



EXPLANATION

ROCKS EXPOSED IN AREA 1

- A Porphyritic andesite
- B Basalt
- Sedimentary unit
- C Olivine basalt
- E Basalt and breccia with interbedded tuff
- Sedimentary unit
- Sedimentary unit and tuff
- F Basalt
- Sedimentary unit
- Base unexposed

ROCKS EXPOSED IN AREA 2

- Base of middle(?) Miocene volcanic rocks
- C Olivine basalt
- Sedimentary unit and tuff
- D Porphyritic andesite and agglomerate
- Base unexposed

ROCKS EXPOSED IN AREA 3

- A Porphyritic andesite
- Flow breccia
- B Basalt
- Sedimentary unit with interbedded basalt flows
- C Olivine basalt
- Sedimentary unit
- D Porphyritic andesite

ROCKS EXPOSED IN AREA 4

- D Andesite with tuff and agglomerate
- Sedimentary unit
- E Basalt with tuff and agglomerate
- Sedimentary unit
- G Porphyritic basalt
- Base unexposed

Locality of lithologic unit studied petrographically; letter designates unit



PETROGRAPHIC CORRELATION OF EXTRUSIVE ROCKS IN THE TOLEDO-CASTLE ROCK COAL DISTRICT EAST OF COWLITZ RIVER, LEWIS AND COWLITZ COUNTIES, WASHINGTON