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PUBLISHED WRITINGS

Articles in Professional Journals (Underline = Tulaczyk's students, postdocs, and visiting scholars):

Bavec, M., S. **Tulaczyk**, S. Mahan, and G.M. Stock, in press, Late Quaternary glaciation of the Upper Soca River region (Southern Julian Alps, NW Slovenia), *Sedimentary Geology*.

Bougamont, M., S. **Tulaczyk**, and Joughin, I., in press, Numerical investigations of the slowdown of Whillans Ice Stream, West Antarctica: is it shutting down like Ice Stream C? *Annals of Glaciology*.

Bougamont, M., and S. **Tulaczyk**, 2003, Glacial erosion beneath ice streams and ice-stream tributaries: constraints on temporal and spatial distribution of erosion from numerical simulations of a West Antarctic Ice Stream, *Boreas*, **32**, p. 178-190.

Bougamont, M., S. **Tulaczyk**, and I. Joughin, 2003, Response of subglacial sediments to basal freeze-on: II. Application to the stoppage of Ice Stream C, West Antarctica: *Journal of Geophysical Research*, **108**, Art. No. 2223.

Christoffersen, P., and S. **Tulaczyk**, 2003, Response of subglacial sediments to freeze-on: I. Theory and comparison with observations: *Journal of Geophysical Research*, **108**, Art. No. 2222.

Christoffersen, P., and S. **Tulaczyk**, 2003, Signature of palaeo-ice stream stagnation: Till consolidation induced by basal freeze-on, *Boreas*, **32**, p. 114-129.

Christoffersen, P., and S. **Tulaczyk**, 2003, Thermodynamics of basal freeze-on: Predicting subglacial signatures of interstream ridges and stopped ice streams, *Annals of Glaciology* **36**, p. 233-243.

Clark, C.D., S. **Tulaczyk**, C.R. Stokes, and M. Canals, in press, A groove-ploughing theory of the production of megascale glacial lineations and implications for ice stream mechanics: *Journal of Glaciology*.

Joughin, I., S. **Tulaczyk**, and H. Engelhardt, in press, Basal melt beneath Whillans Ice Stream, and Ice Streams A and C: *Annals of Glaciology*, **36**, p. 257-263.

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Vogel, S.W., S. **Tulaczyk**, and I. Joughin, in press, Distribution of basal melting and freezing beneath tributaries of Ice Stream C, West Antarctica, *Annals of Glaciology*, **36**, p. 273-283.

Joughin, I., and S. **Tulaczyk**, 2002, Positive mass balance of Ross Ice Streams, West Antarctica: *Science*, **295**, p. 476-480.

Tulaczyk, S., Scherer, R.P., and C.D. Clark, 2001, A ploughing model for the origin of weak tills beneath ice streams - a qualitative treatment: *Quaternary International*, **86**, p. 59-70.

Piotrowski, J.A., Mickelson, D.M., **Tulaczyk, S.**, and D. Krzyszkowski, 2001, Were deforming subglacial beds beneath past ice sheets really widespread? *Quaternary International*, **86**, p. 139-150.

Khatwa, A. and S. **Tulaczyk**, 2001, Comparing micromorphology of modern sub-ice-stream till and Quaternary tills: Do strong contrasts in abundance and nature of microstructures signify differences in genetic processes? *Journal of Quaternary Science*, **16**, p. 507-517.

Tulaczyk, S., Kamb, B., and H. Engelhardt, 2001, Estimates of subglacial effective stresses from till preconsolidation and till void ratio: *Boreas*, **30**, p. 101-114.

Tulaczyk, S., Kamb, B., and H. Engelhardt, 2000, Basal mechanics of Ice Stream B. I. Till mechanics: *Journal of Geophysical Research*, **105**, p. 463-481.

Tulaczyk, S., Kamb, B., and H. Engelhardt, 2000, Basal mechanics of Ice Stream B. II. Plastic-undrained-bed model: *Journal of Geophysical Research*, **105**, p. 483-494.

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Truffer, M., Motyka, R.J., Harrison, W.D., Echelmeyer, K.A., Fisk, B., and S. **Tulaczyk**, 1999, Subglacial drilling at Black Rapids Glacier, Alaska, U.S.A.: drilling method and sample descriptions: *Journal of Glaciology*, **45**, p. 495-505.

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Tulaczyk, S., Kamb, B., Scherer, R., Engelhardt, H.F., 1998, Sedimentary processes at the base of a West Antarctic ice stream: constraints from textural and compositional properties of subglacial debris, *Journal of Sedimentary Research*, **68**, p. 487-496.

Joughin, I., **Tulaczyk, S.**, Fahnestock, M., and Kwok, R., 1996, A mini-surge on the Ryder glacier, Greenland, observed by satellite radar interferometry: *Science*, **274**, p. 228-230.

Scientific Articles in Journals that are not Peer-reviewed:

Scherer, R.P., and **Tulaczyk, S.**, 1998, Diatoms in subglacial sediments yield clues regarding West Antarctic ice-sheet history and ice-stream processes: *Antarctic Journal of the United States*, **32**, p. 32-34.

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Book Chapters:

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Tulaczyk, S., Perry, E.C., Duller, C.E., and Villasuso, M., 1993, Influence of the Holbox Fracture zone on the karst geomorphology and hydrology of northern Quintana Roo, Yucatan Peninsula, Mexico, in *Applied Karst Geology*, ed. B. Beck, Balkema, Rotterdam, p. 181-188.

Articles in Scientific News Magazines:

Tulaczyk, S., Clow, G.D., Elliot, D.H., Powell, R.D., and J.C. Priscu, 2003, Workshop advances interdisciplinary polar science and fast ice sheet drilling, *EOS*, **84, p. 111.**