

MATNARVILLE  
SAO 3/19  
NDH 3/20/00  
MT  
P. file TN0022870

WATERSHED EVALUATION AND ANTIDegradation POLICY CHECKLIST I

(Field Office Review)

WATERSHED EVALUATION:

FACILITY NAME: MATNARVILLE

PERMIT NO. (if existing): TN0022870 COUNTY (facility site): UNION

APPLICATION REC'D. DATE: 1/11/2000 REVIEWED BY: WLS

WATERSHED GROUP NO.: 3 HUC: 06010207

WATERSHED NAME: LOWER CLINTON

Is the receiving stream(s) named correctly in the permit application: YES  NO

If "NO", give the correct name of the receiving stream(s): NORTH FORTH BULL RUN CREEK Mile no.: 3.1

The receiving stream is a tributary of: \_\_\_\_\_ Mile no.: \_\_\_\_\_

3.6° 13 47.8 = 36,229944

83 49 22.8 = 83.82300 **TIER 1**  
ADAPTED FROM TN RULE 1200-4-3-.06(5)

Generally, new discharges and increases in existing discharges are allowed provided the effluent limitations meet water quality standards and conditions. However, in the event the receiving stream is listed on the 303(d) list for a particular effluent characteristic requested to be discharged, the following conditions apply: (1) if the source of the discharge is not the receiving stream, the effluent limitations must meet water quality standards and conditions; or (2) if the source of the discharge is the receiving stream, the effluent limitations should meet water quality standards and conditions but may be relaxed to a level above the water quality standards, but in no event above the in-stream conditions of the 303(d) parameter listed.

**TIER 2**  
ADAPTED FROM TN RULE 1200-4-3-.06(4)

Generally, new discharges and increases in existing discharges that will cause permanent degradation are not allowed unless and until it is affirmatively demonstrated to the Water Quality Control Board a change is justifiable as a result of necessary economic or social development and will not interfere with or become injurious to any classified uses existing in such waters.

**ONRW**  
ADAPTED FROM TN RULE 1200-4-3-.06(3)

Generally, new discharges and increases in existing discharges are not allowed unless the following conditions are met: (1) such activities can consistently meet or exceed the water quality conditions of the ONRW; or (2) such activities will not result in permanent degradation of the water quality.

MAYNARDVILLE

ANTIDEGRADATION CHECKLIST I:

1. Is this a new discharge or an existing discharge at a greater volume and/or a greater concentration of any particular effluent characteristic? YES  NO

(If the answer is "No", proceed to item 6.)

2. Does the receiving stream have a Tier 1 or Tier 2 (High Quality Water) evaluation, or ONRW (Outstanding National Resource Water) designation? 1  2  ONRW

Answer ONLY if Tier 1

a. Does the receiving stream appear on the Division's 303(d) list? YES  NO

(If the answer to [a] is "No", proceed to item 3.)

b. Does the permittee propose to discharge additional AMOUNTS of a particular effluent characteristic(s) which might exceed existing in-stream levels of that particular effluent characteristic(s) subject to 303(d) restrictions? YES  NO

(If the answer to [b] is "No", proceed to item 3.)

(If the answer to [b] is "Yes", inform the division's central office, then proceed to item 3.)

Answer ONLY if Tier 2 or ONRW

c. Is there a concern the discharge(s) may result in degradation? YES  NO

(If the answer to [a] is "Yes", inform the division's central office, then proceed to item 3.)

(If the answer to [a] is "No", in the space below explain why you believe degradation may not result and proceed to item 3.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Attach additional comments if necessary.)

3. On what date was the Stream Tier Evaluation performed? 3/1/2000  
Attach a completed Stream Tier Evaluation Form.

4. Have planning limits been established and provided to applicant? YES  NO

5. What date were planning limits prepared? N/A

6. Sign, date and forward to Central Office.  
Completed by: Wade C Smith Date: 3/1/2000

ANTIDEGRADATION POLICY

Date 3/1/2000

Stream Evaluation

Name of waters NORTH FORK BULL RUN CR Tributary to: BULL RUN CREEK

County UNION Major Hydrologic Basin LOWER CUMMCH Waterbody ID TN06010207014

Person completing assessment WLS EAC WPC Manager (Initial & date) JMW 3/1/2000

Antidegradation Waters? (from last page of assessment) Yes \_\_\_\_\_ No ✓

Should the waterbody be considered for recommendation as an ONRW? Yes \_\_\_\_\_ No ✓

SCENIC CONSIDERATIONS

- |   | YES/NO     |
|---|------------|
| 1. Is the water a designated State Scenic River or a National Wild and Scenic River?  | <u>NO</u>  |
| 2. Is the water in a municipal park; state park, state forest, State Natural Area; or national park, national recreation area, national forest, or national monument?       | <u>NO</u>  |
| 3. Has the Department's River Assessment project identified the water as having outstanding scenic values? (Scored a 1 or 2 on river assessment scale.) <u>BULL RUN = 2</u> | <u>YES</u> |
| 4. Is the body of water part of a "viewscape" from a state or national park?  | <u>NO</u>  |

Scoring:

- Two or more yes answers High scenic values
- One yes answers Medium scenic values
- Zero yes answers Lower scenic values

OVERALL SCENIC SCORE MEDIUM

ECOLOGICAL CONSIDERATIONS

- |   | YES/NO    |
|---|-----------|
| 1. Is the water in a State Natural Area or a federal wilderness area?   | <u>NO</u> |
| 2. Is the water in a National or State Wildlife Refuge?   | <u>NO</u> |
| 3. Is the water a wetland or have associated wetlands?  | <u>NO</u> |
| 4. If a stream, is the calculated habitat assessment score 158 or more, or over 83% comparable to ecoregion reference stream conditions? (Barbour, 1995) (Score: <u>152</u> )   | <u>NO</u> |
| 5. Does the stream and/or riparian zone provide habitat for aquatic or semi-aquatic plants or animals with special state or federal status that have been documented in the last twenty years that are likely to be negatively impacted by degradation or alteration of the stream? Are any species federally endangered? (What? _____) | <u>NO</u> |
| 6. Is the water designated by the U.S. Fish and Wildlife Service as Critical Habitat?   | <u>NO</u> |

Scoring:

- Three or more yes answers High ecological values
- Yes answer to Question 1 or 6 High ecological values
- One or two yes answers Medium ecological values
- Zero yes answers Low ecological values

OVERALL ECOLOGICAL SCORE LOW

SPECIALIZED RECREATION CONSIDERATIONS

MAYNARDVILLE

YES/NO

- 1. Is the water a trout stream or similar highly specialized fishery (e.g. trophy smallmouth bass)? NO
2. Is the water a naturally reproducing trout stream? NO
3. Is there a commercial rafting or canoeing outfitter located on the water? (Note: does not include commercial operators where boats are used on-site such as small state or municipal lakes.) NO
4. Is the water used for kayaking or white water canoeing? NO
5. Is the water in a state or national park, or a national recreation area? NO
6. Is the water a lake clear enough for SCUBA diving? NO
7. Is the water designated by TWRA as a Wildlife Observation area? NO

Scoring:

- Three or more yes answers High recreational values
One yes answer Medium recreational values
Zero yes answers Lower recreational values

OVERALL RECREATION SCORE LOW

WATER QUALITY CONSIDERATIONS (To be completed unless in the judgement of the Field Office Manager, the results of the completion of the Recreational, Ecological, and Scenic screening, and in-house knowledge of water quality, indicates little chance that the water is anything but Tier I)

YES/NO

- 1. Are General Water Criteria violated in less than 10% of the observations?
2. Is the total number of distinct macrobenthic genera greater than 20? (How many? 23) Yes
3. Does the stream's North Carolina Biotic Index score for the macrobenthic community equal 4.5 or less, or is it over 90% comparable to reference stream conditions? (Score 5.35) No
4. Is the number of individuals in the dominant macroinvertebrate taxa 19.7% - Dubitaylia less than 30% of the total number of macroinvertebrate organisms? Yes
5. Is there generally a lack of nonpoint sources in the watershed? No
6. Is the water a lake with a measured Secchi depth greater than 4 meters? No
7. Has the Division identified this stream as an ecoregion or subcoregion reference stream? No

Scoring:

- Three or more yes answers High water quality values
One or two yes answers Medium water quality values
Zero yes answers Lower water quality values

SCORE FOR WATER QUALITY VALUE HIGH

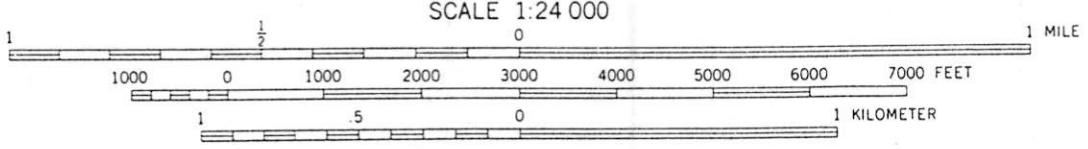
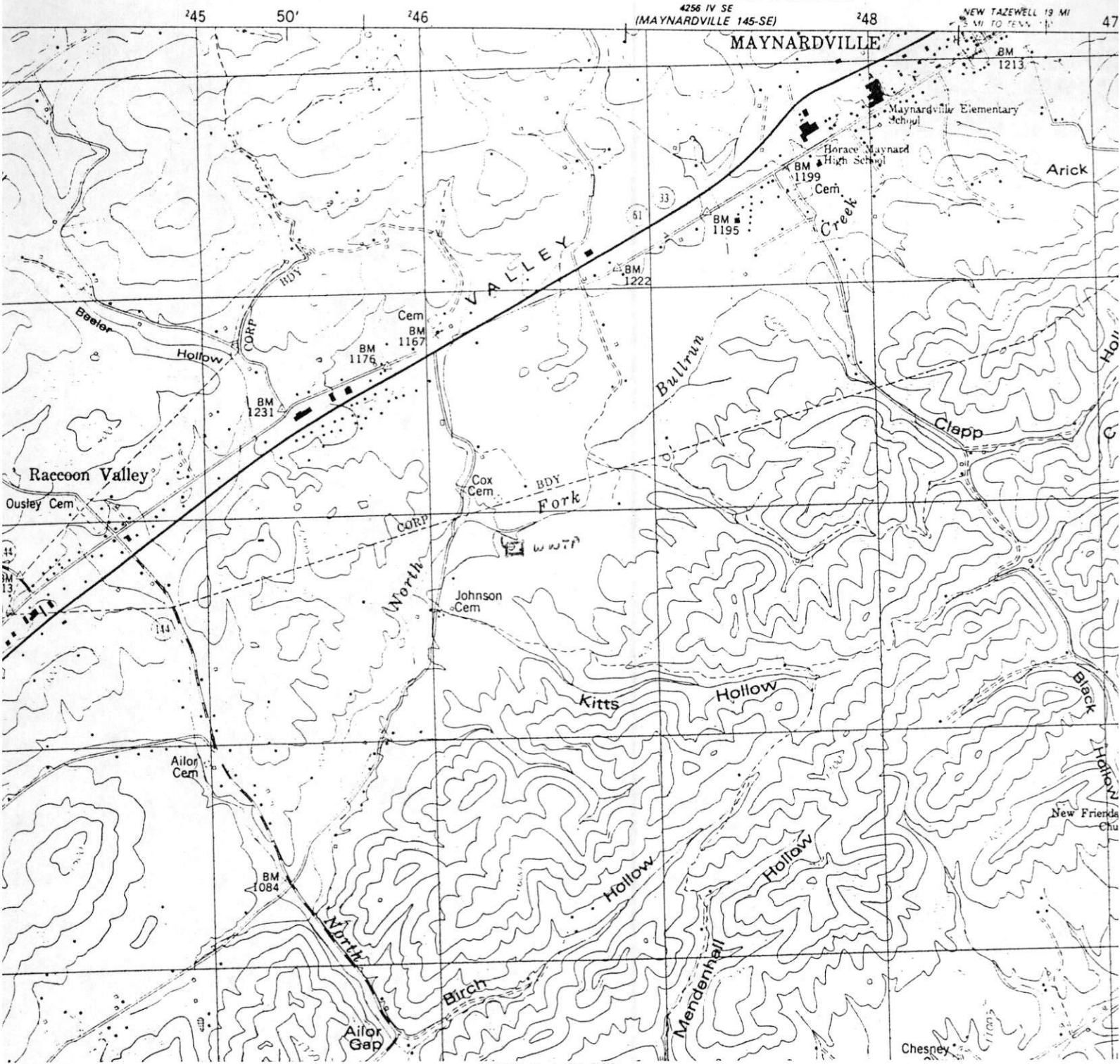
OVERALL WATERBODY ANTIDEGRADATION SCORE:

Table with columns: WATER QUALITY VALUES, SCENIC VALUES, ECOLOGICAL VALUES, RECREATION VALUES, COMMENTS. Includes handwritten marks: X under HIGH, X under MEDIUM, X under LOW, and TIER I in comments.

Scale for Tier Decision (Use as guidance only)

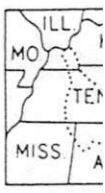
- Low values, up to two mediums TIER I (circled)
Over two mediums, up to one high BFI (circled)
Two high values TIER II
Three or four high values TIER II (possible consideration as Tier III)

UNITED STATES  
 TENNESSEE VALLEY AUTHORITY  
 MAPPING SERVICES BRANCH



CONTOUR INTERVAL 20 FEET  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
 FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
 TENNESSEE DEPARTMENT OF CONSERVATION, DIVISION OF GEOLOGY, NASHVILLE, TENN. 37219  
 AND U.S. TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TENN. 37401, OR KNOXVILLE, TENN. 37902  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRA  
 Revisions  
 the Tenne  
 taken 198  
 field chec

TIC NORTH  
 F SHEET

Maynardville STP

DELPHINIUM EXALTATUM

