

Feedback Form for Teachers who are using the SAHRA Water Kit
WATER QUALITY MONITORING

January, 2007

SAHRA's staff desires to improve the quality and usefulness of the Water Teacher Resource kits that we make available to you. In order to do this most effectively, we need to gather some information about where, when and how the kits and the individual modules are being used, and about your students' response to them.

This form is meant to make the processes of record-keeping and data submission easier for you. The tracking of the Water kits' usage will by necessity be a long-term project that will modify kit design and teacher training as feedback begins and progresses. We greatly appreciate your assistance with this effort to improve these education resources.

You are welcome to use this paper format if using the online feedback system is not convenient. Simply print out this form, and when you complete your teaching period with one or more of the water kits, please fill out and place the form in the kit. If you wish, you can also return the form directly to us by either:

mailing to: SAHRA, University of AZ
P.O. Box 210158-B
Tucson, AZ 85721-0158
ATTN: Wylie Cox

or by **fax to:** 520-626-4479
SAHRA Education
ATTN: Wylie Cox

If you have a long timeframe of teaching in which you are using more than one of the Water kits, say three or four weeks, and you are keeping the kits for the duration of the timeframe, you can wait until all your water teaching is finished and send the forms back at that time.

If there is a kind of information about the teaching and learning that occurs with these water kits that doesn't seem to be considered or accommodated by this form, please add a note to tell us about it. We'd be greatly interested in any aspect of using these kits that we have not yet identified. Any comments about the modules or kits in general are very welcome.

The usage form page has a table for general info on the **Kit**, and a table for specific **Module** info plus the Engagement rubric. Following that is a page with shorthand codes for the fields, an explanation of the form fields, and contact information for SAHRA.

Water Quality Monitoring kit usage

Borrower	Institution	Kit Level	Date of Checkout	Date of Return	Usage Type	Class or Course	Grade Level	#of Students	Field Site (if used)

Water Quality Monitoring modules usage

Class or Course	BT	Engmt	MO	Engmt	GG	Engmt	HM	Engmt	ST	Engmt	TT	Engmt	TINP	Engmt	WQW	Engmt	CIDW	Engmt

Water Quality Monitoring instrument protocols usage

Class or Course	WT	EC	pH	Alk	Trn	DO	NO3

Engagement Rating	Meaning
5	Three-fourths to ALL of class engaged
4	Half to three-fourths of class engaged
3	About half of class engaged
2	One-fourth to half of class engaged
1	Less than one-fourth of class engaged

Codes for Fields:

Usage Type codes	Meaning
MS	middle school (6/7 - 8/9 grades)
HS	high school (9/10 - 12 grades)
TT	teacher training
AC	adult civic group
YC	youth civic group or camp
CC	community college group
Kit Level codes	Meaning
BSC	basic
ADV	advanced

Water Quality Monitoring Modules	Meaning
BT	Blue Traveler
MO	Mapping it Out
GG	Grab a Gram
HM	Hitting the Mark
ST	Snapshot in Time
TT	Turbidity or Not Turbidity
TINP	There is No Point to this Pollution
WQW	Water Quality Windows
CIDW	Compare Intl DrnkWtrGuidelines

Water Quality Monitoring Instrument Protocols	Meaning
WT	Water temperature
EC	Electrical conductivity
pH	pH
Alk	Alkalinity
Tr	Transparency
DO	Dissolved oxygen
NO3	Nitrate

How to Use the Kit Form – Explanation of Fields:

- **Borrower** This is your name.
- **Institution** This is your school or organization.
- **Kit Level** BSC or ADV (basic or advanced).
- **Date of Checkout** month-day-year.
- **Date of Return** month-day-year.
- **Usage Type** These are educational settings, and there are six possibilities, all listed in the Codes table to the left.

If you used the kit with more than one class or course, it's important to give information about each usage of the kit. For example, if you are teaching 9th grade science, you may have used the kit with 3 or 4 different periods or classes. Information on what usage occurred with *each* of these will be very useful in improving the modules. Just keep each class or course separate by giving each a name, as in "Science, period 1", "Science, period 2", etc.

There are enough rows in each section of the form to accommodate 4 different usages of the kit and its modules. If you used the kit with more than 4 different classes or courses, please run off a copy of the blank form so that you will have enough space to provide information on all.

The fields above, from *Borrower* through *Usage Type*, should only need to be filled once on the form. The next field, *Class or Course*, appears again as the first field on the **Module** section of the form, and that is what connects the data between the two. *Class or Course* through *Field Site* should be filled out for each separate group with which the kit was used.

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Explanation of Fields cont. –

- **Class or Course** This is the name of one class or course for which you used the kit.
- **Grade Level** The grade level for one usage of the kit.
- **# of Students** The number of students in the particular class or course.
- **Field Site (if used)** If you used a field site for implementation of the kit, write its name. If not, leave blank.

How to Use the Module Form –

Explanation of Fields:

- **Class or Course** This is the name of one class or course in which you used these **Modules**. It corresponds to one of the class/course names you entered on the **Kit** form.
- **Module Codes** If you used a module, place a check-mark in the box under the abbreviation for that particular module. If certain modules were *not* used, leave those boxes empty. The abbreviations are listed on the Codes sheet.
- **Engmt (Engagement)** This is a rating given by you, the teacher, based on your judgment of the proportion of students in the class that were engaged with the module. By 'engaged' we mean that a student's energy and focus were captured by the activity and content of the module. The rubric for this rating is on the sheet with the forms.
- **Instrumental Protocols** If you used one or more of the quantitative instruments, please place a check-mark in the box under the abbreviation for that specific protocol. If any available instruments were *not* used, leave those boxes empty. The abbreviations are listed on the Codes sheet.

Thank you very much for the time and attention you have given to this form. It's a good idea to keep this data form handy so that you can fill it out when your experience with the modules and students is fresh in your mind. The better the data, the better the kits will become. We very much appreciate your assistance with the analytical effort to improve these science education resources. If at any time you would like an informal synopsis of the ongoing analysis results, please don't hesitate to contact SAHRA.

SAHRA Education

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