Database Code: GS002

Title: Stream cross-section profiles in the Andrews Experimental Forest and Hagan Block RNA 1978 to 2011

Abstract:

This database consists of periodically resurveyed cross-section profiles for 5 sites (stream reaches) located in the H.J. Andrews Experimental Forest on 3rd to 5th-order stream channels over the period 1978-present, and also includes historical data from Shorter Creek within the Andrews and two sites (North and South) on the Hagan Creek in the Hagan Block RNA. Each of these sites includes 10-20 cross sections spaced about 10-50 m apart. Observations include cross-sectional geometry based on surveys relative to a horizontal line between permanent stations on opposite sides of the stream, substrate type based on pebble counts and notes on extent of bedrock, and photo-documentation of the sites. Sampling was primarily done annually until 2000 and opportunistically since then depending on funding and noted geomorphic changes in response to floods. Sampling at least every 5 years is desired. Data tables cover 1. elevation and distance measurements between fixed end points, 2. pebble counts for particle size, 3. measures of extent of exposed bedrock, 4. vegetation (1984 only) in terms of % cover by spp., % cover of substrate types, and plant measurements for making biomass estimates with allometric equations, but such estimates are not presented. The original raw cross-section data for these sites has been adjusted to align profiles for consecutive year comparisons at each cross-section location to correct for imprecision in the survey methodology. John Faustini further corrected this cross-section data from 1978-1998 for the five main sites in Study GS019. The Shorter Creek cross-section surveys took place in 1978-1982 only.

Keywords: Channel geomorphology; Disturbance; Geomorphology; Long-Term Ecological Research (LTER); Riparian ecosystems; Riparian vegetation; Woody debris; Disturbance; Inorganic nutrients; Long-Term Ecological Research (LTER); Geomorphology; Disturbance; Inorganic nutrients; Woody debris; Riparian ecosystems; Streams; Vegetation;

Date data commenced: 1978-04-14
Date data terminated: 2011-09-06
Principal Investigator: Sherri L. Johnson

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3. Particle count sampling along stream cross-sections
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8. Permanent monument data (original 1978 survey/control net)
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11. Raw stream cross-section measurement data for all sites

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1. Andrews long-term stream cross-section data for Lookout Ck, Mack Ck and Cold Ck

Elevation and distance measurements are made between fixed end posts. Elevations and distances are corrected until 1995 for year to year comparison, but Z-post (zero distance post) elevations continue to be standardized for comparison.

**Attribute List:**

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<tr>
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### 2. Historic Hagan North and South Fork and Andrews Shorter Creek cross-section data

Elevation and distance measurements between fixed end posts adjusted for comparison.

**Attribute List:**

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### 3. Particle count sampling along stream cross-sections

Particle count samples: b-axis particle diameter

**Attribute List:**

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### 4. Particle count sampling comments including presence of bedrock

Bedrock encountered in particle sampling is noted.

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5. Vegetation transect data (1984 only) - percent cover by species

Percent cover by species in transect plots - 1984 survey of Mack Cr clearcut riparian vegetation.

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6. Vegetation transect data (1984 only) - percent substrate type

Percent substrate types in transect plots - 1984 riparian survey of Mack Cr clearcut

Attribute List:

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7. Vegetation transect data (1984 only) - raw biomass measurements

Raw biomass measurements of height, diameter, leaf or frond length or count, etc. along transect in 1984 survey - biomass not calculated and calculation through allometric equations is needed.

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### 8. Permanent monument data (original 1978 survey/control net)

**Attribute List:**

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<th>Definition</th>
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### 9. Reference data for each cross-section number (original 1978 survey)

**Attribute List:**

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10. Raw data horizontal and vertical adjustment factors for each cross-section at all sites

Catalog of adjustments to raw data - internal program use only

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  - N  
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  - enum

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  - N  
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  - range

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  - N  
  - datetime  
  - range  
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    - YYYY-MM-DD

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  - N  
  - char(6)  
  - place

- **YEAR**  
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  - N  
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  - range

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  - char(7)  
  - enum

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- **Y_CONST**  
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  - N  
  - numeric(5,0)  
  - range

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  - N  
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  - range

- **Y_FACTOR**  
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  - N  
  - numeric(8,5)  
  - range

- **NOTES**  
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  - freetext

11. Raw stream cross-section measurement data for all sites

Raw stream cross-section transect data - not adjusted.

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  - datetime  
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- **SITECODE**  
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  - N  
  - char(6)  
  - place

- **YEAR**  
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  - N  
  - numeric(4,0)  
  - range

- **XSEC_CODE**  
  - Y  
  - N  
  - char(7)  
  - enum

- **INSTHT**  
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  - N  
  - numeric(5,0)  
  - range

- **ZDIST**  
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  - N  
  - numeric(5,0)  
  - range

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- **CLASS**  
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  - N  
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- **HSTAGE**  
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  - enum

Attributes Definitions:
AZIMUTH
Azimuth of tree or shrub lean

BEARING
Bearing of cross-section, ie., n38w

BIOMASS1
Biomass parameter 1 - measurement differs by species - consult Gody Spycher or Charles Halpern

BIOMASS2
Biomass parameter 2 - measurement differs by species - consult Gody Spycher or Charles Halpern - units may be length in cm or a count

CHANCODC
Channel geomorphology code at point

CLASS
Numeric point location description, used only for Shorter Creek

COMMENT
Comment about presence of bedrock

COUNTER
Sequential count of incidence of species on each plot (established to create unique key)

COVER
Percent cover of this substrate (microsite classification) in the 1x1 meter plot

DATE
Date of survey

DBCODE
FSDB Database code

DISTANCE
Horizontal distance from starting z-post (zero post) - cross-section distances were adjusted for comparison until approximately 1996 when methods were improved

ELEVATION
Elevation difference from starting z-post (zero distance) - elevations along transect are adjusted by a common factor so that elevation is zero at this z-post for comparison among years

ENTITY
Entity number

HSTAGE
Code indicating high stage level for comparative analysis of channel area change (1978-1988)

INSTHT
Originally the instrument height was used to correct elevation (no longer used)

LEAN
Angle of tree or shrub lean

LEVEL
Positive elevation difference between transect point and instrument level (not adjusted for elevation at z-post)
MICROSITE
    Microsite classification or substrate type
NOTES
    Notes on adjustment of raw cross-section data
OTHERCODE
    Secondary substrate type or channel geomorphology code at point
OTHERHT
    Height of opposite post
PARTICLE_INDEX
    Numerical index of pebbles measured (for creating key field)
PARTICLE_SIZE
    Size of particle, b-axis
PERMXBRG
    Bearing from permanent object to x post
PERMXDST
    Distance from permanent object to x post
PERMZBRG
    Bearing from permanent object to z post
PERMZDST
    Distance from permanent object to z post
PLOT
    Plot number (positive if on right side of stream looking upstream, negative if on left side of stream looking upstream)
REFHT
    Height of reference post
REFLVL
    Level ht above reference post
REFPOST
    Post used as reference post (either x or z)
SITECODE
    Coded name of study area
SPECIES
    Species according to garrison alpha code
SUBSTRATE
    Dominant substrate type at point
TRANSECT
    Transect number
X_CONST
Constant added to distance value

\( \text{X\_FACTOR} \)
Multiplicative adjustment factor for distance value

\( \text{XSEC\_CODE} \)
Cross-section number

\( \text{XSECDIST} \)
Total cross-section distance

\( \text{Y\_CONST} \)
Constant added to level (elevation) value

\( \text{Y\_FACTOR} \)
Multiplicative adjustment factor for elevation value

\( \text{YEAR} \)
Year of survey

\( \text{ZDIST} \)
Horizontal distance from instrument to transect point (not adjusted)

Enumerated Domains:

Enumerated Domain for Attribute: \( \text{CHANCODE} \)
- \( \text{NA} \): No channel code is applicable
- \( \text{BF} \): Bank full
- \( \text{EC} \): Edge of channel
- \( \text{EW} \): Edge of water (main channel)

Enumerated Domain for Attribute: \( \text{OTHERCODE} \)
- \( \text{NA} \): No other channel or substrate codes apply
- \( \text{BF} \): Bank full
- \( \text{BL} \): Boulder
- \( \text{CB} \): Cobble
- \( \text{EW} \): Edge of water (main channel)
- \( \text{GR} \): Gravel
- \( \text{LG} \): Log (\( > 10 \text{ cm diameter} \))
- \( \text{LI} \): Litter
- \( \text{TR} \): Trail
- \( \text{FS} \): Fine sediment
- \( \text{UC} \): Undercut bank
- \( \text{TB} \): Tributary
- \( \text{RB} \): Rebar
- \( \text{EC} \): Edge of channel
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HAS009 Hagan Block South stream cross-section 9 - established 1981 and used through 1986
HAS010 Hagan Block South stream cross-section 10 - established 1981 and used through 1986
HAS011 Hagan Block South stream cross-section 11 - established 1981 and used through 1986
HAS012 Hagan Block South stream cross-section 12 - established 1981 and used through 1986
HAS013 Hagan Block South stream cross-section 13 - established 1981 and used through 1986
HAS014 Hagan Block South stream cross-section 14 - established 1981 and used through 1986
HAS015 Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)
HAS015A Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys
HAS016 Hagan Block South stream cross-section 16 - established 1981 and used through 1986
HAS017 Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018 Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019 Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020 Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021 Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022 Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS105 Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence
HAS106 Hagan Block South stream cross-section 106 - established 1982 and used through 1986
HAS107 Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)
HAS107A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS108 Hagan Block South stream cross-section 108 - established 1982 and used through 1986
HAS109 Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS110 Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS906 Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS907 Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108
HAS908 Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS909 Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS911 Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012
HAS912 Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913 Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014
HAS914 Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015
HAS916 Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017
HAS917 Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018
HAS918  Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019
LOL001  Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section
LOL002  Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A
LOL003  Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to failing trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B
LOL004  Lower Lookout stream cross-section 4 - established 1978 and used through 1995 - x-post lost
LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4
LOL005  Lower Lookout stream cross-section 5 - established 1978
LOL006  Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing
LOL007  Lower Lookout stream cross-section 7 - established 1978
LOL008  Lower Lookout stream cross-section 8 - established 1978
LOL009  Lower Lookout stream cross-section 9 - established 1978 and used through 1999 - x-post lost to tree windthrow
LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of cross-section 9 - new distance and bearing but compares well with cross-section 9
LOL010  Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows
LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10
LOL011  Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows
LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11
LOL012  Lower Lookout stream cross-section 12 - established 1978
LOL013  Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post
LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13
LOL014  Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post
LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section
LOL019  Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood
LOM001  Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section
LOM002  Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows
LOM002A Middle Lookout stream cross-section 2A - established 1996 and used through 2000 as replacement of cross-section 2 - x-post compromised to bank erosion
LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A
LOM003  Middle Lookout stream cross-section 3 - established 1978
LOM004 Middle Lookout stream cross-section 4 - established 1978
LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows
LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5
LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion
LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011 Middle Lookout stream cross-section 11 - established 1978 as furthest downstream LOM cross-section
MAC001 Mack old-growth stream cross-section 1 - established 1978 as furthest downstream MAC cross-section
MAC002 Mack old-growth stream cross-section 2 - established 1978
MAC003 Mack old-growth stream cross-section 3 - established 1978
MAC004 Mack old-growth stream cross-section 4 - established 1978
MAC005 Mack old-growth stream cross-section 5 - established 1978
MAC006 Mack old-growth stream cross-section 6 - established 1978
MAC007 Mack old-growth stream cross-section 7 - established 1978
MAC008 Mack old-growth stream cross-section 8 - established 1978
MAC009 Mack old-growth stream cross-section 9 - established 1978
MAC010 Mack old-growth stream cross-section 10 - established 1978
MAC011 Mack old-growth stream cross-section 11 - established 1978
MAC012 Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101 Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102 Mack clearcut stream cross-section 102 - established 1981
MCC103 Mack clearcut stream cross-section 103 - established 1981
MCC104  Mack clearcut stream cross-section 104 - established 1981
MCC105  Mack clearcut stream cross-section 105 - established 1981
MCC106  Mack clearcut stream cross-section 106 - established 1981
MCC107  Mack clearcut stream cross-section 107 - established 1981
MCC108  Mack clearcut stream cross-section 108 - established 1981
MCC109  Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
MCC109A Mack clearcut stream cross-section 109A - established in 2000 as replacement for cross-section 109 - x-post moved 1.15 m downstream
MCC110  Mack clearcut stream cross-section 110 - established 1981
MCC111  Mack clearcut stream cross-section 111 - established 1981
MCC112  Mack clearcut stream cross-section 112 - established 1981 but only used 1982 and 1984
MCC112A Mack clearcut stream cross-section 112A - established in 1981 as cross-section 112, but use 112 in 1982 and 1984
MCC113  Mack clearcut stream cross-section 113 - established 1981
MCC114  Mack clearcut stream cross-section 114 - established 1981
MCC115  Mack clearcut stream cross-section 115 - established 1981
MCC116  Mack clearcut stream cross-section 116 - established 1981
MCC117  Mack clearcut stream cross-section 117 - established 1981 and used through 1982
MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement for cross-section 117
MCC118  Mack clearcut stream cross-section 118 - established 1981 and used through 2000 - repositioned
MCC118A Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119  Mack clearcut stream cross-section 119 - established 1981
MCC120  Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000  Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004  Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008  Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012  Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016  Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020  Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024  Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028  Shorter stream cross-section 028 - established 1978 and used through 1982
SHR032  Shorter stream cross-section 032 - established 1978 and used through 1982
SHR036  Shorter stream cross-section 036 - established 1978 and used through 1982
SHR040  Shorter stream cross-section 040 - established 1978 and used through 1982
SHR044  Shorter stream cross-section 044 - established 1978 and used through 1982
SHR100  Shorter stream cross-section 100 - established 1978 and used through 1982
SHR100P Shorter stream cross-section 100P - second measurement of cross-section 100 in 1978
SHR100Q Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978
SHR102 Shorter stream cross-section 102 - established 1978 and used through 1982
SHR102P Shorter stream cross-section 102P - second measurement of cross-section 102 in 1978
SHR102Q Shorter stream cross-section 102Q - third measurement of cross-section 102 in 1978
SHR104 Shorter stream cross-section 104 - established 1978 and used through 1982
SHR104P Shorter stream cross-section 104P - second measurement of cross-section 104 in 1978
SHR104Q Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978
SHR106 Shorter stream cross-section 106 - established 1978 and used through 1982
SHR106P Shorter stream cross-section 106P - second measurement of cross-section 106 in 1978
SHR106Q Shorter stream cross-section 106Q - third measurement of cross-section 106 in 1978
SHR108 Shorter stream cross-section 108 - established 1978 and used through 1982
SHR108P Shorter stream cross-section 108P - second measurement of cross-section 108 in 1978
SHR108Q Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978
SHR110 Shorter stream cross-section 110 - established 1978 and used through 1982
SHR110P Shorter stream cross-section 110P - second measurement of cross-section 110 in 1978
SHR110Q Shorter stream cross-section 110Q - third measurement of cross-section 110 in 1978
SHR112 Shorter stream cross-section 112 - established 1978 and used through 1982
SHR112P Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978
SHR112Q Shorter stream cross-section 112Q - third measurement of cross-section 112 in 1978
SHR114 Shorter stream cross-section 114 - established 1978 and used through 1982
SHR114P Shorter stream cross-section 114P - second measurement of cross-section 114 in 1978
SHR114Q Shorter stream cross-section 114Q - third measurement of cross-section 114 in 1978
SHR116 Shorter stream cross-section 116 - established 1978 and used through 1982
SHR116P Shorter stream cross-section 116P - second measurement of cross-section 116 in 1978
SHR116Q Shorter stream cross-section 116Q - third measurement of cross-section 116 in 1978
SHR118 Shorter stream cross-section 118 - established 1978 and used through 1982
SHR118P Shorter stream cross-section 118P - second measurement of cross-section 118 in 1978
SHR118Q Shorter stream cross-section 118Q - third measurement of cross-section 118 in 1978
SHR120 Shorter stream cross-section 120 - established 1978 and used through 1982
SHR120P Shorter stream cross-section 120P - second measurement of cross-section 120 in 1978
SHR120Q Shorter stream cross-section 120Q - third measurement of cross-section 120 in 1978
SHR122 Shorter stream cross-section 122 - established 1978 and used through 1982
SHR122P Shorter stream cross-section 122P - second measurement of cross-section 122
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<td>Shorter stream cross-section 221 - established 1978 and used through 1982</td>
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SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B  Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B  Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A  Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C  Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C  Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOLO19B  Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D  Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D  Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A  Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: CHANCODE
NA     No channel code is applicable
BF     Bank full
EC     Edge of channel
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<tbody>
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<td>Edge of water (main channel)</td>
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</table>

**Enumerated Domain for Attribute: OTHERCODE**

- **NA**: No other channel or substrate codes apply
- **BF**: Bank full
- **BL**: Boulder
- **CB**: Cobble
- **EW**: Edge of water (main channel)
- **GR**: Gravel
- **LG**: Log (> 10 cm diameter)
- **LI**: Litter
- **TR**: Trail
- **FS**: Fine sediment
- **UC**: Undercut bank
- **TB**: Tributary
- **RB**: Rebar
- **EC**: Edge of channel

**Enumerated Domain for Attribute: DBCODE**

- **GS002**: FSDB Database Code GS002

**Enumerated Domain for Attribute: SUBSTRATE**

- **NR**: Not recorded
- **BL**: Boulder
- **BR**: Bedrock
- **CB**: Cobble
- **FO**: Fine organics
- **FS**: Fine sediment
- **GR**: Gravel
- **IB**: Eye-bolt/bedrock
- **LG**: Log (> 10 cm diameter)
- **LI**: Litter
- **LS**: Suspended log
- **MS**: Bare mineral soil / colluvium
- **OD**: Organic debris (< 10 cm diameter)
- **OS**: Suspended organic debris
- **RW**: Rootwad / stump
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF</td>
<td>Turf / grass</td>
</tr>
<tr>
<td>TR</td>
<td>Trail</td>
</tr>
<tr>
<td>WS</td>
<td>Water surface (for recording elevation of water; rod held at water surface) field crew was using code WSE water surface elevation</td>
</tr>
</tbody>
</table>

**Enumerated Domain for Attribute: XSEC_CODE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COC001</td>
<td>Cold Creek stream cross-section 1 - established 1980 as furthest downstream</td>
</tr>
<tr>
<td></td>
<td>COC cross-section</td>
</tr>
<tr>
<td>COC002</td>
<td>Cold Creek stream cross-section 2 - established 1980</td>
</tr>
<tr>
<td>COC003</td>
<td>Cold Creek stream cross-section 3 - established 1980</td>
</tr>
<tr>
<td>COC004</td>
<td>Cold Creek stream cross-section 4 - established 1980</td>
</tr>
<tr>
<td>COC005</td>
<td>Cold Creek stream cross-section 5 - established 1980</td>
</tr>
<tr>
<td>COC006</td>
<td>Cold Creek stream cross-section 6 - established 1980 and measured through</td>
</tr>
<tr>
<td></td>
<td>1995 - z-post position is compromised</td>
</tr>
<tr>
<td>COC006A</td>
<td>Cold Creek stream cross-section 6A - established in 1996 and replaces</td>
</tr>
<tr>
<td></td>
<td>cross-section 6</td>
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<tr>
<td>COC007</td>
<td>Cold Creek stream cross-section 7 - established 1980</td>
</tr>
<tr>
<td>COC008</td>
<td>Cold Creek stream cross-section 8 - established 1980</td>
</tr>
<tr>
<td>COC009</td>
<td>Cold Creek stream cross-section 9 - established 1980</td>
</tr>
<tr>
<td>COC010</td>
<td>Cold Creek stream cross-section 10 - established 1980</td>
</tr>
<tr>
<td>COC011</td>
<td>Cold Creek stream cross-section 11 - established 1980</td>
</tr>
<tr>
<td>COC012</td>
<td>Cold Creek stream cross-section 12 - established 1980</td>
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<td>COC013</td>
<td>Cold Creek stream cross-section 13 - established 1980</td>
</tr>
<tr>
<td>COC014</td>
<td>Cold Creek stream cross-section 14 - established 1980</td>
</tr>
<tr>
<td>COC015</td>
<td>Cold Creek stream cross-section 15 - established 1980</td>
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<tr>
<td>COC016</td>
<td>Cold Creek stream cross-section 16 - established 1980</td>
</tr>
<tr>
<td>COC017</td>
<td>Cold Creek stream cross-section 17 - established 1980 as furthest upstream</td>
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<td></td>
<td>COC cross-section</td>
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<tr>
<td>HAN001</td>
<td>Hagan Block North stream cross-section 1 - established 1981 and used through</td>
</tr>
<tr>
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<td>1987 - furthest downstream cross-section above S.Fork confluence</td>
</tr>
<tr>
<td>HAN002</td>
<td>Hagan Block North stream cross-section 2 - established 1981 and used through</td>
</tr>
<tr>
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<td>1987</td>
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<td>HAN003</td>
<td>Hagan Block North stream cross-section 3 - established 1981 and used through</td>
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<td>1987</td>
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<td>HAN004</td>
<td>Hagan Block North stream cross-section 4 - established 1981 and used through</td>
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<tr>
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<td>1987</td>
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<td>HAN005</td>
<td>Hagan Block North stream cross-section 5 - established 1981 and used through</td>
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<td>1985</td>
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<td>HAN006</td>
<td>Hagan Block North stream cross-section 6 - established 1981 and used through</td>
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<tr>
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<td>1985</td>
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<tr>
<td>HAN007</td>
<td>Hagan Block North stream cross-section 7 - established 1981 and used through</td>
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<td>HAN008</td>
<td>Hagan Block North stream cross-section 8 - established 1981 and used through</td>
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<td>1987</td>
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<td>HAN009</td>
<td>Hagan Block North stream cross-section 9 - established 1981 and used through</td>
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<tr>
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<td>1987</td>
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<td>HAN010</td>
<td>Hagan Block North stream cross-section 10 - established 1981 and used</td>
</tr>
<tr>
<td></td>
<td>through 1987</td>
</tr>
<tr>
<td>HAN011</td>
<td>Hagan Block North stream cross-section 11 - established 1981 and used</td>
</tr>
<tr>
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<td>through 1987</td>
</tr>
<tr>
<td>HAN012</td>
<td>Hagan Block North stream cross-section 12 - established 1981 and used</td>
</tr>
<tr>
<td></td>
<td>through 1987</td>
</tr>
</tbody>
</table>
HAN013 Hagan Block North stream cross-section 13 - established 1981 and used through 1987
HAN014 Hagan Block North stream cross-section 14 - established 1981 and used through 1987
HAN015 Hagan Block North stream cross-section 15 - established 1981 and used through 1987
HAN016 Hagan Block North stream cross-section 16 - established 1981 and used through 1987
HAN017 Hagan Block North stream cross-section 17 - established 1981 and used through 1987
HAN018 Hagan Block North stream cross-section 18 - established 1981 and used through 1987
HAN019 Hagan Block North stream cross-section 19 - established 1981 and used through 1987
HAN020 Hagan Block North stream cross-section 20 - established 1981 and used through 1987 - furthest upstream cross-section

HAS001 Hagan Block South stream cross-section 1 - established 1981 and used through 1986 - downstream of cross-sections 2-21 and 911-918, upstream of 105-110 and 906-909
HAS002 Hagan Block South stream cross-section 2 - established 1981 and used through 1986
HAS003 Hagan Block South stream cross-section 3 - established 1981 and used through 1986
HAS004 Hagan Block South stream cross-section 4 - established 1981 and used through 1986
HAS005 Hagan Block South stream cross-section 5 - established 1981 and used through 1986
HAS006 Hagan Block South stream cross-section 6 - established 1981 and used through 1986
HAS007 Hagan Block South stream cross-section 7 - established 1981 and used through 1986
HAS008 Hagan Block South stream cross-section 8 - established 1981 and used through 1986
HAS009 Hagan Block South stream cross-section 9 - established 1981 and used through 1986
HAS010 Hagan Block South stream cross-section 10 - established 1981 and used through 1986
HAS011 Hagan Block South stream cross-section 11 - established 1981 and used through 1986
HAS012 Hagan Block South stream cross-section 12 - established 1981 and used through 1986
HAS013 Hagan Block South stream cross-section 13 - established 1981 and used through 1986
HAS014 Hagan Block South stream cross-section 14 - established 1981 and used through 1986
HAS015 Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)
HAS015A Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys
HAS016 Hagan Block South stream cross-section 16 - established 1981 and used through 1986
HAS017 Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018 Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019 Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020 Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021 Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022 Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS105 Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence
HAS106 Hagan Block South stream cross-section 106 - established 1982 and used
HAS107 Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)
HAS107A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS108 Hagan Block South stream cross-section 108 - established 1982 and used through 1986
HAS109 Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS110 Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS906 Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS907 Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108
HAS908 Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS909 Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS911 Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012
HAS912 Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913 Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014
HAS914 Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015
HAS916 Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017
HAS917 Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018
HAS918 Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019
LOL001 Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section
LOL002 Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A
LOL003 Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to falling trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B
LOL004 Lower Lookout stream cross-section 4 - established 1978 and used through 1995 - x-post lost
LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4
LOL005 Lower Lookout stream cross-section 5 - established 1978
LOL006 Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing
LOL007 Lower Lookout stream cross-section 7 - established 1978
LOL008 Lower Lookout stream cross-section 8 - established 1978
LOL009 Lower Lookout stream cross-section 9 - established 1978 and used through 1999 - x-post lost to tree windthrow
LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of
LOL010 Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows

LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10

LOL011 Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows

LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11

LOL012 Lower Lookout stream cross-section 12 - established 1978

LOL013 Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post

LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13

LOL014 Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post

LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section

LOL019 Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood

LOM001 Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section

LOM002 Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows

LOM002A Middle Lookout stream cross-section 2A - established 1996 and used through 2000 - x-post compromised to bank erosion

LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A

LOM003 Middle Lookout stream cross-section 3 - established 1978

LOM004 Middle Lookout stream cross-section 4 - established 1978

LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows

LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5

LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows

LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6

LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows

LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7

LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows

LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8

LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason

LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion

LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows

LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B

LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows

LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion

LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion

LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011  Middle Lookout stream cross-section 11- established 1978 as furthest
downstream LOM cross-section
MAC001  Mack old-growth stream cross-section 1- established 1978 as furthest
downstream MAC cross-section
MAC002  Mack old-growth stream cross-section 2- established 1978
MAC003  Mack old-growth stream cross-section 3 - established 1978
MAC004  Mack old-growth stream cross-section 4 - established 1978
MAC005  Mack old-growth stream cross-section 5 - established 1978
MAC006  Mack old-growth stream cross-section 6 - established 1978
MAC007  Mack old-growth stream cross-section 7 - established 1978
MAC008  Mack old-growth stream cross-section 8 - established 1978
MAC009  Mack old-growth stream cross-section 9 - established 1978
MAC010  Mack old-growth stream cross-section 10 - established 1978
MAC011  Mack old-growth stream cross-section 11 - established 1978
MAC012  Mack old-growth stream cross-section 12 - established 1978 as furthest
upstream MAC cross-section
MCC101  Mack clearcut stream cross-section 101 - established 1981 as furthest upstream
MCC cross-section and below gauging station
MCC102  Mack clearcut stream cross-section 102 - established 1981
MCC103  Mack clearcut stream cross-section 103 - established 1981
MCC104  Mack clearcut stream cross-section 104 - established 1981
MCC105  Mack clearcut stream cross-section 105 - established 1981
MCC106  Mack clearcut stream cross-section 106 - established 1981
MCC107  Mack clearcut stream cross-section 107 - established 1981
MCC108  Mack clearcut stream cross-section 108 - established 1981
MCC109  Mack clearcut stream cross-section 109 - established 1981 and used through
2000 - repositioned to avoid tree affecting survey
MCC109A Mack clearcut stream cross-section 109A - established in 2000 as replacement
for cross-section 109 - x-post moved 1.15 m downstream
MCC110  Mack clearcut stream cross-section 110 - established 1981
MCC111  Mack clearcut stream cross-section 111 - established 1981
MCC112  Mack clearcut stream cross-section 112 - established 1981 but only used 1982
and 1984
MCC112A Mack clearcut stream cross-section 112A - established in 1981 as cross-section
112, but use 112 in 1982 and 1984
MCC113  Mack clearcut stream cross-section 113 - established 1981
MCC114  Mack clearcut stream cross-section 114 - established 1981
MCC115  Mack clearcut stream cross-section 115 - established 1981
MCC116  Mack clearcut stream cross-section 116 - established 1981
MCC117  Mack clearcut stream cross-section 117 - established 1981 and used through
1982
MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement
for cross-section 117
MCC118  Mack clearcut stream cross-section 118 - established 1981 and used through
2000 - repositioned

MCC118A  Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119  Mack clearcut stream cross-section 119 - established 1981
MCC120  Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000  Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004  Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008  Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012  Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016  Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020  Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024  Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028  Shorter stream cross-section 028 - established 1978 and used through 1982
SHR032  Shorter stream cross-section 032 - established 1978 and used through 1982
SHR036  Shorter stream cross-section 036 - established 1978 and used through 1982
SHR040  Shorter stream cross-section 040 - established 1978 and used through 1982
SHR044  Shorter stream cross-section 044 - established 1978 and used through 1982
SHR100  Shorter stream cross-section 100 - established 1978 and used through 1982
SHR100P  Shorter stream cross-section 100P - second measurement of cross-section 100 in 1978
SHR100Q  Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978
SHR102  Shorter stream cross-section 102 - established 1978 and used through 1982
SHR102P  Shorter stream cross-section 102P - second measurement of cross-section 102 in 1978
SHR102Q  Shorter stream cross-section 102Q - third measurement of cross-section 102 in 1978
SHR104  Shorter stream cross-section 104 - established 1978 and used through 1982
SHR104P  Shorter stream cross-section 104P - second measurement of cross-section 104 in 1978
SHR104Q  Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978
SHR106  Shorter stream cross-section 106 - established 1978 and used through 1982
SHR106P  Shorter stream cross-section 106P - second measurement of cross-section 106 in 1978
SHR106Q  Shorter stream cross-section 106Q - third measurement of cross-section 106 in 1978
SHR108  Shorter stream cross-section 108 - established 1978 and used through 1982
SHR108P  Shorter stream cross-section 108P - second measurement of cross-section 108 in 1978
SHR108Q  Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978
SHR110  Shorter stream cross-section 110 - established 1978 and used through 1982
SHR110P  Shorter stream cross-section 110P - second measurement of cross-section 110 in 1978
SHR110Q  Shorter stream cross-section 110Q - third measurement of cross-section 110 in
1978

SHR112 Shorter stream cross-section 112 - established 1978 and used through 1982
SHR112P Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978
SHR112Q Shorter stream cross-section 112Q - third measurement of cross-section 112 in 1978
SHR114 Shorter stream cross-section 114 - established 1978 and used through 1982
SHR114P Shorter stream cross-section 114P - second measurement of cross-section 114 in 1978
SHR114Q Shorter stream cross-section 114Q - third measurement of cross-section 114 in 1978
SHR116 Shorter stream cross-section 116 - established 1978 and used through 1982
SHR116P Shorter stream cross-section 116P - second measurement of cross-section 116 in 1978
SHR116Q Shorter stream cross-section 116Q - third measurement of cross-section 116 in 1978
SHR118 Shorter stream cross-section 118 - established 1978 and used through 1982
SHR118P Shorter stream cross-section 118P - second measurement of cross-section 118 in 1978
SHR118Q Shorter stream cross-section 118Q - third measurement of cross-section 118 in 1978
SHR120 Shorter stream cross-section 120 - established 1978 and used through 1982
SHR120P Shorter stream cross-section 120P - second measurement of cross-section 120 in 1978
SHR120Q Shorter stream cross-section 120Q - third measurement of cross-section 120 in 1978
SHR122 Shorter stream cross-section 122 - established 1978 and used through 1982
SHR122P Shorter stream cross-section 122P - second measurement of cross-section 122 in 1978
SHR122Q Shorter stream cross-section 122Q - third measurement of cross-section 122 in 1978
SHR124 Shorter stream cross-section 124 - established 1978 and used through 1982
SHR124P Shorter stream cross-section 124P - second measurement of cross-section 124 in 1978
SHR126 Shorter stream cross-section 126 - established 1978 and used through 1981
SHR126A Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126
SHR126P Shorter stream cross-section 126P - second measurement of cross-section 126 in 1978
SHR128 Shorter stream cross-section 128 - established 1978 and used through 1982
SHR130 Shorter stream cross-section 130 - established 1978 and used through 1982
SHR130P Shorter stream cross-section 130P - second measurement of cross-section 130 in 1978
SHR132 Shorter stream cross-section 132 - established 1978 and used through 1982
SHR132P Shorter stream cross-section 132P - second measurement of cross-section 132 in 1978
SHR134 Shorter stream cross-section 134 - established 1978 and used through 1982
SHR134P Shorter stream cross-section 134P - second measurement of cross-section 134 in 1978
SHR136 Shorter stream cross-section 136 - established 1978 and used through 1982
SHR136P Shorter stream cross-section 136P - second measurement of cross-section 136 in 1978
SHR138 Shorter stream cross-section 138 - established 1978 and used through 1982
SHR138P  Shorter stream cross-section 138P - second measurement of cross-section 138 in 1978
SHR140  Shorter stream cross-section 140 - established 1978 and used through 1982
SHR140P Shorter stream cross-section 140P - second measurement of cross-section 140 in 1978
SHR142  Shorter stream cross-section 142 - established 1978 and used through 1982
SHR142P Shorter stream cross-section 142P - second measurement of cross-section 142 in 1978
SHR144  Shorter stream cross-section 144 - established 1978 and used through 1982
SHR200  Shorter stream cross-section 200 - established 1978 and used through 1982
SHR202  Shorter stream cross-section 202 - established 1978 and used through 1982
SHR203  Shorter stream cross-section 203 - established 1978 and used through 1982
SHR206  Shorter stream cross-section 206 - established 1978 and used through 1982
SHR209  Shorter stream cross-section 209 - established 1978 and used through 1982
SHR211  Shorter stream cross-section 211 - established 1978 and used through 1982
SHR212  Shorter stream cross-section 212 - established 1978 and used through 1982
SHR215  Shorter stream cross-section 215 - established 1978 and used through 1982
SHR216  Shorter stream cross-section 216 - established 1978 and used through 1982
SHR219  Shorter stream cross-section 219 - established 1978 and used through 1982
SHR221  Shorter stream cross-section 221 - established 1978 and used through 1982
SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: DBCODE
GS002  FSDB Database Code GS002

Enumerated Domain for Attribute: XSEC_CODE
COC001  Cold Creek stream cross-section 1 - established 1980 as furthest downstream COC cross-section
COC002  Cold Creek stream cross-section 2 - established 1980
COC003  Cold Creek stream cross-section 3 - established 1980
COC004  Cold Creek stream cross-section 4 - established 1980
COC005  Cold Creek stream cross-section 5 - established 1980
COC006  Cold Creek stream cross-section 6 - established 1980 and measured through 1995 - z-post position is compromised.
COC006A Cold Creek stream cross-section 6A - established in 1996 and replaces cross-section 6
COC007  Cold Creek stream cross-section 7 - established 1980
COC008  Cold Creek stream cross-section 8 - established 1980
COC009  Cold Creek stream cross-section 9 - established 1980
COC010  Cold Creek stream cross-section 10 - established 1980
COC011  Cold Creek stream cross-section 11 - established 1980
COC012  Cold Creek stream cross-section 12 - established 1980
COC013  Cold Creek stream cross-section 13 - established 1980
COC014  Cold Creek stream cross-section 14 - established 1980
COC015  Cold Creek stream cross-section 15 - established 1980
COC016  Cold Creek stream cross-section 16 - established 1980
COC017  Cold Creek stream cross-section 17 - established 1980 as furthest upstream COC cross-section
HAN001 Hagan Block North stream cross-section 1 - established 1981 and used through 1987 - furthest downstream cross-section above S. Fork confluence
HAN002 Hagan Block North stream cross-section 2 - established 1981 and used through 1987
HAN003 Hagan Block North stream cross-section 3 - established 1981 and used through 1987
HAN004 Hagan Block North stream cross-section 4 - established 1981 and used through 1987
HAN005 Hagan Block North stream cross-section 5 - established 1981 and used through 1985
HAN006 Hagan Block North stream cross-section 6 - established 1981 and used through 1987
HAN007 Hagan Block North stream cross-section 7 - established 1981 and used through 1987
HAN008 Hagan Block North stream cross-section 8 - established 1981 and used through 1987
HAN009 Hagan Block North stream cross-section 9 - established 1981 and used through 1987
HAN010 Hagan Block North stream cross-section 10 - established 1981 and used through 1987
HAN011 Hagan Block North stream cross-section 11 - established 1981 and used through 1987
HAN012 Hagan Block North stream cross-section 12 - established 1981 and used through 1987
HAN013 Hagan Block North stream cross-section 13 - established 1981 and used through 1987
HAN014 Hagan Block North stream cross-section 14 - established 1981 and used through 1987
HAN015 Hagan Block North stream cross-section 15 - established 1981 and used through 1987
HAN016 Hagan Block North stream cross-section 16 - established 1981 and used through 1987
HAN017 Hagan Block North stream cross-section 17 - established 1981 and used through 1987
HAN018 Hagan Block North stream cross-section 18 - established 1981 and used through 1987
HAN019 Hagan Block North stream cross-section 19 - established 1981 and used through 1987
HAN020 Hagan Block North stream cross-section 20 - established 1981 and used through 1987 - furthest upstream cross-section
HAS001 Hagan Block South stream cross-section 1 - established 1981 and used through 1986 - downstream of cross-sections 2-21 and 911-918, upstream of 105-110 and 906-909
HAS002 Hagan Block South stream cross-section 2 - established 1981 and used through 1986
HAS003 Hagan Block South stream cross-section 3 - established 1981 and used through 1986
HAS004 Hagan Block South stream cross-section 4 - established 1981 and used through 1986
HAS005 Hagan Block South stream cross-section 5 - established 1981 and used through 1986
HAS006 Hagan Block South stream cross-section 6 - established 1981 and used through 1986
HAS007 Hagan Block South stream cross-section 7 - established 1981 and used through 1986
HAS008 Hagan Block South stream cross-section 8 - established 1981 and used through 1986
HAS009 Hagan Block South stream cross-section 9 - established 1981 and used through 1986
HAS010 Hagan Block South stream cross-section 10 - established 1981 and used through 1986
HAS011 Hagan Block South stream cross-section 11 - established 1981 and used through 1986
HAS012 Hagan Block South stream cross-section 12 - established 1981 and used through 1986
HAS013 Hagan Block South stream cross-section 13 - established 1981 and used through 1986
HAS014 Hagan Block South stream cross-section 14 - established 1981 and used through 1986
HAS015 Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)
HAS015A Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys
HAS016 Hagan Block South stream cross-section 16 - established 1981 and used through 1986
HAS017 Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018 Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019 Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020 Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021 Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022 Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS023 Hagan Block South stream cross-section 23 - established 1982 and used through 1986
HAS105 Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence
HAS106 Hagan Block South stream cross-section 106 - established 1982 and used through 1986
HAS107 Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)
HAS107A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS108 Hagan Block South stream cross-section 108 - established 1982 and used through 1986
HAS109 Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS110 Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS906 Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS907 Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 109
HAS908 Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS909 Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS911 Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012
HAS912 Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913 Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014
HAS914 Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015
HAS916 Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017
HAS917 Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018
HAS918 Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019
LOL001 Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section
LOL002 Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A
LOL003 Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to falling trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B
LOL004 Lower Lookout stream cross-section 4 - established 1978 and used through 1995 - x-post lost
LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4
LOL005 Lower Lookout stream cross-section 5 - established 1978
LOL006 Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing
LOL007 Lower Lookout stream cross-section 7 - established 1978
LOL008 Lower Lookout stream cross-section 8 - established 1978
LOL009 Lower Lookout stream cross-section 9 - established 1978 and used through 1999 - x-post lost to tree windthrow
LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of cross-section 9 - new distance and bearing but compares well with cross-section 9
LOL010 Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows
LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10
LOL011 Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows
LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11
LOL012 Lower Lookout stream cross-section 12 - established 1978
LOL013 Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post
LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13
LOL014 Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post
LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section
LOL019 Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood
LOM001 Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section
LOM002 Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows
LOM002A Middle Lookout stream cross-section 2A - established 1996 and used through 2000 as replacement of cross-section 2 - x-post compromised to bank erosion
LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A
LOM003 Middle Lookout stream cross-section 3 - established 1978
LOM004 Middle Lookout stream cross-section 4 - established 1978
LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows
LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5
LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion
LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011 Middle Lookout stream cross-section 11 - established 1978 as furthest downstream LOM cross-section
MAC001 Mack old-growth stream cross-section 1 - established 1978 as furthest downstream MAC cross-section
MAC002 Mack old-growth stream cross-section 2 - established 1978
MAC003 Mack old-growth stream cross-section 3 - established 1978
MAC004 Mack old-growth stream cross-section 4 - established 1978
MAC005 Mack old-growth stream cross-section 5 - established 1978
MAC006 Mack old-growth stream cross-section 6 - established 1978
MAC007 Mack old-growth stream cross-section 7 - established 1978
MAC008 Mack old-growth stream cross-section 8 - established 1978
MAC009 Mack old-growth stream cross-section 9 - established 1978
MAC010 Mack old-growth stream cross-section 10 - established 1978
MAC011 Mack old-growth stream cross-section 11 - established 1978
MAC012 Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101 Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102 Mack clearcut stream cross-section 102 - established 1981
MCC103 Mack clearcut stream cross-section 103 - established 1981
MCC104 Mack clearcut stream cross-section 104 - established 1981
MCC105 Mack clearcut stream cross-section 105 - established 1981
MCC106 Mack clearcut stream cross-section 106 - established 1981
MCC107 Mack clearcut stream cross-section 107 - established 1981
MCC108 Mack clearcut stream cross-section 108 - established 1981
MCC109 Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>MCC109A</td>
<td>Mack clearcut stream cross-section 109A - established in 2000 as replacement</td>
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<td>MCC110</td>
<td>Mack clearcut stream cross-section 110 - established 1981</td>
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<td>MCC111</td>
<td>Mack clearcut stream cross-section 111 - established 1981</td>
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<td>MCC112</td>
<td>Mack clearcut stream cross-section 112 - established 1981 but only used 1982</td>
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<td>and 1984</td>
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<td>MCC112A</td>
<td>Mack clearcut stream cross-section 112A - established in 1981 as cross-section</td>
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<td>Mack clearcut stream cross-section 113 - established 1981</td>
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<td>Mack clearcut stream cross-section 114 - established 1981</td>
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<td>MCC115</td>
<td>Mack clearcut stream cross-section 115 - established 1981</td>
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<td>Mack clearcut stream cross-section 116 - established 1981</td>
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<td>Mack clearcut stream cross-section 117 - established 1981 and used through</td>
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<td>Mack clearcut stream cross-section 118 - established 1981 and used through</td>
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<td>2000 - repositioned</td>
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<td>Mack clearcut stream cross-section 119 - established 1981</td>
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<td>MCC120</td>
<td>Mack clearcut stream cross-section 120 - established 1981 as furthest</td>
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<td>downstream MCC cross-section</td>
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<td>SHR000</td>
<td>Shorter stream cross-section 000 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 004 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 008 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 028 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 044 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 100P - second measurement of cross-section 100</td>
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<td>SHR100Q</td>
<td>Shorter stream cross-section 100Q - third measurement of cross-section 100</td>
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<td>SHR102</td>
<td>Shorter stream cross-section 102 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 102P - second measurement of cross-section 102</td>
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<td>SHR102Q</td>
<td>Shorter stream cross-section 102Q - third measurement of cross-section 102</td>
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<td>SHR104</td>
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<td>Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978</td>
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<td>SHR106</td>
<td>Shorter stream cross-section 106 - established 1978 and used through 1982</td>
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<td>SHR108</td>
<td>Shorter stream cross-section 108 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978</td>
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<td>Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978</td>
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<td>Shorter stream cross-section 112Q - third measurement of cross-section 112 in 1978</td>
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<td>SHR114</td>
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<td>SHR116</td>
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<td>SHR122</td>
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<td>SHR124</td>
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<td>SHR126</td>
<td>Shorter stream cross-section 126 - established 1978 and used through 1981</td>
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<td>Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126</td>
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<td>Shorter stream cross-section 126P - second measurement of cross-section 126</td>
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in 1978

SHR128 Shorter stream cross-section 128 - established 1978 and used through 1982

SHR130 Shorter stream cross-section 130 - established 1978 and used through 1982

SHR130P Shorter stream cross-section 130P - second measurement of cross-section 130 in 1978

SHR132 Shorter stream cross-section 132 - established 1978 and used through 1982

SHR132P Shorter stream cross-section 132P - second measurement of cross-section 132 in 1978

SHR134 Shorter stream cross-section 134 - established 1978 and used through 1982

SHR134P Shorter stream cross-section 134P - second measurement of cross-section 134 in 1978

SHR136 Shorter stream cross-section 136 - established 1978 and used through 1982

SHR136P Shorter stream cross-section 136P - second measurement of cross-section 136 in 1978

SHR138 Shorter stream cross-section 138 - established 1978 and used through 1982

SHR138P Shorter stream cross-section 138P - second measurement of cross-section 138 in 1978

SHR140 Shorter stream cross-section 140 - established 1978 and used through 1982

SHR140P Shorter stream cross-section 140P - second measurement of cross-section 140 in 1978

SHR142 Shorter stream cross-section 142 - established 1978 and used through 1982

SHR142P Shorter stream cross-section 142P - second measurement of cross-section 142 in 1978

SHR144 Shorter stream cross-section 144 - established 1978 and used through 1982

SHR200 Shorter stream cross-section 200 - established 1978 and used through 1982

SHR202 Shorter stream cross-section 202 - established 1978 and used through 1982

SHR203 Shorter stream cross-section 203 - established 1978 and used through 1982

SHR206 Shorter stream cross-section 206 - established 1978 and used through 1982

SHR209 Shorter stream cross-section 209 - established 1978 and used through 1982

SHR211 Shorter stream cross-section 211 - established 1978 and used through 1982

SHR212 Shorter stream cross-section 212 - established 1978 and used through 1982

SHR215 Shorter stream cross-section 215 - established 1978 and used through 1982

SHR216 Shorter stream cross-section 216 - established 1978 and used through 1982

SHR219 Shorter stream cross-section 219 - established 1978 and used through 1982

SHR221 Shorter stream cross-section 221 - established 1978 and used through 1982

SHR222 Shorter stream cross-section 222 - established 1978 and used through 1982

SHR224 Shorter stream cross-section 224 - established 1978 and used through 1982

SHR226 Shorter stream cross-section 226 - established 1978 and used through 1982

SHR229 Shorter stream cross-section 229 - established 1978 and used through 1982

SHR231 Shorter stream cross-section 231 - established 1978 and used through 1982

SHR233 Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: DBCODE
GS002  FSDB Database Code GS002

Enumerated Domain for Attribute: XSEC_CODE
COC001  Cold Creek stream cross-section 1 - established 1980 as furthest downstream
COC002  Cold Creek stream cross-section 2 - established 1980
COC003  Cold Creek stream cross-section 3 - established 1980
COC004  Cold Creek stream cross-section 4 - established 1980
COC005  Cold Creek stream cross-section 5 - established 1980
COC006  Cold Creek stream cross-section 6 - established 1980 and measured through 1995 - z-post position is compromised
COC006A Cold Creek stream cross-section 6A - established in 1996 and replaces cross-section 6
COC007 Cold Creek stream cross-section 7 - established 1980
COC008 Cold Creek stream cross-section 8 - established 1980
COC009 Cold Creek stream cross-section 9 - established 1980
COC010 Cold Creek stream cross-section 10 - established 1980
COC011 Cold Creek stream cross-section 11 - established 1980
COC012 Cold Creek stream cross-section 12 - established 1980
COC013 Cold Creek stream cross-section 13 - established 1980
COC014 Cold Creek stream cross-section 14 - established 1980
COC015 Cold Creek stream cross-section 15 - established 1980
COC016 Cold Creek stream cross-section 16 - established 1980
COC017 Cold Creek stream cross-section 17 - established 1980 as furthest upstream
COC cross-section
HAN001 Hagan Block North stream cross-section 1 - established 1981 and used through
1987 - furthest downstream cross-section above S.Fork confluence
HAN002 Hagan Block North stream cross-section 2 - established 1981 and used through
1987
HAN003 Hagan Block North stream cross-section 3 - established 1981 and used through
1987
HAN004 Hagan Block North stream cross-section 4 - established 1981 and used through
1987
HAN005 Hagan Block North stream cross-section 5 - established 1981 and used through
1987
HAN006 Hagan Block North stream cross-section 6 - established 1981 and used through
1987
HAN007 Hagan Block North stream cross-section 7 - established 1981 and used through
1987
HAN008 Hagan Block North stream cross-section 8 - established 1981 and used through
1987
HAN009 Hagan Block North stream cross-section 9 - established 1981 and used through
1987
HAN010 Hagan Block North stream cross-section 10 - established 1981 and used through
1987
HAN011 Hagan Block North stream cross-section 11 - established 1981 and used through
1987
HAN012 Hagan Block North stream cross-section 12 - established 1981 and used through
1987
HAN013 Hagan Block North stream cross-section 13 - established 1981 and used through
1987
HAN014 Hagan Block North stream cross-section 14 - established 1981 and used through
1987
HAN015 Hagan Block North stream cross-section 15 - established 1981 and used through
1987
HAN016 Hagan Block North stream cross-section 16 - established 1981 and used through
1987
HAN017 Hagan Block North stream cross-section 17 - established 1981 and used through
1987
HAN018 Hagan Block North stream cross-section 18 - established 1981 and used through
1987
HAN019 Hagan Block North stream cross-section 19 - established 1981 and used through
1987
HAN020 Hagan Block North stream cross-section 20 - established 1981 and used through
1987 - furthest upstream cross-section
HAS001 Hagan Block South stream cross-section 1 - established 1981 and used through
1986 - downstream of cross-sections 2-21 and 911-918, upstream of 105-110
and 906-909
HAS002 Hagan Block South stream cross-section 2 - established 1981 and used through
1986
HAS003  Hagan Block South stream cross-section 3 - established 1981 and used through 1986
HAS004  Hagan Block South stream cross-section 4 - established 1981 and used through 1986
HAS005  Hagan Block South stream cross-section 5 - established 1981 and used through 1986
HAS006  Hagan Block South stream cross-section 6 - established 1981 and used through 1986
HAS007  Hagan Block South stream cross-section 7 - established 1981 and used through 1986
HAS008  Hagan Block South stream cross-section 8 - established 1981 and used through 1986
HAS009  Hagan Block South stream cross-section 9 - established 1981 and used through 1986
HAS010  Hagan Block South stream cross-section 10 - established 1981 and used through 1986
HAS011  Hagan Block South stream cross-section 11 - established 1981 and used through 1986
HAS012  Hagan Block South stream cross-section 12 - established 1981 and used through 1986
HAS013  Hagan Block South stream cross-section 13 - established 1981 and used through 1986
HAS014  Hagan Block South stream cross-section 14 - established 1981 and used through 1986
HAS015  Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)
HAS015A Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys.
HAS016  Hagan Block South stream cross-section 16 - established 1981 and used through 1986
HAS017  Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018  Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019  Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020  Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021  Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022  Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS055  Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence
HAS065  Hagan Block South stream cross-section 106 - established 1982 and used through 1986
HAS007  Hagan Block South stream cross-section 107- established 1982 and used through 1986 (107A used in 1984)
HAS010A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS008  Hagan Block South stream cross-section 108- established 1982 and used through 1986
HAS010  Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS010  Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS006  Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS007  Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108
HAS008  Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS009  Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS912  Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913  Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014
HAS914  Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015
HAS916  Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017
HAS917  Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018
HAS918  Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019
LOL001  Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section
LOL002  Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A
LOL003  Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to falling trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B
LOL004  Lower Lookout stream cross-section 4 - established 1978 and used through 1995 - x-post lost
LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4
LOL005  Lower Lookout stream cross-section 5 - established 1978
LOL006  Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing
LOL007  Lower Lookout stream cross-section 7 - established 1978
LOL008  Lower Lookout stream cross-section 8 - established 1978
LOL009  Lower Lookout stream cross-section 9 - established 1978 and used through 1999 - x-post lost to tree windthrow
LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of cross-section 9 - new distance and bearing but compares well with cross-section 9
LOL010  Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows
LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10
LOL011  Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows
LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11
LOL012  Lower Lookout stream cross-section 12 - established 1978
LOL013  Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post
LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13
LOL014  Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post
LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section
LOL019  Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood
LOM001 Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section
LOM002 Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows
LOM002A Middle Lookout stream cross-section 2A - established 1996 and used through 2000 as replacement of cross-section 2 - x-post compromised to bank erosion
LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A.
LOM003 Middle Lookout stream cross-section 3 - established 1978
LOM004 Middle Lookout stream cross-section 4 - established 1978
LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows
LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5
LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion
LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011 Middle Lookout stream cross-section 11 - established 1978 as furthest downstream LOM cross-section
MAC001 Mack old-growth stream cross-section 1 - established 1978 as furthest downstream MAC cross-section
MAC002 Mack old-growth stream cross-section 2 - established 1978
MAC003 Mack old-growth stream cross-section 3 - established 1978
MAC004 Mack old-growth stream cross-section 4 - established 1978
MAC005 Mack old-growth stream cross-section 5 - established 1978
MAC006 Mack old-growth stream cross-section 6 - established 1978
MAC007 Mack old-growth stream cross-section 7 - established 1978
MAC008 Mack old-growth stream cross-section 8 - established 1978
MAC009 Mack old-growth stream cross-section 9 - established 1978
MAC010 Mack old-growth stream cross-section 10 - established 1978
MAC011 Mack old-growth stream cross-section 11 - established 1978
MAC012 Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101 Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102 Mack clearcut stream cross-section 102 - established 1981
MCC103 Mack clearcut stream cross-section 103 - established 1981
MCC104 Mack clearcut stream cross-section 104 - established 1981
MCC105 Mack clearcut stream cross-section 105 - established 1981
MCC106 Mack clearcut stream cross-section 106 - established 1981
MCC107 Mack clearcut stream cross-section 107 - established 1981
MCC108 Mack clearcut stream cross-section 108 - established 1981
MCC109 Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
MCC109A Mack clearcut stream cross-section 109A - established in 2000 as replacement for cross-section 109 - x-post moved 1.15 m downstream
MCC110 Mack clearcut stream cross-section 110 - established 1981
MCC111 Mack clearcut stream cross-section 111 - established 1981
MCC112 Mack clearcut stream cross-section 112 - established 1981 but only used 1982 and 1984
MCC112A Mack clearcut stream cross-section 112A - established in 1981 as cross-section 112, but use 112 in 1982 and 1984
MCC113 Mack clearcut stream cross-section 113 - established 1981
MCC114 Mack clearcut stream cross-section 114 - established 1981
MCC115 Mack clearcut stream cross-section 115 - established 1981
MCC116 Mack clearcut stream cross-section 116 - established 1981
MCC117 Mack clearcut stream cross-section 117 - established 1981 and used through 1982
MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement for cross-section 117
MCC118 Mack clearcut stream cross-section 118 - established 1981 and used through 2000 - repositioned
MCC118A Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119 Mack clearcut stream cross-section 119 - established 1981
MCC120 Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000 Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004 Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008 Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012 Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016 Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020 Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024 Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028 Shorter stream cross-section 028 - established 1978 and used through 1982
| SHR032  | Shorter stream cross-section 032 - established 1978 and used through 1982 |
| SHR036  | Shorter stream cross-section 036 - established 1978 and used through 1982 |
| SHR040  | Shorter stream cross-section 040 - established 1978 and used through 1982 |
| SHR044  | Shorter stream cross-section 044 - established 1978 and used through 1982 |
| SHR100  | Shorter stream cross-section 100 - established 1978 and used through 1982 |
| SHR100P | Shorter stream cross-section 100P - second measurement of cross-section 100 in 1978 |
| SHR100Q | Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978 |
| SHR102  | Shorter stream cross-section 102 - established 1978 and used through 1982 |
| SHR102P | Shorter stream cross-section 102P - second measurement of cross-section 102 in 1978 |
| SHR102Q | Shorter stream cross-section 102Q - third measurement of cross-section 102 in 1978 |
| SHR104  | Shorter stream cross-section 104 - established 1978 and used through 1982 |
| SHR104P | Shorter stream cross-section 104P - second measurement of cross-section 104 in 1978 |
| SHR104Q | Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978 |
| SHR106  | Shorter stream cross-section 106 - established 1978 and used through 1982 |
| SHR106P | Shorter stream cross-section 106P - second measurement of cross-section 106 in 1978 |
| SHR106Q | Shorter stream cross-section 106Q - third measurement of cross-section 106 in 1978 |
| SHR108  | Shorter stream cross-section 108 - established 1978 and used through 1982 |
| SHR108P | Shorter stream cross-section 108P - second measurement of cross-section 108 in 1978 |
| SHR108Q | Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978 |
| SHR110  | Shorter stream cross-section 110 - established 1978 and used through 1982 |
| SHR110P | Shorter stream cross-section 110P - second measurement of cross-section 110 in 1978 |
| SHR110Q | Shorter stream cross-section 110Q - third measurement of cross-section 110 in 1978 |
| SHR112  | Shorter stream cross-section 112 - established 1978 and used through 1982 |
| SHR112P | Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978 |
| SHR112Q | Shorter stream cross-section 112Q - third measurement of cross-section 112 in 1978 |
| SHR114  | Shorter stream cross-section 114 - established 1978 and used through 1982 |
| SHR114P | Shorter stream cross-section 114P - second measurement of cross-section 114 in 1978 |
| SHR114Q | Shorter stream cross-section 114Q - third measurement of cross-section 114 in 1978 |
| SHR116  | Shorter stream cross-section 116 - established 1978 and used through 1982 |
| SHR116P | Shorter stream cross-section 116P - second measurement of cross-section 116 in 1978 |
| SHR116Q | Shorter stream cross-section 116Q - third measurement of cross-section 116 in 1978 |
| SHR118  | Shorter stream cross-section 118 - established 1978 and used through 1982 |
| SHR118P | Shorter stream cross-section 118P - second measurement of cross-section 118 in 1978 |
| SHR118Q | Shorter stream cross-section 118Q - third measurement of cross-section 118 in 1978 |
1978

SHR120  Shorter stream cross-section 120 - established 1978 and used through 1982
SHR120P Shorter stream cross-section 120P - second measurement of cross-section 120 in 1978
SHR120Q Shorter stream cross-section 120Q - third measurement of cross-section 120 in 1978
SHR122  Shorter stream cross-section 122 - established 1978 and used through 1982
SHR122P Shorter stream cross-section 122P - second measurement of cross-section 122 in 1978
SHR122Q Shorter stream cross-section 122Q - third measurement of cross-section 122 in 1978
SHR124  Shorter stream cross-section 124 - established 1978 and used through 1982
SHR124P Shorter stream cross-section 124P - second measurement of cross-section 124 in 1978
SHR126  Shorter stream cross-section 126 - established 1978 and used through 1981
SHR126A Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126
SHR126P Shorter stream cross-section 126P - second measurement of cross-section 126 in 1978
SHR128  Shorter stream cross-section 128 - established 1978 and used through 1982
SHR130  Shorter stream cross-section 130 - established 1978 and used through 1982
SHR130P Shorter stream cross-section 130P - second measurement of cross-section 130 in 1978
SHR132  Shorter stream cross-section 132 - established 1978 and used through 1982
SHR132P Shorter stream cross-section 132P - second measurement of cross-section 132 in 1978
SHR134  Shorter stream cross-section 134 - established 1978 and used through 1982
SHR134P Shorter stream cross-section 134P - second measurement of cross-section 134 in 1978
SHR136  Shorter stream cross-section 136 - established 1978 and used through 1982
SHR136P Shorter stream cross-section 136P - second measurement of cross-section 136 in 1978
SHR138  Shorter stream cross-section 138 - established 1978 and used through 1982
SHR138P Shorter stream cross-section 138P - second measurement of cross-section 138 in 1978
SHR140  Shorter stream cross-section 140 - established 1978 and used through 1982
SHR140P Shorter stream cross-section 140P - second measurement of cross-section 140 in 1978
SHR142  Shorter stream cross-section 142 - established 1978 and used through 1982
SHR142P Shorter stream cross-section 142P - second measurement of cross-section 142 in 1978
SHR144  Shorter stream cross-section 144 - established 1978 and used through 1982
SHR200  Shorter stream cross-section 200 - established 1978 and used through 1982
SHR202  Shorter stream cross-section 202 - established 1978 and used through 1982
SHR203  Shorter stream cross-section 203 - established 1978 and used through 1982
SHR206  Shorter stream cross-section 206 - established 1978 and used through 1982
SHR209  Shorter stream cross-section 209 - established 1978 and used through 1982
SHR211  Shorter stream cross-section 211 - established 1978 and used through 1982
SHR212  Shorter stream cross-section 212 - established 1978 and used through 1982
SHR215  Shorter stream cross-section 215 - established 1978 and used through 1982
SHR216  Shorter stream cross-section 216 - established 1978 and used through 1982
SHR219  Shorter stream cross-section 219 - established 1978 and used through 1982
SHR221  Shorter stream cross-section 221 - established 1978 and used through 1982
SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D Middle Lookout stream cross-section 10D - established 2011 as replacement of
cross-section 10C

COC002A Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: DBCODE
GS002 FSDB Database Code GS002

Enumerated Domain for Attribute: MICROSITE
BANK Bank
BOULDE Boulder
COBBLE Cobble
EMBANK Embankment
GRAVEL Gravel
HILLSP Hillslope
ISLAND Island
LOG Log
SBF Summer base flow
T1 Primary terrace
T2 Secondary terrace
TERACE Terrace
TRIBU Tributary
WF Winter flow
WOOD Wood

Enumerated Domain for Attribute: DBCODE
GS002 FSDB Database Code GS002

Enumerated Domain for Attribute: DBCODE
GS002 FSDB Database Code GS002

Enumerated Domain for Attribute: DBCODE
GS002 FSDB Database Code GS002

Enumerated Domain for Attribute: XSEC_CODE
COC001 Cold Creek stream cross-section 1 - established 1980 as furthest downstream
COC cross-section
COC002 Cold Creek stream cross-section 2 - established 1980
COC003 Cold Creek stream cross-section 3 - established 1980
COC004 Cold Creek stream cross-section 4 - established 1980
COC005 Cold Creek stream cross-section 5 - established 1980
COC006 Cold Creek stream cross-section 6 - established 1980 and measured through 1995 - z-post position is compromised
COC006A Cold Creek stream cross-section 6A - established in 1996 and replaces cross-section 6
COC007 Cold Creek stream cross-section 7 - established 1980
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>COC008</td>
<td>Cold Creek stream cross-section 8 - established 1980</td>
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<td>COC009</td>
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<td>COC017</td>
<td>Cold Creek stream cross-section 17 - established 1980 as furthest upstream</td>
</tr>
<tr>
<td>HAN001</td>
<td>Hagan Block North stream cross-section 1 - established 1981 and used through</td>
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<tr>
<td>HAN002</td>
<td>Hagan Block North stream cross-section 2 - established 1981 and used through</td>
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<td>HAN019</td>
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<td>HAN020</td>
<td>Hagan Block North stream cross-section 20 - established 1981 and used through</td>
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<tr>
<td>HAS001</td>
<td>Hagan Block South stream cross-section 1 - established 1981 and used through</td>
</tr>
<tr>
<td>HAS002</td>
<td>Hagan Block South stream cross-section 2 - established 1981 and used through</td>
</tr>
<tr>
<td>HAS003</td>
<td>Hagan Block South stream cross-section 3 - established 1981 and used through</td>
</tr>
</tbody>
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HAS004 Hagan Block South stream cross-section 4 - established 1981 and used through 1986
HAS005 Hagan Block South stream cross-section 5 - established 1981 and used through 1986
HAS006 Hagan Block South stream cross-section 6 - established 1981 and used through 1986
HAS007 Hagan Block South stream cross-section 7 - established 1981 and used through 1986
HAS008 Hagan Block South stream cross-section 8 - established 1981 and used through 1986
HAS009 Hagan Block South stream cross-section 9 - established 1981 and used through 1986
HAS010 Hagan Block South stream cross-section 10 - established 1981 and used through 1986
HAS011 Hagan Block South stream cross-section 11 - established 1981 and used through 1986
HAS012 Hagan Block South stream cross-section 12 - established 1981 and used through 1986
HAS013 Hagan Block South stream cross-section 13 - established 1981 and used through 1986
HAS014 Hagan Block South stream cross-section 14 - established 1981 and used through 1986
HAS015 Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)
HAS015A Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys
HAS016 Hagan Block South stream cross-section 16 - established 1981 and used through 1986
HAS017 Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018 Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019 Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020 Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021 Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022 Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS105 Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence
HAS106 Hagan Block South stream cross-section 106 - established 1982 and used through 1986
HAS107 Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)
HAS107A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS108 Hagan Block South stream cross-section 108 - established 1982 and used through 1986
HAS109 Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS110 Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS906 Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS907 Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108
HAS908 Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS909 Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS911 Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012
HAS912 Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913  Hagan Block South stream cross-section 913 - established 1982 and used
through 1986 - between 013 and 014
HAS914  Hagan Block South stream cross-section 914 - established 1982 and used
through 1986 - between 014 and 015
HAS916  Hagan Block South stream cross-section 916 - established 1982 and used
through 1986 - between 016 and 017
HAS917  Hagan Block South stream cross-section 917 - established 1982 and used
through 1986 - between 017 and 018
HAS918  Hagan Block South stream cross-section 918 - established 1982 and used
through 1986 - between 018 and 019
LOL001  Lower Lookout stream cross-section 1 - established 1978 as furthest
downstream LOL cross-section
LOL002  Lower Lookout stream cross-section 2 - established 1978 and used through
1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through
2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of
cross-section 2A
LOL003  Lower Lookout stream cross-section 3 - established 1978 and used through
1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through
1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of
cross-section 3A - x-post lost to falling trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to
recreate x-post placement of cross-section 3B
LOL004  Lower Lookout stream cross-section 4 - established 1978 and used through
1995 - x-post lost
LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of
cross-section 4
LOL005  Lower Lookout stream cross-section 5 - established 1978
LOL006  Lower Lookout stream cross-section 6 - established 1978 and used through
1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of
cross-section 6 based on original z to x bearing
LOL007  Lower Lookout stream cross-section 7 - established 1978
LOL008  Lower Lookout stream cross-section 8 - established 1978
LOL009  Lower Lookout stream cross-section 9 - established 1978 and used through
1999 - x-post lost to tree windthrow
LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of
cross-section 9 - new distance and bearing but compares well with
cross-section 9
LOL010  Lower Lookout stream cross-section 10 - established 1978 and used through
1995 - z-post washed out by high flows
LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of
cross-section 10
LOL011  Lower Lookout stream cross-section 11 - established 1978 and used through
1995 - z-post washed out by high flows
LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of
cross-section 11
LOL012  Lower Lookout stream cross-section 12 - established 1978
LOL013  Lower Lookout stream cross-section 13 - established 1978 and used through
2000 - earth slump changed position of post
LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a
comparable replacement of cross-section 13
LOL014  Lower Lookout stream cross-section 14 - established 1978 and used through
1999 - bank erosion compromises z-post
LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of
cross-section 14 - furthest upstream LOL cross-section
LOL019  Lower Lookout stream cross-section 19 - established 2004 between post 9Z and
post 10X to capture changing gravel bar deposition from the 1996 flood
LOM001  Middle Lookout stream cross-section 1 - established 1978 as furthest upstream
LOM cross-section
LOM002 Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows
LOM002A Middle Lookout stream cross-section 2A - established 1996 and used through 2000 as replacement of cross-section 2 - x-post compromised to bank erosion
LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A
LOM003 Middle Lookout stream cross-section 3 - established 1978
LOM004 Middle Lookout stream cross-section 4 - established 1978
LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows
LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5
LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion
LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011 Middle Lookout stream cross-section 11 - established 1978 as furthest downstream LOM cross-section
MAC001 Mack old-growth stream cross-section 1 - established 1978 as furthest downstream MAC cross-section
MAC002 Mack old-growth stream cross-section 2 - established 1978
MAC003 Mack old-growth stream cross-section 3 - established 1978
MAC004 Mack old-growth stream cross-section 4 - established 1978
MAC005 Mack old-growth stream cross-section 5 - established 1978
MAC006 Mack old-growth stream cross-section 6 - established 1978
MAC007 Mack old-growth stream cross-section 7 - established 1978
MAC008 Mack old-growth stream cross-section 8 - established 1978
MAC009 Mack old-growth stream cross-section 9 - established 1978
MAC010 Mack old-growth stream cross-section 10 - established 1978
MAC011 Mack old-growth stream cross-section 11 - established 1978
MAC012 Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101 Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102 Mack clearcut stream cross-section 102 - established 1981
MCC103 Mack clearcut stream cross-section 103 - established 1981
MCC104 Mack clearcut stream cross-section 104 - established 1981
MCC105 Mack clearcut stream cross-section 105 - established 1981
MCC106 Mack clearcut stream cross-section 106 - established 1981
MCC107 Mack clearcut stream cross-section 107 - established 1981
MCC108 Mack clearcut stream cross-section 108 - established 1981
MCC109 Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
MCC109A Mack clearcut stream cross-section 109A - established in 2000 as replacement for cross-section 109 - x-post moved 1.15 m downstream
MCC110 Mack clearcut stream cross-section 110 - established 1981
MCC111 Mack clearcut stream cross-section 111 - established 1981
MCC112 Mack clearcut stream cross-section 112 - established 1981 but only used 1982 and 1984
MCC112A Mack clearcut stream cross-section 112A - established in 1981 as cross-section 112, but use 112 in 1982 and 1984
MCC113 Mack clearcut stream cross-section 113 - established 1981
MCC114 Mack clearcut stream cross-section 114 - established 1981
MCC115 Mack clearcut stream cross-section 115 - established 1981
MCC116 Mack clearcut stream cross-section 116 - established 1981
MCC117 Mack clearcut stream cross-section 117 - established 1981 and used through 1982
MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement for cross-section 117
MCC118 Mack clearcut stream cross-section 118 - established 1981 and used through 2000 - repositioned
MCC118A Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119 Mack clearcut stream cross-section 119 - established 1981
MCC120 Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000 Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004 Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008 Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012 Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016 Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020 Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024 Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028 Shorter stream cross-section 028 - established 1978 and used through 1982
SHR032 Shorter stream cross-section 032 - established 1978 and used through 1982
<table>
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<tr>
<th>Code</th>
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<td>SHR036</td>
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<td>Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978</td>
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<td>Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978</td>
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<td>Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978</td>
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<td>Shorter stream cross-section 122P - second measurement of cross-section 122 in 1978</td>
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<td>Shorter stream cross-section 122Q - third measurement of cross-section 122 in 1978</td>
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<td>Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126</td>
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SHR216  Shorter stream cross-section 216 - established 1978 and used through 1982
SHR219  Shorter stream cross-section 219 - established 1978 and used through 1982
SHR221  Shorter stream cross-section 221 - established 1978 and used through 1982
SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B  Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B  Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A  Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C  Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C  Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B  Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D  Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D  Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A  Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: REFPOST
X  X post (cross-section end point) - right side looking upstream
Z  Z post (cross-section end point) - left side looking upstream

Enumerated Domain for Attribute: DBCODE
GS002  FSDB Database Code GS002

Enumerated Domain for Attribute: XSEC_CODE
COC001  Cold Creek stream cross-section 1 - established 1980 as furthest downstream
COC002  Cold Creek stream cross-section 2 - established 1980
COC003  Cold Creek stream cross-section 3 - established 1980
COC004  Cold Creek stream cross-section 4 - established 1980
COC005  Cold Creek stream cross-section 5 - established 1980
COC006  Cold Creek stream cross-section 6 - established 1980 and measured through 1995 - z-post position is compromised
COC006A  Cold Creek stream cross-section 6A - established in 1996 and replaces cross-section 6
COC007  Cold Creek stream cross-section 7 - established 1980
COC008  Cold Creek stream cross-section 8 - established 1980
COC009  Cold Creek stream cross-section 9 - established 1980
COC010  Cold Creek stream cross-section 10 - established 1980
COC011  Cold Creek stream cross-section 11 - established 1980
COC012  Cold Creek stream cross-section 12 - established 1980
COC013  Cold Creek stream cross-section 13 - established 1980
COC014  Cold Creek stream cross-section 14 - established 1980
COC015  Cold Creek stream cross-section 15 - established 1980
COC016  Cold Creek stream cross-section 16 - established 1980
COC017  Cold Creek stream cross-section 17 - established 1980 as furthest upstream
HAN001  Hagan Block North stream cross-section 1 - established 1981 and used through 1987 - furthest downstream cross-section above S.Fork confluence
HAN002  Hagan Block North stream cross-section 2 - established 1981 and used through 1987
HAN003  Hagan Block North stream cross-section 3 - established 1981 and used through 1987
HAN004  Hagan Block North stream cross-section 4 - established 1981 and used through 1987
HAN005  Hagan Block North stream cross-section 5 - established 1981 and used through 1987
HAN006  Hagan Block North stream cross-section 6 - established 1981 and used through 1987
HAN007  Hagan Block North stream cross-section 7 - established 1981 and used through 1987
HAN008  Hagan Block North stream cross-section 8 - established 1981 and used through 1987
HAN009  Hagan Block North stream cross-section 9 - established 1981 and used through 1987
HAN010  Hagan Block North stream cross-section 10 - established 1981 and used through 1987
HAN011  Hagan Block North stream cross-section 11 - established 1981 and used through 1987
HAN012  Hagan Block North stream cross-section 12 - established 1981 and used through 1987
HAN013  Hagan Block North stream cross-section 13 - established 1981 and used through 1987
HAN014  Hagan Block North stream cross-section 14 - established 1981 and used through 1987
HAN015  Hagan Block North stream cross-section 15 - established 1981 and used through 1987
HAN016  Hagan Block North stream cross-section 16 - established 1981 and used through 1987
HAN017  Hagan Block North stream cross-section 17 - established 1981 and used through 1987
HAN018  Hagan Block North stream cross-section 18 - established 1981 and used through 1987
HAN019  Hagan Block North stream cross-section 19 - established 1981 and used through 1987
HAN020  Hagan Block North stream cross-section 20 - established 1981 and used through 1987 - furthest upstream cross-section
HAS001  Hagan Block South stream cross-section 1 - established 1981 and used through 1986 - downstream of cross-sections 2-21 and 911-918, upstream of 105-110 and 906-909
HAS002  Hagan Block South stream cross-section 2 - established 1981 and used through 1986
HAS003  Hagan Block South stream cross-section 3 - established 1981 and used through 1986
HAS004  Hagan Block South stream cross-section 4 - established 1981 and used through 1986
HAS005  Hagan Block South stream cross-section 5 - established 1981 and used through 1986
HAS006  Hagan Block South stream cross-section 6 - established 1981 and used through 1986
HAS007  Hagan Block South stream cross-section 7 - established 1981 and used through 1986
HAS008  Hagan Block South stream cross-section 8 - established 1981 and used through 1986
HAS009  Hagan Block South stream cross-section 9 - established 1981 and used through 1986
HAS010  Hagan Block South stream cross-section 10 - established 1981 and used through 1986
HAS011  Hagan Block South stream cross-section 11 - established 1981 and used through 1986
HAS012  Hagan Block South stream cross-section 12 - established 1981 and used through 1986
HAS013  Hagan Block South stream cross-section 13 - established 1981 and used through 1986
HAS014  Hagan Block South stream cross-section 14 - established 1981 and used through 1986
HAS015  Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)
HAS015A Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys
HAS016  Hagan Block South stream cross-section 16 - established 1981 and used through 1986
HAS017  Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018  Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019  Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020  Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021  Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022  Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS105  Hagan Block South stream cross-section 105 - established 1982 and used
HAS106 Hagan Block South stream cross-section 106 - established 1982 and used through 1986
HAS107 Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)
HAS107A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS108 Hagan Block South stream cross-section 108 - established 1982 and used through 1986
HAS109 Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS110 Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS906 Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS907 Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108
HAS908 Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS909 Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS911 Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012
HAS912 Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913 Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014
HAS914 Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015
HAS916 Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017
HAS917 Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018
HAS918 Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019
LOL001 Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section
LOL002 Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A
LOL003 Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to falling trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B
LOL004 Lower Lookout stream cross-section 4 - established 1978 and used through 1995 - x-post lost
LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4
LOL005 Lower Lookout stream cross-section 5 - established 1978
LOL006 Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing
LOL007 Lower Lookout stream cross-section 7 - established 1978
LOL008 Lower Lookout stream cross-section 8 - established 1978
LOL009 Lower Lookout stream cross-section 9 - established 1978 and used through
1999 - x-post lost to tree windthrow

LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of cross-section 9 - new distance and bearing but compares well with cross-section 9
LOL010 Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows
LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10
LOL011 Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows
LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11
LOL012 Lower Lookout stream cross-section 12 - established 1978
LOL013 Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post
LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13
LOL014 Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post
LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section
LOL019 Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood
LOM001 Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section
LOM002 Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows
LOM002A Middle Lookout stream cross-section 2A - established 1996 and used through 2000 as replacement of cross-section 2 - x-post compromised to bank erosion
LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A
LOM003 Middle Lookout stream cross-section 3 - established 1978
LOM004 Middle Lookout stream cross-section 4 - established 1978
LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows
LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5
LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed -
LOM010C  Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011  Middle Lookout stream cross-section 11- established 1978 as furthest downstream LOM cross-section
MAC001  Mack old-growth stream cross-section 1- established 1978 as furthest downstream MAC cross-section
MAC002  Mack old-growth stream cross-section 2- established 1978
MAC003  Mack old-growth stream cross-section 3 - established 1978
MAC004  Mack old-growth stream cross-section 4 - established 1978
MAC005  Mack old-growth stream cross-section 5 - established 1978
MAC006  Mack old-growth stream cross-section 6 - established 1978
MAC007  Mack old-growth stream cross-section 7 - established 1978
MAC008  Mack old-growth stream cross-section 8 - established 1978
MAC009  Mack old-growth stream cross-section 9 - established 1978
MAC010  Mack old-growth stream cross-section 10 - established 1978
MAC011  Mack old-growth stream cross-section 11 - established 1978
MAC012  Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101  Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102  Mack clearcut stream cross-section 102 - established 1981
MCC103  Mack clearcut stream cross-section 103 - established 1981
MCC104  Mack clearcut stream cross-section 104 - established 1981
MCC105  Mack clearcut stream cross-section 105 - established 1981
MCC106  Mack clearcut stream cross-section 106 - established 1981
MCC107  Mack clearcut stream cross-section 107 - established 1981
MCC108  Mack clearcut stream cross-section 108 - established 1981
MCC109  Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
MCC109A  Mack clearcut stream cross-section 109A - established in 2000 as replacement for cross-section 109 - x-post moved 1.15 m downstream
MCC110  Mack clearcut stream cross-section 110 - established 1981
MCC111  Mack clearcut stream cross-section 111 - established 1981
MCC112  Mack clearcut stream cross-section 112 - established 1981 but only used 1982 and 1984
MCC112A  Mack clearcut stream cross-section 112A - established in 1981 as cross-section 112, but use 112 in 1982 and 1984
MCC113  Mack clearcut stream cross-section 113 - established 1981
MCC114  Mack clearcut stream cross-section 114 - established 1981
MCC115  Mack clearcut stream cross-section 115 - established 1981
MCC116  Mack clearcut stream cross-section 116 - established 1981
MCC117  Mack clearcut stream cross-section 117 - established 1981 and used through
1982

MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement for cross-section 117
MCC118 Mack clearcut stream cross-section 118 - established 1981 and used through 2000 - repositioned
MCC118A Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119 Mack clearcut stream cross-section 119 - established 1981
MCC120 Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000 Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004 Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008 Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012 Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016 Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020 Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024 Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028 Shorter stream cross-section 028 - established 1978 and used through 1982
SHR032 Shorter stream cross-section 032 - established 1978 and used through 1982
SHR036 Shorter stream cross-section 036 - established 1978 and used through 1982
SHR040 Shorter stream cross-section 040 - established 1978 and used through 1982
SHR044 Shorter stream cross-section 044 - established 1978 and used through 1982
SHR100 Shorter stream cross-section 100 - established 1978 and used through 1982
SHR100P Shorter stream cross-section 100P - second measurement of cross-section 100 in 1978
SHR100Q Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978
SHR102 Shorter stream cross-section 102 - established 1978 and used through 1982
SHR102P Shorter stream cross-section 102P - second measurement of cross-section 102 in 1978
SHR102Q Shorter stream cross-section 102Q - third measurement of cross-section 102 in 1978
SHR104 Shorter stream cross-section 104 - established 1978 and used through 1982
SHR104P Shorter stream cross-section 104P - second measurement of cross-section 104 in 1978
SHR104Q Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978
SHR106 Shorter stream cross-section 106 - established 1978 and used through 1982
SHR106P Shorter stream cross-section 106P - second measurement of cross-section 106 in 1978
SHR106Q Shorter stream cross-section 106Q - third measurement of cross-section 106 in 1978
SHR108 Shorter stream cross-section 108 - established 1978 and used through 1982
SHR108P Shorter stream cross-section 108P - second measurement of cross-section 108 in 1978
SHR108Q Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978
SHR110 Shorter stream cross-section 110 - established 1978 and used through 1982
SHR110P Shorter stream cross-section 110P - second measurement of cross-section 110 in 1978
SHR110Q Shorter stream cross-section 110Q - third measurement of cross-section 110 in 1978
SHR112 Shorter stream cross-section 112 - established 1978 and used through 1982
SHR112P Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978
SHR112Q Shorter stream cross-section 112Q - third measurement of cross-section 112 in 1978
SHR114 Shorter stream cross-section 114 - established 1978 and used through 1982
SHR114P Shorter stream cross-section 114P - second measurement of cross-section 114 in 1978
SHR114Q Shorter stream cross-section 114Q - third measurement of cross-section 114 in 1978
SHR116 Shorter stream cross-section 116 - established 1978 and used through 1982
SHR116P Shorter stream cross-section 116P - second measurement of cross-section 116 in 1978
SHR116Q Shorter stream cross-section 116Q - third measurement of cross-section 116 in 1978
SHR118 Shorter stream cross-section 118 - established 1978 and used through 1982
SHR118P Shorter stream cross-section 118P - second measurement of cross-section 118 in 1978
SHR118Q Shorter stream cross-section 118Q - third measurement of cross-section 118 in 1978
SHR120 Shorter stream cross-section 120 - established 1978 and used through 1982
SHR120P Shorter stream cross-section 120P - second measurement of cross-section 120 in 1978
SHR120Q Shorter stream cross-section 120Q - third measurement of cross-section 120 in 1978
SHR122 Shorter stream cross-section 122 - established 1978 and used through 1982
SHR122P Shorter stream cross-section 122P - second measurement of cross-section 122 in 1978
SHR122Q Shorter stream cross-section 122Q - third measurement of cross-section 122 in 1978
SHR124 Shorter stream cross-section 124 - established 1978 and used through 1982
SHR124P Shorter stream cross-section 124P - second measurement of cross-section 124 in 1978
SHR126 Shorter stream cross-section 126 - established 1978 and used through 1981
SHR126A Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126
SHR126P Shorter stream cross-section 126P - second measurement of cross-section 126 in 1978
SHR128 Shorter stream cross-section 128 - established 1978 and used through 1982
SHR130 Shorter stream cross-section 130 - established 1978 and used through 1982
SHR130P Shorter stream cross-section 130P - second measurement of cross-section 130 in 1978
SHR132 Shorter stream cross-section 132 - established 1978 and used through 1982
SHR132P Shorter stream cross-section 132P - second measurement of cross-section 132 in 1978
SHR134 Shorter stream cross-section 134 - established 1978 and used through 1982
SHR134P Shorter stream cross-section 134P - second measurement of cross-section 134 in 1978
SHR136 Shorter stream cross-section 136 - established 1978 and used through 1982
SHR136P Shorter stream cross-section 136P - second measurement of cross-section 136
in 1978

SHR138  Shorter stream cross-section 138 - established 1978 and used through 1982
SHR138P Shorter stream cross-section 138P - second measurement of cross-section 138 in 1978
SHR140  Shorter stream cross-section 140 - established 1978 and used through 1982
SHR140P Shorter stream cross-section 140P - second measurement of cross-section 140 in 1978
SHR142  Shorter stream cross-section 142 - established 1978 and used through 1982
SHR142P Shorter stream cross-section 142P - second measurement of cross-section 142 in 1978
SHR144  Shorter stream cross-section 144 - established 1978 and used through 1982
SHR200  Shorter stream cross-section 200 - established 1978 and used through 1982
SHR202  Shorter stream cross-section 202 - established 1978 and used through 1982
SHR203  Shorter stream cross-section 203 - established 1978 and used through 1982
SHR206  Shorter stream cross-section 206 - established 1978 and used through 1982
SHR209  Shorter stream cross-section 209 - established 1978 and used through 1982
SHR211  Shorter stream cross-section 211 - established 1978 and used through 1982
SHR212  Shorter stream cross-section 212 - established 1978 and used through 1982
SHR215  Shorter stream cross-section 215 - established 1978 and used through 1982
SHR216  Shorter stream cross-section 216 - established 1978 and used through 1982
SHR219  Shorter stream cross-section 219 - established 1978 and used through 1982
SHR221  Shorter stream cross-section 221 - established 1978 and used through 1982
SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL019C Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: DBCODE
GS002  FSDB Database Code GS002

Enumerated Domain for Attribute: XSEC_CODE
COC001 Cold Creek stream cross-section 1 - established 1980 as furthest downstream
COC002 Cold Creek stream cross-section 2 - established 1980
COC003 Cold Creek stream cross-section 3 - established 1980
COC004 Cold Creek stream cross-section 4 - established 1980
COC005 Cold Creek stream cross-section 5 - established 1980
COC006 Cold Creek stream cross-section 6 - established 1980 and measured through 1995 - z-post position is compromised
COC006A Cold Creek stream cross-section 6A - established in 1996 and replaces cross-section 6
COC007 Cold Creek stream cross-section 7 - established 1980
COC008 Cold Creek stream cross-section 8 - established 1980
COC009 Cold Creek stream cross-section 9 - established 1980
COC010 Cold Creek stream cross-section 10 - established 1980
COC011 Cold Creek stream cross-section 11 - established 1980
COC012 Cold Creek stream cross-section 12 - established 1980
COC013 Cold Creek stream cross-section 13 - established 1980
COC014 Cold Creek stream cross-section 14 - established 1980
COC015 Cold Creek stream cross-section 15 - established 1980
COC016 Cold Creek stream cross-section 16 - established 1980
COC017 Cold Creek stream cross-section 17 - established 1980 as furthest upstream
COC cross-section
HAN001 Hagan Block North stream cross-section 1 - established 1981 and used through
1987 - furthest downstream cross-section above S.Fork confluence
HAN002 Hagan Block North stream cross-section 2 - established 1981 and used through
1987
HAN003 Hagan Block North stream cross-section 3 - established 1981 and used through
1987
HAN004 Hagan Block North stream cross-section 4 - established 1981 and used through
1987
HAN005 Hagan Block North stream cross-section 5 - established 1981 and used through
1985
HAN006 Hagan Block North stream cross-section 6 - established 1981 and used through
1987
HAN007 Hagan Block North stream cross-section 7 - established 1981 and used through
1987
HAN008 Hagan Block North stream cross-section 8 - established 1981 and used through
1987
HAN009 Hagan Block North stream cross-section 9 - established 1981 and used through
1987
HAN010 Hagan Block North stream cross-section 10 - established 1981 and used through
1987
HAN011 Hagan Block North stream cross-section 11 - established 1981 and used through
1987
HAN012 Hagan Block North stream cross-section 12 - established 1981 and used through
1987
HAN013 Hagan Block North stream cross-section 13 - established 1981 and used through
1987
HAN014 Hagan Block North stream cross-section 14 - established 1981 and used through
1987
HAN015 Hagan Block North stream cross-section 15 - established 1981 and used through
1987
HAN016 Hagan Block North stream cross-section 16 - established 1981 and used through
1987
HAN017 Hagan Block North stream cross-section 17 - established 1981 and used through
1987
HAN018 Hagan Block North stream cross-section 18 - established 1981 and used through
1987
HAN019 Hagan Block North stream cross-section 19 - established 1981 and used through
1987
HAN020 Hagan Block North stream cross-section 20 - established 1981 and used through
1987 - furthest upstream cross-section
HAS001 Hagan Block South stream cross-section 1 - established 1981 and used through
1986 - downstream of cross-sections 2-21 and 911-918, upstream of 105-110 and 906-909
HAS002 Hagan Block South stream cross-section 2 - established 1981 and used through
1986
HAS003 Hagan Block South stream cross-section 3 - established 1981 and used through
1986
HAS004 Hagan Block South stream cross-section 4 - established 1981 and used through
1986
HAS005 Hagan Block South stream cross-section 5 - established 1981 and used through
1986
HAS006 Hagan Block South stream cross-section 6 - established 1981 and used through
1986
HAS007 Hagan Block South stream cross-section 7 - established 1981 and used through
1986
HAS008 Hagan Block South stream cross-section 8 - established 1981 and used through
1986
HAS009 Hagan Block South stream cross-section 9 - established 1981 and used through
1986
HAS010 Hagan Block South stream cross-section 10 - established 1981 and used through
1986
HAS011 Hagan Block South stream cross-section 11 - established 1981 and used through
1986
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAS012</td>
<td>Hagan Block South stream cross-section 12 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS013</td>
<td>Hagan Block South stream cross-section 13 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS014</td>
<td>Hagan Block South stream cross-section 14 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS015</td>
<td>Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)</td>
</tr>
<tr>
<td>HAS015A</td>
<td>Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys</td>
</tr>
<tr>
<td>HAS016</td>
<td>Hagan Block South stream cross-section 16 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS017</td>
<td>Hagan Block South stream cross-section 17 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS018</td>
<td>Hagan Block South stream cross-section 18 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS019</td>
<td>Hagan Block South stream cross-section 19 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS020</td>
<td>Hagan Block South stream cross-section 20 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS021</td>
<td>Hagan Block South stream cross-section 21 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS022</td>
<td>Hagan Block South stream cross-section 22 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS105</td>
<td>Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence</td>
</tr>
<tr>
<td>HAS106</td>
<td>Hagan Block South stream cross-section 106 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS107</td>
<td>Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)</td>
</tr>
<tr>
<td>HAS107A</td>
<td>Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107</td>
</tr>
<tr>
<td>HAS108</td>
<td>Hagan Block South stream cross-section 108 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS109</td>
<td>Hagan Block South stream cross-section 109 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS110</td>
<td>Hagan Block South stream cross-section 110 - established 1982 and used through 1986</td>
</tr>
<tr>
<td>HAS906</td>
<td>Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107</td>
</tr>
<tr>
<td>HAS907</td>
<td>Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108</td>
</tr>
<tr>
<td>HAS908</td>
<td>Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109</td>
</tr>
<tr>
<td>HAS909</td>
<td>Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110</td>
</tr>
<tr>
<td>HAS911</td>
<td>Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012</td>
</tr>
<tr>
<td>HAS912</td>
<td>Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013</td>
</tr>
<tr>
<td>HAS913</td>
<td>Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014</td>
</tr>
<tr>
<td>HAS914</td>
<td>Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015</td>
</tr>
<tr>
<td>HAS916</td>
<td>Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017</td>
</tr>
<tr>
<td>HAS917</td>
<td>Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018</td>
</tr>
<tr>
<td>HAS918</td>
<td>Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019</td>
</tr>
<tr>
<td>LOL001</td>
<td>Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section</td>
</tr>
<tr>
<td>LOL002</td>
<td>Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion</td>
</tr>
<tr>
<td>LOL002A</td>
<td>Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows</td>
</tr>
</tbody>
</table>
Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A

Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost

Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post

Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to falling trees

Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B

Lower Lookout stream cross-section 4 - established 1978 and used through 1995 - x-post lost

Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4

Lower Lookout stream cross-section 5 - established 1978

Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood

Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing

Lower Lookout stream cross-section 7 - established 1978

Lower Lookout stream cross-section 8 - established 1978

Lower Lookout stream cross-section 9 - established 1978 and used through 1999 - x-post lost to tree windthrow

Lower Lookout stream cross-section 9A - established 2000 as replacement of cross-section 9 - new distance and bearing but compares well with cross-section 9

Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows

Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10

Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows

Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11

Lower Lookout stream cross-section 12 - established 1978

Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post

Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13

Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post

Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section

Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood

Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section

Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows

Middle Lookout stream cross-section 2A - established 1996 and used through 2000 as replacement of cross-section 2 - x-post compromised to bank erosion

Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A

Middle Lookout stream cross-section 3 - established 1978

Middle Lookout stream cross-section 4 - established 1978

Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows

Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5

Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion
LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011 Middle Lookout stream cross-section 11 - established 1978 as furthest downstream LOM cross-section
MAC001 Mack old-growth stream cross-section 1 - established 1978 as furthest downstream MAC cross-section
MAC002 Mack old-growth stream cross-section 2 - established 1978
MAC003 Mack old-growth stream cross-section 3 - established 1978
MAC004 Mack old-growth stream cross-section 4 - established 1978
MAC005 Mack old-growth stream cross-section 5 - established 1978
MAC006 Mack old-growth stream cross-section 6 - established 1978
MAC007 Mack old-growth stream cross-section 7 - established 1978
MAC008 Mack old-growth stream cross-section 8 - established 1978
MAC009 Mack old-growth stream cross-section 9 - established 1978
MAC010 Mack old-growth stream cross-section 10 - established 1978
MAC011 Mack old-growth stream cross-section 11 - established 1978
MAC012 Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101 Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102 Mack clearcut stream cross-section 102 - established 1981
MCC103 Mack clearcut stream cross-section 103 - established 1981
MCC104 Mack clearcut stream cross-section 104 - established 1981
MCC105 Mack clearcut stream cross-section 105 - established 1981
MCC106 Mack clearcut stream cross-section 106 - established 1981
MCC107 Mack clearcut stream cross-section 107 - established 1981
MCC108 Mack clearcut stream cross-section 108 - established 1981
MCC109 Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
MCC109A Mack clearcut stream cross-section 109A - established in 2000 as replacement for cross-section 109 - x-post moved 1.15 m downstream
MCC110 Mack clearcut stream cross-section 110 - established 1981
MCC111 Mack clearcut stream cross-section 111 - established 1981
MCC112 Mack clearcut stream cross-section 112 - established 1981 but only used 1982 and 1984
MCC112A Mack clearcut stream cross-section 112A - established in 1981 as cross-section 112, but use 112 in 1982 and 1984
MCC113 Mack clearcut stream cross-section 113 - established 1981
MCC114 Mack clearcut stream cross-section 114 - established 1981
MCC115 Mack clearcut stream cross-section 115 - established 1981
MCC116 Mack clearcut stream cross-section 116 - established 1981
MCC117 Mack clearcut stream cross-section 117 - established 1981 and used through 1982
MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement for cross-section 117
MCC118 Mack clearcut stream cross-section 118 - established 1981 and used through 2000 - repositioned
MCC118A Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119 Mack clearcut stream cross-section 119 - established 1981
MCC120 Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000 Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004 Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008 Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012 Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016 Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020 Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024 Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028 Shorter stream cross-section 028 - established 1978 and used through 1982
SHR032 Shorter stream cross-section 032 - established 1978 and used through 1982
SHR036 Shorter stream cross-section 036 - established 1978 and used through 1982
SHR040 Shorter stream cross-section 040 - established 1978 and used through 1982
SHR044 Shorter stream cross-section 044 - established 1978 and used through 1982
SHR100 Shorter stream cross-section 100 - established 1978 and used through 1982
SHR100P Shorter stream cross-section 100P - second measurement of cross-section 100 in 1978
SHR100Q Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978
SHR102 Shorter stream cross-section 102 - established 1978 and used through 1982
SHR102P Shorter stream cross-section 102P - second measurement of cross-section 102
in 1978

SHR102Q  Shorter stream cross-section 102Q - third measurement of cross-section 102 in 1978
SHR104  Shorter stream cross-section 104 - established 1978 and used through 1982
SHR104P  Shorter stream cross-section 104P - second measurement of cross-section 104 in 1978
SHR104Q  Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978
SHR106  Shorter stream cross-section 106 - established 1978 and used through 1982
SHR106P  Shorter stream cross-section 106P - second measurement of cross-section 106 in 1978
SHR106Q  Shorter stream cross-section 106Q - third measurement of cross-section 106 in 1978
SHR108  Shorter stream cross-section 108 - established 1978 and used through 1982
SHR108P  Shorter stream cross-section 108P - second measurement of cross-section 108 in 1978
SHR108Q  Shorter stream cross-section 108Q - third measurement of cross-section 108 in 1978
SHR110  Shorter stream cross-section 110 - established 1978 and used through 1982
SHR110P  Shorter stream cross-section 110P - second measurement of cross-section 110 in 1978
SHR110Q  Shorter stream cross-section 110Q - third measurement of cross-section 110 in 1978
SHR112  Shorter stream cross-section 112 - established 1978 and used through 1982
SHR112P  Shorter stream cross-section 112P - second measurement of cross-section 112 in 1978
SHR112Q  Shorter stream cross-section 112Q - third measurement of cross-section 112 in 1978
SHR114  Shorter stream cross-section 114 - established 1978 and used through 1982
SHR114P  Shorter stream cross-section 114P - second measurement of cross-section 114 in 1978
SHR114Q  Shorter stream cross-section 114Q - third measurement of cross-section 114 in 1978
SHR116  Shorter stream cross-section 116 - established 1978 and used through 1982
SHR116P  Shorter stream cross-section 116P - second measurement of cross-section 116 in 1978
SHR116Q  Shorter stream cross-section 116Q - third measurement of cross-section 116 in 1978
SHR118  Shorter stream cross-section 118 - established 1978 and used through 1982
SHR118P  Shorter stream cross-section 118P - second measurement of cross-section 118 in 1978
SHR118Q  Shorter stream cross-section 118Q - third measurement of cross-section 118 in 1978
SHR120  Shorter stream cross-section 120 - established 1978 and used through 1982
SHR120P  Shorter stream cross-section 120P - second measurement of cross-section 120 in 1978
SHR120Q  Shorter stream cross-section 120Q - third measurement of cross-section 120 in 1978
SHR122  Shorter stream cross-section 122 - established 1978 and used through 1982
SHR122P  Shorter stream cross-section 122P - second measurement of cross-section 122 in 1978
SHR122Q  Shorter stream cross-section 122Q - third measurement of cross-section 122 in 1978
SHR124  Shorter stream cross-section 124 - established 1978 and used through 1982
SHR124P  Shorter stream cross-section 124P - second measurement of cross-section 124
in 1978

SHR126  Shorter stream cross-section 126 - established 1978 and used through 1981
SHR126A Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126
SHR126P Shorter stream cross-section 126P - second measurement of cross-section 126 in 1978
SHR128  Shorter stream cross-section 128 - established 1978 and used through 1982
SHR130  Shorter stream cross-section 130 - established 1978 and used through 1982
SHR130P Shorter stream cross-section 130P - second measurement of cross-section 130 in 1978
SHR132  Shorter stream cross-section 132 - established 1978 and used through 1982
SHR132P Shorter stream cross-section 132P - second measurement of cross-section 132 in 1978
SHR134  Shorter stream cross-section 134 - established 1978 and used through 1982
SHR134P Shorter stream cross-section 134P - second measurement of cross-section 134 in 1978
SHR136  Shorter stream cross-section 136 - established 1978 and used through 1982
SHR136P Shorter stream cross-section 136P - second measurement of cross-section 136 in 1978
SHR138  Shorter stream cross-section 138 - established 1978 and used through 1982
SHR138P Shorter stream cross-section 138P - second measurement of cross-section 138 in 1978
SHR140  Shorter stream cross-section 140 - established 1978 and used through 1982
SHR140P Shorter stream cross-section 140P - second measurement of cross-section 140 in 1978
SHR142  Shorter stream cross-section 142 - established 1978 and used through 1982
SHR142P Shorter stream cross-section 142P - second measurement of cross-section 142 in 1978
SHR144  Shorter stream cross-section 144 - established 1978 and used through 1982
SHR200  Shorter stream cross-section 200 - established 1978 and used through 1982
SHR202  Shorter stream cross-section 202 - established 1978 and used through 1982
SHR203  Shorter stream cross-section 203 - established 1978 and used through 1982
SHR206  Shorter stream cross-section 206 - established 1978 and used through 1982
SHR209  Shorter stream cross-section 209 - established 1978 and used through 1982
SHR211  Shorter stream cross-section 211 - established 1978 and used through 1982
SHR212  Shorter stream cross-section 212 - established 1978 and used through 1982
SHR215  Shorter stream cross-section 215 - established 1978 and used through 1982
SHR216  Shorter stream cross-section 216 - established 1978 and used through 1982
SHR219  Shorter stream cross-section 219 - established 1978 and used through 1982
SHR221  Shorter stream cross-section 221 - established 1978 and used through 1982
SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246  Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250  Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306  Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313  Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318  Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321  Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327  Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330  Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338  Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340  Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348  Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354  Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall

Enumerated Domain for Attribute: CHANCODE
NA  No channel code is applicable
BF  Bank full
EC  Edge of channel
EW  Edge of water (main channel)

Enumerated Domain for Attribute: CLASS
0  Class not assigned
1 Slope: Measured point is on slope **used only on Shorter Creek**

2 Bankful channel: Measured point is in bankful channel **used only on Shorter Creek**

3 Edge point where slope and upper end of bankful channel meet (1+2) **used only on Shorter Creek**

4 Active channel: Measured point is in active channel **used only on Shorter Creek**

5 Edge point where slope and active channel meet (no bankful channel present) (1+4) **used only on Shorter Creek**

6 Edge point where bankful channel and active channel meet (2+4) **used only on Shorter Creek**

Enumerated Domain for Attribute: HSTAGE
H Indicates highest level point for comparative x-section analysis
Stage comparison point not assigned

Enumerated Domain for Attribute: OTHERCODE
NA No other channel or substrate codes apply
BF Bank full
BL Boulder
CB Cobble
EW Edge of water (main channel)
GR Gravel
LG Log ( > 10 cm diameter )
LI Litter
TR Trail
FS Fine sediment
UC Undercut bank
TB Tributary
RB Rebar
EC Edge of channel

Enumerated Domain for Attribute: DBCODE
GS002 FSDB Database Code GS002

Enumerated Domain for Attribute: SUBSTRATE
NR Not recorded
BL Boulder
BR Bedrock
CB Cobble
FO Fine organics
FS Fine sediment
GR Gravel
IB Eye-bolt/bedrock
LG Log ( > 10 cm diameter)
LI Litter
LS Suspended log
MS Bare mineral soil / colluvium
OD Organic debris ( < 10 cm diameter)
OS Suspended organic debris
RW Rootwad / stump
TF Turf / grass
TR Trail
WS Water surface (for recording elevation of water; rod held at water surface) field crew was using code WSE water surface elevation

Enumerated Domain for Attribute: XSEC_CODE
COC001 Cold Creek stream cross-section 1 - established 1980 as furthest downstream
COC002 Cold Creek stream cross-section 2 - established 1980
COC003 Cold Creek stream cross-section 3 - established 1980
COC004 Cold Creek stream cross-section 4 - established 1980
COC005 Cold Creek stream cross-section 5 - established 1980
COC006 Cold Creek stream cross-section 6 - established 1980 and measured through 1995 - z-post position is compromised
COC006A Cold Creek stream cross-section 6A - established in 1996 and replaces cross-section 6
COC007 Cold Creek stream cross-section 7 - established 1980
COC008 Cold Creek stream cross-section 8 - established 1980
COC009 Cold Creek stream cross-section 9 - established 1980
COC010 Cold Creek stream cross-section 10 - established 1980
COC011 Cold Creek stream cross-section 11 - established 1980
COC012 Cold Creek stream cross-section 12 - established 1980
COC013 Cold Creek stream cross-section 13 - established 1980
COC014 Cold Creek stream cross-section 14 - established 1980
COC015 Cold Creek stream cross-section 15 - established 1980
COC016 Cold Creek stream cross-section 16 - established 1980
COC017 Cold Creek stream cross-section 17 - established 1980 as furthest upstream
HAN001 Hagan Block North stream cross-section 1 - established 1981 and used through 1987 - furthest downstream cross-section above S.Fork confluence
HAN002 Hagan Block North stream cross-section 2 - established 1981 and used through 1987
HAN003 Hagan Block North stream cross-section 3 - established 1981 and used through 1987
HAN004 Hagan Block North stream cross-section 4 - established 1981 and used through 1987
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAN005</td>
<td>Hagan Block North stream cross-section 5 - established 1981 and used through 1985</td>
</tr>
<tr>
<td>HAN006</td>
<td>Hagan Block North stream cross-section 6 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN007</td>
<td>Hagan Block North stream cross-section 7 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN008</td>
<td>Hagan Block North stream cross-section 8 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN009</td>
<td>Hagan Block North stream cross-section 9 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN010</td>
<td>Hagan Block North stream cross-section 10 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN011</td>
<td>Hagan Block North stream cross-section 11 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN012</td>
<td>Hagan Block North stream cross-section 12 - established 1981 and used through 1987</td>
</tr>
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<td>HAN013</td>
<td>Hagan Block North stream cross-section 13 - established 1981 and used through 1987</td>
</tr>
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<td>HAN014</td>
<td>Hagan Block North stream cross-section 14 - established 1981 and used through 1987</td>
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<td>HAN015</td>
<td>Hagan Block North stream cross-section 15 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN016</td>
<td>Hagan Block North stream cross-section 16 - established 1981 and used through 1987</td>
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<tr>
<td>HAN017</td>
<td>Hagan Block North stream cross-section 17 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN018</td>
<td>Hagan Block North stream cross-section 18 - established 1981 and used through 1987</td>
</tr>
<tr>
<td>HAN019</td>
<td>Hagan Block North stream cross-section 19 - established 1981 and used through 1987</td>
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<tr>
<td>HAN020</td>
<td>Hagan Block North stream cross-section 20 - established 1981 and used through 1987 - furthest upstream cross-section</td>
</tr>
<tr>
<td>HAS001</td>
<td>Hagan Block South stream cross-section 1 - established 1981 and used through 1986 - downstream of cross-sections 2-21 and 911-918, upstream of 105-110 and 906-909</td>
</tr>
<tr>
<td>HAS002</td>
<td>Hagan Block South stream cross-section 2 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS003</td>
<td>Hagan Block South stream cross-section 3 - established 1981 and used through 1986</td>
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<tr>
<td>HAS004</td>
<td>Hagan Block South stream cross-section 4 - established 1981 and used through 1986</td>
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<td>HAS005</td>
<td>Hagan Block South stream cross-section 5 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS006</td>
<td>Hagan Block South stream cross-section 6 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS007</td>
<td>Hagan Block South stream cross-section 7 - established 1981 and used through 1986</td>
</tr>
<tr>
<td>HAS008</td>
<td>Hagan Block South stream cross-section 8 - established 1981 and used through 1986</td>
</tr>
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<td>HAS009</td>
<td>Hagan Block South stream cross-section 9 - established 1981 and used through 1986</td>
</tr>
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<td>HAS010</td>
<td>Hagan Block South stream cross-section 10 - established 1981 and used through 1986</td>
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<td>HAS011</td>
<td>Hagan Block South stream cross-section 11 - established 1981 and used through 1986</td>
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<tr>
<td>HAS012</td>
<td>Hagan Block South stream cross-section 12 - established 1981 and used through 1986</td>
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<tr>
<td>HAS013</td>
<td>Hagan Block South stream cross-section 13 - established 1981 and used through 1986</td>
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<tr>
<td>HAS014</td>
<td>Hagan Block South stream cross-section 14 - established 1981 and used through 1986</td>
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<tr>
<td>HAS015</td>
<td>Hagan Block South stream cross-section 15 - established 1981 and used through 1986 (15A used in 1984)</td>
</tr>
<tr>
<td>HAS015A</td>
<td>Hagan Block South stream cross-section 15A - 1984 only - must have surveyed to wrong posts. The survey is 560 cm too long and the profile does not look like the previous or post surveys</td>
</tr>
<tr>
<td>HAS016</td>
<td>Hagan Block South stream cross-section 16 - established 1981 and used</td>
</tr>
</tbody>
</table>
HAS017 Hagan Block South stream cross-section 17 - established 1981 and used through 1986
HAS018 Hagan Block South stream cross-section 18 - established 1981 and used through 1986
HAS019 Hagan Block South stream cross-section 19 - established 1981 and used through 1986
HAS020 Hagan Block South stream cross-section 20 - established 1982 and used through 1986
HAS021 Hagan Block South stream cross-section 21 - established 1982 and used through 1986
HAS022 Hagan Block South stream cross-section 22 - established 1982 and used through 1986
HAS105 Hagan Block South stream cross-section 105 - established 1982 and used through 1986 - furthest downstream cross-section above N.Fork confluence
HAS106 Hagan Block South stream cross-section 106 - established 1982 and used through 1986
HAS107 Hagan Block South stream cross-section 107 - established 1982 and used through 1986 (107A used in 1984)
HAS107A Hagan Block South stream cross-section 107A - 1984 only replacement for cross-section 107
HAS108 Hagan Block South stream cross-section 108 - established 1982 and used through 1986
HAS109 Hagan Block South stream cross-section 109 - established 1982 and used through 1986
HAS110 Hagan Block South stream cross-section 110 - established 1982 and used through 1986
HAS906 Hagan Block South stream cross-section 906 - established 1982 and used through 1986 - between 106 and 107
HAS907 Hagan Block South stream cross-section 907 - established 1982 and used through 1986 - between 107 and 108
HAS908 Hagan Block South stream cross-section 908 - established 1982 and used through 1986 - between 108 and 109
HAS909 Hagan Block South stream cross-section 909 - established 1982 and used through 1986 - between 109 and 110
HAS911 Hagan Block South stream cross-section 911 - established 1982 and used through 1986 - between 011 and 012
HAS912 Hagan Block South stream cross-section 912 - established 1982 and used through 1986 - between 012 and 013
HAS913 Hagan Block South stream cross-section 913 - established 1982 and used through 1986 - between 013 and 014
HAS914 Hagan Block South stream cross-section 914 - established 1982 and used through 1986 - between 014 and 015
HAS916 Hagan Block South stream cross-section 916 - established 1982 and used through 1986 - between 016 and 017
HAS917 Hagan Block South stream cross-section 917 - established 1982 and used through 1986 - between 017 and 018
HAS918 Hagan Block South stream cross-section 918 - established 1982 and used through 1986 - between 018 and 019
LOL001 Lower Lookout stream cross-section 1 - established 1978 as furthest downstream LOL cross-section
LOL002 Lower Lookout stream cross-section 2 - established 1978 and used through 1999 - z-post lost to bank erosion
LOL002A Lower Lookout stream cross-section 2A - established 2000 and used through 2005 as replacement of cross-section 2 - z-post washed out by high flows
LOL002B Lower Lookout stream cross-section 2B - established in 2006 as replacement of cross-section 2A
LOL003 Lower Lookout stream cross-section 3 - established 1978 and used through 1995 - z-post lost
LOL003A Lower Lookout stream cross-section 3A - established 1996 and used through 1998 as replacement of cross-section 3 - bank erosion compromises z-post
LOL003B Lower Lookout stream cross-section 3B - established 1999 as replacement of cross-section 3A - x-post lost to falling trees
LOL003C Lower Lookout stream cross-section 3C - re-established 2006 and surveyed to recreate x-post placement of cross-section 3B
LOL004 Lower Lookout stream cross-section 4 - established 1978 and used through
1995 - x-post lost

LOL004A Lower Lookout stream cross-section 4A - established 1996 as replacement of cross-section 4
LOL005 Lower Lookout stream cross-section 5 - established 1978
LOL006 Lower Lookout stream cross-section 6 - established 1978 and used through 1995 - x-post lost in flood
LOL006A Lower Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6 based on original z to x bearing
LOL007 Lower Lookout stream cross-section 7 - established 1978
LOL008 Lower Lookout stream cross-section 8 - established 1978
LOL009 Lower Lookout stream cross-section 9 - established 1978 and used through 1999 - x-post lost to tree windthrow
LOL009A Lower Lookout stream cross-section 9A - established 2000 as replacement of cross-section 9 - new distance and bearing but compares well with cross-section 9
LOL010 Lower Lookout stream cross-section 10 - established 1978 and used through 1995 - z-post washed out by high flows
LOL010A Lower Lookout stream cross-section 10A - established 1996 as replacement of cross-section 10
LOL011 Lower Lookout stream cross-section 11 - established 1978 and used through 1995 - z-post washed out by high flows
LOL011A Lower Lookout stream cross-section 11A - established 1996 as replacement of cross-section 11
LOL012 Lower Lookout stream cross-section 12 - established 1978
LOL013 Lower Lookout stream cross-section 13 - established 1978 and used through 2000 - earth slump changed position of post
LOL013A Lower Lookout stream cross-section 13A - re-established in 2002 as a comparable replacement of cross-section 13
LOL014 Lower Lookout stream cross-section 14 - established 1978 and used through 1999 - bank erosion compromises z-post
LOL014A Lower Lookout stream cross-section 14A - established 2000 as replacement of cross-section 14 - furthest upstream LOL cross-section
LOL019 Lower Lookout stream cross-section 19 - established 2004 between post 9Z and post 10X to capture changing gravel bar deposition from the 1996 flood
LOM001 Middle Lookout stream cross-section 1 - established 1978 as furthest upstream LOM cross-section
LOM002 Middle Lookout stream cross-section 2 - established 1978 and used through 1995 - z-post washed out by high flows
LOM002A Middle Lookout stream cross-section 2A - established 1996 as replacement of cross-section 2 - x-post compromised to bank erosion
LOM002B Middle Lookout stream cross-section 2B - established 2002 as comparable replacement of cross-section 2A
LOM003 Middle Lookout stream cross-section 3 - established 1978
LOM004 Middle Lookout stream cross-section 4 - established 1978
LOM005 Middle Lookout stream cross-section 5 - established 1978 and used through 1995 - x-post washed out by high flows
LOM005A Middle Lookout stream cross-section 5A - established 1996 as replacement of cross-section 5
LOM006 Middle Lookout stream cross-section 6 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM006A Middle Lookout stream cross-section 6A - established 1996 as replacement of cross-section 6
LOM007 Middle Lookout stream cross-section 7 - established 1978 and used through 1995 - z-post washed out by high flows
LOM007A Middle Lookout stream cross-section 7A - established 1996 as replacement of cross-section 7
LOM008 Middle Lookout stream cross-section 8 - established 1978 and used through 1995 - x or z-post washed out by high flows
LOM008A Middle Lookout stream cross-section 8A - established 1996 as replacement of cross-section 8
LOM009 Middle Lookout stream cross-section 9 - established 1978 and used through 1985 - alignment of cross-section changes for unknown reason
LOM009A Middle Lookout stream cross-section 9A - established 1986 and used through 1995 as replacement of cross-section 9 - x-post lost to bank erosion
LOM009B Middle Lookout stream cross-section 9B - established 1996 and used through 2005 as replacement of cross-section 9A - x-post lost during high flows
LOM009C Middle Lookout stream cross-section 9C - established 2006 as replacement of cross-section 9B
LOM010 Middle Lookout stream cross-section 10 - established 1978 and used through 1995 - x-post washed out by high flows
LOM010A Middle Lookout stream cross-section 10A - established 1996 and used through 1999 as replacement of cross-section 10 - x-post lost to bank erosion
LOM010B Middle Lookout stream cross-section 10B - established 2000 and used through 2005 as replacement of cross-section 10A with both end points changed - x-post lost to bank erosion
LOM010C Middle Lookout stream cross-section 10C - established 2006 as replacement of cross-section 10B
LOM011 Middle Lookout stream cross-section 11 - established 1978 as furthest downstream LOM cross-section
MAC001 Mack old-growth stream cross-section 1 - established 1978 as furthest downstream MAC cross-section
MAC002 Mack old-growth stream cross-section 2 - established 1978
MAC003 Mack old-growth stream cross-section 3 - established 1978
MAC004 Mack old-growth stream cross-section 4 - established 1978
MAC005 Mack old-growth stream cross-section 5 - established 1978
MAC006 Mack old-growth stream cross-section 6 - established 1978
MAC007 Mack old-growth stream cross-section 7 - established 1978
MAC008 Mack old-growth stream cross-section 8 - established 1978
MAC009 Mack old-growth stream cross-section 9 - established 1978
MAC010 Mack old-growth stream cross-section 10 - established 1978
MAC011 Mack old-growth stream cross-section 11 - established 1978
MAC012 Mack old-growth stream cross-section 12 - established 1978 as furthest upstream MAC cross-section
MCC101 Mack clearcut stream cross-section 101 - established 1981 as furthest upstream MCC cross-section and below gauging station
MCC102 Mack clearcut stream cross-section 102 - established 1981
MCC103 Mack clearcut stream cross-section 103 - established 1981
MCC104 Mack clearcut stream cross-section 104 - established 1981
MCC105 Mack clearcut stream cross-section 105 - established 1981
MCC106 Mack clearcut stream cross-section 106 - established 1981
MCC107 Mack clearcut stream cross-section 107 - established 1981
MCC108 Mack clearcut stream cross-section 108 - established 1981
MCC109 Mack clearcut stream cross-section 109 - established 1981 and used through 2000 - repositioned to avoid tree affecting survey
MCC109A Mack clearcut stream cross-section 109A - established in 2000 as replacement for cross-section 109 - x-post moved 1.15 m downstream
MCC110 Mack clearcut stream cross-section 110 - established 1981
MCC111 Mack clearcut stream cross-section 111 - established 1981
MCC112 Mack clearcut stream cross-section 112 - established 1981 but only used 1982 and 1984
MCC112A Mack clearcut stream cross-section 112A - established in 1981 as cross-section 112, but use 112 in 1982 and 1984
MCC113 Mack clearcut stream cross-section 113 - established 1981
MCC114 Mack clearcut stream cross-section 114 - established 1981
MCC115 Mack clearcut stream cross-section 115 - established 1981
MCC116 Mack clearcut stream cross-section 116 - established 1981
MCC117 Mack clearcut stream cross-section 117 - established 1981 and used through 1982
MCC117A Mack clearcut stream cross-section 117A - established in 1984 as replacement for cross-section 117
MCC118 Mack clearcut stream cross-section 118 - established 1981 and used through 2000 - repositioned
MCC118A Mack clearcut stream cross-section 118A - established in 2000 as replacement for cross-section 118
MCC119 Mack clearcut stream cross-section 119 - established 1981
MCC120 Mack clearcut stream cross-section 120 - established 1981 as furthest downstream MCC cross-section
SHR000 Shorter stream cross-section 000 - established 1978 and used through 1982 as furthest downstream Shorter cross-section
SHR004 Shorter stream cross-section 004 - established 1978 and used through 1982
SHR008 Shorter stream cross-section 008 - established 1978 and used through 1982
SHR012 Shorter stream cross-section 012 - established 1978 and used through 1982
SHR016 Shorter stream cross-section 016 - established 1978 and used through 1982
SHR020 Shorter stream cross-section 020 - established 1978 and used through 1982
SHR024 Shorter stream cross-section 024 - established 1978 and used through 1982
SHR028 Shorter stream cross-section 028 - established 1978 and used through 1982
SHR032 Shorter stream cross-section 032 - established 1978 and used through 1982
SHR036 Shorter stream cross-section 036 - established 1978 and used through 1982
SHR040 Shorter stream cross-section 040 - established 1978 and used through 1982
SHR044 Shorter stream cross-section 044 - established 1978 and used through 1982
SHR100 Shorter stream cross-section 100 - established 1978 and used through 1982
SHR100P Shorter stream cross-section 100P - second measurement of cross-section 100 in 1978
SHR100Q Shorter stream cross-section 100Q - third measurement of cross-section 100 in 1978
SHR102 Shorter stream cross-section 102 - established 1978 and used through 1982
SHR102P Shorter stream cross-section 102P - second measurement of cross-section 102 in 1978
SHR102Q Shorter stream cross-section 102Q - third measurement of cross-section 102 in 1978
SHR104 Shorter stream cross-section 104 - established 1978 and used through 1982
SHR104P Shorter stream cross-section 104P - second measurement of cross-section 104 in 1978
SHR104Q Shorter stream cross-section 104Q - third measurement of cross-section 104 in 1978
SHR106 Shorter stream cross-section 106 - established 1978 and used through 1982
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>SHR106P</td>
<td>Shorter stream cross-section 106P - second measurement of cross-section 106</td>
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<td>SHR108</td>
<td>Shorter stream cross-section 108 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 108P - second measurement of cross-section 108 in</td>
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<td>SHR108Q</td>
<td>Shorter stream cross-section 108Q - third measurement of cross-section 108 in</td>
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<td>SHR110</td>
<td>Shorter stream cross-section 110 - established 1978 and used through 1982</td>
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<td>SHR112</td>
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<td>SHR114</td>
<td>Shorter stream cross-section 114 - established 1978 and used through 1982</td>
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<td>Shorter stream cross-section 126A - established 1982 as replacement of cross-section 126</td>
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<td>SHR128</td>
<td>Shorter stream cross-section 128 - established 1978 and used through 1982</td>
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<td>SHR130</td>
<td>Shorter stream cross-section 130 - established 1978 and used through 1982</td>
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<td>SHR130P</td>
<td>Shorter stream cross-section 130P - second measurement of cross-section 130</td>
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</tbody>
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in 1978

SHR132  Shorter stream cross-section 132 - established 1978 and used through 1982
SHR132P Shorter stream cross-section 132P - second measurement of cross-section 132 in 1978
SHR134  Shorter stream cross-section 134 - established 1978 and used through 1982
SHR134P Shorter stream cross-section 134P - second measurement of cross-section 134 in 1978
SHR136  Shorter stream cross-section 136 - established 1978 and used through 1982
SHR136P Shorter stream cross-section 136P - second measurement of cross-section 136 in 1978
SHR138  Shorter stream cross-section 138 - established 1978 and used through 1982
SHR138P Shorter stream cross-section 138P - second measurement of cross-section 138 in 1978
SHR140  Shorter stream cross-section 140 - established 1978 and used through 1982
SHR140P Shorter stream cross-section 140P - second measurement of cross-section 140 in 1978
SHR142  Shorter stream cross-section 142 - established 1978 and used through 1982
SHR142P Shorter stream cross-section 142P - second measurement of cross-section 142 in 1978
SHR144  Shorter stream cross-section 144 - established 1978 and used through 1982
SHR200  Shorter stream cross-section 200 - established 1978 and used through 1982
SHR202  Shorter stream cross-section 202 - established 1978 and used through 1982
SHR203  Shorter stream cross-section 203 - established 1978 and used through 1982
SHR206  Shorter stream cross-section 206 - established 1978 and used through 1982
SHR209  Shorter stream cross-section 209 - established 1978 and used through 1982
SHR211  Shorter stream cross-section 211 - established 1978 and used through 1982
SHR212  Shorter stream cross-section 212 - established 1978 and used through 1982
SHR215  Shorter stream cross-section 215 - established 1978 and used through 1982
SHR216  Shorter stream cross-section 216 - established 1978 and used through 1982
SHR219  Shorter stream cross-section 219 - established 1978 and used through 1982
SHR221  Shorter stream cross-section 221 - established 1978 and used through 1982
SHR222  Shorter stream cross-section 222 - established 1978 and used through 1982
SHR224  Shorter stream cross-section 224 - established 1978 and used through 1982
SHR226  Shorter stream cross-section 226 - established 1978 and used through 1982
SHR229  Shorter stream cross-section 229 - established 1978 and used through 1982
SHR231  Shorter stream cross-section 231 - established 1978 and used through 1982
SHR233  Shorter stream cross-section 233 - established 1978 and used through 1982
SHR236  Shorter stream cross-section 236 - established 1978 and used through 1982
SHR240  Shorter stream cross-section 240 - established 1978 and used through 1982
SHR244  Shorter stream cross-section 244 - established for 1982 only
SHR246 Shorter stream cross-section 246 - established 1978 and used through 1980
SHR250 Shorter stream cross-section 250 - established 1978 and used through 1982
SHR306 Shorter stream cross-section 306 - established 1978 and used through 1982
SHR313 Shorter stream cross-section 313 - established 1978 and used through 1982
SHR318 Shorter stream cross-section 318 - established 1978 and used through 1982
SHR321 Shorter stream cross-section 321 - established 1978 and used through 1982
SHR327 Shorter stream cross-section 327 - established 1978 and used through 1982
SHR330 Shorter stream cross-section 330 - established 1978 and used through 1982
SHR338 Shorter stream cross-section 338 - established 1978 and used through 1982
SHR340 Shorter stream cross-section 340 - established 1978 and used through 1982
SHR348 Shorter stream cross-section 348 - established 1978 and used through 1982
SHR354 Shorter stream cross-section 354 - established 1978 and used through 1982
LOL010B Lower Lookout stream cross-section 10B - established 2009 as replacement of 10A - now shares x-post with 11B and 19A
LOL011B Lower Lookout stream cross-section 11B - established 2009 as replacement of 11A and now shares x-post with 10B and 19A
LOL019A Lower Lookout stream cross-section 19A - established in 2009 as replacement of 19 and now shares x-post with 10B and 11B
LOL010C Lower Lookout stream cross-section 10C - established 2011 as replacement of 10B - no longer shares x-post with 11B and 19A
LOL011C Lower Lookout stream cross-section 11C - established 2011 as replacement of 11B - no longer shares x-post with 10B and 19A
LOL019B Lower Lookout stream cross-section 19B - established in 2011 as replacement of 19A - no longer shares x-post with 10B and 11B
LOM009D Middle Lookout stream cross-section 9D - established 2011 as replacement of cross-section 9C
LOM010D Middle Lookout stream cross-section 10D - established 2011 as replacement of cross-section 10C
COC002A Cold Creek stream cross-section 2A - established 2011 as a replacement of cross-section 2 - X-post is reset due to tree fall