

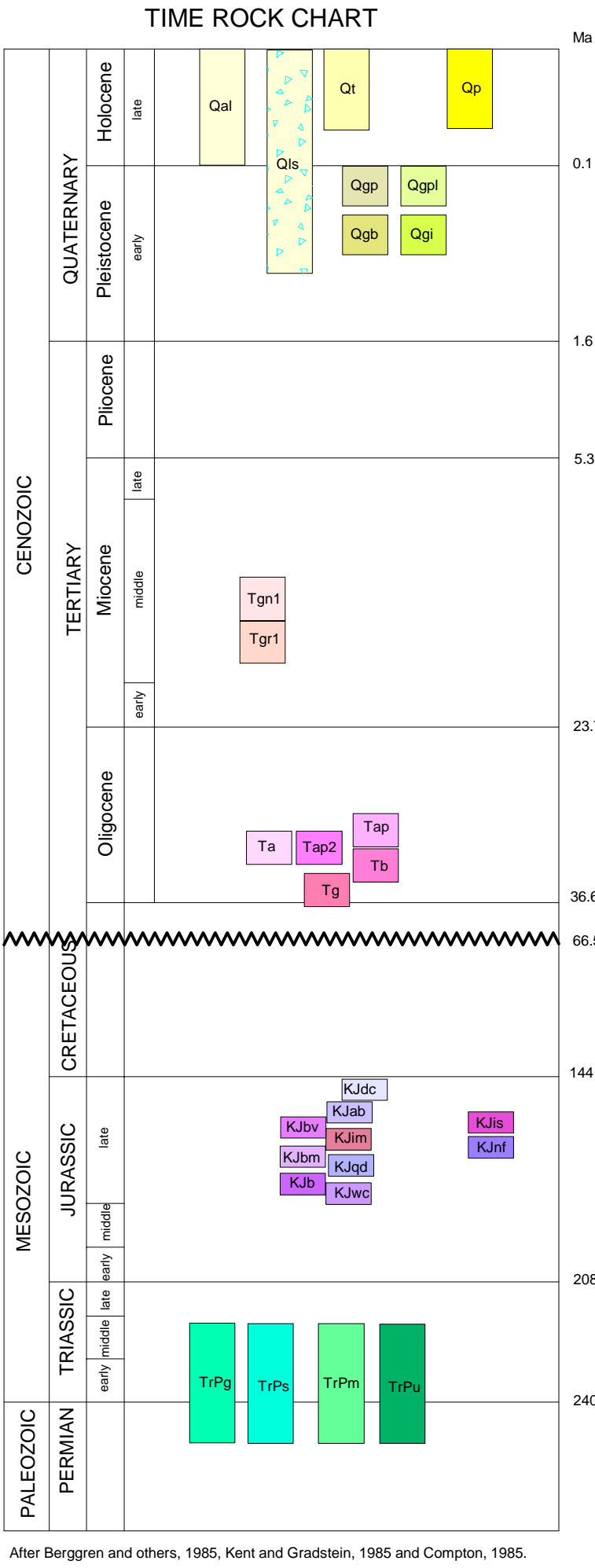
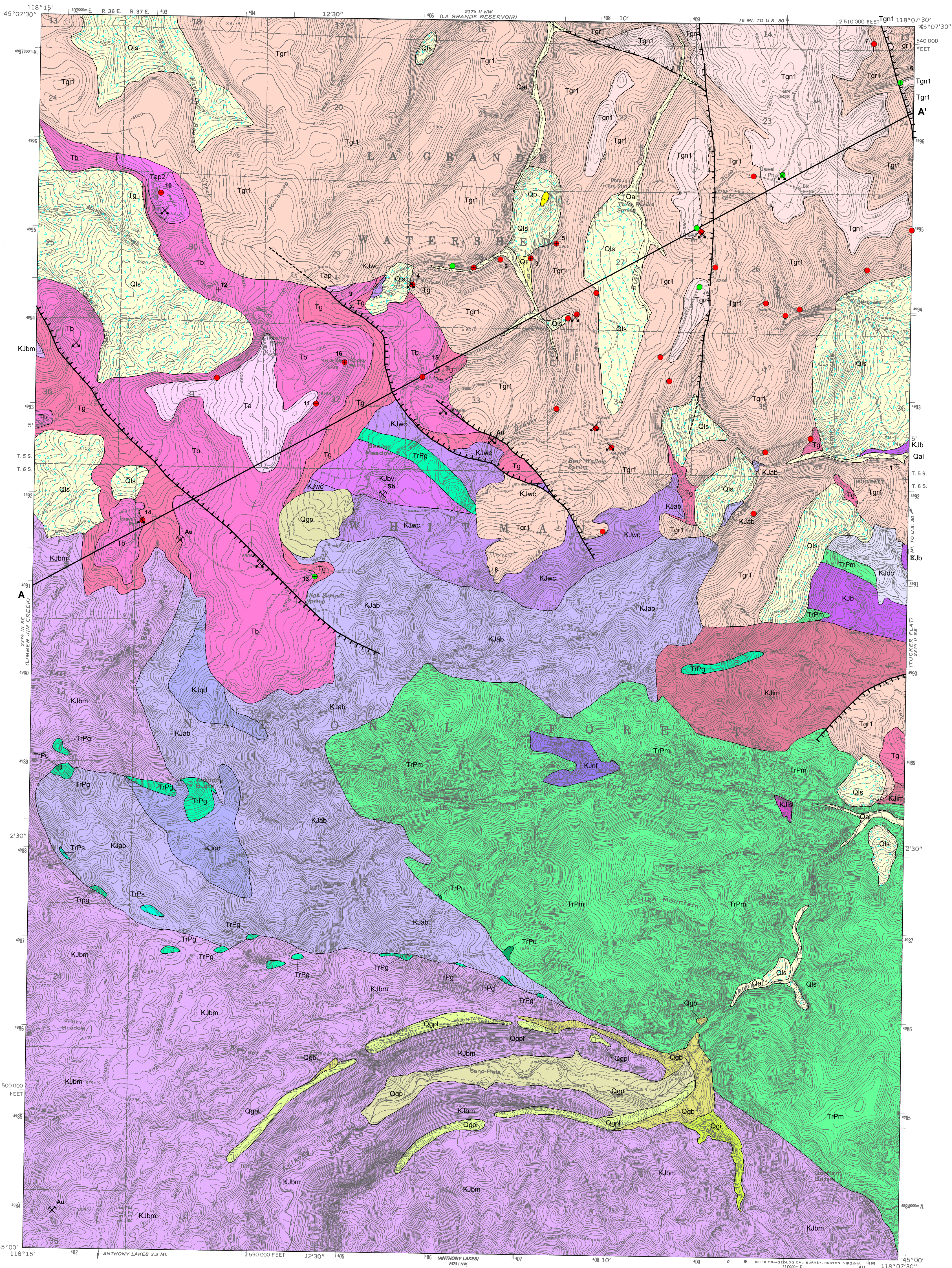
Geologic Map of the Anthony Butte Quadrangle, Union and Baker Counties, Oregon

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Union and Baker Counties, Oregon
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Explanation of Units

- Surficial deposits
- Op Paludal deposits (Holocene)
 - Qal Alluvium (Holocene)
 - Qls Landslides (Quaternary)
 - Qt Terrace deposits (Pleistocene)
- Glacial deposits (Pleistocene)
- Qgp undifferentiated Pinedale age till (Pleistocene)
 - Qgpl Pinedale age lateral moraines (Pleistocene)
 - Qgb undifferentiated Bull Lake age till (Pleistocene)
 - Qg Bull Lake age glacial Lake Indian (Pleistocene)
- Columbia River Basalt Group
- Grande Ronde Basalt
- N1 magnetostratigraphic unit undifferentiated (middle Miocene)
- Tgn1
- R1 magnetostratigraphic unit undifferentiated (middle Miocene)
- Tgr1
- Tower Mountain Volcanic Field
- Ta andesite (Oligocene)
 - Tap andesite porphyry (Oligocene)
 - Tap2 basaltic andesite porphyry (Oligocene)
 - Tb basalt of Rocky Point (Oligocene)
 - Tg older conglomerate (Oligocene)
- Bald Mountain Batholith
- Kldc leucogranite of Dutch Creek (late Jurassic-early Cretaceous)
 - Klab granite of Anthony Butte (late Jurassic-early Cretaceous)
 - Klbv granodiorite of Beaver Meadow (late Jurassic-early Cretaceous)
 - Klm granodiorite of Indiana Mine road (Late Jurassic-early Cretaceous)
 - Klbn tonalite of Bald Mountain (late Jurassic-early Cretaceous)
 - Klqd quartz diorite inclusions in granite of Anthony Butte (late Jurassic-early Cretaceous)
 - Kjb boundary quartz diorite (late Jurassic-early Cretaceous)
 - Kjwc quartz diorite of Wolf Creek (late Jurassic-early Cretaceous)
- Satellite Intrusions
- Kls granite of Isham Spring (late Jurassic-early Cretaceous)
 - Klf tonalite of North Fork (late Jurassic-early Cretaceous)
- Baker Terrane Paleozoic igneous and metamorphic rocks
- TrPm mixed mafic intrusive and metamorphic rocks (Permian-Triassic?)
- Hornfels inclusions and septa
- TrPs metasediments (Permian-Triassic?)
 - TrPg metagabbro (Permian-Triassic?)
 - TrPu metamorphosed ultramafic rocks (Permian-Triassic?)

Symbol Legend

- Contact, approximately located
- Fault, approximately located, ticks on downthrown side
- Inferred fault, approximately located, ticks on downthrown side
- Buried fault
- Geochemical sample site
- Paleomagnetic polarity data sites
- Normal Polarity
- Reverse Polarity
- Rock quarry
- Prospect

GEOLOGIC CROSS SECTION

