

Keep It Clean -- Earth Force Annual Activity Report -- 2012 (submitted January 2, 2013)

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Public Outreach Outputs (13 completed; 8 contracted)

Event	Date	Location	Number of Contacts
1 CH2M HILL Spring RiverSweep	4/21/2012	Fishback Landing Park	1,200
2 Colorado Alliance for Environmental Education's Teaching Outside the Box Conference	4/28 & 29/2012	Loveland, CO	126
3 Metro State Water Festival	5/2/2012	Tivoli Commons, Auraria Campus	500
4 Earth Force Youth Summit at Westerly Creek	5/11/2012	Stapleton Central Park Pavilion	60
5 Aurora Youth Water Festival	5/18/2012	Community College of Aurora	168
6 Walk for Whittier Carnival	5/18/2012	Whittier K-8 School	250
7 Capitol Hill People's Fair	6/2/2012	Civic Center Park	150
8 Juneteenth Music Festival	6/16 & 17/2012	Five Points	3,750
9 Sand Creek Regional Greenway 10th Anniversary Family Fun Day	8/26/2012	Smith Road Trailhead	200
10 Metro State Water Festival	9/12 & 13/2012	Tivoli Commons, Auraria Campus	150
11 World Water Monitoring Day (sponsored by EPA & CH2MHill)	9/19/2012	Confluence Park	150
12 Greenway Foundation RiverSweep	9/29/2012	Confluence Park	20
13 Fishing for Kids Water Festival	10/27/2012	Overland Pond Park	120
Total Event Contacts:			6,844

School-Based Programming (13 completed; 10 contracted)

School	Number of Students	Number of KIC Activities	Activities Completed
1 Amesse Elementary - Summer Scholars	75	2	1.) Enviroscope demonstration 2.) Macroinvertebrate sampling
2 Ashley Elementary - Summer Scholars	67	2	1.) Enviroscope demonstration 2.) Macroinvertebrate sampling
3 Aurora Academy	12	3	1.) Environmental inventorying 2.) Groundwater flow model demonstration 3.) Service project (herb garden design & installation)
4 AXL Academy	34	4	1.) presentation of PSAs 2.) building of water molecule models 3.) Incredible Journey 4.) Water quality testing (with WWMC kits)
5 Bruce Randolph School	122	5	1.) Environmental inventorying 2.) Water quality testing 3.) Macroinvertebrate sampling 4.) Nature observation 5.) Day of Action projects
6 Fletcher Intermediate Science and Technology School	35	8	1.) Stormwater drain inventory 2.) Water quality testing 3.) Build-a-watershed 4.) Watershed tour 5.) Service learning project (brochure about flooding) 6.) World Water Monitoring Day (pre-event school visit included) 7.) Field work day at Bluff Lake Nature Center (including water testing, Incredible Journey, Enviroscope, environmental inventorying) 8.) Water quality testing (including phosphates and nitrates)
7 Florida Pitt Waller K-8 - Summer Scholars	41	2	1.) Enviroscope demonstration 2.) Macroinvertebrate sampling
8 Oakland Elementary - Summer Scholars	75	2	1.) Enviroscope demonstration 2.) Macroinvertebrate sampling

9	Odyssey K-8	24	4	1.) South Platte River Research Presentations 2.) Made-up Macros art display 3.) Macroinvertebrate sampling 4.) E. coli testing using LaMotte Biopaddles (as test for KIC-NET)
10	PACE Program at Montbello Recreation Center (alternative to suspension school)	12	1	1.) Watershed walkabout
11	Place Bridge Academy	105	16	1.) Water/Culture 2.) A Drop in the Bucket 3.) Watershed Walkabout 4.) Who Polluted the Platte 5.) Water Jeopardy 6.) Macroinvertebrate Mayhem 7.) Macroinvertebrate sampling 8.) Service activity planning 9.) Clean-up Crew 10.) H2Olympics 11.) Incredible Journey 12.) peer-review of service learning product 13.) Macroinvertebrate Mayhem-student-led 14.) How to Put on Waders 15.) Macroinvertebrate identification 16.) Stormwater drain marking (22 completed)
12	Stedman Elementary - Summer Scholars	50	2	1.) Enviroscape demonstration 2.) Macroinvertebrate sampling
13	Whittier K-8	30	5	1.) Water terminology brainstorm 2.) Litter pick-up 3.) Water quality testing 4.) Macroinvertebrate sampling 5.) Environmental citizenship activity
Total Students:		682	Total Activities:	56

Out-of-School Programming (various metrics - all completed or exceeded)

	Program & Location	Number of Students	Number of KIC Activities	Activities Completed
1	McKinley-Thatcher Elementary	36	1	1.) Vacuum truck demonstration
2	Whittier K-8	30	1	1.) Vacuum truck demonstration
3	South Platte River Environmental Education - Summer Camp	30	1	1.) Vacuum truck demonstration
4	Place Bridge Academy	18	1	1.) Vacuum truck demonstration
5	Centennial K-8	13	1	1.) Vacuum truck demonstration
6	Odyssey K-8	260	1	1.) Vacuum truck demonstration
7	Happy Lady Bug Preschool	12	1	1.) Vacuum truck demonstration
8	Ashley Elementary	79	1	1.) Vacuum truck demonstration
9	Lakewood High School Environmental Club - Cottonwood Institute	9	2	1.) Water quality testing 2.) Litter pick-up
10	University of Denver Community-based Research Presentations	14	1	1.) Evaluation report "Seeking Collaboration Opportunities between Earth Force/Keep it Clean and City Agencies in Education and Outreach Around Keeping Healthy and Clean Water Ways" presented by Hagit Brandes
11	University of Denver Pioneer Leadership Program Community Change Initiative Presentations	125	1	1.) Evaluation report "Little People Big World, A Recipe for Playing in the Dirt" presented by Hannah Merten, Taylor Jordan and Hannah Parkes
12	North Middle School (Aurora) - Sand Creek Regional Greenway Partnership	7	1	1.) Water quality testing
13	South Middle School (Aurora) - Sand Creek Regional Greenway Partnership	6	1	1.) Water quality testing
14	Commerce City Boys and Girls Club - Sand Creek Regional Greenway Partnership	5	1	1.) Water quality testing
15	Northeast Denver Youth Engagement Zone Summer School	80	1	1.) Enviroscape demonstration
16	Commerce City Boys and Girls Club - Sand Creek Regional Greenway Partnership	24	1	1.) Water quality testing
17	Commerce City Boys and Girls Club - Sand Creek Regional Greenway Partnership	20	1	1.) Water quality testing

18	Colorado Environmental Education Capacity Consortium	32	2	1.) Water quality testing for World Water Monitoring Challenge 2.) Review of World Water Monitoring Challenge kits against Guidelines for Excellence in Environmental Education
19	Commerce City Boys and Girls Club - Sand Creek Regional Greenway Partnership	24	1	1.) Water quality testing
20	Commerce City Boys and Girls Club - Sand Creek Regional Greenway Partnership	20	1	1.) Water quality testing
21	Colorado Department of Education - 21st Century Community Learning Centers conference	22	2	1.) Clean Up Crew teambuilder 2.) Water quality testing for World Water Monitoring Challenge
22	Earth Force Process workshop participants	13	1	1) Water quality testing
22	South Platte River Environmental Education - Adventure Outside Day Camps	440	17	1-11.) Weekly summer camps including KIC messaging 12-14.) Issue analysis workshop, portfolio review & final presentation by River Rangers 15.) KIC messages and activities in Holiday Camps 16.) KIC activities and messages in Squads & Adventure Clubs 17.) KIC activities and messages in Excursions
23	SPREE - Greenway River Rangers	11		
24	SPREE - Holiday Camps	120		
25	SPREE - Squads & Adventure Club	25		
26	SPREE - Excursions (school field trips)	3,565		
Total Students:		5,040	Total Activities:	42

Partnership Development

Organization	2012 Developments
1 South Platte River Environmental Education (SPREE) - a division of The Greenway Foundation	KIC-infused curriculum continued for a third year. KIC messages were part of the daily instructional delivery in SPREE's programs, including River Rangers, Squads/Adventure Clubs, Summer Camps and Excursions. As Earth Force subcontracts to SPREE for these services, an MOU was signed on 6-5-12 and deliverables are being tracked against invoices. SPREE has met all of its obligations. Earth Force staff has observed SPREE programs in operation several times. We also delivered marketing collateral for distribution including temporary tattoos, stickers and signage.
2 Westerly Creek Connection	Maintained regular contact with WCC leadership & discussions about implementation of the Westerly Creek Greenway Master Plan. WCC relationship led to our inclusion in a task force convened by EPA to design restoration of a segment of the creek.
3 Sand Creek Regional Greenway Partnership	Shared KIC water quality testing kits, after training Sand Creek staff person in its use. Supported each others' programs, as an additional facilitator on two occasions. Provided letters of support for grant proposals. Maintained regular communication with staff regularly. We met with SCRGP's Americorps volunteer for 2012-13, and he received Earth Force Process training. SCRGP convened a Westerly Creek interested parties meeting on 10-9-12; we participated.
4 Bluff Lake Nature Center	Maintained regular contact with BLNC staff. Provided letters of support for grant proposals. Discussed sharing an Enviroscape. Provided water quality kits for their use with groups. Developed and began delivering a "deep science" cycle of field works days for Fletcher Intermediate 5th grade (80 students). Served as intermediary between Bluff Lake and Fletcher Intermediate to reach an urban camping experience agreement and fee.
5 Denver Parks and Recreation	With introductions from Public Works, we built relationships in support of KIC-NET/outdoor classroom concept. Maintain regular communications as they work to identify appropriate personnel from park rangers and recreation coordinators.
6 Denver Environmental Health	Maintained contact with DEH staff, consulting on KIC messaging and identification of organisms found during macroinvertebrate sampling. Commented on their annual water quality report. Consulted on use of their data and findings for KIC communications.
7 Colorado Department of Public Health and Environment - Environmental Leadership Program	Maintained regular contact with CDPHE staff. Prepared and submitted 2 applications to the Environmental Leadership Program on behalf of partners. SPREE was awarded a bronze acheiver by CDPHE's Environmental Leadership Program following our nomination. Denver Public Schools was recognized as a gold leader as well, with our assistance.
8 RiverWatch - a division of the Colorado Watershed Assembly	Maintained regular contact with RiverWatch staff. Collaborated on a RiverWatch training and a grant proposal.

9	CoCoRaHS (Community Collaborative Rain, Hail & Snow Network)	Maintained contact with CoCoRaHS education staff especially through Colorado Water 2012.
10	Groundwork Denver	Maintained regular contact with GWD staff. Collaborated on a grant proposal. GWD distributed about 2000 pieces of KIC collateral on our behalf. Toured Bear Creek with GWD staff to assess potential for KIC-NET work there.
11	Cottonwood Institute	Maintained regular contact with Cottonwood Institute staff. Shared water testing resources for their youth programming.
12	Colorado Foundation for Water Education	Maintained regular contact with CFWE staff. Pitched idea of a Westerly Creek - Sand Creek watershed event as part of their series of bicycle tours. Submitted materials for consideration in their 2012 Annual Report.
13	CityWILD	Maintained regular contact with CityWILD staff. Co-facilitated a series of 5 field experiences for DPS Summer Scholars.
14	University of Denver	Worked on 2 student research projects: A PhD student conducted "Seeking Collaboration Opportunities between Earth Force/Keep It Clean and City Agencies in Education and Outreach around Keeping Healthy and Clean Water Ways." Three sophomores conducted "Little People Big World, A Recipe for Playing in the Dirt."
15	Water 2012	Participated in monthly K-12 committee meetings and bi-monthly Water 2012 coalition meetings. Provided KIC information for their newsletter, website and evaluation reports. Submitted a grant request for 11 sets of their Citizen's Guides for inclusion in KIC-NET toolkits.
16	EPA, Region 8: Urban Waters Federal Partnership, Office of Environmental Justice, Brownfields Program	Participated in working group meetings, including hosting one. Provided technical assistance to Westerly Creek Restoration Planning project, including facilitation of youth portions of two public meetings. Developed stronger working relationships with EPA Urban Waters staffers. Participated in National Urban Waters Partnership Workshop in Washington, DC, Oct. 23-25.
17	Colorado Service-Learning Council	Maintained representation on this working group.
18	America's Promise - City of Aurora Youth Development Office	Participated in monthly Educational Effectiveness committee meetings and bi-monthly coalition meetings. Helped judge entries to their 2013 calendar contest.
19	Cherry Creek Stewardship Partners	Reconnected with their watershed coordinator. Participated in Cherry Creek Ecology Workshop.
20	Expeditionary Learning Schools	Maintained regular contact with their Mountain Regional staff. Participated in the Expeditionary Learning National Conference.
21	Trust for Public Land	Connected with their staff, especially the Westerly Creek project manager. Met with their CO state development person to explore potential for collaboration.
22	Denver Zoo	Met with education staff, as two of them came from Keep It Clean campaign backgrounds. Shared KIC programming, vac truck visits, field trips, etc., especially as part of their "Water Warriors" unit and teen summer internships. Recruited students for Zoo Career Day from KIC schools.
23	Trout Unlimited	Met with education staff. Shared contacts for their aquatic education program. Recruited members to volunteer at WWMD event. Oriented them to KIC-NET.
24	North American Association for Environmental Education	Presented and participated in their 41st annual conference in Oakland, CA, Oct. 10-13. Serve as member of the Accreditation Board, charged with accrediting state/provincial level certification programs for environmental educators.
25	Green Schools National Conference	Co-facilitated the Water Theme of the Student Summit on Feb. 27.

Professional Development Workshops (60 completed; 40 contracted)

Workshop Title	Date	Audience	Number of Participants
1 Earth Force Service-Learning Workshop	2/8/2012	teachers, nonformal educators, community partners	21
2 Earth Force Service-Learning Workshop	3/31/2012	DSST Cole teachers	2
3 Earth Force Service-Learning Workshop	5/4/2012	Whittier K-8 faculty & staff	24
4 Earth Force Service-Learning Workshop	10/30/2012	teachers, nonformal educators, community partners	13
		Total Educators:	60

World Water Monitoring Challenge water quality testing events