**COVER SHEET**

**Hydrology Protocol Use Attainability Analysis**

**For an Ephemeral Stream**

Available at the SWQB Hydrology Protocol website: (<http://www.nmenv.state.nm.us/swqb/Hydrology/index.html>)

**Cover Sheet**

**Hydrology Protocol Use Attainability Analysis**

**for an Ephemeral Stream[[1]](#footnote-1)**

|  |  |  |
| --- | --- | --- |
| **Stream Name:** | **Basin:** | **8-digit HUC:** |
|  |  |  |
| **Reach Description:** | **Upstream lat/long:** | **Downstream lat/long:** |
|  |  |  |
| **Current WQS** | | **Assessment Unit ID:** |
| Unclassified 20.6.4.98 or 99 NMAC  Classified 20.6.4.       NMAC | |  |

|  |  |
| --- | --- |
| **Reach Evaluation** (How homogeneity of reach hydrology was verified) | |
| Methods Used: | (ex. aerial photos, “ground truthing”, GoogleTM Earth, etc.) |
| Reasoning: | Why is the stream homogeneous? |

|  |  |  |
| --- | --- | --- |
| **Hydrology Protocol Results** | | **Notes** |
| Location 1 (lat/long): | eph  int  per |  |
| Location 2 (lat/long): | eph  int  per |  |
| Location 3 (lat/long): | eph  int  per |  |
| Additional location results attached. | | |

| **Hydroclimatic Conditions** | | **If “yes” please describe.** |
| --- | --- | --- |
| Drought (SPI Value < - 1.5) | yes  no |  |
| Recent Rainfall (within 48 hours) | yes  no |  |
| Gauge data available? | yes  no |  |
| If yes for any of above, please explain why these conditions do not impact the UAA conclusion that *natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use*: | | |

| **Hydrologic and Other Modifications** | | **If “yes” please describe.** |
| --- | --- | --- |
| Dam/diversion | yes  no |  |
| Channelization/roads | yes  no |  |
| Groundwater pumping | yes  no |  |
| Agricultural return flows | yes  no |  |
| Existing point source discharge | yes  no |  |
| Planned point source discharge | yes  no |  |
| Other modifications  e.g., land use practices | yes  no | *Please explain hydrologic impact* |
| If yes for any of above, please explain why these modifications do not alter the uses supported by the natural flow regime: | | |

| **Current Uses Observed** | | **If “yes” please describe.** |
| --- | --- | --- |
| Macroinvertebrates | yes  no |  |
| Fish | yes  no |  |
| Recreation (contact use) | yes  no |  |
| If yes for any of the above, please explain why these observed uses are consistent with the UAA conclusion that 101(a)(2) aquatic life and recreational uses are not feasible: | | |

|  |
| --- |
| **Additional Comments:** |
|  |

**ATTACHMENTS:**

Map and Photos (required)

Hydrology Protocol Field Sheets for all locations (required)

Level 2 Analysis (optional)

Additional sites and/or documentation (optional)

**Conclusion:**

This UAA concludes that the stream reach identified above is ephemeral and that Clean Water Act Section 101(a)(2) aquatic life and recreational uses are neither existing nor attainable due to the factor identified in 40 CFR 131.10(g)(2): *natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use, unless these conditions may be compensated for by the discharge of sufficient volume of effluent*. Based on this conclusion, we recommend that the designated uses and criteria identified in 20.6.4.97 NMAC be applied to this stream reach in accordance with the UAA process set forth in Subsection C of 20.6.4.15 NMAC.

|  |
| --- |
| Submitted by:  Signed: Date: |
| Surface Water Quality Bureau concurs with recommendation.  Yes  No  *If no, see attached reasons.*  Signed: Date: |
| EPA Region 6 technical approval granted.  Yes  No  *If no, see attached reasons.*  Signed: Date: |

1. This form is designed for the UAA process for ephemeral waters described in Subsection C of 20.6.4.15 NMAC. [↑](#footnote-ref-1)