NOAA B-WET Grantee Survey Revised 2015

INTRODUCTION

This is a voluntary survey.

Please answer the following questions in reference to the most recently-completed grant year of your current NOAA B-WET grant. You will be asked about a range of practices and outcomes that represent the diversity of Meaningful Watershed Educational Experiences (MWEEs) offered by B-WET-funded projects, some of which may not apply directly to your project. It is acceptable to answer "not applicable" (N/A) in those instances.

MWEEs are multi-stage activities that include learning both outdoors and in the classroom, and aim to increase the understanding and stewardship of watersheds and related ocean, coastal, riverine, estuarine, and Great Lakes ecosystems of all participants. MWEEs for students consist of multiple components: issue definition and background research, outdoor field activities, stewardship action projects, synthesis, and conclusions. In addition, student MWEEs should include teacher participation for the duration of the MWEE, be integrated with classroom curriculum, use the local context for learning, consist of a set of activities over time, and incorporate NOAA assets. MWEEs for teachers provide K-12 teachers opportunities for professional development to build their confidence and capacity to implement MWEE activities with their students, and should increase teachers' knowledge and awareness of environmental issues, model environmental education pedagogy, allow for adequate instructional time, provide ongoing teacher support and appropriate incentives, and meet jurisdictional guidelines for effective teacher professional development. For more information about the NOAA Meaningful Watershed Educational Experience, click here: MWEE Definition. [link to the new MWEE definition: http://www.oesd.noaa.gov/grants/docs/MWEE Definition-final2015-7-29v3.pdf]

For the purposes of this survey, please respond in reference to <u>NOAA B-WET-funded</u> MWEEs and professional development. Also, we realize that not all MWEEs are designed in the same way and that your organization does not necessarily only offer one type. Because we are attempting to generalize, we often ask you to consider a "typical" MWEE offered by your organization. Please consider your most frequently offered B-WET-funded MWEE as "typical."

All responses will be kept anonymous, that is they will not be associated with you and your organization. THANK YOU in advance for your candor and thoughtfulness in answering the questions that follow.

It will take between 30-60 minutes to complete this survey, depending on the nature of your project.

Notes:

- The term "organization" is used generically to mean the B-WET funds "awardee."

 The awardee may be one nonprofit organization or an academic institution completing the work, or the awardee may be an institution that is serving as the leader of a partnership of organizations that are completing the work. If you are the latter type of awardee, please respond on behalf of your collective group of partners.
- We apologize for redundancy in information you have previously provided to NOAA B-WET as part of your award. At this time, we are not able to link this national evaluation system database with NOAA B-WET's other databases.
- You can close the survey and return at a later time to the same place as long as you
 use the same computer and that computer will save and retain the Qualtrics survey
 cookie (some work and public computers do not save and/or retain cookies).

If you have technical issues or questions about this survey, please contact either your regional B-WET manager or Bronwen Rice, B-WET National Coordinator (Bronwen.Rice@noaa.gov).

Thank you.

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Paperwork Reduction Act Statement

Public reporting burden for this collection of information is estimated to average 30-60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Bronwen Rice, NOAA Office of Education, Herbert C. Hoover Building, Room 6863, 14th and Constitution Avenue, NW Washington, DC 20230.

Responses are voluntary and collected and maintained as anonymous data. Information will be treated in accordance with the Freedom of Information Act (5 USC 552).

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

GQ3 Did you or your organization operate a NOAA grant year? O No (0) (Skip to end of Survey) O Yes (1)	A B-WET funded	d prog	ram <u>p</u>	roject	this past
AWARD Please enter your NOAA B-WET award n has 14 letters and numbers, such as NA12NMF463 to 1) identify your B-WET region, not your organizat provide with that of data that may be provided by your provided by	8049. The awar ion, and 2) allov	d nun v us to	nber w o link	/ill be	used ONLY
GQ4 When did your B-WET grant end, or when do y		end?			
GQ6 To what extent were you (personally) involved	in:				I
	Not at all To no extent1 (1)	(2)	(3)	(4)	To a great extent 5 (5)
Developing your organization's most recent funded B-WET grant proposal (on your own or through collaborating with an external grant writer) (1)	O	•	0	0	O
Implementing your organization's most recent B- WET-funded grant (2)	0	O	•	O	•
Evaluating your organization's most recent B- WET-funded grant (on your own or through collaborating with an external evaluation consultant) (3)	O	•	0	0	•
GPDQ1 In which region were your organization's None) California (1) Chesapeake Bay (2) Great Lakes (3) Gulf of Mexico (4) Hawaii (5) New England (6) Pacific Northwest (7) Other (please describe) (88)	//WEEs offered	this p	ast gr	ant ye	ear? (check

GQ9 What is the total amount of funding you received this past grant year from NOAA for your B-WET project? S1-20,000 (1) \$20,001-\$50,000 (2) \$50,001-\$100,000 (3) \$100,001-\$200,000 (4) \$200,001-\$300,000 (5) \$300,001 or greater (6) N/A (7)
GQ10 What is the total amount of funding for this project, from all sources, this past grant year? \$\text{\$\text{\$1-20,000 (1)}\$}\$ \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
GQ11 Including this past grant year, for how many years has your organization received funding from NOAA B-WET for the currently-funded project? O Less than a year (1) O 1 year (2) O 2 years (3) O 3 years (4) O 4 or more years (5)
GQ12 For how many years total has this B-WET project been in existence, including years not funded by NOAA B-WET? O Less than a year (1) O 1 year (2) O 2 years (3) O 3 years (4) O 4 or more years (5)

	GQ13 For what type of organization do you work? (choose one)
	O Academic institution (community college, college, university) (1)
	O Business/Corporation (2)
	O Local government (3)
	O State education agency (4)
	O State natural resource agency (5)
	O Non-profit organization (including informal education institutions) (6)
	O School/school district (7)
	O Other (please describe) (88)
ĺ	GQ14 Overall, what What grade would you give the grant management support you received
	from your region's NOAA B-WET staff over the past grant year? (slide the scale between F and
	A+)
	O 1 (1)
	O 2 (2)
	O 3 (3)
	O 4 (4)
	O 5 (5)
	O 6 (6)
	O 7 (7)
	O 8 (8)
	O 9 (9)
	O 10 (10)
	O 11 (11)
	O 12 (12)
	O 13 (13)
	GQ14_Txt Briefly describe why you selected this grade.
	How could regional B-WET programs better support your B-WET grant management? (essay
	box)

What grade would you give the MWEE implementation support you received from your region's NOAA B-WET staff over the past grant year?
O A O B
O C O D O F
Briefly describe why you selected this grade:
How could regional B-WET programs better support your implementation of MWEEs? (essay

box)

GQ16—If offered, how likely is it that you will make use of each of the following to help you implement your B-WET-funded programs?

Implement year B WET randed progre	Extremely unlikely 1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	Extremely likely 7 (7)
One-on-one time with B-WET program staff (i.e., regional or national coordinators) (1)	↔_	9 _	9 _	9 –	9 –	9 –	↔_
Facilitated networking with other B- WET grantees in my region (2)	9 –	9 –	- -	9 –	9 –	9 _	↔_
Facilitated networking with other B- WET grantees from other regions (3)	9 –	—		9 –	9 –	9 –	↔_
Email listserv, web forum, Facebook page, or other tools for virtual interaction with other grantees (4)	9 –	9-	9-	9 –	9 –	9 –	↔_
Access to local NOAA subject- matter experts (5)	→ –	-e	-c	9 –	-c	9 –	→ _
Information about and access to current NOAA data sets (6)	9 –	9 –	9 –	9 –	9 –	9 –	↔_
NOAA materials and lesson plans relevant to watersheds (7)	9 –	9 –			9 –	9 –	
Suggested "best" or "preferred" practices for MWEEs (8)	9 –	9 –			9 –	9 _	9 _
Assistance with evaluating MWEEs (9)	9 –	9 –	9 –		9 –	9 _	9 _
Assistance with grant management (10)	9 _	9 _	9 _		9 _		
Opportunities to learn about watershed science (11)	9 –	9 –	9 –	9 –	9 –	9 _	
Opportunities to learn about local or regional environmental issues (12)	9 _	9 –	9 _	9 –	9 _	9 _	
Opportunities to learn about local or regional policy efforts impacting environmental education (13)	9 –	9 –	9 –	9 –	9 –	9 –	⊕_
Opportunities to learn about national policy efforts impacting environmental education (14)	9 –	9 –	9 –	9 –	9 –	9 -	⊕_
Opportunities to learn about climate literacy principles (15)	↔_	—	—	9 –	-	9 –	↔_
Opportunities to learn about ocean literacy principles (16)	9 –	9 _	9 _	9 _	9 _	9 _	↔_

GQ17 BRANCHING QUESTION Which of the following B-WET-funded <u>projects programs</u> did your organization <u>directly provide?</u> (choose no or yes for each lineselect one response)

		Yes (1)
B-WET-funded MWEEs for students/youth who are between the ages of 4-18 (or grades PreK-12) (1)	•	0
B-WET-funded MWEE professional development or support for teachers (2)	O	O
Both B-WET-funded MWEEs for students and MWEE professional development for teachers (aka "Exemplary" project)	O	O
Other (please describe) (3)	•	O

PD TEACHER PROFESSIONAL DEVELOPMENT

GPDQ4 Which of the following types of B-WET-funded MWEE professional development did you typically provide over the past grant year? (select No or Yes for each type)

	No (0)	Yes (1)
One day workshops (usually less than 8 hours) (1)	0	O
Teacher institute (usually on consecutive days that cumulatively consist of 40 hours or more (2)	o	O
Multi-day workshops (events that last at least 6 hours, but are less than 40 hours, e.g., a three-day workshop on a specific topic or a series of five Saturday sessions) (3)	O	0
A college-level course (4)	O	O
Professional development provider training (training for individuals who provide teacher professional development) (5)	o	O
Individual teacher coaching and support (e.g., curriculum planning, shared teaching, demonstrations and/or other forms of in-school or in-field support) (6)	O	O
On-line professional development support (e.g., courses, webinars, discussion forums) (7)	O	O

GQ20	For about how many teachers, schools, and school districts did your organization
provide	professional development or support (e.g., trained in workshops, coached at schools or
in the fie	eld) this past grant year as a result of your B-WET grant? (Please provide one number,
NOT a	range.)

About	_ teachers served (1)
About	_ K-12 schools served (2)
About	_ school districts served (3)

GQ21 What percent of the participating teachers taught the following grade levels? (total should equal 100%) PreK (1) Elementary (2) Middle (3) High (4) I don't know (99)
 GPDQ2 Did the majority of participating teachers teach science? O Don't know (99) O No (0) O Yes (1)
Please consider your most frequently offered B-WET-funded MWEE PD as "typical."
What was the overall duration of your typical B-WET-funded MWEE professional development (including group and individual training and support)? • Less than a week • One week up to a month • 1 to 4 months • 5 to 8 months • 9 to 12 months • More than a year • More than 2 years
GPDQ23 About how many hours of MWEE professional development and/or support did your organization typically provide for any one teacher this past grant year? → None (0) O 1-102 hours (1) → 3-5 hours (2) → 6-10 hours (3) O 11-20 hours (4) O 21-40 hours (5) O 41-60 hours (6) → 61-80 hours (7) O More than 860 hours (8)

GPDQ24 About how many hours did a typical teacher participate in outdoor activities as part of your organization's MWEE professional development this past grant year?

- **O** None (0)
- O 1-<u>10</u>2 hours (1)
- → 3-5 hours (2)
- O 6-10 hours (3)
- **O** 11-20 hours (4)
- **O** 21-40 hours (5)
- **Q** 41-60 hours (6)
- → 61-80 hours (7)
- O More than 860 hours (8)

<u>Did your organization include an incentive (of any kind) to encourage teachers to complete the post-PD online questionnaire from NOAA B-WET?</u>

No

<u>Yes</u>

If yes, please describe the incentive.

GQ25 To what extent was your organization's MWEE professional development content designed to aligned with:

	NA (55)	Don't know (99)	Not at all To no exten 1 (1)	2 (2)	3 (3)	4 (4)	To a great extent 5 (5)
School district education standards (1)	O	0	•	O	O	O	0
State education standards (2)	O	•	O	0	0	0	O
Next Generation Science Standards National education standards (3)	O	•	•	O	O	O	O
Common Core Standards - Mathematics	<u>o</u>	<u>O</u>	<u>o</u>	<u>O</u>	<u>O</u>	<u>C</u>	<u>O</u>
Common Core Standards - English Language Arts	<u>o</u>	<u>O</u> _	<u>o</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>O</u>
Regional environmental/natural resources management priorities (4)	O	O	•	0	0	O	O

GPDQ7 Were NOAA resources used as part of MWEE professional development for teachers?—

 Θ No (0)

Yes (1)

GPDQ77 Which NOAA resources were incorporated into your organization's typical B-WET-funded MWEE professional development? (check all that apply)

	Not sure (77)	No (0)	Yes (1)
Information from NOAA studies or reports (1)	0	O	O
Data collected by and accessible through NOAA, IF YES: Name the NOAA data source: (2)	O	O	O
NOAA expert (e.g., scientist, educator, Sea Grant staff member, policy expert) (3)	O	O	O
NOAA curricula and education programs, IF YES: Name the curricula or programs: (4)	O	O	O
NOAA labs or facilities, IF YES: Name the lab or facility: (5)	O	O	•
NOAA National Marine Sanctuary (6)	O	O	•
NOAA National Estuarine Research Reserve (7)	O	O	•

- None
- Information from NOAA websites or reports (e.g., NOAA website, NOAA Education Resources webpage, NOAA Climate Portal, Marine Debris Program Education webpage, NOAA FishWatch, NERRS education website)
 - o IF YES, Name the websites or reports:
- Data sets collected by and accessible through NOAA (e.g., NOAA View, NOAA Digital Coast, NOAA Buoys, Real-time Tides and Currents, NERRS SWMP data)
 - IF YES, Name the NOAA data sets:
- NOAA experts (e.g., scientist, educator, Sea Grant staff member, policy expert)
 - o IF YES, Name the NOAA experts:
- NOAA curricula and education programs (e.g., Data in the Classroom, Estuaries 101 curriculum, Ocean Exploration)
 - o IF YES, Name the curricula or programs:
- NOAA labs or facilities (e.g., Northeast Fisheries Science Center Milford Lab, NOAA
 Chesapeake Bay Office Oxford Lab, Southeast Fisheries Science Center in Pascagoula MS,
 NOAA Science On a Sphere sites, Sea Grant floating classroom vessel)
 - o IF YES, Name the labs or facilities:
- NOAA National Marine Sanctuary, http://sanctuaries.noaa.gov/about/welcome.html
 - o IF YES, Name the sanctuary:
- NOAA National Estuarine Research Reserve, http://www.nerrs.noaa.gov
 - o IF YES, Name the reserve:

GPDQ78 What education methods were used during your MWEE professional development? (select No or Yes for each method)

	Not sure (77)	No (0)	Yes (1)
Outdoor field trip <u>or field work</u> (i.e., excursion to learn about natural history and ecology in the outdoors, may or may not include data collection) (1)	•	O	O
STEM education (i.e., an approach to teaching that integrates the content and skills of science, technology, engineering, and math to inspire students and prepare them for 21st century jobs) Field work (i.e., scientific study carried out somewhere other than in a classroom/laboratory, includes data collection) (2)	O	•	0
Place-based education (i.e., an interdisciplinary instructional strategy that uses the local environment and community as the context for teaching and learning) (3)	0	O	•
Scientific-inquiry-based learning (i.e., an instructional strategy that gives students the opportunity to explore an idea or question. To arrive at an answer or to better understand the concept, students often collect and analyze data) (4)	O	O	0
Issue investigation (i.e., an interdisciplinary instructional strategy that engages learners in investigating complex, real-world environmental issues and problem-solving as the context for teaching and learning) (5)	•	0	O
Service learning (i.e., an instructional strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities) (6)	O	O	O

Answer If What education methods were used during your MWEE profes... Scientific-inquiry-based learning Yes Is Selected

GPDQ79 Which of the following science inquiry steps did you include? Engaged teachers in:

	No (0)	Yes (1)
Formulating scientific questions they can answer using data (1)	0	0
Making predictions or hypotheses (2)	•	•
Collecting data or using existing data (3)	•	•
Analyzing and interpreting data (4)	•	•
Making conclusions and adjusting predictions/hypotheses (5)	0	0
DevelopGiving presentations of their findings (6)	•	•

GPDQ80 As part of your B-WET professional development workshops or institutes this past grant year, did your organization typically include the following: (select No or Yes for each statement)

	No (0)	Yes (1)
Presented information and examples illustrating how other teachers have integrated MWEEs into their curriculum (1)	o	o
Discussed how teachers may be able to integrate MWEEs into their own curriculum or classroom activities (2)	O	o
Discussed alignment of MWEEs with state, regional, or national standards (3)	O	O
Provided examples of how MWEEs align with standards (4)	O	O
Engaged teachers in aligning MWEEs with their school or school district standards (5)	O	O
Allowed teachers time to plan how they will implement MWEEs (6)	O	O
Engaged teachers in the same activities/practices they can use with their students (7)	O	O
Included more than one teacher from individual schools (8)	O	O
Presented how NOAA data can be used to support student scientific inquiry (9)	O	O
Discussed how to use NOAA data to obtain knowledge about local issues (10)	O	O
Shared examples of how other teachers have used NOAA data with their students (11)	O	O
Allowed teachers time to plan how they will integrate the use of NOAA data (12)	O	O

GPDQ31 What types of support did your organization typically provide to teachers participating in MWEE professional development this past grant year? (select No or Yes for each statement)

	No (0)	Yes (1)
Assisted teachers with conducting field trips or field work (1)	O	0
Assisted teachers with <u>stewardship projects</u> , <u>e.g.</u> , <u>restoration projects</u> , <u>building</u> <u>establishing schoolyard habitats</u> , <u>etc.</u> (2)	O	O
Assisted teachers with establishing restoration projects (3)	9 –	
Co-teaching in teachers' classrooms or in field (4)	O	0
Provided coaching in participating teachers' classrooms (5)	O	0
Provided demonstrations in teachers' classrooms (6)	O	•
Assisted with the use of equipment or technologies (7)	O	0
Communicated with teachers <u>one-on-one</u> through personal phone calls or email (8)	O	0
Supported an online environment for teachers to communicate with each other Communicated with teachers through newsletters or web-site (e.g., an online community) (9)	O	O

GPDQ81 Which characteristics describe your organization's typical MWEE professional development this past grant year? (select No or Yes for each statement)

		No (0)	Yes (1)
	Helped make connections to local community organizations and resources (1)	0	0
l	Facilitated interactions with NOAA scientists/staff (2)	9 –	-
	Facilitated interactions with natural resource professionals (3)	O	O
	Provided teacher stipends (4)	O	O
	Offered continuing education credits (5)	O	O
	Offered graduate credits (6)	O	O
	Provided equipment (7)	O	O
	Provided instructional/educational/curriculum materials (8)	O	O
	Provided information on how to obtain grants or funding for MWEEs (9)	O	O

GPDQ82 Did teachers participate in any of these activities to protect and/or restore ocean, coastal and/or Great Lakes watersheds DURING their MWEE professional development?

	No (0)	Yes (1)
Created a schoolyard or backyard habitat (1)	9 –	
Installed a rain barrel at school or at home (2)	9 –	
Gave presentation(s) about the local watershed (e.g., for school, other organizations) (3)	9 –	9 –
Participated in or organized event(s) to raise awareness about the importance of watersheds (4)	9 –	
Participated in or helped coordinate a clean-up of a local stream or beach (5)	9 –	→ —
Participated in a restoration activity (e.g., planting trees) (6)		
Limited or avoided the use of household chemicals including fertilizers, herbicides and pesticides (7)	9 –	
Told others about ways they can protect their local watershed (8)	9 –	
Monitored water quality over a period of time (9)	9 –	9 –

Did teachers participate in any of these actions to protect or restore watersheds (ocean, coastal, riverine, estuarine, Great Lakes) as part of their MWEE professional development? (Select all categories that apply)

- The teachers did NOT participate in watershed protection or restoration actions as part of their MWEE PD.
- Watershed Restoration or Protection (e.g., create schoolyard habitat, planting trees or grasses, invasive species removal, cleanup [e.g., beach, stream, school, community), raise & release (e.g., fish, oysters, turtles), stormwater management (e.g., rain garden, paint storm drains]
 - Briefly describe the actions (text box)
- Everyday Choices [e.g., reduce/reuse/recycle/upcycle, transportation (e.g., carpooling, bike riding, mass transit, walking), composting, energy conservation, water conservation]
 - Briefly describe the actions (text box)
- Community Engagement [e.g., outreach, presentations, social media, messaging at community events/fairs/festivals, event-organizing, mentoring, PSAs, flyers, posters]
 - Briefly describe the actions (text box)
- Civic Action [e.g., town meetings, voting, writing elected officials/decision makers, advocating for policy change]
 - Briefly describe the actions (text box)
- Other
 - Briefly describe the actions (text box)

GPDQ83 It was a goal of my organization's B-WET-funded professional development that teachers would be able to:

	NA (55)	Don't know (99)	No (0)	Yes (1)
Define the term "watershed" (1)	O	O	O	O
Identify their local watershed(s) (ocean, coastal, riverine, estuarine, Great Lakes) (2)	O	O	O	O
Identify how watersheds are connected to the ocean via streams, rivers, and human-made structures (3)	O	O	O	O
Identify the functions that occur in a watershed (transport, store, and cycle water) (4)	O	O	O	O
Recognize that both natural processes and human activities affect water flow and water quality in watersheds. (5)	O	O	O	O
Identify connections between human welfare and water flow and quality (6)	O	O	0	O
Identify possible point and non-point sources of water pollution (7)	O	O	O	0
Identify actions individuals can <u>engage intake</u> to protect <u>or</u> / restore water quality in watersheds (8)	O	O	0	O

GPDQ84 It was a goal of my organization's B-WET-funded MWEE professional development that teachers would:

	NA (55)	Don't know (99)	No (0)	Yes (1)
Teach more about watersheds <u>(ocean, coastal, riverine, estuarine, Great Lakes)</u> (1)	O	•	o	O
Be more likely to implement MWEEs (2)	O	O	O	O
Be more likely to implement MWEEs after they are no longer supported by our organization (3)	O	O	o	O
Be more likely to use NOAA resources to enhance their students' MWEE experiences (4)	O	O	O	O
Be more likely to guide students through taking action to protect or restore watersheds (5)	O	O	O	O
Be more likely to use science inquiry instruction (6)	O	O	O	O
Be more likely to use the outdoors for instruction (7)	O	O	O	O
Be more likely to use local community resources as part of instruction (8)	O	0	O	O
Be more likely to use interdisciplinary approaches to instruction (9)	O	O	o	O
Be more enthusiastic about teaching science (10)	O	O	O	O
Be more likely to act to protect and/ or restore ocean, coastal, or Great Lakes watersheds (11)	O	O	O	0

STUDENT MWEEs

MWEE Please answer the following questions with regard to the instruction your organization provides directly to students (not the instruction provided by teachers).

GQ37 About how many students, schools, and school districts were served directly by your organization this past grant year as a result of your B-WET grant? (Please provide one number, NOT a range.)

About	students served (1)
About	K-12 schools served (2)
About	school districts served (3)

GQ38 What percent of the students/youth directly served by your organization were in each of the following grade levels? (total must equal 100%)
PreK (1)
Elementary (2)
Middle (3)
High (4)
Other (88)
I don't know (99)
GQ39 What percent of the participating students' schools are Title 1?
O Don't know (99)
O Less than 20% (1)
O 21-40% (2)
O 41-60% (3)
O 61-80% (4)
O 81-100% (5)
GQ40 What percent of the participating students speak English as a second language (aka
English Language Learners)?
→ Don't know (99)
→ Less than 20% (1)
○ 21-40% (2)
9 41-60% (3)
0 61-80% (4)
→ 81-100% (5)

GQ41 To what extent were your organization's MWEEs <u>designed to aligned</u> with:

	NA (55)	Don't know (99)	Not at all To no extent 1 (1)	2 (2)	3 (3)	4 (4)	To a great extent 5 (5)
School district education standards (1)	O	•	•	O	O	O	O
State education standards (2)	O	•	•	O	0	0	O
Next Generation Science Standards National education standards (3)	O	O	•	O	O	O	•
Common Core Standards - Mathematics	<u>O</u>	<u>O</u>	<u>O</u>	<u>C</u>	<u>O</u>	<u>O</u>	<u>O</u>
Common Core Standards - English Language Arts	<u>O</u>	<u>O</u>	<u>o</u>	<u>C</u>	<u>O</u>	<u>O</u>	<u>O</u>
Regional environmental/natural resources management priorities (4)	O	•	•	O	0	0	O

GQ42 Which of the following did your B-WET-funded programs provide for students during this past grant year? (select No or Yes for each program type)

	No (0)	Yes (1)
Off-site field programs during the school day (1)	0	O
Schoolyard-based programs during the school day (2)	0	O
Classroom-based programs during the school day, including distance learning experiences (3)	O	•
After-school or weekend programs (e.g., science clubs) (4)	0	O
Summer programs (5)	0	O
Events for youth with their families (6)	0	O

Please consider your most frequently offered B-WET-funded MWEE as "typical."

	GQ45 On average, a typical student participated in your organization's B-WET-funded MWEEs
	over the course of:
	O Less than a week
	One day (1)
	2-6 days (2)
	O One <u>A</u> week (3)
	O 2-3-Multiple weeks (4)
	One month (5)
	O 2-3-Multiple months (6)
	
	O A full school year (about 9 months) (8)
	— A full calendar year (9)
	O Multiple years (10)
	GQ43 On average during the past grant year, a typical student spent hours being taught by your organization's staff during a B-WET-funded MWEE. O None (0) O 1-52 hours (1) O 3-5 hours (2) O 6-9 hours (3) O 10-2416 hours (4) O 17-24 hours (5) O 25-40 hours (6) O More than 40 hours (7)
	GQ44 On average during the past grant year, a typical student spent hours outdoors being taught by your organization's staff during a B-WET-funded MWEE. O None (0)
1	O 1-52 hours (1)
	→ 3-5 hours (2)
l	O 6-9 hours (3)
ĺ	O 10-2416 hours (4)
	→ 17-24 hours (5)
	O 25-40 hours (6)
	O More than 40 hours (7)
	[If chose a response other than "none" for hours outside] Where did the outdoor component of your students' MWEEs occur? (select all that apply) On school grounds Off school grounds, within walking distance Off school grounds, requiring transportation

[If chose a response other than "none" for hours outside]

About how many separate outdoor learning experiences did students have during their MWEE? (check one for each row)

1					
	I don't know	None	<u>One</u>	Two	Three or more
Led by your organization					
Led by a teacher					
Led by another provider					

GQ46 Were your organization's typical B-WET-funded MWEEs focused only on science concepts, or on concepts from multiple disciplines (e.g., science, math, social studies, literature, art, music)?

- Only science concepts (1)
- O Concepts from multiple disciplines, including science (2)
- Other (88)

In what subject(s) were your organization's typical MWEEs implemented? (select all that apply):

- Science
- Technology
- Engineering
- Math
- Social studies
- English language arts
- Fine arts
- Music
- Other (please describe)

GQ47 Were NOAA resources used as part of MWEES for students?

- Θ No (0)
- → Yes (1)

GQ48 Which NOAA resources were used as part of MWEEs for students? (check all that apply)

	Not sure (77)	No (0)	Yes (1)
Information from NOAA studies or reports (1)	0	O	O
Data collected by and accessible through NOAA, IF YES: Name the NOAA data source: (2)	O	O	O
NOAA expert (e.g., scientist, educator, Sea Grant staff member, policy expert) (3)	O	O	O
NOAA curricula and education programs, IF YES: Name the curricula or programs: (4)	O	O	O
NOAA labs or facilities, IF YES: Name the lab or facility: (5)	O	O	•
NOAA National Marine Sanctuary (6)	O	O	•
NOAA National Estuarine Research Reserve (7)	•	O	O

- None
- Information from NOAA websites or reports (e.g., NOAA website, NOAA Education Resources webpage, NOAA Climate Portal, Marine Debris Program Education webpage, NOAA FishWatch, NERRS education website)
 - o IF YES, Name the websites or reports:
- Data sets collected by and accessible through NOAA (e.g., NOAA View, NOAA Digital Coast, NOAA Buoys, Real-time Tides and Currents, NERRS SWMP data)
 - IF YES, Name the NOAA data sets:
- NOAA experts (e.g., scientist, educator, Sea Grant staff member, policy expert)
 - o IF YES, Name the NOAA experts:
- NOAA curricula and education programs (e.g., Data in the Classroom, Estuaries 101 curriculum, Ocean Exploration)
 - o IF YES, Name the curricula or programs:
- NOAA labs or facilities (e.g., Northeast Fisheries Science Center Milford Lab, NOAA
 Chesapeake Bay Office Oxford Lab, Southeast Fisheries Science Center in Pascagoula MS,
 NOAA Science On a Sphere sites, Sea Grant floating classroom vessel)
 - IF YES, Name the labs or facilities:
- NOAA National Marine Sanctuary, http://sanctuaries.noaa.gov/about/welcome.html
 - IF YES, Name the sanctuary:
- NOAA National Estuarine Research Reserve, http://www.nerrs.noaa.gov
 - o IF YES, Name the reserve:

GQ49 What education methods were used by your organization's staff with students during your organization's typical B-WET-funded MWEEs? (select a response for each method)

	Not sure (77)	No (0)	Yes (1)
Outdoor field trip <u>or field work</u> (i.e., excursion to learn about natural history and ecology in the outdoors, may or may not include data collection) (1)	•	0	O
STEM education (i.e., an approach to teaching that integrates the content and skills of science, technology, engineering, and math to inspire students and prepare them for 21st century jobs) Field work (i.e., scientific study carried out somewhere other than in a classroom/laboratory, includes data collection) (2)	O	O	0
Place-based education (i.e., an interdisciplinary instructional strategy that uses the local environment and community as the context for teaching and learning) (3)	•	O	0
Scientific-inquiry-based learning (i.e., an instructional strategy that gives students the opportunity to explore an idea or question. To arrive at an answer or to better understand the concept, students often collect and analyze data) (4)	•	O	O
Issue investigation (i.e., an interdisciplinary instructional strategy that engages learners in investigating complex, real-world environmental issues and problem-solving as the context for teaching and learning) (5)	•	O	O
Service learning (i.e., an instructional strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities) (6)	•	O	O

Answer If What education methods were used by your organization's s... Scientific-inquiry-based learning Yes Is Selected

GQ50 Which of the following science inquiry steps did you include? Engaged students in:

	No (0)	Yes (1)
Formulating scientific questions they can answer using data (1)	0	O
Making predictions or hypotheses (2)	O	O
Collecting data or using existing data (3)	O	O
Analyzing and interpreting data (4)	O	O
Making conclusions and adjusting predictions/hypotheses (5)	O	O
Develop Giving presentations of their findings (6)	O	O

GQ51 Did students participate in any of these activities to protect and/or restore ocean, coastal and/or Great Lakes watersheds during your organization's B-WET-funded MWEEs? (please indicate no or yes for each activity)

	No (0)	Yes (1)
Created a schoolyard or backyard habitat (1)	9 –	9 –
Conserved water at school to protect the local watershed (2)		-
Installed a rain barrel at school (3)		9 –
Reduced litter at school (4)		9 –
Gave presentation(s) about the local watershed (e.g., for school, other organizations) (5)		9 –
Participated in an event to raise awareness about the importance of watersheds (6)	9 –	9 –
Helped clean up or take care of a local stream or beach (7)		9 –
Participated in a restoration activity (e.g., planting trees) (8)		→ _
Told others about ways they can protect their local watershed (9)		-
Monitored water quality over a period of time (10)		9 –

<u>Did students participate in any of these actions to protect or restore watersheds during your organization's B-WET-funded MWEEs? (select all categories that apply)</u>

- The students did NOT participate in any watershed protection or restoration actions as part of their MWEE.
- Watershed Restoration or Protection (e.g., create schoolyard habitat, planting trees or grasses, invasive species removal, cleanup [e.g., beach, stream, school, community), raise & release (e.g., fish, oysters, turtles), stormwater management (e.g., rain garden, paint storm drains]
 - Briefly describe the actions (text box)
- Everyday Choices [e.g., reduce/reuse/recycle/upcycle, transportation (e.g., carpooling, bike riding, mass transit, walking), composting, energy conservation, water conservation]
 - Briefly describe the actions (text box)
- Community Engagement [e.g., outreach, presentations, social media, messaging at community events/fairs/festivals, event-organizing, mentoring, PSAs, flyers, posters]
 - Briefly describe the actions (text box)
- Civic Action [e.g., town meetings, voting, writing elected officials/decision makers, advocating for policy change]
 - Briefly describe the actions (text box)
- Other
 - Briefly describe the actions (text box)

GQ52 It was a goal of my organization's B-WET-funded MWEEs that students would:

	NA (55)	Don't know (99)	No (0)	Yes (1)
Know more about the ocean (1)	•	0	0	0
Know more about climate change (2)	•	O	O	O
Know more about watersheds	O	O	O	O
Feel more connected to their local watershed (3)	O	O	O	$\mid \mathbf{c} \mid$
Express greater caring and concern for watersheds (ocean, coastal, riverine, estuarine, Great Lakes) (4)	O	O	o	O
Be more confident in their ability to protect and/ or restore watersheds (5)	O	O	O	O
Be more likely to act to protect and/ or restore watersheds (6)	O	O	O	O
Be better able to make informed decisions about how to protect or restore watersheds (7)	O	O	O	O
Be better able to conduct scientific investigations (8)	O	O	O	O
Be better able to understand the nature of scientific research	O	O	o	O
Be more likely to express an interest in pursuing science careers (9)	O	O	o	O
Perform better academically in science (10)	O	O	O	O
Perform better on state standardized tests (11)	•	O	O	o
Be more engaged in their science learning (12)	O	O	O	O

GQ53 It was a goal of my organization's B-WET-funded MWEEs that students would be able to:

	NA (55)	Don't know (99)	No (0)	Yes (1)
Define the term "watershed" (1)	0	0	0	0
Identify their local watershed(s) (ocean, coastal, riverine, estuarine, Great Lakes) (2)	O	0	O	O
Identify how watersheds are connected to the ocean via streams, rivers, and human-made structures (3)	O	O	O	O
Identify the functions that occur in a watershed (transport, store, and cycle water) (4)	O	O	o	O
Recognize that both natural processes and human activities affect water flow and water quality in watersheds. (5)	O	O	o	O
Identify connections between human welfare and water flow and quality (6)	O	O	0	O
Identify possible point and non-point sources of water pollution (7)	O	O	O	O
Identify actions individuals can <u>engage intake</u> to protect <u>or</u> /restore water quality in watersheds (8)	O	O	0	O

Eval **PROGRAM EVALUATION**

GQ55	Which of the following best describ	es the situation with regard to evaluation(s) of you
organiz	ization's B-WET-funded programspro	ojects?

\mathbf{O}	Don't	know ((99)
--------------	-------	--------	------

- O No evaluation has been conducted and there are no plans to complete one (1)
- O No evaluation has been conducted, but there are plans to complete one (2)
- An evaluation is being conducted, but it is not yet finished (3)
- One or more evaluations has/have been completed (4)
- O Two evaluations have been completed
- O Three or more evaluations have been completed
- O Other (please describe) (88)

Answer If Which of the following best describes the situation wit... One or more evaluations has/have been completed Is Selected

GQ56 What type of evaluation has been completed?

	Not conducted (1)	Completed but no report is available (2)	Completed and report is available (3)
Needs assessment (determines the need for a project by considering aspects such as available resources, extent of the problem and need to address it, participant interest and knowledge, etc. This is also known as front-end evaluation.) (1)	•	•	•
Process/implementation (examines the implementation of a project, focusing on the effort invested in the project and its direct outputs. For example, an implementation evaluation might measure how the project is being delivered, who participated, and whether they were satisfied with it). Note that this type of evaluation is NOT the same as a program report! (2)	•	•	•
Outcome (shows the programs' direct effects on target outcomes and provides direction for program improvement. For example, outcome evaluation may show that a program was (or was not) successful in changing participants' knowledge, attitudes, skills, intentions, or behaviors) (3)	•	•	•
Impact (seeks to assess the broader, longer-term changes that occurred as a result of a project such as in improved environmental quality) (4)	•	0	0

How have you or your organization used your project evaluation results?

Answer If What type of evaluation has been completed? If Outcome or Impact Is Selected Eval2 Please answer the following questions with regard to the outcome or impact evaluation your organization completed. If your organization completed more than one outcome or impact evaluation, please answer the following questions based on the evaluation with the most rigorous research (e.g., valid/reliable instruments, appropriate sampling, use of control/comparison groups, content analysis of qualitative data, etc.) methods:

An	swer If What type of evaluation has been completed? If Outcome or Impact Is Selected
GC	Q58 Which of the following best describes who led the evaluation?
\mathbf{O}	Don't know (99)
\mathbf{O}	Internal staff member (someone who is an employee of your organization) (1)
\mathbf{O}	External consultant (someone who is not an employee of your organization) If selected,
	please provide consultant/firm name: (2)
\mathbf{O}	Other (please describe) (88)

Answer If What type of evaluation has been completed? If Outcome or Impact Is Selected GQ59 Do the evaluation results include evidence of:

	Don't know (99)	Not measured (44)	No (0)	Yes (1)
Increases in knowledge about watersheds (participants learned new information) (1)	O	•	0	O
Changes in attitudes toward watersheds (participants' changed their beliefs, opinions, feelings, or perspectives) (2)	•	•	O	O
Increases in the skills needed to <u>act in ways</u> engage in behaviors to protect and/or restore ocean, coastal and/or Great Lakes watersheds (ocean, coastal, riverine, estuarine, Great Lakes) (verbal, mental, or physical) (3)	0	0	O	0
Increases in intentions to act <u>to protect or restore</u> on behalf of watersheds (4)	O	•	0	o
Participants engaging in actions that protect or restore watersheds (5)	O	•	0	o
Improved water quality (positive changes in physical watershed that can be attributed to participants' actions) (6)	•	•	O	O
Improved academic performance (7)	O	O	0	0
Other (please describe)	<u>O</u>	<u>O</u>	<u>O</u>	<u>O</u>

Impact **NOAA B-WET IMPACT** Please indicate to what extent you agree or disagree with the next 6 statements.

GQ61 As a result of NOAA B-WET, the public isour audiences are more familiar with NOAA, such as NOAA science, resources, and experts. Not an expected impact I don't know NA (55) Strongly Disagree 1 (1) 2 (2) 3 (3) 4 (4) 5 (5) 6 (6) Strongly Agree 7 (7) GQ61_Txt Please explain why you selected the response you did.
GQ63 The B-WET grant has improved —or will improve—the overall quality of environmental education provided by my organization (e.g., through use of best practices or other increase in institutional capacity). O Not an expected impact O I don't know O N/A (55) O Strongly Disagree 1 (1) O 2 (2) O 3 (3) O 4 (4) O 5 (5) O 6 (6) O Strongly Agree 7 (7)
GQ63_Txt Please explain why you selected the response you did.

GQ65 The B-WET grant has helped integrate environmental education into the formal education system(s) with which we work. NOAA B-WET has - or will have - a positive impact on environmental education in my area's formal education system. O Not an expected impact → N/A (55) O I don't know O Strongly Disagree 1 (1) O 2(2) **O** 3 (3) **O** 4 (4) **O** 5 (5) **O** 6 (6) O Strongly Agree 7 (7) GQ65 Txt Please explain why you selected the response you did. GQ67 NOAA B-WET has had - or will have - a positive impact on education policy in my area. → N/A (55) → Strongly Disagree 1 (1) $\frac{2}{2}$ 3 (3)9-4(4)9-5(5)9-6-(6)→ Strongly Agree 7 (7) GQ67 Txt Please explain why you selected the response you did. GQ69 NOAA B-WET has had - or will have - a positive impact on environmental policy in my area. → N/A (55) O Strongly Disagree 1 (1) $\frac{2}{2}$ -3 (3)-4(4)9-5(5)9-6-(6)→ Strongly Agree 7 (7) GQ69 Txt Please explain why you selected the response you did.

GQ71 The health of our local watershed(s) has improved - or will improve - as a result of my
organization's B-WET-funded MWEEs.
→ N/A (55)
→ Strongly Disagree 1 (1)
○ 2 (2)
Θ 3 (3)
○ 4 (4)
○ 5 (5)
3 6 (6)
→ Strongly Agree 7 (7)

Feedback **FEEDBACK**

GQ74 This questionnaire was (choose one for each)

GQ71_Txt Please explain why you selected the response you did.

	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)
Difficult to complete:Easy to complete (1)	O	O	O	O	O	O	O
Not informative:Informative (2)	O	O	O	O	O	O	O
Long:Short (3)	O	O	O	O	O	O	$\mid \mathbf{c} \mid$

Imprv Txt How can this questionnaire be improved?

Cmmts_Txt What final comments would you like to share Anything else you would like to add?

Thank you Thank you for completing this survey. Please click on the Submit button below.