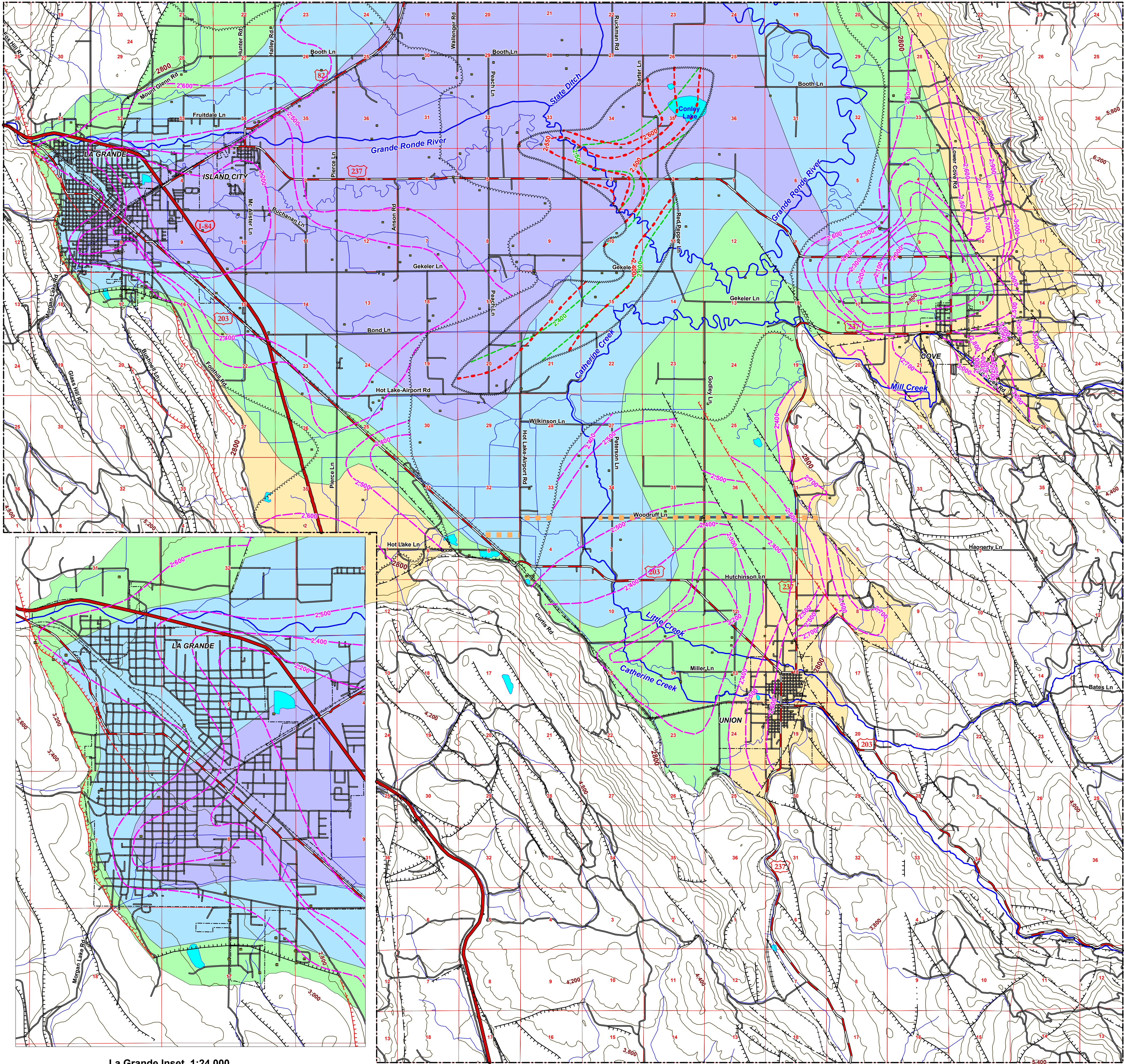


Surface and Subsurface Geology of the Southern Grande Ronde Valley and lower Catherine Creek Drainage, Union County, Oregon

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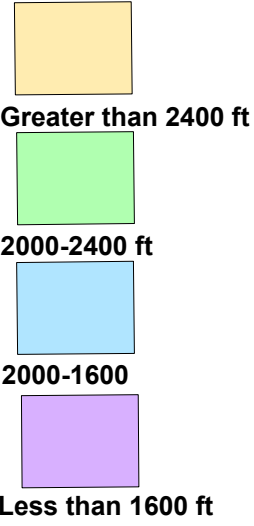
Plate 2 Subsurface Geologic Map, structure contour map, 1:50,000



La Grande Inset, 1:24,000

Subsurface Geology Contours

Approximate Elevation of top of Glass Hill Volcanics beneath the Valley floor



Subsurface extent of the Fan-delta deposits and the Conley Lake gravel body.

---2000---

Elevation of the base of the Cove, Catherine Creek and La Grande fan-deltas (feet)

extent of Conley lake Gravel body

---2000---

elevation of the base of the Conley Lake gravel body (feet)

---2000---

elevation of the top of the Conley Lake gravel body (feet)

---2000---

approximate location of water well used to map the subsurface geology

Seismic line location

State Highways

Interstate Highway

other roads and streets

streams and rivers

railroads

---2800---

topographic contour, 200 foot interval

Public Land Survey Section Line

32

Public Land Survey Section number

Incorporated cities

fault, bars on downthrown side

buried fault, bars on downthrown side

fault, bars on downthrown side

probable movement in last 12,000 years

buried fault, bars on downthrown side

probable movement in last 12,000 years