

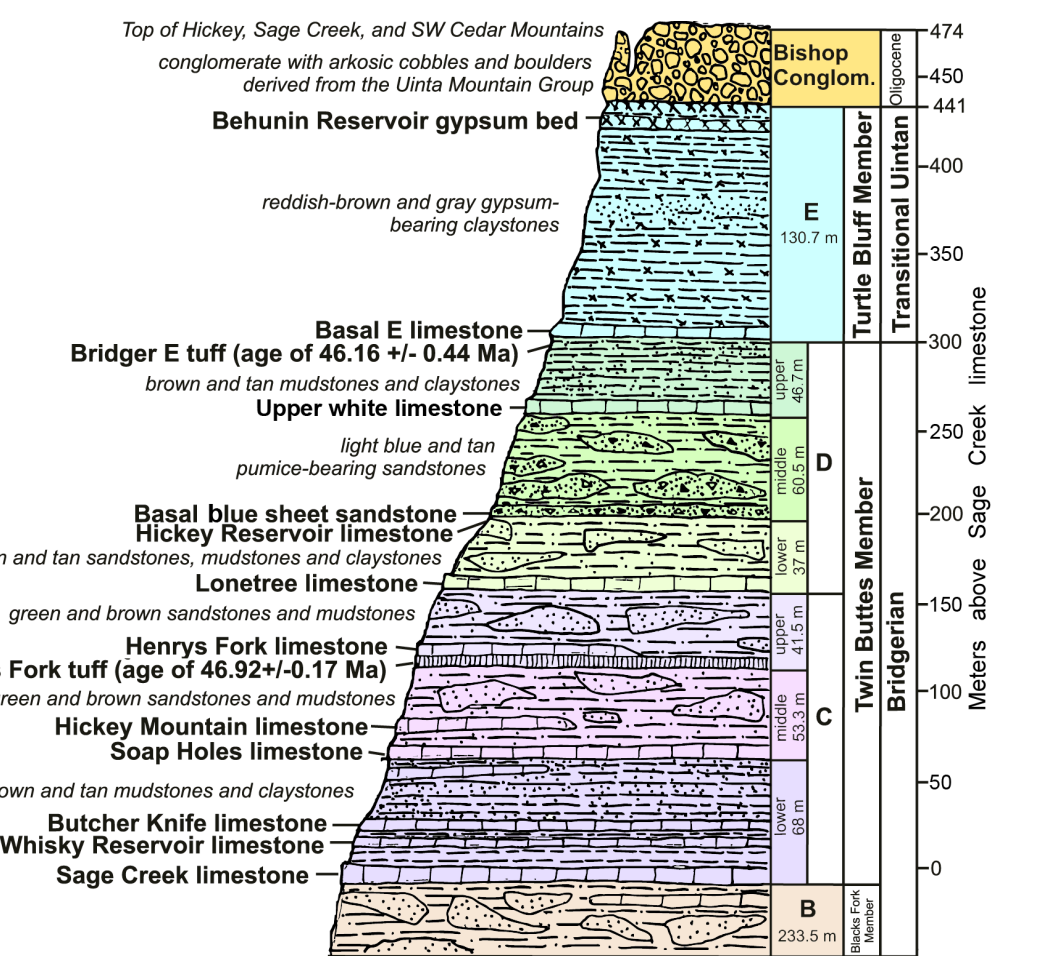
EXPLANATION

GEOLOGIC MAP UNITS

- Tb1** BISHOP CONGLOMERATE (Oligocene)
- BRIDGER FORMATION** (early and middle Eocene)
 - TbE** Turtle Bluff Member (Bridger E) (middle Eocene)
 - TbCu** Twin Buttes Member ("Upper Bridger" or Bridger C and D) (middle Eocene)
 - upper Bridger D
 - middle Bridger D
 - lower Bridger D
 - TbCm** upper Bridger C
 - TbC** middle Bridger C
 - TbCl** lower Bridger C
- Blacks Fork Member** ("Lower Bridger" or Bridger A and B) (early and middle Eocene)
 - TbBu** upper Bridger B
 - TbBm** middle Bridger B *
 - TbBl** lower Bridger B *
 - TbA** Bridger A *

* not present on this map

GENERALIZED STRATIGRAPHIC SECTION IN THE AREA OF HICKEY, SAGE CREEK, AND CEDAR MOUNTAINS



MAP SYMBOLS

- HFT** Marker unit, exposed; see ABBREVIATIONS FOR MARKER UNITS FOR MARKER UNITS
- SHLS** Marker unit, inferred where poorly exposed; see ABBREVIATIONS FOR MARKER UNITS FOR MARKER UNITS
- b** Measured section; dotted line indicated break or offset in section; see KEY TO MEASURED SECTIONS
- 1** Strike and dip of beds

Type locality location for marker units listed below

ABBREVIATIONS FOR MARKER UNITS (red indicates units shown on this map)

- BBI** Base of Bishop Conglomerate
- BRGB** Behunin Reservoir gypsum bed
- BELS** Basal E limestone
- ULS** Upper white limestone
- BBS** Basal blue sheet sandstone
- BBS** Approximate level of Basal blue sheet sandstone
- HRL** Hickey Reservoir limestone
- LTLS** Lonetree limestone
- HFLS** Henrys Fork limestone
- HFT** Henrys Fork tuff
- BFLS** Burnt Fork limestone
- HRRB** Horse Ranch red bed
- HMLS** Hickey Mountain limestone
- SHLS** Soap Holes limestone
- BKLS** Butcher Knife limestone
- WRLS** Whiskey Reservoir limestone
- SCLS** Sage Creek limestone

KEY TO MEASURED SECTIONS (blue indicates sections shown on this map)

| Map reference | Name of measured section | Reference sources * |
|---------------|---|----------------------|
| a | Reference S section, Twin Buttes Member (Northeast Sage Creek Mountain) | Appendix 2, Table 18 |
| b | Southwest Sage Creek Mountain | Appendix 5, Table 20 |
| c | Southwest Cedar Mountain | Appendix 3, Table 19 |
| d | Type Section, Turtle Bluff Member (West Cedar Mountain) | Appendix 4, Table 19 |
| e | Southwest Cedar Mountain | Appendix 6, Table 21 |
| f | Type Section, Twin Buttes Member (South east Twin Buttes) | Appendix 1, Table 17 |
| g | Northeast Hickey Mountain | Table 22 |
| h | Northeast Sage Creek Mountain | Table 23 |
| i | South Cedar Mountain | Table 25 |
| j | North Cedar Mountain | Table 24 |
| k | Northeast Cedar Mountain | Table 27 |
| l | Northeast Mass Mountain | Table 26 |
| m | Northwest Black Mountain | Table 29 |
| n | Northwest Twin Buttes | Table 28 |

* Refer to Wyoming State Geological Survey Report of Investigation 57 (2007).

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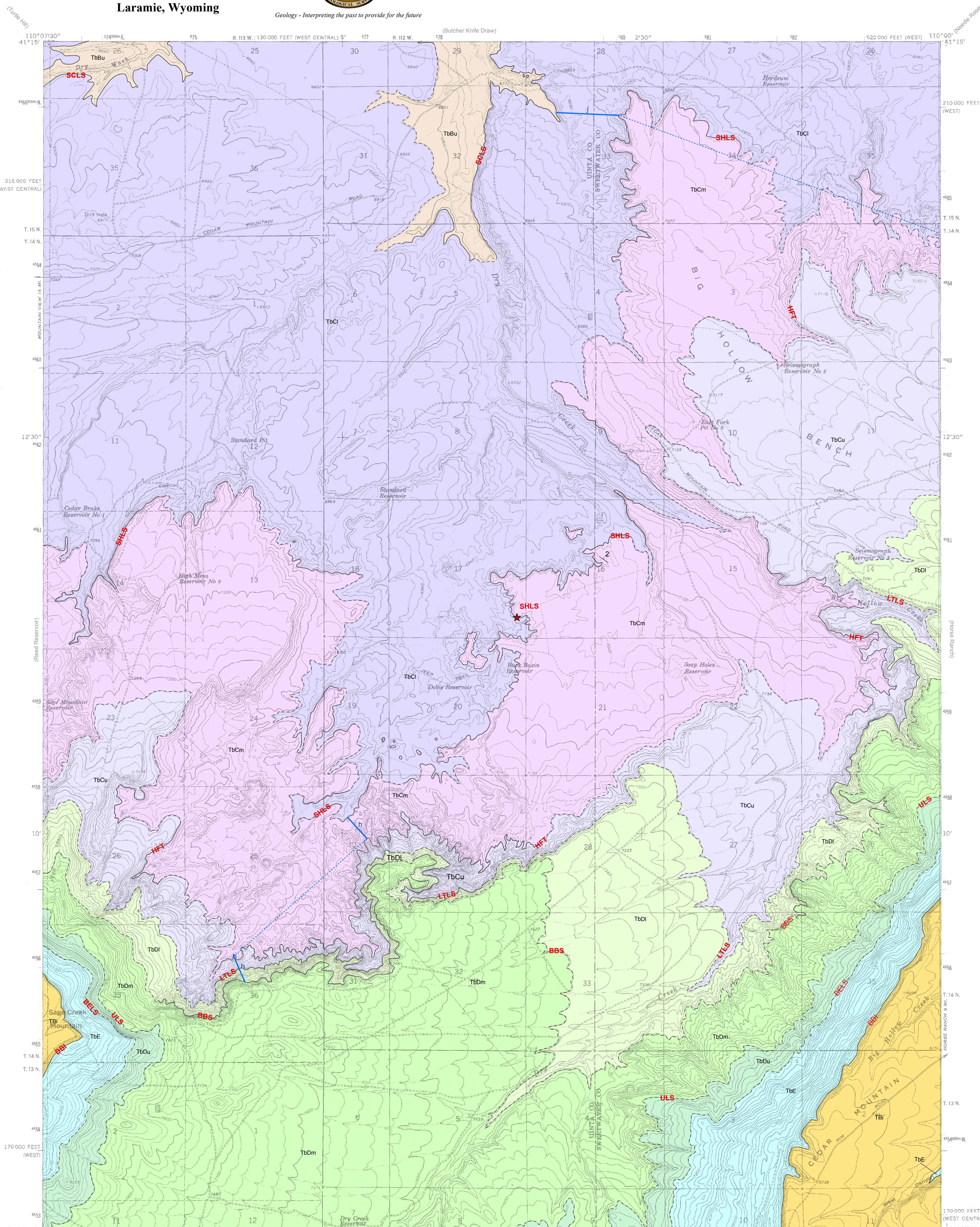
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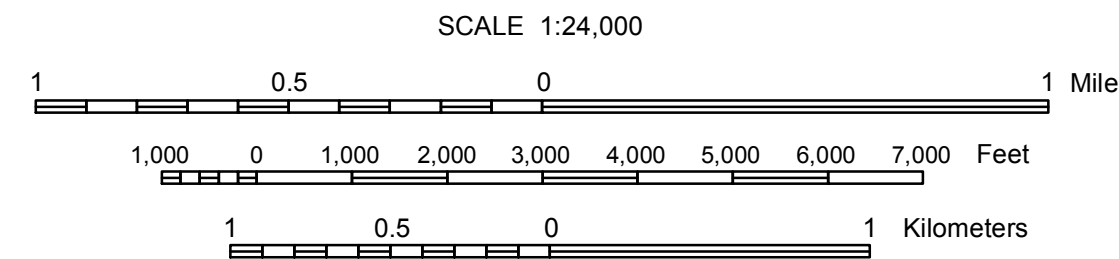
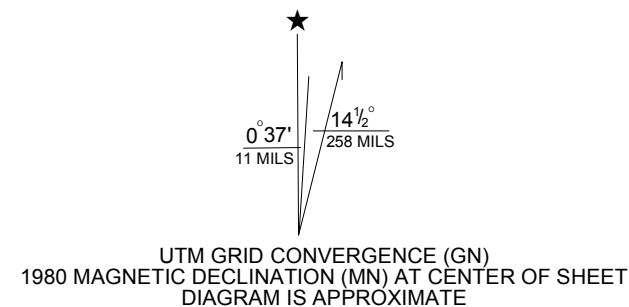
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Base Map from U.S. Geological Survey 1:24,000-scale topographic map of the Soap Holes Reservoir, Wyoming 7 1/2 minute Quadrangle, 1964

Projection: Universal Transverse Mercator (UTM), zone 12
 North American Datum of 1927 (NAD 27)
 1,000 meter grid ticks: UTM zone 12
 10,000-foot grid ticks: Wyoming State Plane Coordinate System, West zone

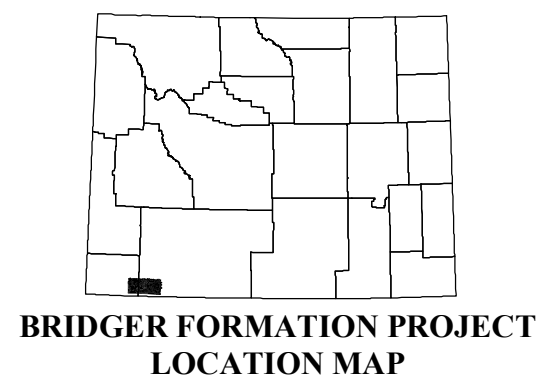


Digital cartography by Justin E. Scott and David W. Lucke

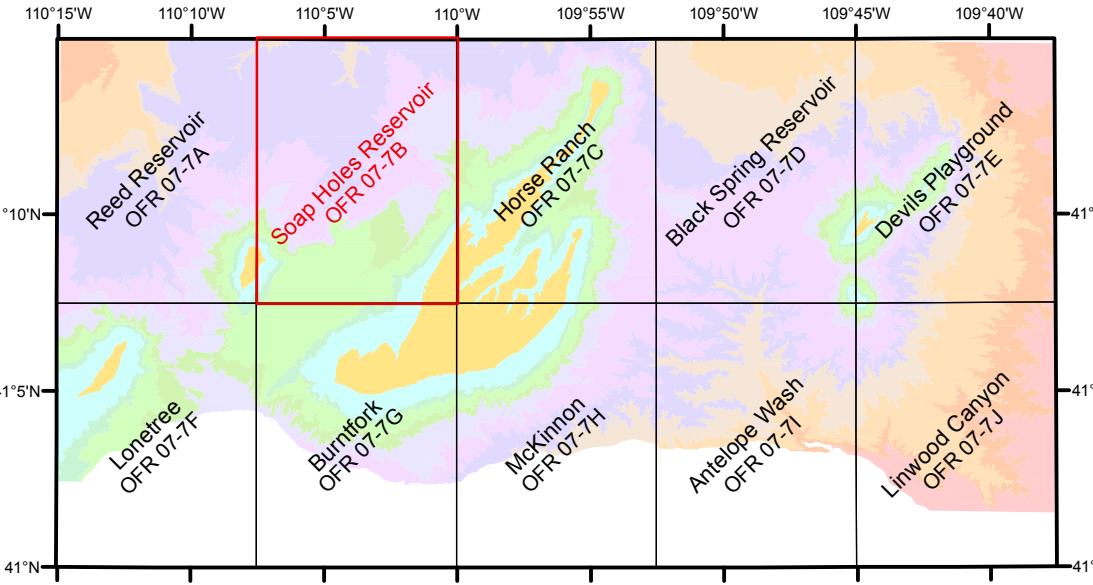
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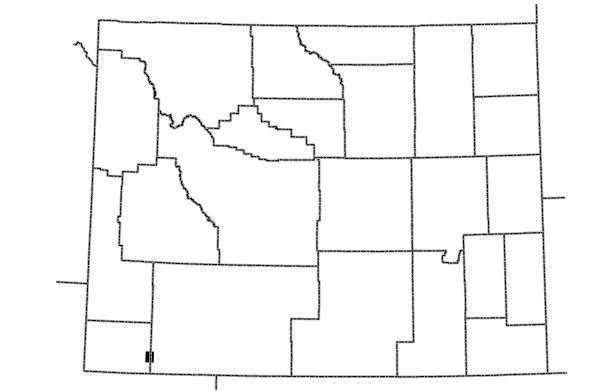


BRIDGER FORMATION PROJECT LOCATION MAP



INDEX MAP OF 1:24,000-SCALE QUADRANGLES

Number indicates Wyoming State Geological Survey Open File Report (OFR) (1:24,000-scale digital geologic maps are included on CD for RI-57)
 A 1:100,000-scale geologic map of all quadrangles above is published in Wyoming State Geological Survey Report of Investigations (RI) 57



WYOMING QUADRANGLE LOCATION

BEDROCK GEOLOGIC MAP OF SOAP HOLES RESERVOIR QUADRANGLE, UINTA AND SWEETWATER COUNTIES, SOUTHWESTERN WYOMING

by
 P.C. Murphey, J.E. Haessig, L.R. Brand, and N. Matthews
 2007