

WSDGER OPEN-FILE REPORT 79-2

AN ASSESSMENT OF THE URANIUM POTENTIAL
IN THE ELLENSBURG FORMATION,
SOUTH-CENTRAL WASHINGTON

Photographic guide keyed to
15-minute quadrangles

By

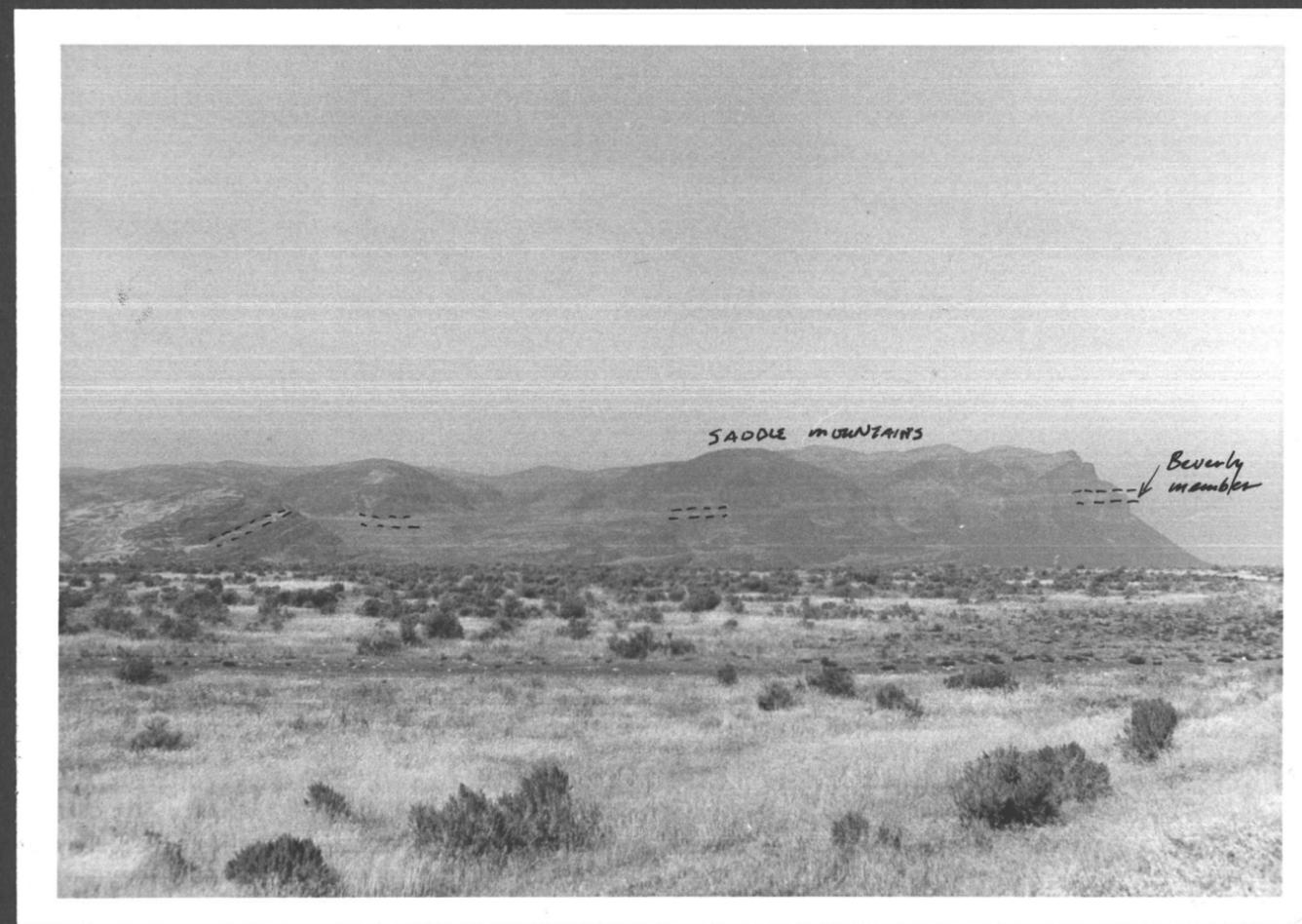
Clint Milne
1978-1979

P-1:

View looking east at Wahluke Slope;
Beverly member beneath basalt Cap;
(Beverly 15').

P-2:

View looking west; Beverly member
sandwiched between basalts; (Beverly 15')



P-3:

View looking west at Beverly member;
Columbia River below; (Beverly 15').



P-4:

View looking East at Silver tuff (ash flow); area was quarried; tuff was used as cement curing agent in construction of dam; strata dips 15° S; ground water percolation observed down dip originating at fractures; tuff always appears to be a good aquifer; (Beverly 15').

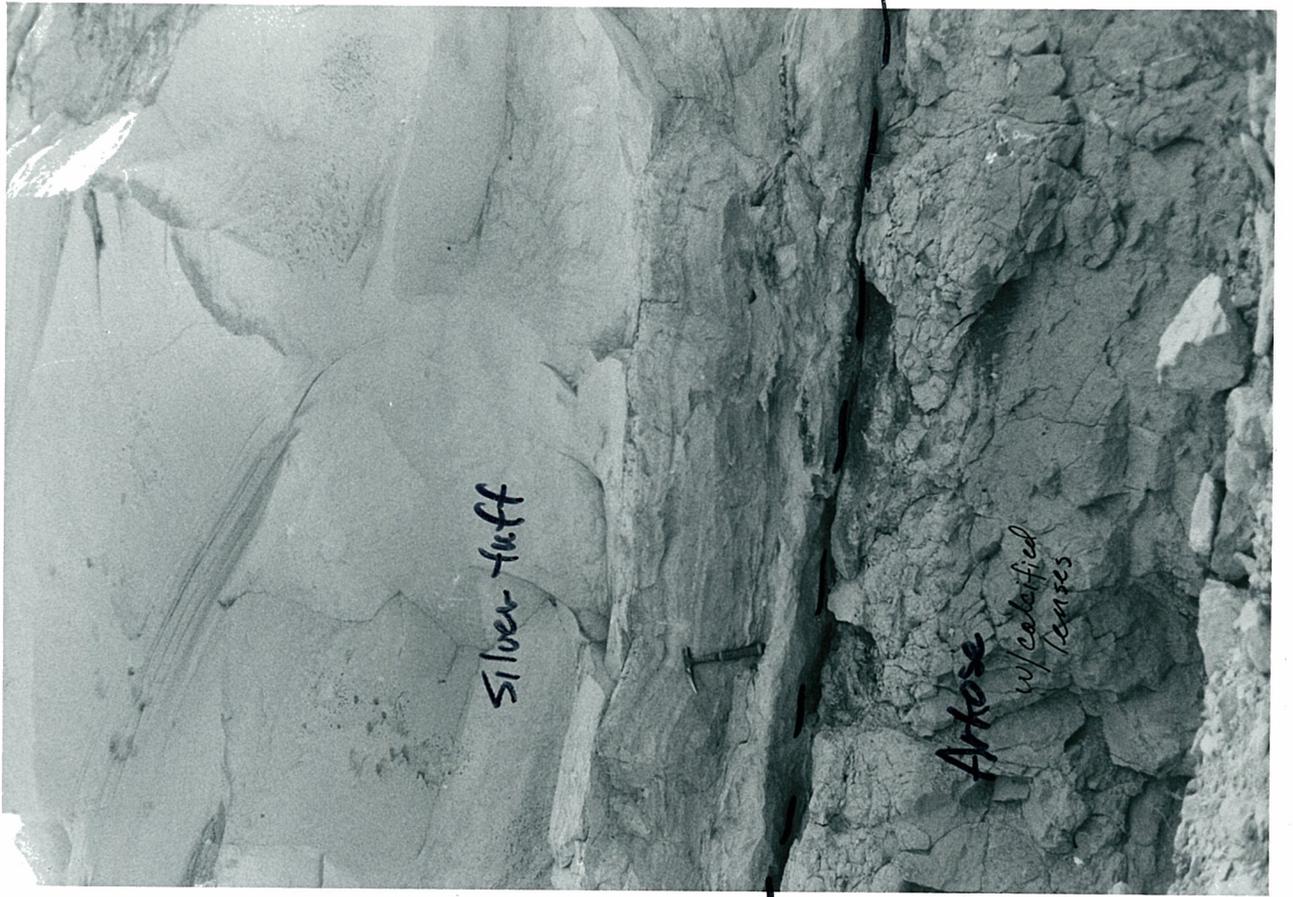


P-5:

Contact of silver tuff and arkose (lower unit);
(Beverly 15').

P-6:

View looking south; silver tuff in foreground;
(Beverly 15').

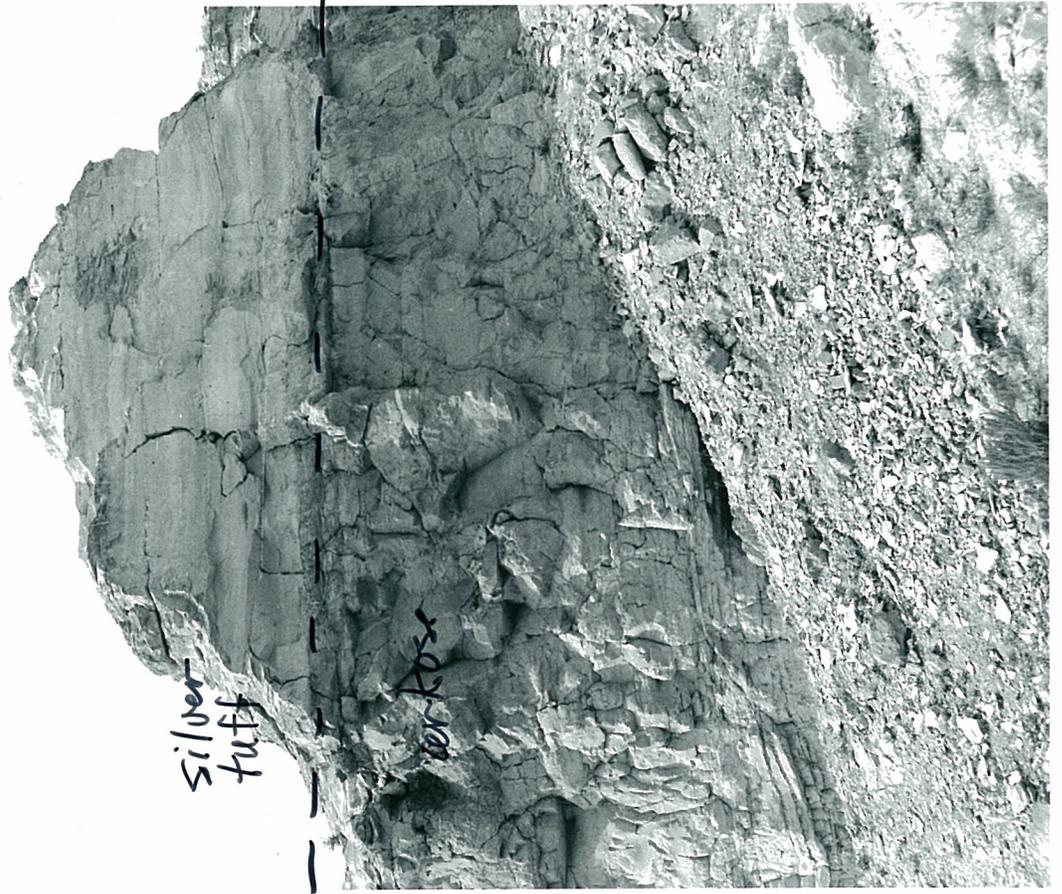


P-7:

Contact silver tuff and arkose; (Beverly 15').

P-8:

View looking north-west at silver tuff; Area quarried; (Beverly 15").



P-9:

View looking south at cliffs of upthrown
Saddle Mountains; several synclines with
Beverly member observeable; (Beverly 15').

P-10:

View looking west at Ginkgo State Park;
Rocky Coulee in photo center; Vantage area;
(Beverly 15').



P-11:

View of west side of road; outcrop of Vantage
(pebbly) sandstone beneath polygonitic pillow
basalt; (Beverly 15').

P-12:

View looking northwest; flatlying
Ellensburg Formation along old highway;
Thorp section; (Thorp 15').



P-13:

View looking north at Thorp section;
crossbedded sandstones, pumice pebble
sandstone conglomerate, mudflows-lahars;
pliestocene cover; (Thorp 15').

P-14:

Close-up of rock types in photo #13;
(Thorp 15').



P-15:

Manastash Ridge section at Vanderbilt Gap; Ellesburg beds dipping steeply northeast; beds generally one to three feet thick; (Badger Pocket 15').

P-16:

View looking northwest; Vanderbilt Gap; (Badger Pocket 15')



P-17:

View looking northwest; whitish outcrop is Vantage Sandstone; near Vanderbilt Gap; gross structure in area appears to be a syncline; (Badger Pocket 15').



P-18:

View looking northwest; silver tuff
six to eight feet thick; reverse fault-
ing is intense; Umtanum Ridge, Pomona
area; (Yakima East 15').



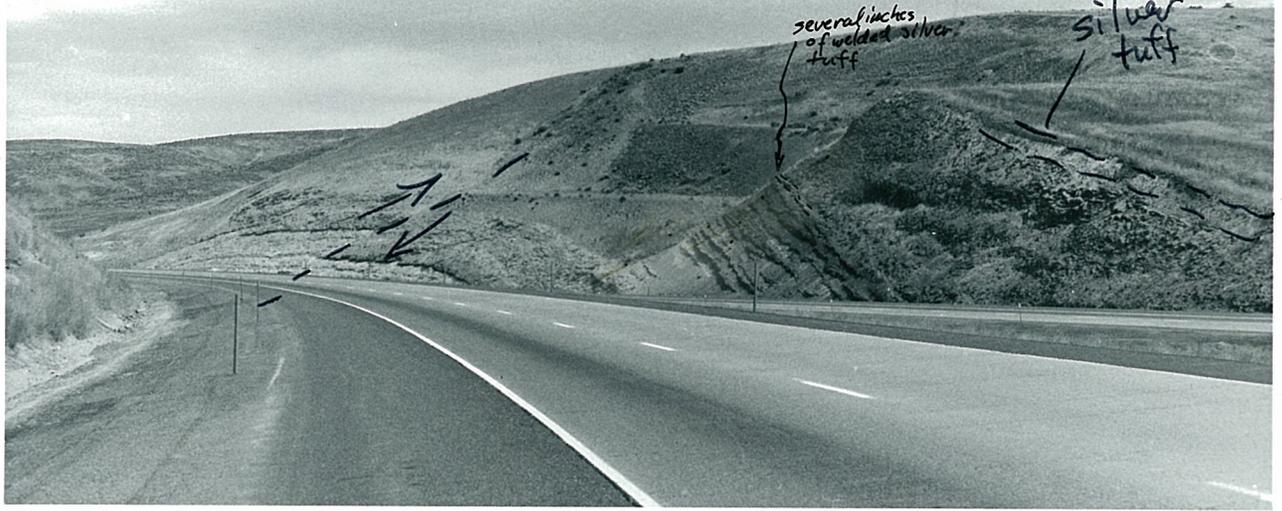
silver
tuff

P-19:

View looking north; one-half mile north of photo 18; silver tuff partially observeable over basalt; intense Reverse faulting; (Yakima East 15').

P-20:

View looking southwest along synclinal axis in Burbank Valley; silver tuff resting on basalt; (Badger Pocket 15').



P-21:

View looking southwest at Burbank
Valley; (Badger Pocket 15').

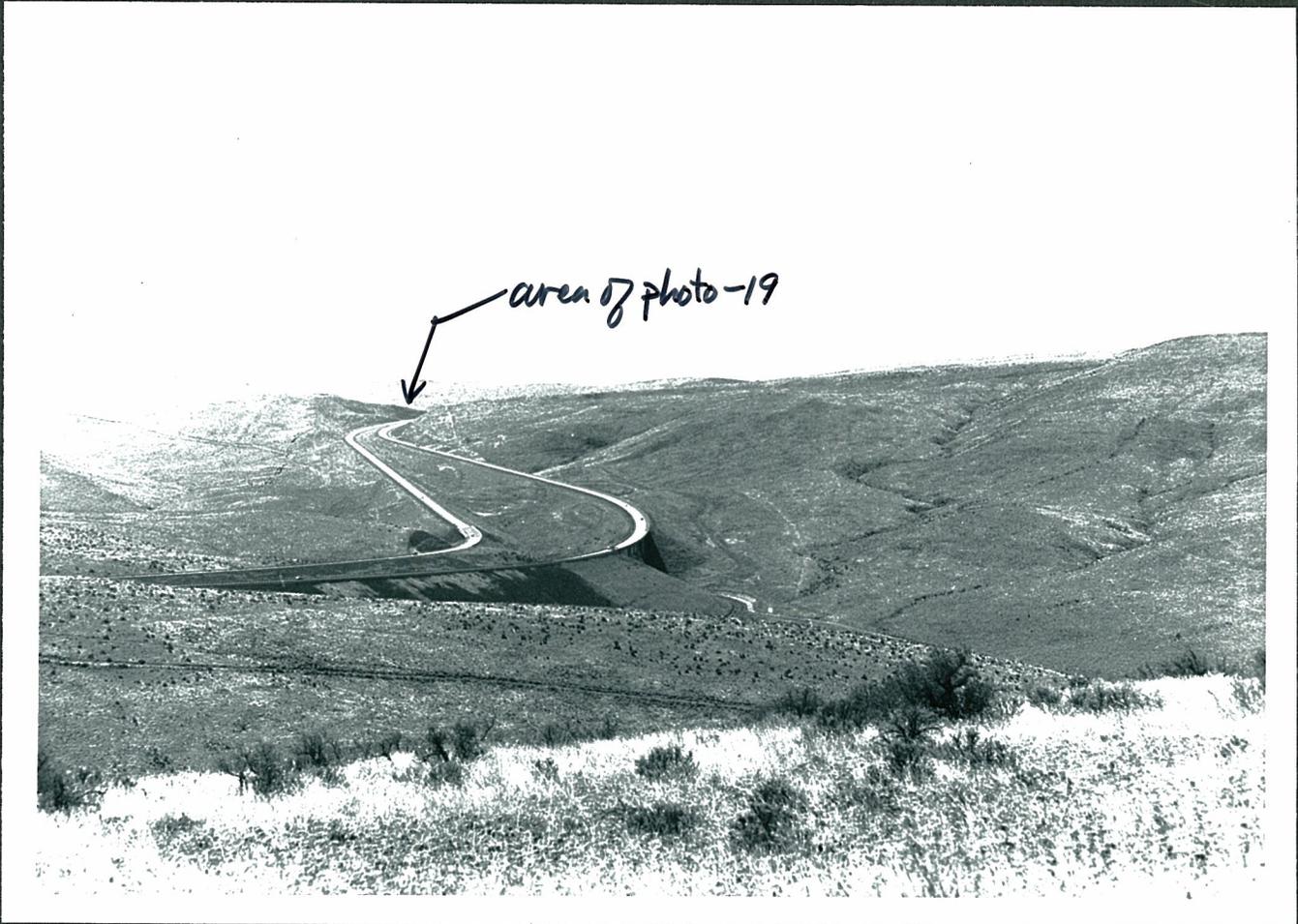
P-22:

View looking southwest at Umtanum
Anticline (Badger Pocket 15').



P-23:

View looking south at Burbank Valley;
area of photo #19 in left center;
Interstate 82 is visible; (Badger Pocket
15').



P-24:

View of Selah gravel quarry; notice
50 foot oxidized zone in arkose below
clay bed; ("Selah 15").



P-25:

View looking north at Naches Cliffs;
type section of Ellensburg Formation;
dip 3° NE; ("Selah 15").

P-26 a-h:

Section of Ellensburg Formation on
Wenas-Naches Road from top of grade
(elevation 1890') to last exposed
outcrop at bottom of grade (elevation
1640); dip 3° N; strike 55° W; ("Selah
15"; Naches 7.5'; Field notes 9/8/78
photos 4-11).

P-26a:

Top unit is pliestocene gravel; Second
unit is pink pumaceous Lahar; third unit
is gray, coarse, dacitic to andesitic
sandstone; (elevation 1890').

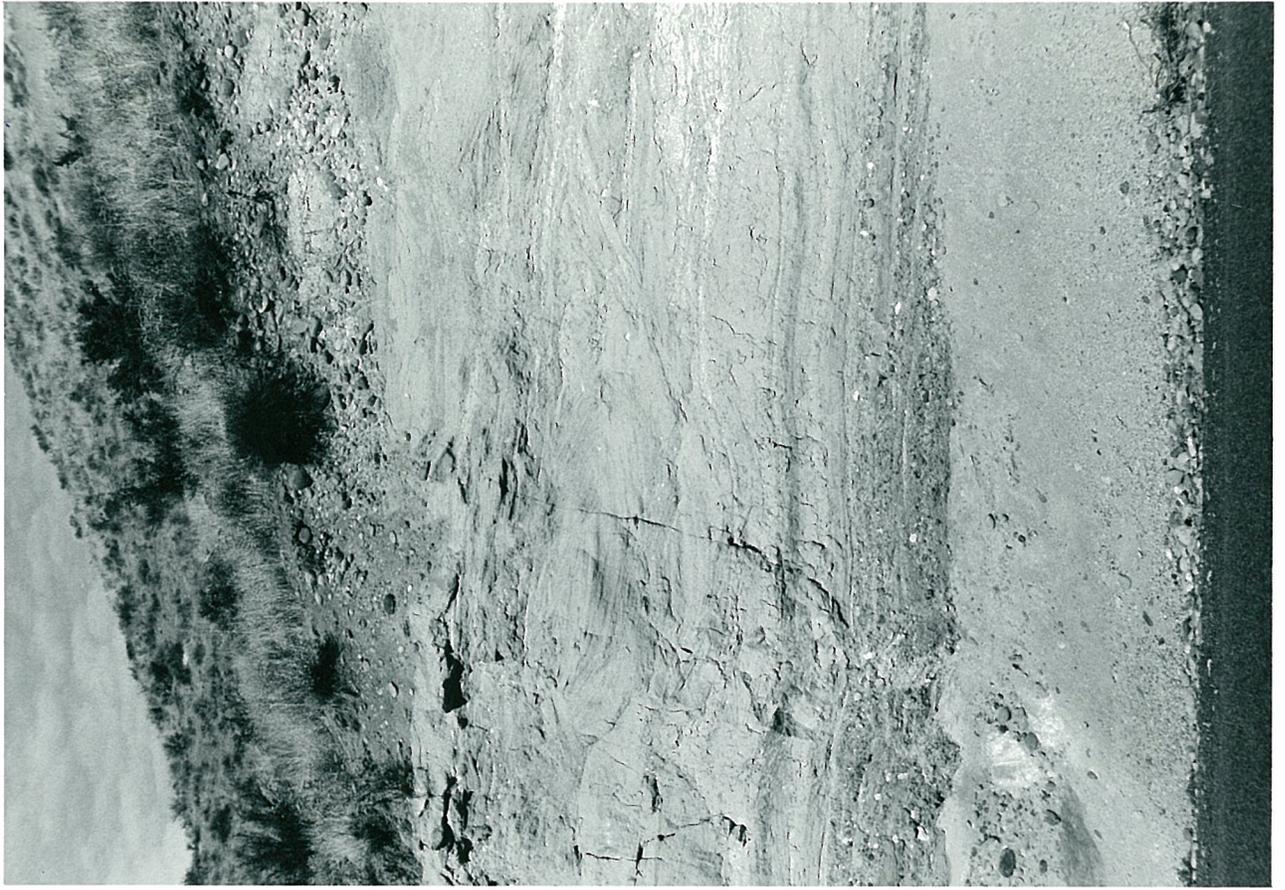


P-26b:

Lower unit is pink, pumaceous lahar; upper unit is gray, coarse sandstone; (elevation 1825); ("Selah 15").

P-26c:

Lower unit is gray, sandy, pumaceous lahar; middle unit is pink lahar with coarse sandstone with laharic lenses; (gray sandstone 35 feet thick, pink lahar 8 feet thick); ("Selah 15").

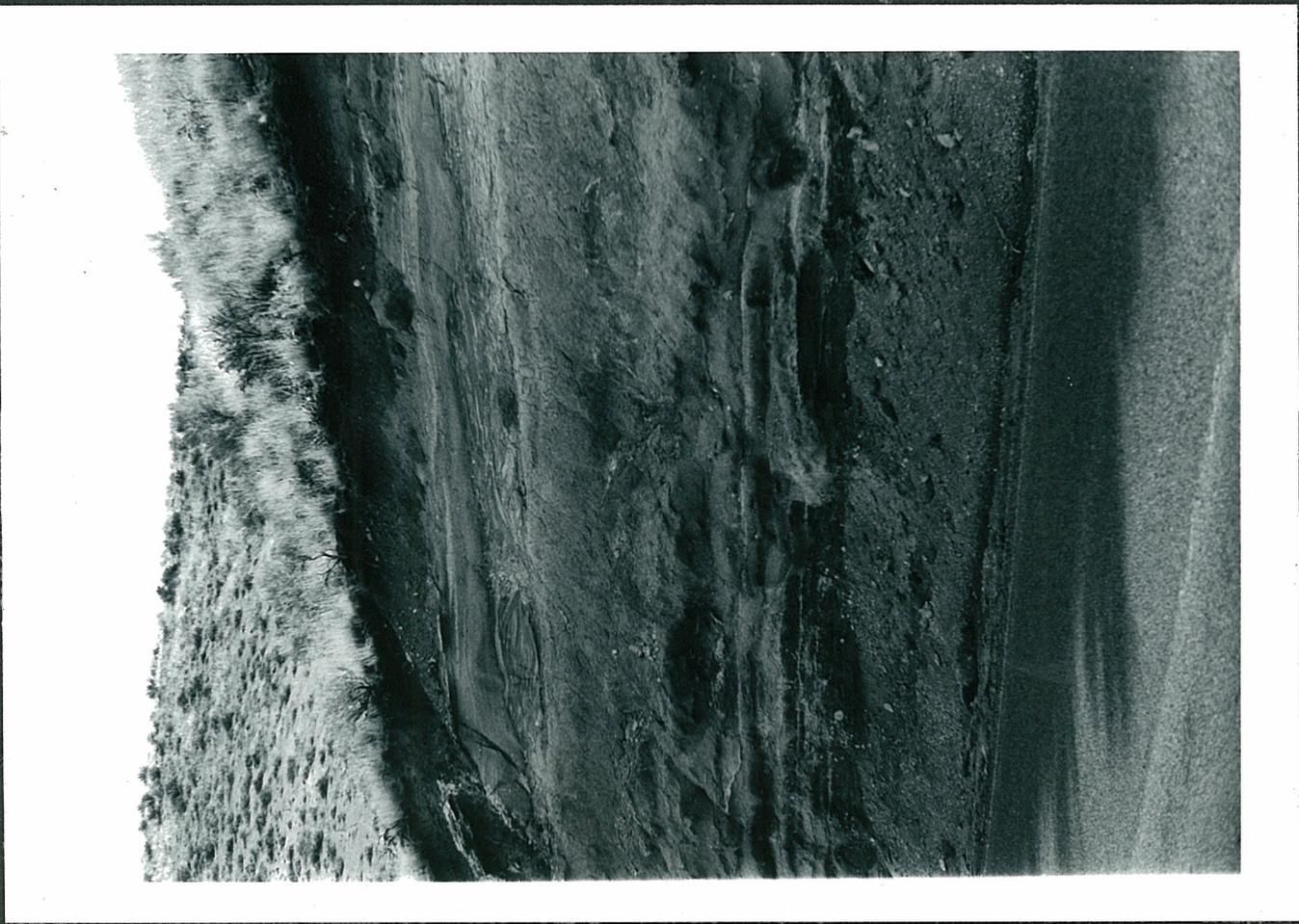


P-26d:

Quarried area at bend of road; gray cross-bedded, pumaceous sandstone with conglomeritic lenses. Upper unit (pink Lahar) has thinned (to south) to one to three feet thick; ("Selah 15").

P-26e:

Upper unit is gray pumaceous sandstone; middle unit is fourfoot thick, pink Lahar; lower unit is variably coarse sandstone to tuffaceous sandstone with pumaceous lenses, often with cut and fill structures; beds one inch to on foot thick; ("Selah 15").



P-26f:

Interbedded sandstone, tuffaceous sandstone and pumaceous lahars; gray to white; one massive gray to pink lahar near top; units six inches to two feet thick; ("Selah 15").

P-26g:

Lower unit is pink lahar; middle unit is four to five foot thick, gray sandstone; upper unit is cross-bedded to pumaceous gray sandstone.

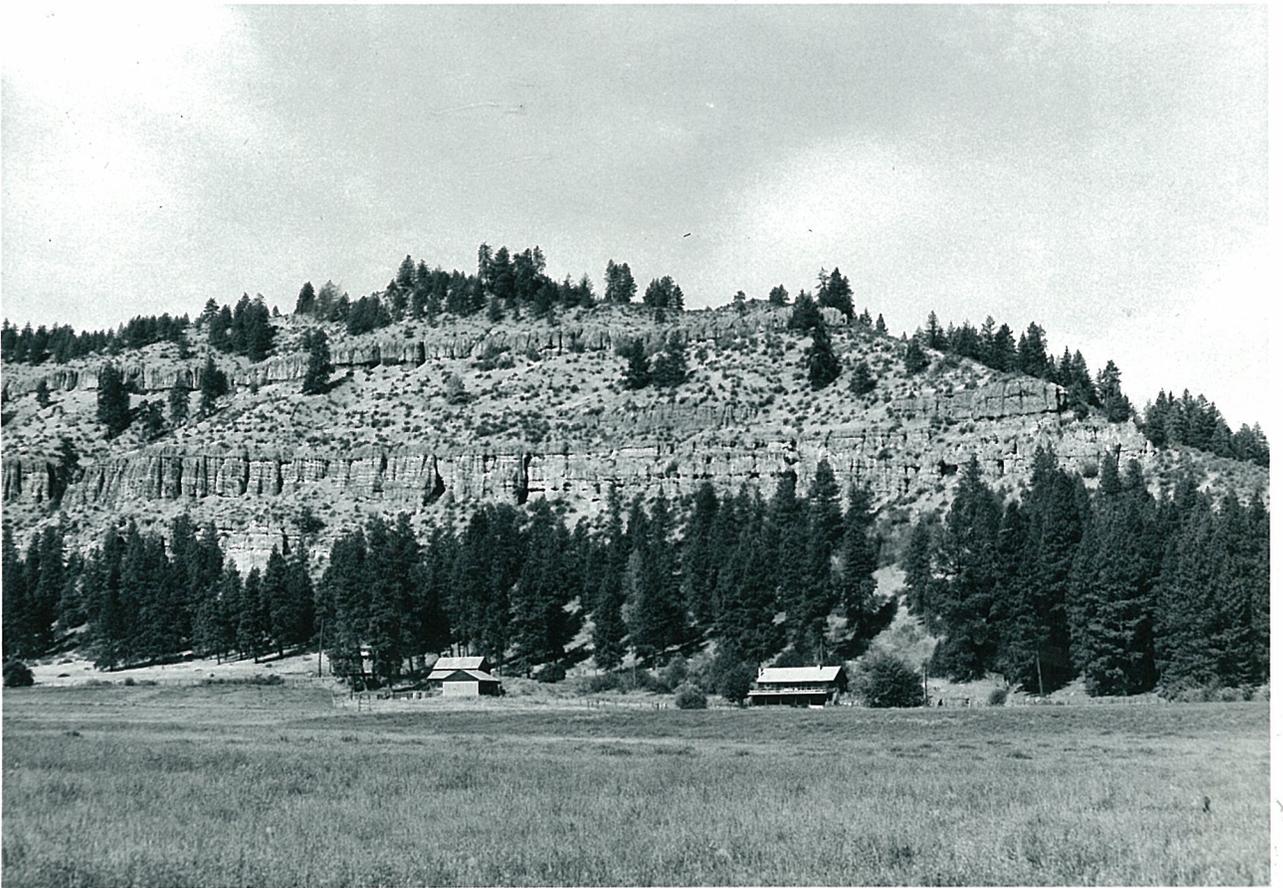


P-26h:

Crossbedded gray sandstone, pumaceous sandstone, pebbly sandstone, laharic gravel; clasts are rhyolite-dacite porphyry; ("Selah 15").

P-27:

Nile section; massive cliffs of extremely coarse lahars; units generally are 5 to 50 feet thick; clasts are one inch to 10 feet in diameter; ("Nile 15").



P-28:

Nile Creek area; cliffs of Fifes Peak Formation;
("Old Scab Mtn-Meeks Table 15").

P-29:

View looking northwest at Eagle Rock; possible
volcanic core to ancestral (Eocene) strato-
volcano; one probable source for Ellensburg
sediments; ("Old Scab Mtn-Meeks Table 15").

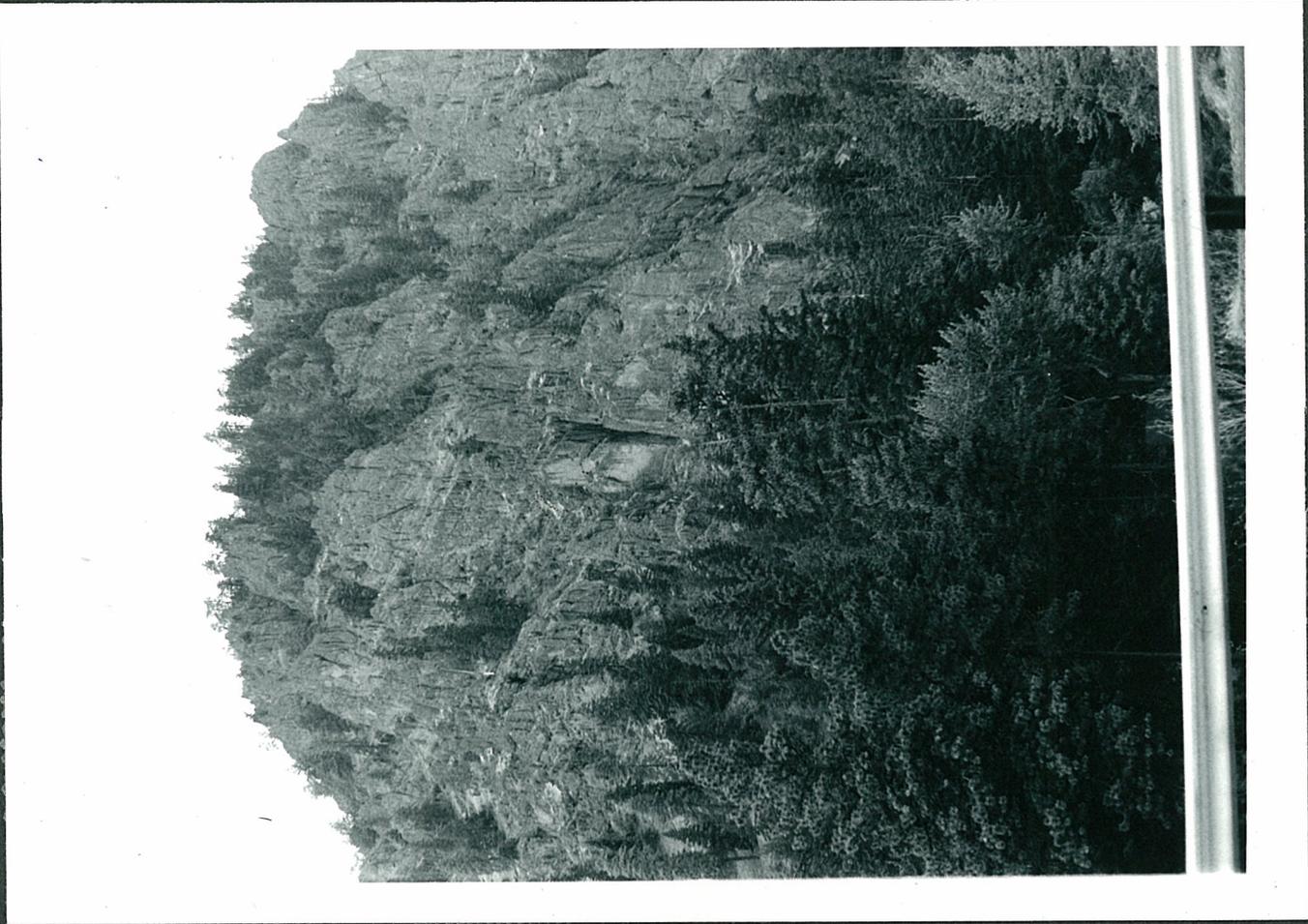


P-30:

View to southwest of Eagle Rock; volcanics
dip 30-50° NW; ("Old Scab Mtn-Meeks Table 15").

P-31:

View looking northwest from Little Bald Mountain
Lookout; Eocene rhyolites of Bumping Lake area
dipping steeply northwest; ("Old Scab Mtn.-
Meeks Table 15").



P-32:

Granite Lake Breccia at Granite Lake; phase of
Tatoosh Pluton; (Bumping Lake 15').

P-33:

View looking west, Snipes Mountain area;
Toppenish Ridge in distance; (Granger 15').

