

## References Decoder

### Sorted by Code

| Code | Author(s)                    | Date |
|------|------------------------------|------|
| m001 | Carroll, CJ, <i>et al.</i>   | 1999 |
| m002 | Carrara, PE                  | 2000 |
| m003 | Carrara, PE                  | 2001 |
| m004 | Scott, RB, <i>et al.</i>     | 2002 |
| m005 | Yeend, WE, Donnell, JR       | 1964 |
| m006 | Donnell, JR, <i>et al.</i>   | 1986 |
| m007 | Donnell, JR, <i>et al.</i>   | 1989 |
| m008 | Scott, RB, Shroba, RR        | 1997 |
| m009 | Scott, RB, <i>et al.</i>     | 2001 |
| m010 | Shroba, RR, Scott, RB        | 2001 |
| m011 | Izett, GA, Barclay, CSV      | 1973 |
| m012 | Streufert, RK, <i>et al.</i> | 2009 |
| m013 | Streufert, RK, <i>et al.</i> | 1998 |
| m014 | Kirkham, RM, <i>et al.</i>   | 1998 |
| m015 | Kirkham, RM, <i>et al.</i>   | 1997 |
| m016 | Noe, DC, Rodgers, EL         | 2014 |
| m017 | White, JL, <i>et al.</i>     | 2014 |
| m018 | Carroll, CJ, <i>et al.</i>   | 2014 |
| m019 | Noe, DC, <i>et al.</i> 1     | 2015 |
| m020 | Noe, DC                      | 2015 |
| m021 | Noe, DC, <i>et al.</i> 2     | 2015 |
| m022 | Noe, DC, Zawaski, MJ         | 2013 |
| m023 | Noe, DC, <i>et al.</i>       | 2013 |
| m024 | Hodge, J, <i>et al.</i>      | 2016 |
| m025 | Noe, DC, <i>et al.</i>       | 2007 |
| m026 | Morgan, <i>et al.</i>        | 2007 |
| m027 | Morgan, ML, <i>et al.</i>    | 2008 |
| m028 | Noe, DC, <i>et al.</i> 3     | 2015 |
| m029 | Hail, WJ                     | 1989 |
| m030 | Case, JE                     | 1991 |
| m031 | Scott, GR, Sharp, WN         | 1975 |
| m032 | Kellogg, KS, <i>et al.</i>   | 2017 |
| m033 | Tweto, O, <i>et al.</i>      | 1978 |
| m034 | Kirkham, RM, Widmann, BL     | 2008 |
| m035 | Streufert, RK                | 2008 |
| m036 | Lidke, DJ                    | 2002 |
| m037 | Schroeder, DA                | 1995 |
| m038 | Shroba, RR, <i>et al.</i>    | 2002 |
| m039 | Izett, GA                    | 1974 |
| m040 | Young, EJ                    | 1990 |
| m041 | Madole, RF                   | 1991 |
| m042 | Gaskill, DL, <i>et al.</i>   | 1986 |
| m043 | Gaskill, DL, <i>et al.</i>   | 1991 |
| m044 | Stork, A, <i>et al.</i>      | 2006 |
| m045 | Stork, <i>et al.</i>         | 2007 |
| m046 | Scott, RB, <i>et al.</i>     | 2001 |
| m047 | Fridrich, CJ, <i>et al.</i>  | 1998 |
| m048 | Berry, ME, <i>et al.</i> 1   | 2015 |
| m049 | Berry, ME, <i>et al.</i> 2   | 2015 |
| m050 | Berry, ME, <i>et al.</i> 1   | 2018 |
| m051 | Berry, ME, <i>et al.</i> 2   | 2018 |
| m052 | Palkovic, MJ, Morgan, ML     | 2017 |
| m053 | Colton, RB, Brandt, TR       | 1976 |
| m054 | Braddock, WA, Cole, JC       | 1978 |
| m055 | Hail, WJ                     | 1987 |
| m056 | Braddock, WA, <i>et al.</i>  | 1988 |
| m057 | Cole, JC, Braddock, WA       | 2000 |
| m058 | Widmann, BL, <i>et al.</i>   | 2007 |
| m059 | Kirkham, RM, <i>et al.</i>   | 2006 |
| m060 | Kirkham, RM, <i>et al.</i>   | 2007 |

### Sorted by Author

| Code | Author(s)                   | Date |
|------|-----------------------------|------|
| r17  | Atwood, WW, Mather, KF      | 1932 |
| m115 | Barkmann, PE, <i>et al.</i> | 2015 |
| m073 | Beach, BW                   | 1983 |
| m074 | Beach, BW                   | 1983 |
| m048 | Berry, ME, <i>et al.</i> 1  | 2015 |
| m050 | Berry, ME, <i>et al.</i> 1  | 2018 |
| m049 | Berry, ME, <i>et al.</i> 2  | 2015 |
| m051 | Berry, ME, <i>et al.</i> 2  | 2018 |
| r18  | Blackwelder, E              | 1915 |
| m062 | Bohannan, RG, Ruleman, CA   | 2009 |
| m054 | Braddock, WA, Cole, JC      | 1978 |
| m143 | Braddock, WA, Cole, JC      | 1990 |
| m056 | Braddock, WA, <i>et al.</i> | 1988 |
| m133 | Braddock, WA, <i>et al.</i> | 1988 |
| m097 | Bush, AL, <i>et al.</i>     | 1959 |
| m002 | Carrara, PE                 | 2000 |
| m003 | Carrara, PE                 | 2001 |
| m103 | Carrara, PE                 | 1980 |
| m001 | Carroll, CJ, <i>et al.</i>  | 1999 |
| m018 | Carroll, CJ, <i>et al.</i>  | 2014 |
| m030 | Case, JE                    | 1991 |
| m099 | Cater, FW                   | 1954 |
| m057 | Cole, JC, Braddock, WA      | 2000 |
| r13  | Cole, RD, Sexton, JL        | 1981 |
| m053 | Colton, RB, Brandt, TR      | 1976 |
| m140 | Coogan, JC, <i>et al.</i>   | 2005 |
| m105 | Cullins, HL                 | 1971 |
| m106 | Cullins, HL                 | 1968 |
| m142 | Dickinson, RG               | 1965 |
| r21  | Dickinson, RG               | 1965 |
| m101 | Doelling, HH                | 2002 |
| m006 | Donnell, JR, <i>et al.</i>  | 1986 |
| m007 | Donnell, JR, <i>et al.</i>  | 1989 |
| m113 | Dyni, JR                    | 1968 |
| m135 | Ellis, MS, Freeman, VL      | 1984 |
| m137 | Ellis, MS, Gabaldo, V       | 1989 |
| m061 | Epic, RC, <i>et al.</i>     | 1979 |
| r19  | Eschman, DF                 | 1955 |
| m141 | Fish-n-Map Co.              | 2018 |
| m047 | Fridrich, CJ, <i>et al.</i> | 1998 |
| m080 | Fridrich, CJ, Kirkham, RM   | 2007 |
| m042 | Gaskill, DL, <i>et al.</i>  | 1986 |
| m043 | Gaskill, DL, <i>et al.</i>  | 1991 |
| m092 | Gonzalez, DA, <i>et al.</i> | 2008 |
| m136 | Gualtieri, JL               | 2004 |
| m029 | Hail, WJ                    | 1989 |
| m055 | Hail, WJ                    | 1987 |
| r22  | Hail, WJ                    | 1965 |
| m096 | Haynes, DD, <i>et al.</i>   | 1972 |
| m024 | Hodge, J, <i>et al.</i>     | 2016 |
| m145 | Hunt                        | 1945 |
| m039 | Izett, GA                   | 1974 |
| m011 | Izett, GA, Barclay, CSV     | 1973 |
| m110 | Izett, GA, Wilcox, RE       | 1982 |
| m078 | Johnson, RB                 | 1969 |
| m032 | Kellogg, KS, <i>et al.</i>  | 2017 |
| m066 | Kellogg, KS, <i>et al.</i>  | 2008 |
| r02  | Kellogg, KS, <i>et al.</i>  | 2016 |
| m121 | Kinney, DM                  | 1970 |
| m122 | Kinney, DM                  | 1970 |

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| Code | Author(s)                 | Date |
|------|---------------------------|------|
| m061 | Epic, RC, et al.          | 1979 |
| m062 | Bohannon, RG,Ruleman, CA  | 2009 |
| m063 | Lindvall, RM              | 1978 |
| m064 | Lindvall, RM              | 1980 |
| m065 | Shroba, RR                | 1980 |
| m066 | Kellogg, KS, et al.       | 2008 |
| m067 | Scott, GR, et al.         | 1978 |
| m068 | Scott, GR                 | 1964 |
| m069 | Scott, GR                 | 1972 |
| m070 | Moore, DW, et al.         | 2001 |
| m071 | Moore, DW, et al.         | 2002 |
| m072 | Scott, GR                 | 1977 |
| m073 | Beach, BW                 | 1983 |
| m074 | Beach, BW                 | 1983 |
| m075 | Lindsey, DA               | 1995 |
| m076 | Vine, JD                  | 1974 |
| m077 | Pillmore, CL              | 2003 |
| m078 | Johnson, RB               | 1969 |
| m079 | Thompson, RA, et al.      | 2015 |
| m080 | Fridrich, CJ, Kirkham, RM | 2007 |
| m081 | Scott, GR                 | 1985 |
| m082 | Kirkham, RM, et al.       | 2003 |
| m083 | Wallace, AR, Machette, MN | 2008 |
| m084 | Lipman, PW, Steven, TA    | 1976 |
| m085 | Shroba, RR, Thompson, RA  | 1996 |
| m086 | Lipman, PW                | 1976 |
| m087 | Steven, TA, Ratté, JC     | 1973 |
| m088 | Steven, TA, Lipman, PW    | 1973 |
| m089 | Lipman, PW                | 2006 |
| m090 | Steven,TA                 | 1967 |
| m091 | Steven, TA, et al.        | 1974 |
| m092 | Gonzalez, DA, et al.      | 2008 |
| m093 | Moore, DW, Scott, GR      | 1995 |
| m094 | Kirkham, RM, et al.       | 2000 |
| m095 | Kirkham, RM, et al.       | 1999 |
| m096 | Haynes, DD, et al.        | 1972 |
| m097 | Bush, AL, et al.          | 1959 |
| m098 | Sinnock, S                | 2014 |
| m099 | Cater, FW                 | 1954 |
| m100 | Williams, PL              | 1964 |
| m101 | Doelling, HH              | 2002 |
| m102 | Utah Geological Survey    | 2018 |
| m103 | Carrara, PE               | 1980 |
| m104 | Sprinkel DA               | 2007 |
| m105 | Cullins, HL               | 1971 |
| m106 | Cullins, HL               | 1968 |
| m107 | White, JL, Hodge, J       | 2013 |
| m108 | Madole, RF                | 1989 |
| m109 | White, JL, et al.         | 2013 |
| m110 | Izett, GA, Wilcox, RE     | 1982 |
| m111 | McCalpin, JP, et al.      | 2012 |
| m112 | Rowley, PF, et al.        | 1979 |
| m113 | Dyni, JR                  | 1968 |
| m114 | Morgan, ML, et al.        | 2014 |
| m115 | Barkmann, PE, et al.      | 2015 |
| m116 | Madole, RF                | 1982 |
| m117 | Tweto, O                  | 1976 |
| m118 | Noe, DC, et al. 4         | 2015 |
| m119 | Madole, RF                | 1991 |
| m120 | Noe, DC, et al. 3         | 2013 |
| m121 | Kinney, DM                | 1970 |

| Code | Author(s)                | Date |
|------|--------------------------|------|
| m126 | Kinney, DM               | 1971 |
| m125 | Kinney, DM, et al.       | 1970 |
| m124 | Kinney, DM, Hail WJ      | 1970 |
| m123 | Kinney, DM, Hail, WJ     | 1970 |
| m014 | Kirkham, RM, et al.      | 1998 |
| m015 | Kirkham, RM, et al.      | 1997 |
| m059 | Kirkham, RM, et al.      | 2006 |
| m060 | Kirkham, RM, et al.      | 2007 |
| m082 | Kirkham, RM, et al.      | 2003 |
| m094 | Kirkham, RM, et al.      | 2000 |
| m095 | Kirkham, RM, et al.      | 1999 |
| m034 | Kirkham, RM, Widmann, BL | 2008 |
| m036 | Lidke, DJ                | 2002 |
| m075 | Lindsey, DA              | 1995 |
| m063 | Lindvall, RM             | 1978 |
| m064 | Lindvall, RM             | 1980 |
| m086 | Lipman, PW               | 1976 |
| m089 | Lipman, PW               | 2006 |
| m148 | Lipman, PW               | 2012 |
| m084 | Lipman, PW, Steven, TA   | 1976 |
| m041 | Madole, RF               | 1991 |
| m108 | Madole, RF               | 1989 |
| m116 | Madole, RF               | 1982 |
| m119 | Madole, RF               | 1991 |
| m134 | Madole, RF, et al.       | 1998 |
| m144 | Malde, HE                | 1955 |
| m111 | McCalpin, JP, et al.     | 2012 |
| r03  | McElroy, JR              | 1953 |
| r20  | Miser, HD                | 1912 |
| m070 | Moore, DW, et al.        | 2001 |
| m071 | Moore, DW, et al.        | 2002 |
| m093 | Moore, DW, Scott, GR     | 1995 |
| m026 | Morgan, et al.           | 2007 |
| m027 | Morgan, ML, et al.       | 2008 |
| m114 | Morgan, ML, et al.       | 2014 |
| r05  | National Park Service    | 2018 |
| m020 | Noe, DC                  | 2015 |
| m023 | Noe, DC, et al.          | 2013 |
| m025 | Noe, DC, et al.          | 2007 |
| m019 | Noe, DC, et al. 1        | 2015 |
| m021 | Noe, DC, et al. 2        | 2015 |
| m028 | Noe, DC, et al. 3        | 2015 |
| m120 | Noe, DC, et al. 2        | 2013 |
| m118 | Noe, DC, et al. 4        | 2015 |
| m016 | Noe, DC, Rodgers, EL     | 2014 |
| m022 | Noe, DC, Zawaski, MJ     | 2013 |
| m149 | Olson, JC, Steven, TA    | 1976 |
| m150 | Olson, JC, Steven, TA    | 1976 |
| m052 | Palkovic, MJ, Morgan, ML | 2017 |
| r06  | Pierce, KL               | 1979 |
| r07  | Pierce, KL               | 2003 |
| m077 | Pillmore, CL             | 2003 |
| r16  | Repka, JL, et al.        | 1997 |
| r10  | Richmond, G.M.           | 1962 |
| r11  | Richmond, G.M.           | 1965 |
| r14  | Robinson, CH, Dea, PA    | 1981 |
| m112 | Rowley, PF, et al.       | 1979 |
| m037 | Schroeder, DA            | 1995 |
| m068 | Scott, GR                | 1964 |
| m069 | Scott, GR                | 1972 |
| m072 | Scott, GR                | 1977 |

## References Decoder

| Code | Author(s)              | Date |
|------|------------------------|------|
| m122 | Kinney, DM             | 1970 |
| m123 | Kinney, DM, Hail, WJ   | 1970 |
| m124 | Kinney, DM, Hail WJ    | 1970 |
| m125 | Kinney, DM, et al.     | 1970 |
| m126 | Kinney, DM             | 1971 |
| m127 | Snyder, GL, et al.     | 1987 |
| m128 | Snyder, GL             | 1980 |
| m129 | Snyder, GL             | 1980 |
| m130 | Snyder, GL             | 1980 |
| m131 | Wrucke, CT, Wilson, RF | 1967 |
| m132 | Trimble, DE            | 1975 |
| m133 | Braddock, WA, et al.   | 1988 |
| m134 | Madole, RF, et al.     | 1998 |
| m135 | Ellis, MS, Freeman, VL | 1984 |
| m136 | Gualtieri, JL          | 2004 |
| m137 | Ellis, MS, Gabaldo, V  | 1989 |
| m138 | Scott, JE, et al.      | 2011 |
| m139 | Ward, AW               | 1990 |
| m140 | Coogan, JC, et al.     | 2005 |
| m141 | Fish-n-Map Co.         | 2018 |
| m142 | Dickinson, RG          | 1965 |
| m143 | Braddock, WA, Cole, JC | 1990 |
| m144 | Malde, HE              | 1955 |
| m145 | Hunt                   | 1945 |
| m146 | Van Alstine, RE        | 1974 |
| m147 | Van Alstine, RE        | 1969 |
| m148 | Lipman, PW             | 2012 |
| m149 | Olson, JC, Steven, TA  | 1976 |
| m150 | Olson, JC, Steven, TA  | 1976 |
| r00  | Sinnock, S             | 2019 |
| r01  | Sinnock, S             | 1978 |
| r02  | Kellogg, KS, et al.    | 2016 |
| r03  | McElroy, JR            | 1953 |
| r04  | Yeend, WE              | 1969 |
| r05  | National Park Service  | 2018 |
| r06  | Pierce, KL             | 1979 |
| r07  | Pierce, KL             | 2003 |
| r08  | Soreghan, GS, et al.   | 2015 |
| r09  | Sinnock, S             | 1981 |
| r10  | Richmond, G.M.         | 1962 |
| r11  | Richmond, G.M.         | 1965 |
| r12  | Scott, GR, Moore, DW   | 2007 |
| r13  | Cole, RD, Sexton, JL   | 1981 |
| r14  | Robinson, CH, Dea, PA  | 1981 |
| r15  | Sinnock, S             | 1981 |
| r16  | Repka, JL, et al.      | 1997 |
| r17  | Atwood, WW, Mather, KF | 1932 |
| r18  | Blackwelder, E         | 1915 |
| r19  | Eschman, DF            | 1955 |
| r20  | Miser, HD              | 1912 |
| r21  | Dickinson, RG          | 1965 |
| r22  | Hail, WJ               | 1965 |

| Code | Author(s)                 | Date |
|------|---------------------------|------|
| m081 | Scott, GR                 | 1985 |
| m067 | Scott, GR, et al.         | 1978 |
| r12  | Scott, GR, Moore, DW      | 2007 |
| m031 | Scott, GR, Sharp, WN      | 1975 |
| m138 | Scott, JE, et al.         | 2011 |
| m004 | Scott, RB, et al.         | 2002 |
| m009 | Scott, RB, et al.         | 2001 |
| m046 | Scott, RB, et al.         | 2001 |
| m008 | Scott, RB, Shroba, RR     | 1997 |
| m065 | Shroba, RR                | 1980 |
| m038 | Shroba, RR, et al.        | 2002 |
| m010 | Shroba, RR, Scott, RB     | 2001 |
| m085 | Shroba, RR, Thompson, RA  | 1996 |
| m098 | Sinnock, S                | 2014 |
| r00  | Sinnock, S                | 2019 |
| r01  | Sinnock, S                | 1978 |
| r09  | Sinnock, S                | 1981 |
| r15  | Sinnock, S                | 1981 |
| m128 | Snyder, GL                | 1980 |
| m129 | Snyder, GL                | 1980 |
| m130 | Snyder, GL                | 1980 |
| m127 | Snyder, GL, et al.        | 1987 |
| r08  | Soreghan, GS, et al.      | 2015 |
| m104 | Sprinkel DA               | 2007 |
| m091 | Steven, TA, et al.        | 1974 |
| m088 | Steven, TA, Lipman, PW    | 1973 |
| m087 | Steven, TA, Ratté, JC     | 1973 |
| m090 | Steven, TA                | 1967 |
| m044 | Stork, A, et al.          | 2006 |
| m045 | Stork, et al.             | 2007 |
| m035 | Streufert, RK             | 2008 |
| m012 | Streufert, RK, et al.     | 2009 |
| m013 | Streufert, RK, et al.     | 1998 |
| m079 | Thompson, RA, et al.      | 2015 |
| m132 | Trimble, DE               | 1975 |
| m117 | Tweto, O                  | 1976 |
| m033 | Tweto, O, et al.          | 1978 |
| m102 | Utah Geological Survey    | 2018 |
| m146 | Van Alstine, RE           | 1974 |
| m147 | Van Alstine, RE           | 1969 |
| m076 | Vine, JD                  | 1974 |
| m083 | Wallace, AR, Machette, MN | 2008 |
| m139 | Ward, AW                  | 1990 |
| m017 | White, JL, et al.         | 2014 |
| m109 | White, JL, et al.         | 2013 |
| m107 | White, JL, Hodge, J       | 2013 |
| m058 | Widmann, BL, et al.       | 2007 |
| m100 | Williams, PL              | 1964 |
| m131 | Wrucke, CT, Wilson, RF    | 1967 |
| r04  | Yeend, WE                 | 1969 |
| m005 | Yeend, WE, Donnell, JR    | 1964 |
| m040 | Young, EJ                 | 1990 |