.

Spring 2006 marks the beginning of a revisit to the StreamTeam program. WASH Education staff will form a StreamTeam advisory group consisting of local water quality experts, colleagues and WASH staff. This group will form the vision and goals for the StreamTeam program to ensure its long-term success. The group will develop criteria, expectations and training plans for StreamTeam volunteers with the goal of promoting a StreamTeam program in the spring/summer of 2006.
WASH will continue to use the ‘Keep it Clean’ Outreach Booth for WASH community events and will expand the booth presence in WASH communities by identifying new booth opportunities. For example, WASH community buildings, libraries and water festivals could be great places to feature components of the WASH Outreach Booth. This booth will serve as a tool to bring water protection messages to the public in a fun and engaging way.

WASH staff are looking forward to receiving the “A Ride Through the Storm Drain” video in late January of 2006 and using it as part of our education/outreach programs. Staff is also eager and excited to begin implementing the Neighborhood programs. We feel this program will serve as an excellent tool to provide outreach and encourage water protection activities in WASH community neighborhoods.

WASH Education staff will participate in the overall WASH Evaluation program including the components featuring evaluation for MCM 1 and 2.