

Appendix M. Segment 0833 Habitat Quality Indices

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 4 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 1 |
| 4. Dimensions of Largest Pool | 3 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 2 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 1 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 16 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 23 August 2001

COUNTY: Parker

LOCATION: Station **17463**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 3 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 3 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 0 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 1 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 15 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 23 August 2001

COUNTY: Parker

LOCATION: Station **11062**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 3 |
| 2. Bottom Substrate Stability | 2 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 3 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 1 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 1 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 17 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833
 DATE: 22 August 2001
 COUNTY: Parker
 LOCATION: Station **17461**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 2 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 2 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 0 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 1 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 14 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833
 DATE: 21 August 2001
 COUNTY: Parker
 LOCATION: Station **17462**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 1 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 2 |
| 4. Dimensions of Largest Pool | 2 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 2 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 1 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|----------------|
| Exceptional: | 26-31 | Total Score: | 13 |
| High: | 20-25 | Aquatic Life Use: | Limited |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 30 April 2002

COUNTY: Parker

LOCATION: Station **16415**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 2 |
| 3. Number of Riffles | 2 |
| 4. Dimensions of Largest Pool | 2 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 2 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 1 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 15 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 01 May 2002

COUNTY: Parker

LOCATION: Station **17463**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 1 |
| 4. Dimensions of Largest Pool | 4 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 0 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 1 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|----------------|
| Exceptional: | 26-31 | Total Score: | 13 |
| High: | 20-25 | Aquatic Life Use: | Limited |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 01 May 2002

COUNTY: Parker

LOCATION: Station **11062**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 4 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 3 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 1 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 19 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 02 May 2002

COUNTY: Parker

LOCATION: Station **17461**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 1 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 1 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 1 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 1 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|----------------|
| Exceptional: | 26-31 | Total Score: | 12 |
| High: | 20-25 | Aquatic Life Use: | Limited |
| Intermediate: | 14-19 | | |
| Limited: | ≤ 13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 02 May 2002

COUNTY: Parker

LOCATION: Station **17462**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 1 |
| 4. Dimensions of Largest Pool | 3 |
| 5. Channel Flow Status | 0 |
| 6. Bank Stability | 2 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 1 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|----------------|
| Exceptional: | 26-31 | Total Score: | 13 |
| High: | 20-25 | Aquatic Life Use: | Limited |
| Intermediate: | 14-19 | | |
| Limited: | ≤ 13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 24 July 2002

COUNTY: Parker

LOCATION: Station **16415**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 3 |
| 2. Bottom Substrate Stability | 2 |
| 3. Number of Riffles | 2 |
| 4. Dimensions of Largest Pool | 2 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 2 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 1 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 16 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 24 July 2002

COUNTY: Parker

LOCATION: Station **17463**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 4 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 1 |
| 7. Channel Sinuosity | 2 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 1 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 17 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤ 13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 25 July 2002

COUNTY: Parker

LOCATION: Station **11062**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 4 |
| 3. Number of Riffles | 3 |
| 4. Dimensions of Largest Pool | 3 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 1 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 2 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|---------------------|
| Exceptional: | 26-31 | Total Score: | 19 |
| High: | 20-25 | Aquatic Life Use: | Intermediate |
| Intermediate: | 14-19 | | |
| Limited: | ≤ 13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 23 July 2002

COUNTY: Parker

LOCATION: Station **17461**

ECOREGION: 29

Habitat Quality Index
Metrics and Scoring

| Metric | Score |
|-------------------------------|-------|
| 1. Available Instream Cover | 2 |
| 2. Bottom Substrate Stability | 1 |
| 3. Number of Riffles | 2 |
| 4. Dimensions of Largest Pool | 2 |
| 5. Channel Flow Status | 1 |
| 6. Bank Stability | 0 |
| 7. Channel Sinuosity | 1 |
| 8. Riparian Buffer Vegetation | 2 |
| 9. Aesthetics of Reach | 1 |

AQUATIC LIFE USE POINT SCORE RANGES

| | | | |
|---------------|-------|-------------------|----------------|
| Exceptional: | 26-31 | Total Score: | 12 |
| High: | 20-25 | Aquatic Life Use: | Limited |
| Intermediate: | 14-19 | | |
| Limited: | ≤ 13 | | |

STREAM: Clear Fork Trinity Seg. 0833

DATE: 23 July 2002

COUNTY: Parker

LOCATION: Station **17462**

ECOREGION: 29