outcrops of andesitic lavas and tuff lavas at the eastern end of 3100N and 2800N, and along the baseline at 2520N, 2700N and 2970N, can be extrapolated north-eastwards into the East Chester grid.

On line 2800N, 666W, there is outcrop of a coarse dacitic lapilli tuff containing thin (<5cm) black shale interbeds and clasts, and weakly pyritic. At 690W on the same line is an outcrop of a massive cherty fragmental rock, with fragments of acid tuff, dacite (?) and pyritic silicified black shale in a matrix of grey cherty rock. This is underlain to the west by a massive grey fine grained pyritic cherty unit. These silicified, cherty, shale bearing rocks are assigned to the Primrose Pyroclastics, although the Owen Shear is not exposed to provide direct evidence. This unit cannot be traced along strike, and there is no exposure in Holloway Rivulet that bears any resemblance to it. On line 2300N, at 800W, there is a leached, fine grained, net vein fractured rhyolite containing some flow banded rhyolitic/dacitic fragments, possibly representing a lava breccia; at 853W there is float of a brownish fine grained to coarse grained grit, containing angular to sub-rounded fragments, occasionally up to 10mm in diameter, of chert, limonite and kaolin.

It has not been possible to extrapolate Perkin's lithological units through to the north of the grid, and any inferred relationship is only tentative. The outcrop of dacitic tuff with black shale fragments and interbeds at 2800N, 666W, bears a striking resemblance to the Unit 3 description. If this interpretation is accepted, then Units 1 and 2 have been either tectonically removed by the Owen Shear, or the inferred northerly plunge of the sequence has meant that the lower units have disappeared beneath the younger ones.

No particular effort has been made to define more precisely the contact between the Primrose Pyroclastics and the Mount Black Volcanics to the east. The position of the contact as proposed by Perkin is accepted here. The northern extent of the contact cannot be determined as glacial till completely masks the area in the

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