



APPLICATION TO CHANGE A WATER RIGHT
ADDITIONAL RETURN FLOW SOURCE SHEET (606P)
§ 85-2-402, MCA

Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y") or no ("N"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is marked when the required item is attached to the 606P-Preapplication Meeting Form: Part A. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Responses in the form of a table may be entered into the table provided on this form or in an attachment. If an attachment is used, the table must have the exact headings found on this form, and the see attachment ("A") checkbox on this form must be marked. Label all units in narrative responses and tables. Label all attachments and submitted items with the question number.

Use one sheet per return flow source.

What additional return flow source is the sheet for (enter return flow source/ identifier)?

Assign a three-character identifier for the return flow source (for example, "YEL" or "TMC");

When referencing question numbers in attachments, submittals, follow-ups, and amended responses, use the following format:

- Question number - three-character identifier. For example, "152.d.i-YEL" or "152.d.i-TMC".

Table with 2 columns: Question text and response area. Row 1: 150. What is the surface water source for which you are answering questions 151 to 154? Row 2: 151. Are stream gage data available? Row 3: a. If yes, answer question 152. Row 4: b. If no, answer question 153.



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| 152. Stream gage data are available | |
| a. Is one stream gage located above, and one stream gage located below the location where return flows accrue? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| i. If no, is only one stream gage located near the location where return flows accrue? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 1. If yes, is the stream gage upstream or downstream? _____ | |
| b. List the gage name(s). Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____ | |
| c. What is the distance between the gage(s) and the location where return flows accrue? Write "N/A" for Gage 2 if one gage available. Gage 1: _____ Gage 2: _____ | |
| d. Is there a limiting or controlling factor on the source between the stream gage(s) and the location where return flows accrue? This includes dams that control the flow and streams with large gaining and/or losing reaches. | <input type="checkbox"/> Y <input type="checkbox"/> N |
| i. If yes, explain. _____ _____ | <input type="checkbox"/> A |
| e. How long is the period of record? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____ | |
| f. Who operates and maintains the gage(s)? Write "N/A" for Gage 2 if one gage is available. Gage 1: _____ Gage 2: _____ | |
| g. Is each available stream gage operated and maintained by USGS or DNRC? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| i. If yes, skip to question 152.h. | |
| ii. If no, answer the following questions for each gage not operated and maintained by USGS or DNRC. | |
| 1. How frequently are stage data recorded? Write "N/A" for Gage 2 if only one gage is not operated or maintained by USGS. | |



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| Gage 1: _____ Gage 2: _____ | |
| 2. If data gaps were to occur, are they identified and left unfilled or estimated using interpolation, ice correction, or indirect discharge measurements methods? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| a. Gage 1. | <input type="checkbox"/> Y <input type="checkbox"/> N |
| b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____ | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 3. Was the rating curve established and maintained throughout the duration of the period of record using measurements taken near the reference gage and stage recorder according to USGS protocols? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| a. Gage 1. | <input type="checkbox"/> Y <input type="checkbox"/> N |
| b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____ | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 4. Were there requirements for maintaining a permanent gage datum and meeting specified accuracy limits? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| a. Gage 1. | <input type="checkbox"/> Y <input type="checkbox"/> N |
| b. Gage 2. Write "N/A" on the line instead of answering yes or no, if only one gage is not operated or maintained by USGS or DNRC. _____ | <input type="checkbox"/> Y <input type="checkbox"/> N |
| h. Do the data for one or more available stream gages meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months when return flows accrue? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| i. If yes, record how many meet the standard, then this section is complete. _____ | |
| ii. If no, answer question 153. | |
| 153. If no gage data are available or if available gage data do not meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months when return flows accrue, is the source otherwise measured? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| a. If no, measurements may be necessary. The Department cannot deem the preapplication meeting form adequately completed until the Department receives gage data and/or measurements that meet the Department's measurement standards or, in combination with an approved request to deviate from the | |



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| Department's standards, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria. Skip to question 154. | |
| b. If yes, | |
| i. Submit measurements to the Department. | <input type="checkbox"/> S |
| ii. Who collected the measurements? _____ | <input type="checkbox"/> A |
| iii. With what method were the data collected? _____ _____ | <input type="checkbox"/> A |
| iv. What is the period of record? _____ | |
| v. What is the frequency of measurement? _____ | |
| vi. Are there gaps in the data? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 1. If yes, what is the nature of the gaps and how are gaps handled to ensure data quality? _____ _____ | <input type="checkbox"/> A |
| vii. Is there a process for maintaining the data and meeting specified accuracy limits? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 1. If yes, explain. _____ _____ | |
| viii. Do available measurement data meet the Department's standard to be sufficient to calculate the median of the mean monthly flow rate and volume during the months when return flows accrue? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 1. If yes, this section is complete. | |
| 2. If no, answer question 154. | |
| 154. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique? | <input type="checkbox"/> Y <input type="checkbox"/> N |



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| a. If yes, | |
| i. Describe how the measurements are representative of high, moderate, and low flows. _____ _____ _____ | <input type="checkbox"/> A |
| ii. Describe the estimation technique. _____ _____ _____ _____ _____ | <input type="checkbox"/> A |
| b. If no, but a Department-accepted estimation technique will be appropriate for the source receiving return flows: | |
| i. Will measurements be collected prior to submission of a completed Form 606P-B that meet the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique? | <input type="checkbox"/> Y <input type="checkbox"/> N |
| 1. If yes, | |
| a. With what method will the data be collected? _____ _____ | <input type="checkbox"/> A |
| b. What will be the interval of measurement? _____ | |
| c. Describe the proposed estimation technique. _____ _____ _____ _____ | A |



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| <p>2. If no, do you plan on requesting to deviate from the Department's standard of including a minimum of high, moderate, and low flows to be sufficient to use for calibration of a Department-accepted estimation technique? Neither the Department's technical analyses nor scientific credibility review of your technical analyses can commence until the Department receives measurements that meet Department measurement standards, or in combination with an approved request for variance from these standards, are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.</p> | <input type="checkbox"/> Y <input type="checkbox"/> N |
| <p>c. If no, because no Department-accepted estimation technique will be appropriate for the source receiving return flows:</p> | |
| <p>i. Describe why no Department-accepted estimation technique is appropriate for the source characteristics.</p> <p>_____</p> <p>_____</p> <p>_____</p> | <input type="checkbox"/> A |
| <p>ii. Do the available measurement data, gage and/or otherwise measured, meet the Department's standard for monthly measurements throughout the months when return flows accrue?</p> | <input type="checkbox"/> Y <input type="checkbox"/> N |
| <p>1. If no, will measurements be collected prior to submission of a completed Form 606P that meet the Department's standard of monthly measurements throughout the months when return flows accrue?</p> | <input type="checkbox"/> Y <input type="checkbox"/> N |
| <p>a. If yes, with what method will the data be collected?</p> <p>_____</p> <p>_____</p> | <input type="checkbox"/> A |
| <p>b. If no, do you plan on requesting a variance to deviate from the Department's standard for monthly measurements throughout the months when return flows accrue? The Department's technical analyses or scientific credibility review of your technical analyses cannot commence until the Department receives measurements that meet Department measurement standards, or in combination with a request for a variance from these standards are sufficient to complete any necessary technical analyses or scientific credibility reviews and to evaluate the applicable criteria.</p> | <input type="checkbox"/> Y <input type="checkbox"/> N |

