

458000 99°39'0"W 459000 99°38'0"W 460000 99°37'0"W

Preliminary Map PMAP2018-2 Bedrock geology of the Wekusko Lake pegmatite field (northeastern block), central Manitoba (parts of NTS 63J13)



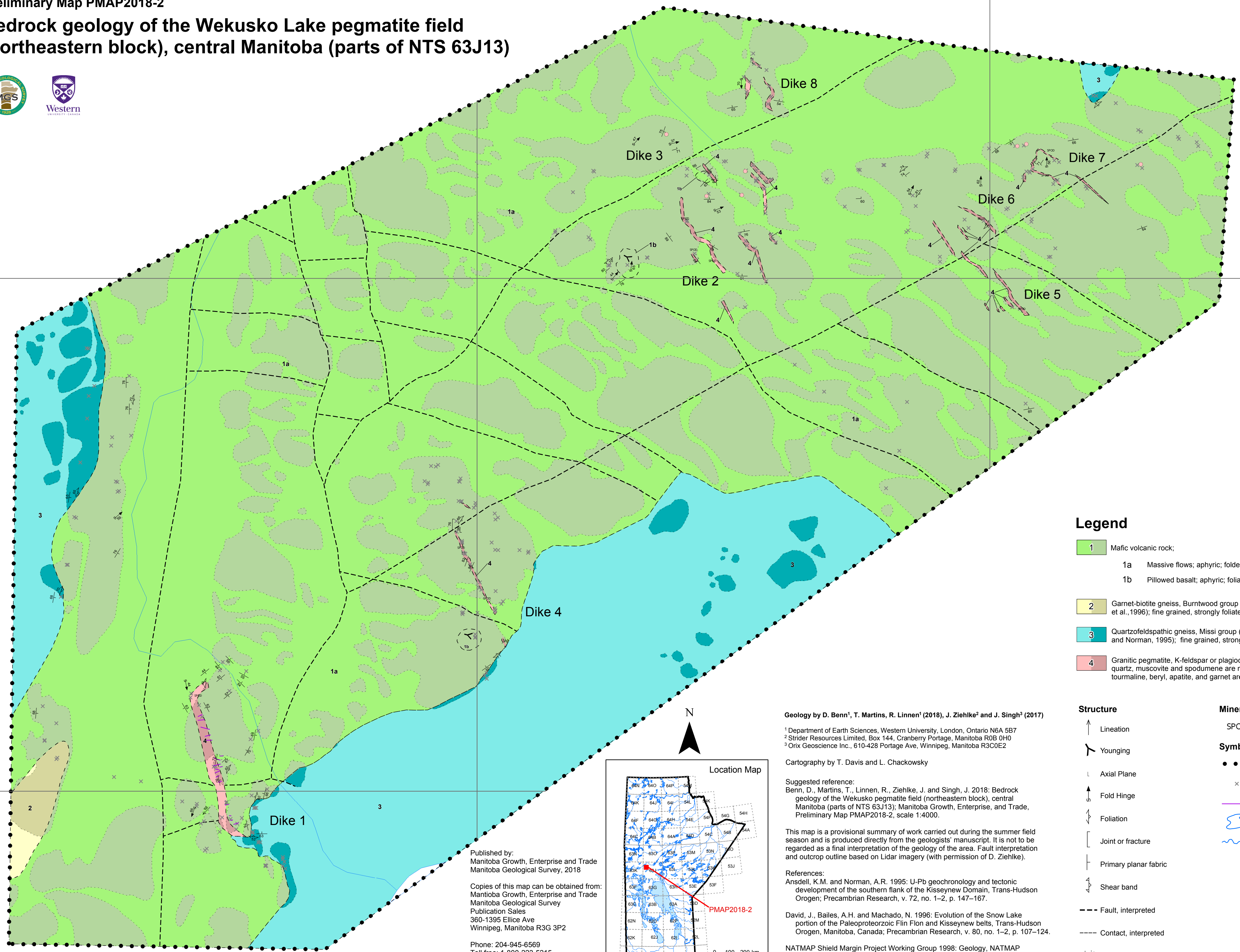
54°52'0"N
6080000

54°51'30"N
6079000

6079000

458000

NAD 1983 UTM Zone 14



54°52'0"N
6080000

54°51'30"N
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Legend

- 1 Mafic volcanic rock;
 - 1a Massive flows; aphyric; folded; foliated
 - 1b Pillowed basalt; aphyric; foliated
- 2 Garnet-biotite gneiss, Burntwood group (1.85-1.84 Ga; David et al., 1996); fine grained, strongly foliated garnet
- 3 Quartzofeldspathic gneiss, Missi group (1.87-1.83 Ga; Ansdell and Norman, 1995); fine grained, strongly foliated garnet
- 4 Granitic pegmatite, K-feldspar or plagioclase dominant; feldspars, quartz, muscovite and spodumene are major components; tourmaline, beryl, apatite, and garnet are accessory mineral phases

Structure

- Lineation
- Younging
- Axial Plane
- Fold Hinge
- Foliation
- Joint or fracture
- Primary planar fabric
- Shear band
- Fault, interpreted
- Contact, interpreted
- Outcrop boundary

Mineral Occurrences

- SPOD Spodumene

Symbols

- Limit of Mapping
- Station Location
- Trenches
- Shoreline
- Stream

Geology by D. Benn¹, T. Martins, R. Linnen¹ (2018), J. Ziehlke² and J. Singh³ (2017)

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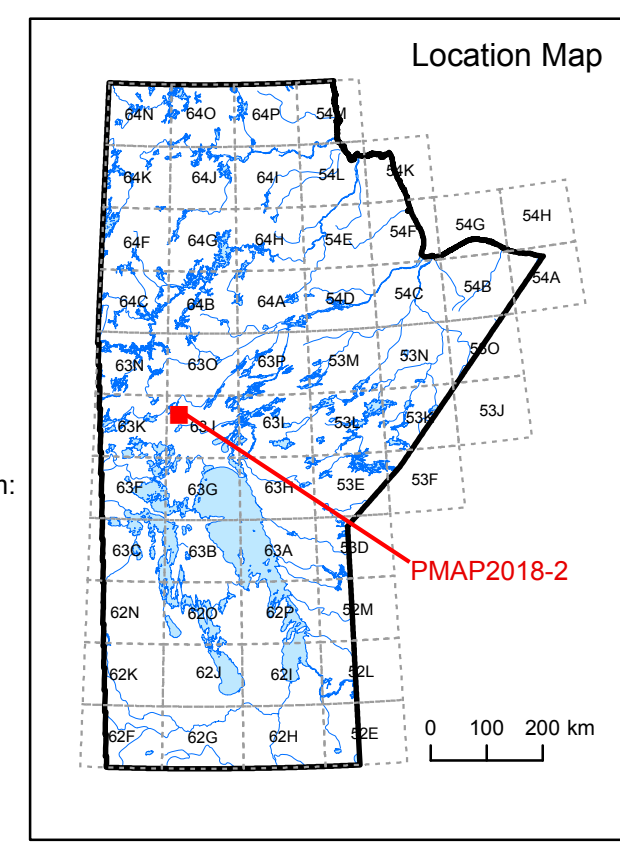
Suggested reference:
Benn, D., Martins, T., Linnen, R., Ziehlke, J. and Singh, J. 2018: Bedrock geology of the Wekusko pegmatite field (northeastern block), central Manitoba (parts of NTS 63J13); Manitoba Growth, Enterprise, and Trade, Preliminary Map PMAP2018-2, scale 1:4000.

This map is a provisional summary of work carried out during the summer field season and is produced directly from the geologists' manuscript. It is not to be regarded as a final interpretation of the geology of the area. Fault interpretation and outcrop outline based on Lidar imagery (with permission of D. Ziehlke).

References:
Ansdell, K.M. and Norman, A.R. 1995: U-Pb geochronology and tectonic development of the southern flank of the Kisseynew Domain, Trans-Hudson Orogen; Precambrian Research, v. 72, no. 1-2, p. 147-167.

David, J., Bailes, A.H. and Machado, N. 1996: Evolution of the Snow Lake portion of the Paleoproterozoic Flin Flon and Kisseynew belts, Trans-Hudson Orogen, Manitoba, Canada; Precambrian Research, v. 80, no. 1-2, p. 107-124.

NATMAP Shield Margin Project Working Group 1998: Geology, NATMAP Shield Margin Project area, Flin Flon belt, Manitoba/Saskatchewan; Geological Survey of Canada, Map 1968A, scale 1:100 000.



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