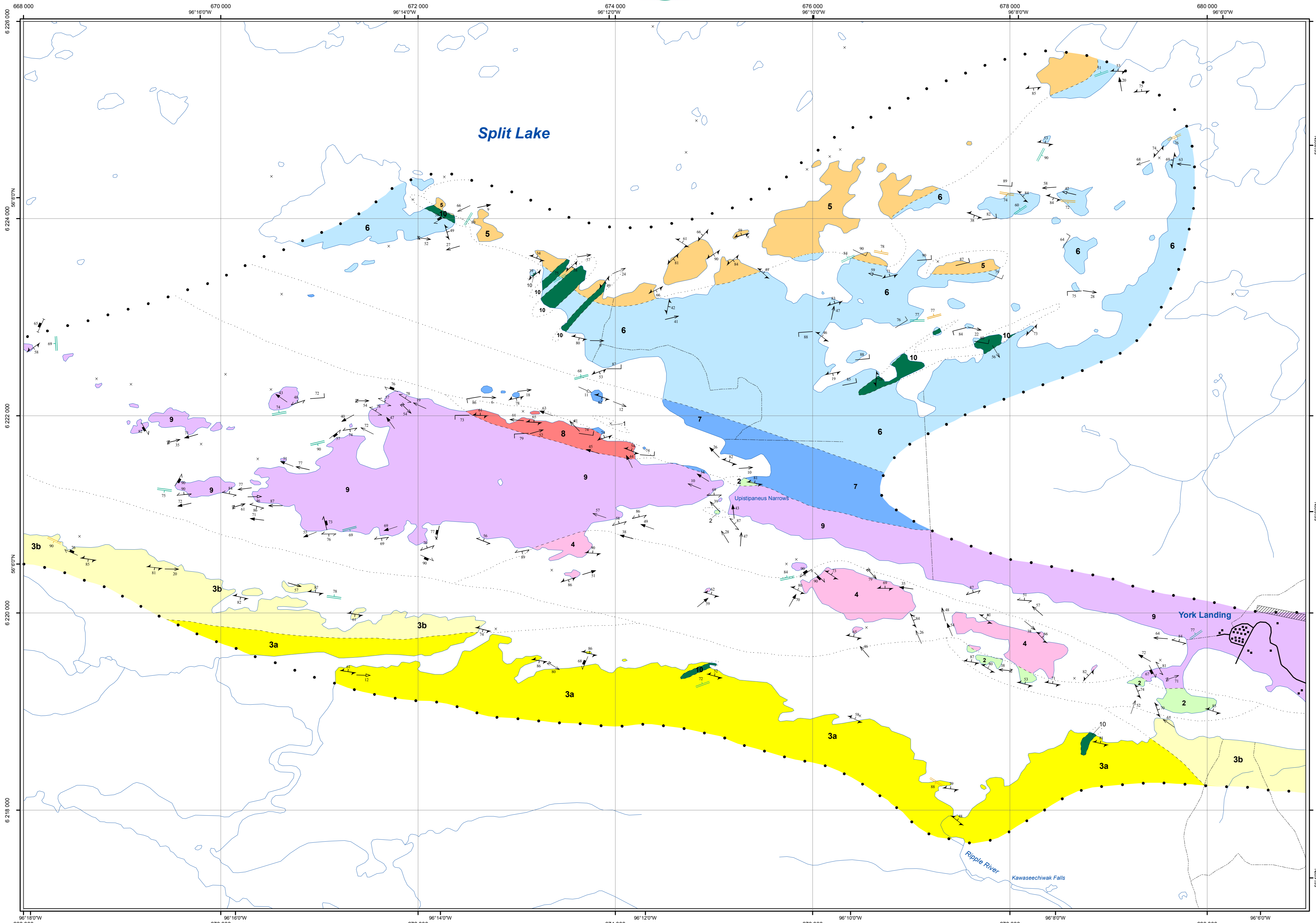




Structural geology of the Aiken River deformation zone, York Landing area, Manitoba (part of NTS 64A1)



Legend

- 10** Mafic dikes; undeformed to weakly deformed, fine to medium grained
- 9** Mylonite and protomylonite; fine to medium grained, granitic to granodioritic and locally mafic, decimetre-scale layers of chloritic schist, showing strong penetrative dextral, north-side-up fabric
- 8** Granitic gneiss with dextral, north-side-up shear bands
- 7** Tonalite to granodiorite gneiss; Hornblende/biotite-bearing with dextral, north-side-up shear bands; amphibolite rafts present
- 6** Hornblende/biotite tonalite to granodiorite gneiss with amphibolite rafts
- 5** Clotted tonalite to granodiorite with amphibolite rafts; contains clots of hornblende, commonly retrogressed to biotite or chlorite
- 4** Lit-par-lit gneiss of unit 3 with open to close folds
- 3a** Lit-par-lit gneiss consisting of centimetre- to metre-scale layers of granitic to granodioritic gneiss; amphibolite rafts present
- 3b** Lit-par-lit gneiss, fine grained, porphyroblastic
- 2** Layered amphibolite, locally with hornblende-plagioclase-hornblende selvages
- 1** Mafic granulite with melt layers; garnet-bearing, retrogressed under amphibolite facies metamorphism

Symbols

- Foliation: gneissosity, mylonitic foliation
- Axial planar foliation: post-gneissosity, pre-mylonitic foliation
- Shear zones: dextral, sinistral, sense unknown
- Minor fold axis: S-asymmetric, Z-asymmetric, symmetric or symmetry unknown
- Lineation: stretching, intersection
- Dike: mafic, felsic
- Geological contact; approximate, assumed
- Limit of mapping
- Building
- Runway
- Road
- Cut line
- Trail
- Reef

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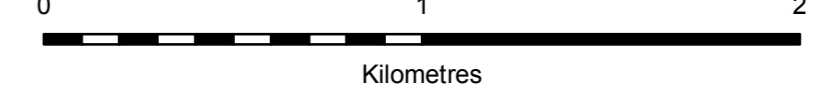
Cartography by P. Lenton and E. Truman

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Manitoba Geological Survey, 2004.

This map is a provisional summary of work carried out during the summer field season and is produced directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.

SUGGESTED REFERENCE:
Kuiper, Y.D. and Lin, S. 2004: Structural geology of the Aiken River deformation zone, York Landing area, Manitoba (part of NTS 64A1); Manitoba Industry, Economic Development and Mines, Manitoba Geological Survey, Preliminary Map PMAP2004-4, scale 1:20 000.

Scale: 1:20 000



Universal Transverse Mercator projection, Zone 14, North American Datum 1983

