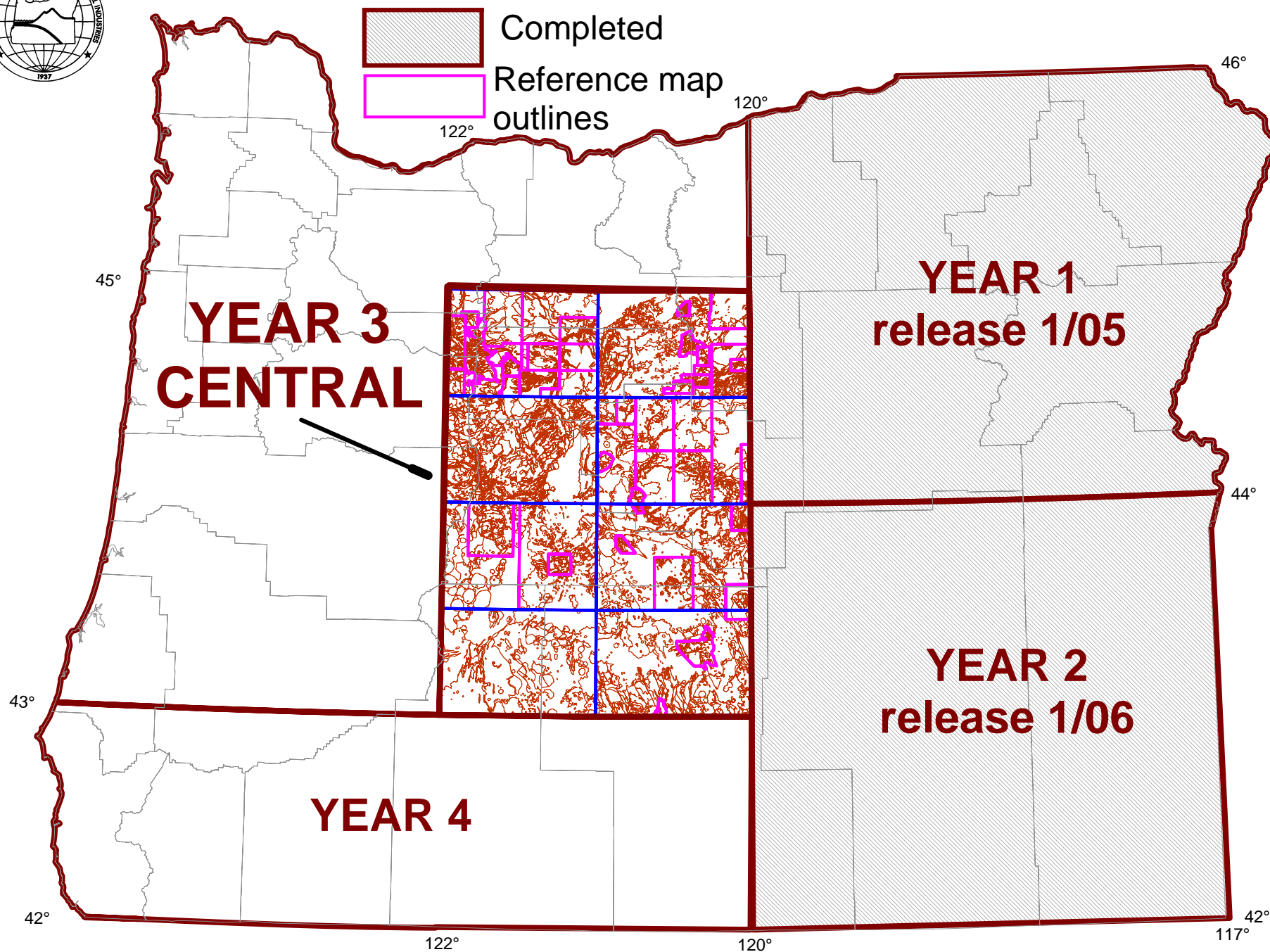




Oregon Geologic Data Compilation - status graphic



Preliminary Geologic Compilation Map of the Central Portion of Oregon

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Preliminary Geologic Compilation Map of the Central Portion of Oregon

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DISCUSSION

The compilation consists of a spatial database of geographic information system (GIS) files depicting the surface geology of the area. The data were derived from 45 source maps (see Figure 1 and Table 1) and include 1288 unique units defined by the various authors.

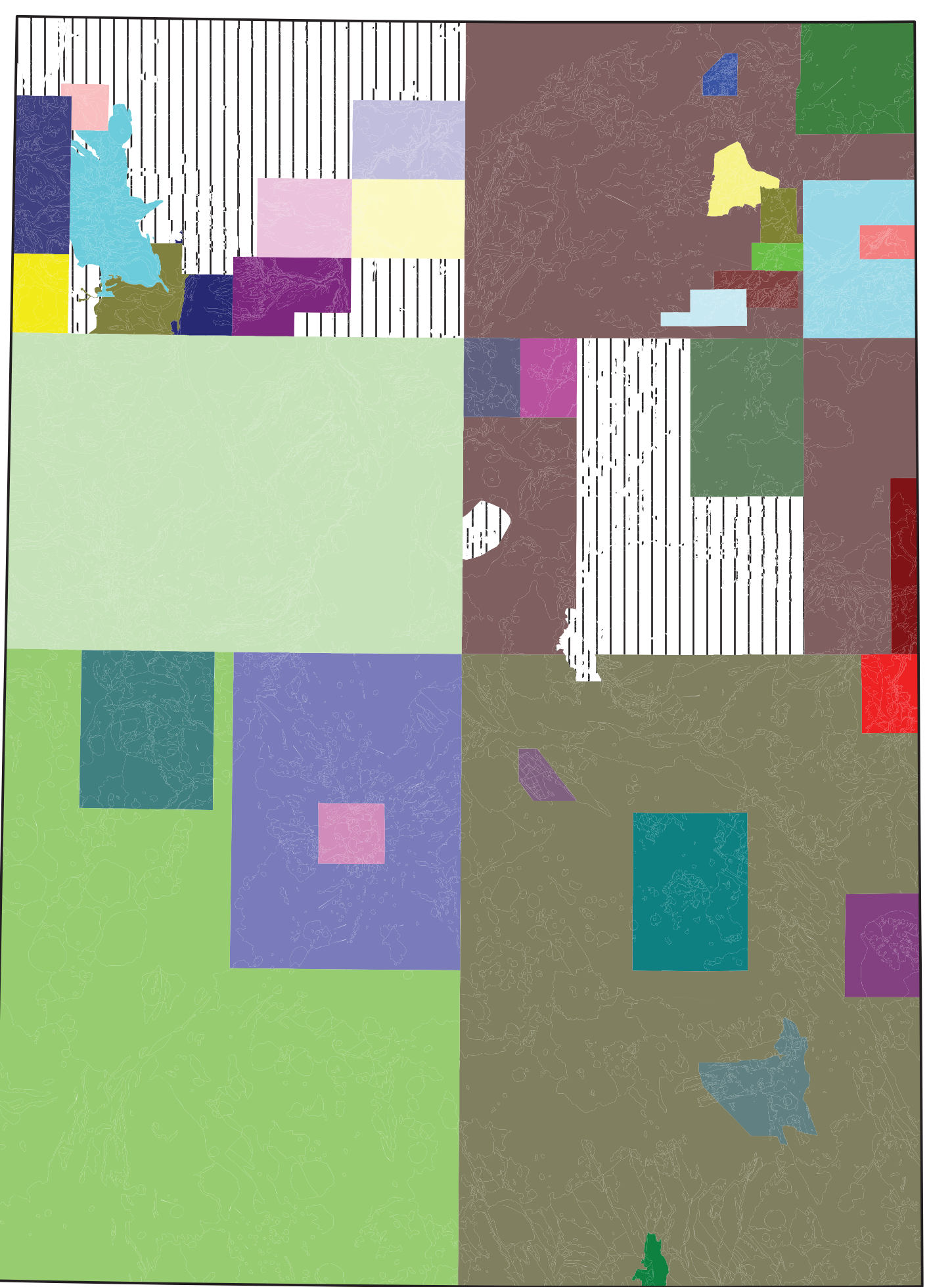
To help make sense of this large number of units, the authors have assigned each original unique unit to one of 343 geologic merge units based on age, lithology, and stratigraphy. The map presented here is a further simplification of these 343 units. This map was compiled at a nominal scale of 1:100,000 on a mosaic of 1:100,000 digital raster graphics (DRG) base maps. It is hard to make a visually meaningful plot of the geology on the original base map at any reasonable size, so the map presented here has a simplified base map at a scale of 1:175,000.

The digital files used to prepare this map have been published separately as Oregon Digital Data Compilation, release 3 (OGDC-3) (Newberry and others, 2007), which also includes a Microsoft Access database summarizing all the unit descriptions by the original authors for each unique unit. For a discussion of the methodology used to create the digital compilation map of Oregon, see Farris and others (2006).

REFERENCES

Farris, M. L., and others, 2006, Oregon statewide geologic map data: A pilot project where digital techniques changed the geologic map compilation process and products, Oregon Department of Geology and Mineral Industries open file report O-06-03, 4 p., poster.
Newberry, C. A., and others, 2007, Oregon Geologic Data Compilation, release 3, northeast, southeast, and central Oregon, Oregon Department of Geology and Mineral Industries digital data series OGDC-3, CD-ROM.

Figure 1. Index map showing source map locations and map reference IDs. Reference ID publications are given in Table 1.



Key (Reference IDs) for source index map

AdJA1991	MacLR2001	SherDR1988	WaikGW1991
BarrT1978	LeNS1982	SherR2004	WaiteC1958a
BeateA2002figure3	MacLS1995sheet1	SmGcA1978a	WaikGW1998
BingN1984	MacLS1995sheet2	SmGcA1978b	WaiteC1958b
BlackC1979	MacLS1995sheet3	SmGcA1978c	WaiteC1958c
CoRM1991	ClefK1971	SherR1989	WendP1980
DaveRE1971	OlwenC1977	SwanD1969	WendD1988
DigM1991	PatRL1965	SwiNC1968	WhC1980
HaleP1975	PittR1987	ThordC1984	WhM1960
HewC1987	QuinnP1987	ThordC1985	YospC1985
HuggW1978	ScovWE1977fig2	WaikGW197	
JohnA1998a	ScovRE1992	WaikGW198a	