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THE STRUCTURE AND TECTONICS OF
MESOZOIC DIKE SWARMS
IN EASTERN NEW ENGLAND

by

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A Dissertation

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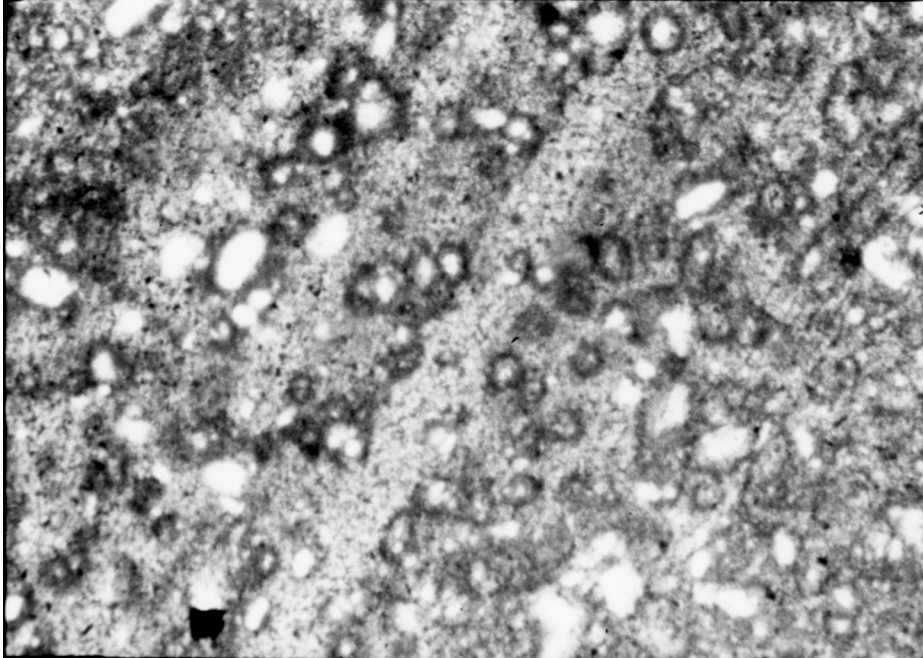


Figure 8b : Resorption haloes around xenolithic clasts
within pseudotachylyte.
(field of view approx. 2mm in width)

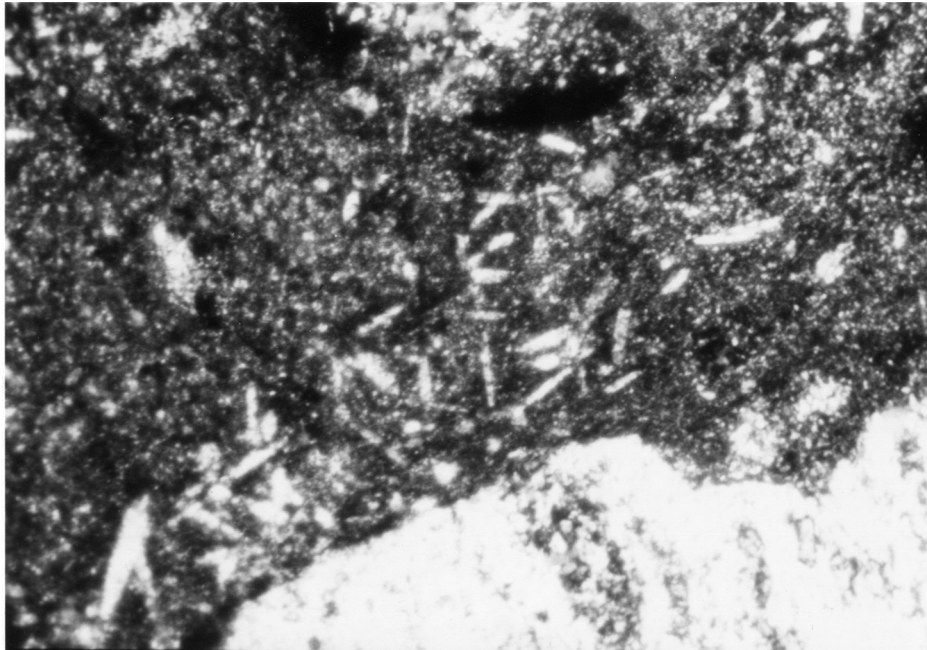


Figure 8c : Feldspar (?) microlites within pseudotachylyte
matrix at vein extremities.
(field of view approx. 0.75mm in width)

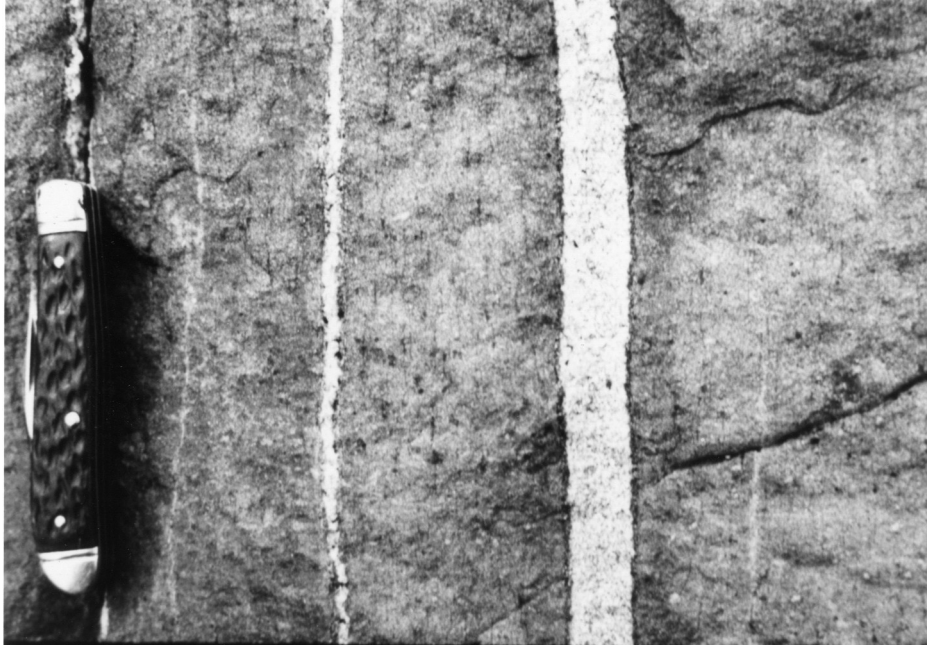


Figure 24a : Fracture fabric (fine dark lineations) and
felsic veining within mafic dike.

(knife scale = 7.3 cm.)

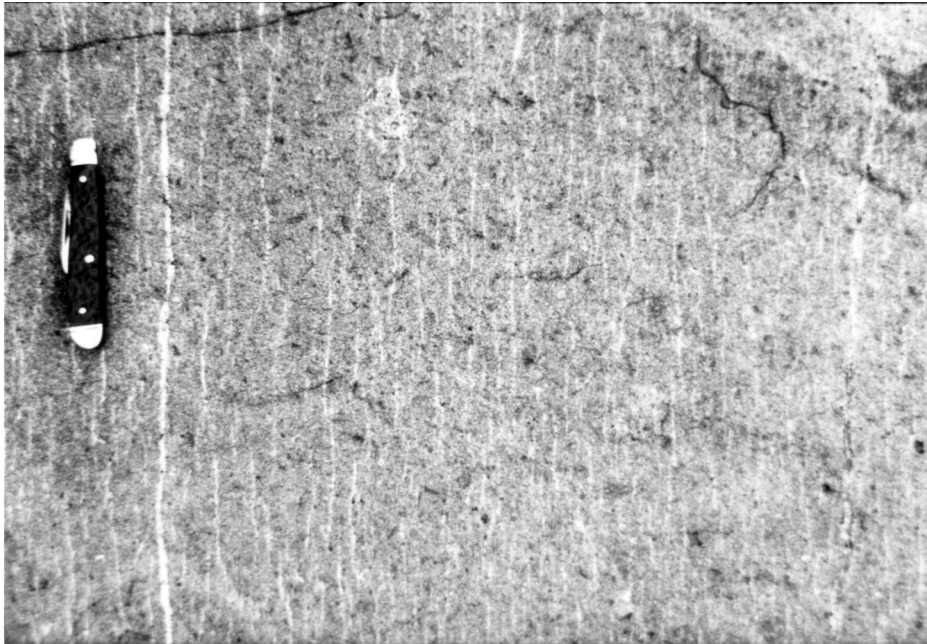


Figure 24b : Extensive irregular veining along fracture
fabric trend within mafic dike.
(knife scale = 7.3 cm.)

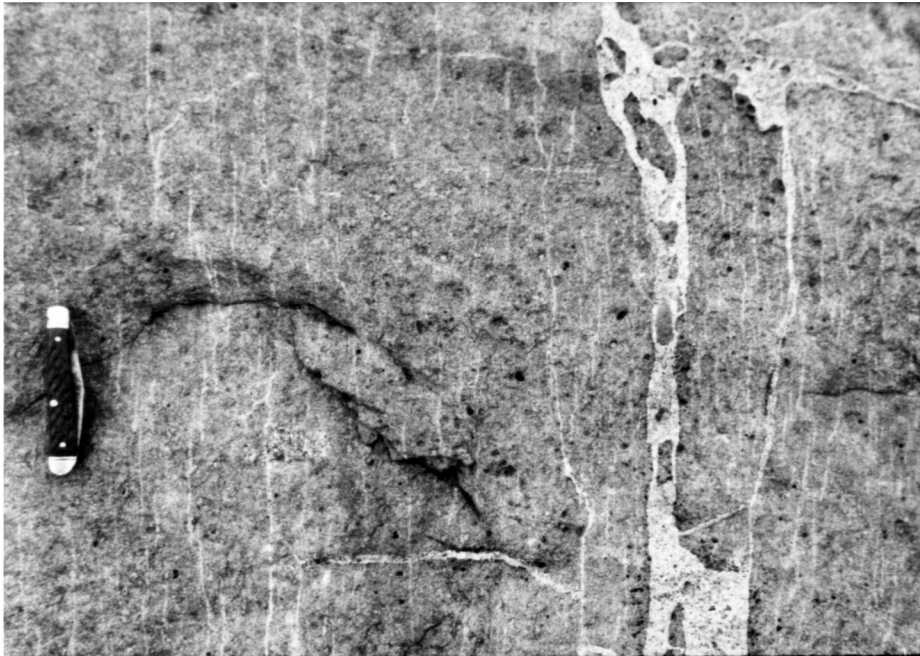


Figure 24c : Fine felsic veining and incipient brecciation
along fracture fabric trend within mafic dike.
(knife scale = 7.3 cm.)

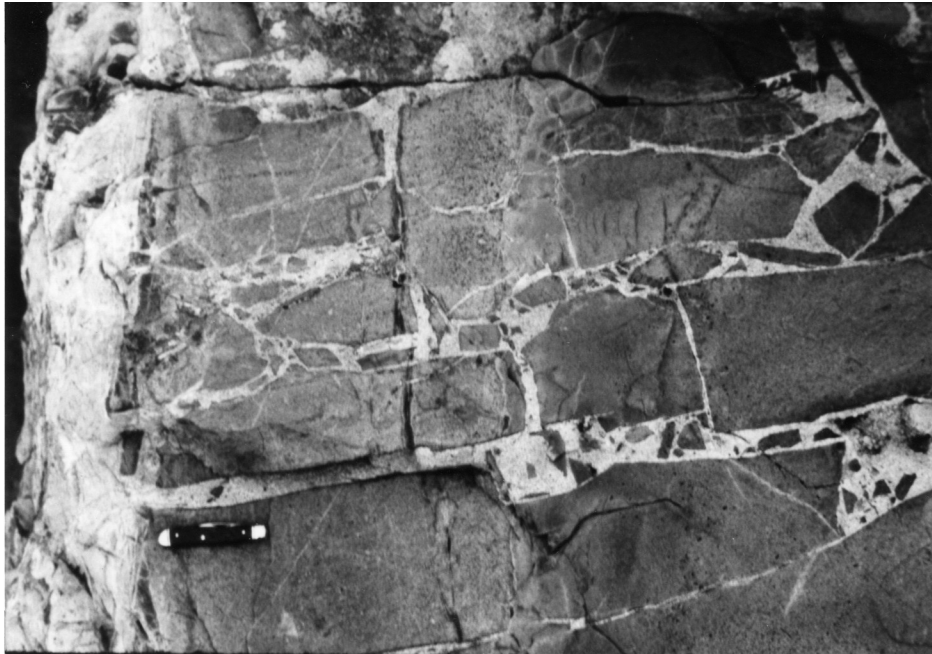


Figure 24d : Coarse felsic veining and brecciation along
fracture fabric trend within mafic dike.
(knife scale = 7.3 cm.)

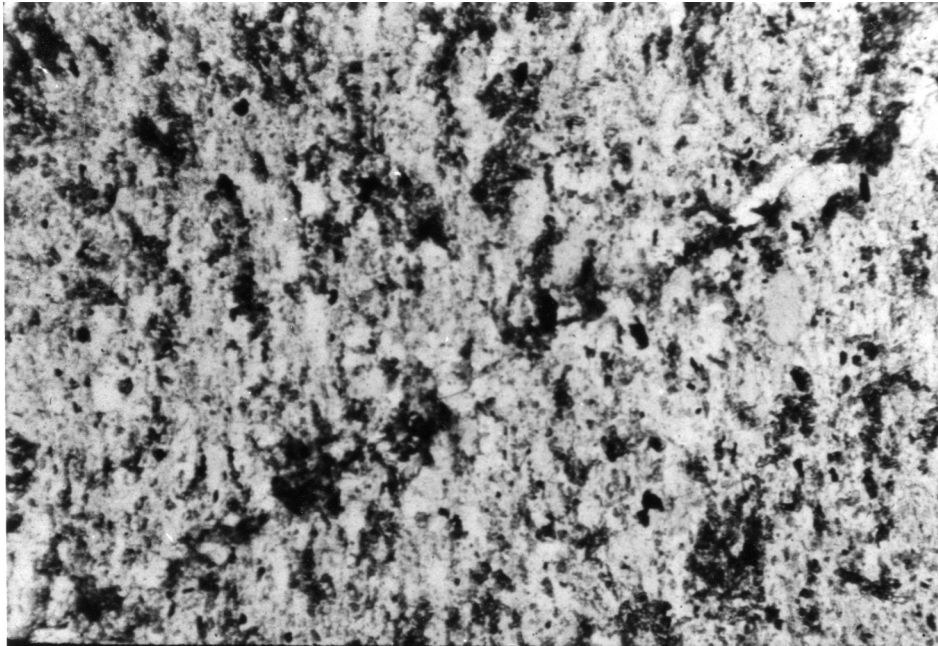


Figure 24e : Hornblende concentrations (with no preferred orientation) along fabric element within the Kittery quartzite (plane light).
(field of view approx. 2mm in width)

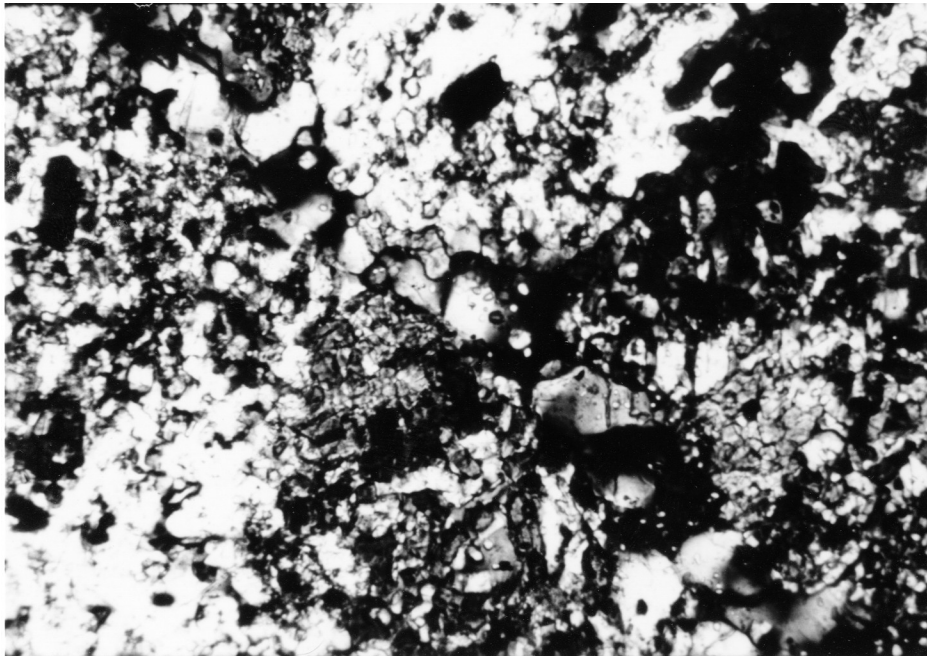


Figure 24f : Quartz concentration along fabric element
within the Kittery quartzite (crossed nicols).
(field of view approx. 2mm in width)

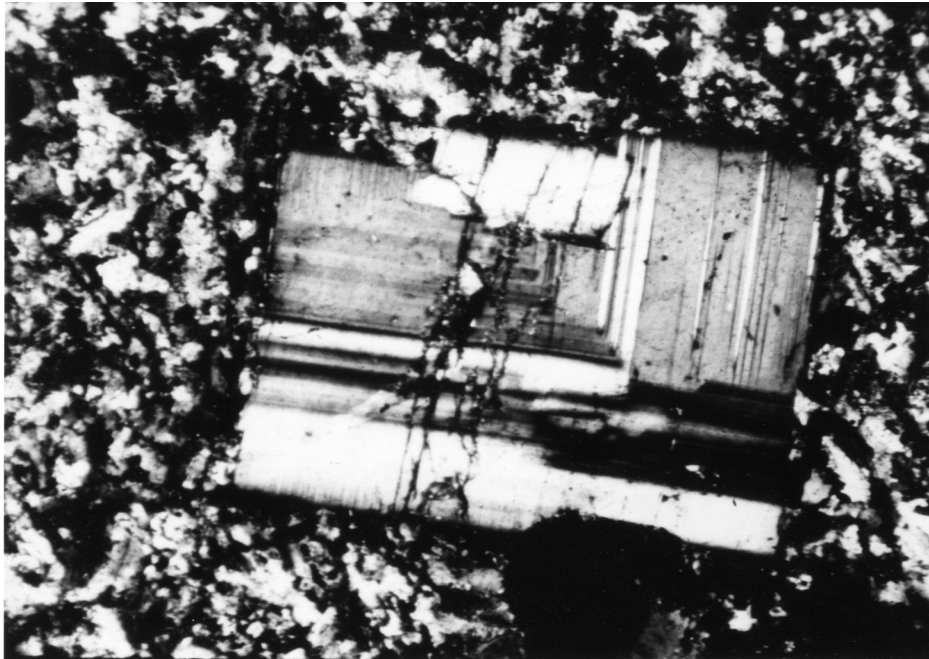


Figure 24g : Intracrystalline microbrecciation of plagioclase phenocrysts along fabric element within a felsic dike (crossed nicols).
(field of view approx. 2mm in width)

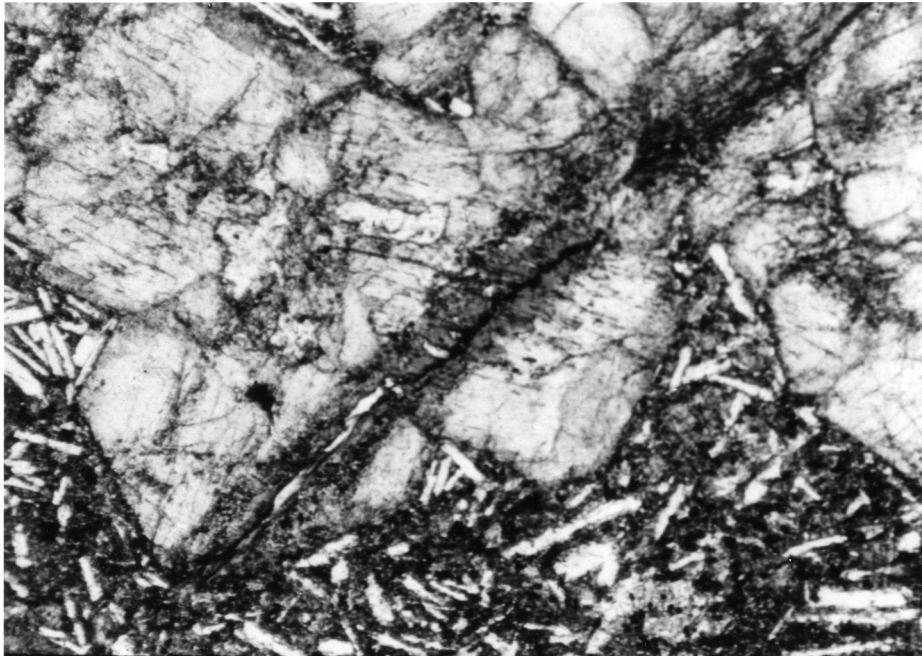


Figure 24h : Intracrystalline microbrecciation and hornblende alteration of augite phenocrysts along fabric elements within a mafic dike (plane light). (field of view approx. 2mm in width)