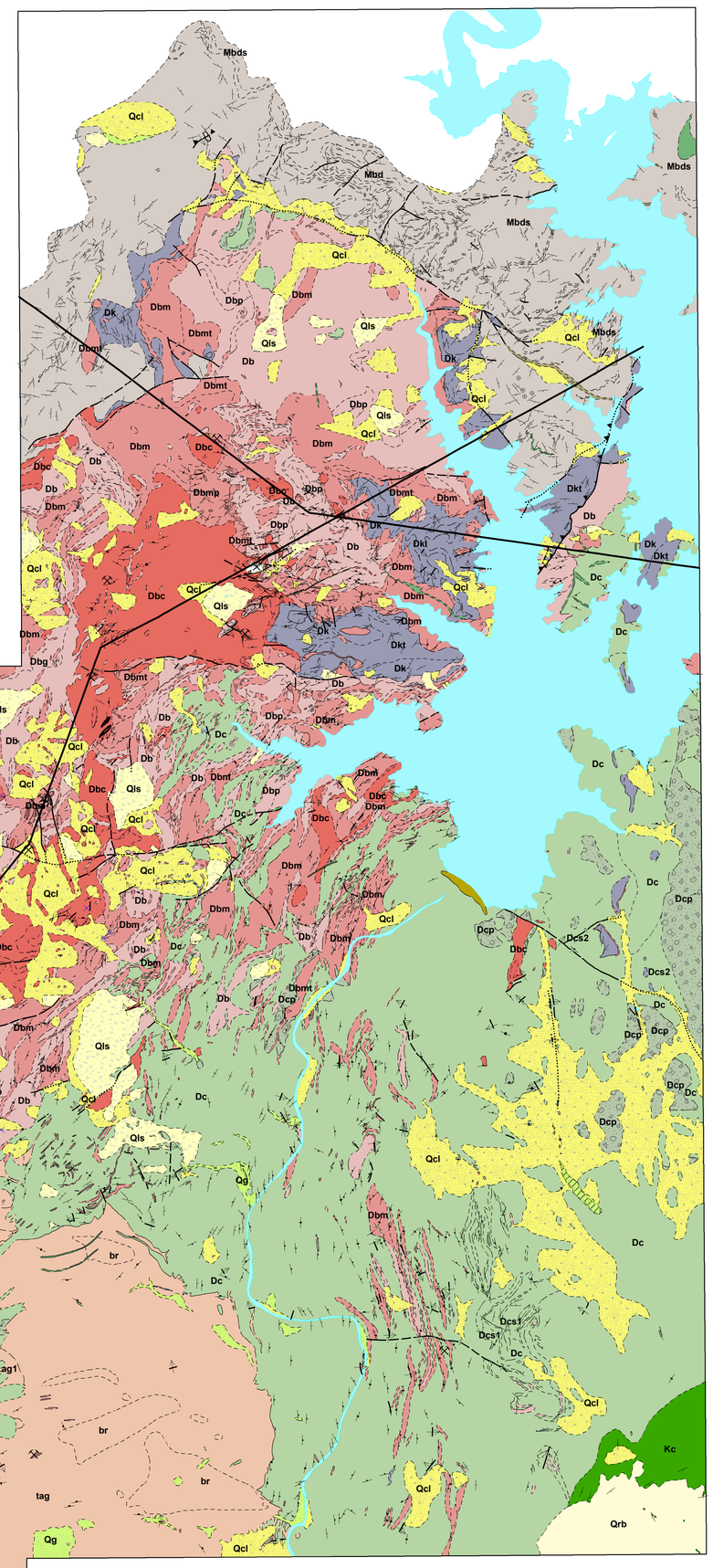
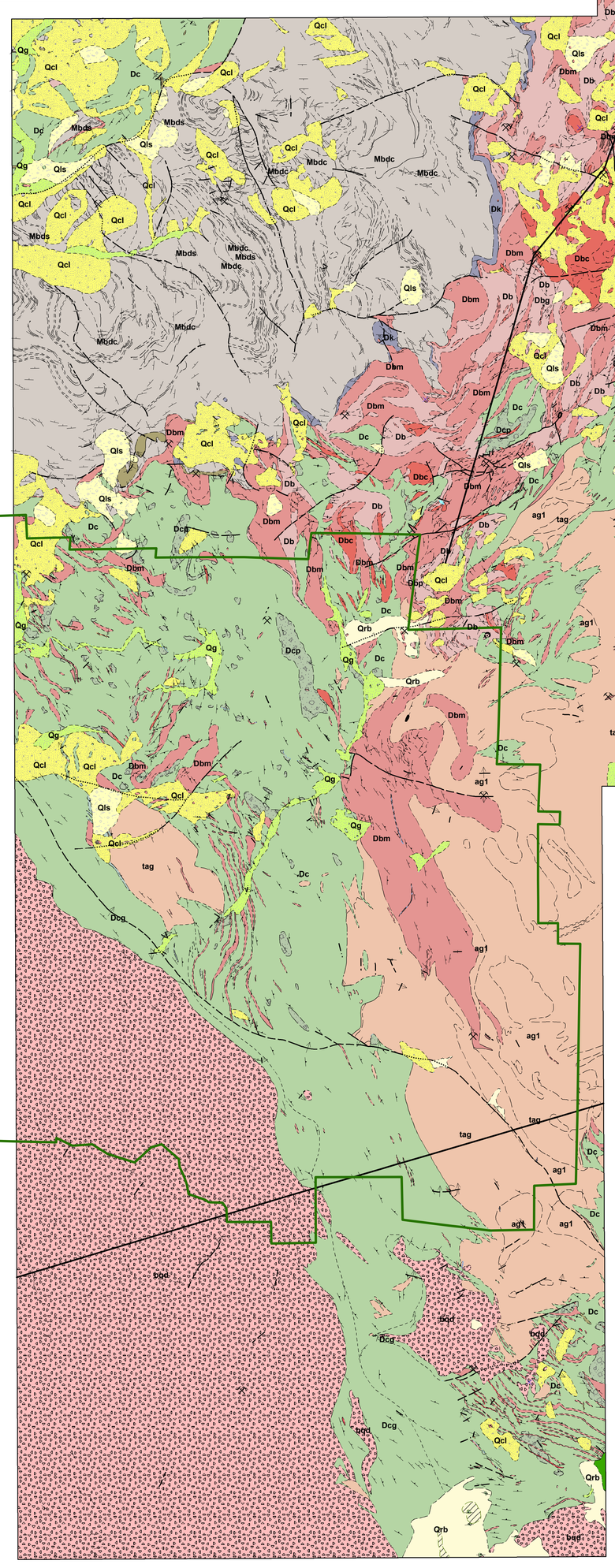
Geologic Map of Whiskeytown, CA

Whiskeytown NRA boundary

WSCZ Geologic Units

- Qcl - soil, talus and slope wash
- Qls - landslide
- Qg - sand and gravel
- Qrb - Red Bluff Formation
- Kc - Chico Formation
- bp - Birdseye porphyry
- hb - hornblendite
- ap - andesite porphyry
- ad - felsic dike rocks
- mg - metagabbro
- lp - lamprophyre
- bqd - Shasta Bally batholith
- tag - trondhjemite
- ag1 - siliceous, pseudoporphyritic albite granite
- br (ag2)- intrusive breccia
- db - diabase
- Mbds - shale and siltsone of Bragdon Formation
- Mbdc - conglomerate, sandstone and grit of Bragdon Formation
- Mbd - black siliceous shale of Bragdon Formation
- Dk - Kennett Formation
- Dkl - limestone of Kennett Formation
- Dkt - tuffaceous sedimetary rock of Kennett Formtaion
- Dbc - coarse phenocryst rhyolite of Balaklala Rhyolite
- Dbcp - volcanic breccia of coarse phenocryst rhyolite of Balaklala Rhyolite
- Dbct - tuff and tuffaceous sedimentary rock of coarse phenocryst rhyolite of Balaklala Rhyolite
- Dbm - medium phenocryst rhyolite of Balaklala Rhyolite
- Dbmp - volcanic breccia of medium phenocryst rhyolite of Balaklala Rhyolite
- Dbmt - tuff and tuffaceous sedimentary rock of medium phenocryst rhyolite of Balaklala Rhyolite
- Dbmg - greenstone of medium phenocryst rhyolite of Balaklala Rhyolite
- Dbmgp - greenstone and pyroclastic rock of medium phenocryst rhyolite of Balaklala Rhyolite
- Db - nonporphyritic rhyollite of Balaklala Rhyolite
- Dbp - volcanic breccia of nonporphyritic rhyollite of Balaklala Rhyolite
- Dbt - tuff and tuffaceous sedimentary rock of nonporphyritic rhyollite of Balaklala Rhyolite
- Dbg - greenstone of nonporphyritic rhyollite of Balaklala Rhyolite
- Dbgp - greenstone and pyroclastic rock of nonporphyritic rhyollite of Balaklala Rhyolite
- Dc - Copley Greenstone
- Dcp - pyroclastic rock of Copley Greenstone
- Dcs1 - shale, shaly tuff and sandstone of Copley Greenstone
- Dcs2 - greenstone tuff, rhyolite tuff, and greenstone breccia of Copley Greenstone
- Dcg - gneiss, migmatite and amphibolite of Copley Greenstone
- af - artificial fill
- water





WSCZ Geologic Attitude Observation Points

- strike and dip of beds
- strike of vertical beds
- horizontal beds
- strike and dip of foliation
- strike of vertical foliation
- strike and dip of joints
- strike of vertical joints
- bearing and plunge of lineation
- strike and dip of flow layering
- strike of vertical flow layering
- dip of fault plane
- U upthrown side of fault
- D downthrown side of fault
- vertical fault plane
- strike and dip of sheeting

WSCZ Mine and Mine Related Point Features

- prospect pit
- mine

WSCZ Geologic Cross Section Lines

- WSCZ Geologic Cross Section Lines

WSCZ Mine Area Feature Boundaries

- known or certain
- approximate
- inferred
- quadrangle/map boundary

WSCZ Mine Area Features

- caved area
- dump

WSCZ Geologic Contacts

- known or certain
- approximate
- concealed
- approximate, queried
- concealed, queried
- inferred
- gradational
- quadrangle/map boundary
- shoreline
- subaqueous, inferred

WSCZ Faults

- thrust fault, known or certain
- thrust fault, approximate
- normal fault, known or certain
- normal fault, approximate
- normal fault, concealed
- normal fault, approximate and queried
- normal fault, concealed and queried
- normal fault, subaqueous
- unknown offset/displacement, known or certain
- unknown offset, approximate
- unknown offset, concealed
- unknown offset,approximate and queried
- unknown offset, concealed and queried
- unknown offset, inferred
- right-lateral, unknown offset/displacement, approximate
- vertical fault, known or certain
- vertical fault, approximate
- vertical fault, concealed
- vertical fault, approximate and queried
- vertical fault, concealed and queried
- vertical fault, subaqueous

N

0 2.5 5 10 Kilometers

0 1.5 3 6 Miles

This map graphically presents digital geologic data prepared as part of the NPS Geologic Resources Division's Geologic Resource Evaluation Program. The source map used in creation of the digital geologic data product was:

Albers, J.P., Kinkel, A.R., Jr., Drake A.A., Irwin, W.P., 1964, Geology of the French Gulch Quadrangle Shasta and Trinity Counties, California: U.S. Geological Survey, Geological Survey Bulletin, 1141-J scale 1:62,500.

Albers, J.P., Kinkel, A.R., Jr., Hall, W.E., 1956, Geologic Map of the West Shasta Copper-Zinc Deposits, Shasta County, California: U.S. Geological Survey, Professional Paper, 285 PLATE 1 scale 1:24,000.

Digital geologic data and cross sections for Whiskeytown National Recreation Area, and all other digital geologic data prepared as part of the Geologic Resource Evaluation Program, are available online at the NPS Data Store: http://science.nature.nps.gov/nrdata/

Produced by Geologic Resources Division

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