

Table 2.**Delta Junction Tower Sites Soil Data Base:****Site description and location.**

Delta Junction is located in central Alaska, ~115 miles southeast of Fairbanks, at the intersection of the Alaska and Richardson Highways (Alaska state highways 2 and 4, respectively, see Fig. 1). The sites described here are located near Delta Junction, within the Donnelly Flats (DF) region. Both sites are located south of town. From Delta Junction take Richardson Hwy. south past Jarvis Creek, the main gate of Ft. Greeley, and Pump Station #9. Make a left on Meadows Road. Drive over the pipeline. To get to the Tower Control site (DFTC), take a right at the next intersection (which may look like a fork as it has a large grassy area in the center). Drive ~2.75 miles. The Tower Control site will be located on the left at 63°53.322' N 145°44.439', just before a large grassy area, also on the left. The second site, Tower Burn (DFTB), is also off of Meadows Road. Instead of veering right at the intersection, go straight. Take a left at the next T-intersection. The Tower Burn site will be ~0.5 miles down the road on your right at 63°55.210' N, 145°44.355' W.

- DFTC1 Donnelly Flats Tower Control Profile 1 is located 300 m south of tower along the N-S transect. Described and sampled to 40 cm by J. Harden and J. Raymond on 2 Aug 2000. Vegetation: *Picea mariana* (black spruce), and mosses *Hylocomium sp.*, *Dicranum sp.* and *Vaccinium vitis-idaea*.
- DFTC6 Donnelly Flats Tower Control Profile 6 is located 200 m south of control tower along the N-S transect. Described and sampled by J. Harden on 2 Aug 2000 to 66 cm. Vegetation: *Picea mariana*, *Pleurozium sp.*, *Ledum sp.*
- DFTC11 Donnelly Flats Tower Control Profile 11 is located 150 m south of control tower along the N-S transect. Described and sampled by K.L. Manies on 3 Aug 2000 to 105 cm. Vegetation: *Picea mariana*, *Cladina sp.*

- DFTC16 Donnelly Flats Tower Control Profile 16 is located 100 m south of control tower along the N-S transect. Described and sampled by J. Raymond and J. Harden on 3 Aug 2000 to 90 cm. Vegetation: *Picea mariana*, *Ledum sp.*, *Pleurozium sp.*; *Cladina sp.* nearby.
- DFTC20 Donnelly Flats Tower Control Profile 20 is located 20 m south of control tower along the N-S transect. Described and sampled by J. Harden and K.L. Manies on 4 Aug 2000 to 17 cm. Vegetation: *Picea mariana* and *Cladina sp.* with some *Ledum sp.*, *Hylocomium sp.* nearby.
- DFTC21 Donnelly Flats Tower Control Profile 21 is located 150 m east of the control tower. Described and sampled by J. Harden and J. Raymond on 5 Aug 2000 to 65cm. Vegetation: Closed canopy of *Picea mariana*, with *Vaccinium vitis-idaea*, *Ledum sp.*, *Hylocomium sp.*, *Cladina sp.*
- DFTC22 Donnelly Flats Tower Control Profile 22 is located 100 m south of control tower. Described and sampled by J. Harden and J. Raymond on 7 Aug 2000. Vegetation: *Picea mariana*, *Vaccinium vitis-idaea*, *Ledum sp.*, *Betula sp.*, *Salix sp.*, Lichen, *Peltigera sp.*
- DFTC23 Donnelly Flats Tower Control Profile 23 is located 150 m east of control tower. Described and sampled by J.Harden and J. Raymond on 8 Aug 2000. Vegetation: *Picea mariana*, *Cladina sp.* with *Ledum sp.*, *Vaccinium vitis-idaea*, *Vaccinium uliginosum*.
- DFTB1 Donnelly Flats Tower Burn Profile 1 is located 300 meters south of burn tower. It was described and sampled to 70 cm by J. Raymond on 5 Aug 2000. Vegetation: dead, burned black spruce with regrowing, sparse *Ceratodon sp.* and *Polytricum sp.*

- DFTB4 Donnelly Flats Tower Burn Profile 4 is located at 63°55.082' N 145°44.557' W. Described by J. Harden on 5 Aug 2000 to 58 cm. Vegetation: Burned *Picea mariana* with re-growing grass.
- DFTB5 Donnelly Flats Tower Burn Profile 5 is located 300 m south of burn tower. Note that this profile is at the same location as DFTB1 but in a different part of the pit. Described and sampled by J. Raymond on 5 Aug 2000 to 65 cm. Some *Lupinus sp.*, mint.
- DFTB7 Donnelly Flats Tower Burn Profile 7 is located 200 m south of burn tower. Described and sampled by J. Raymond on 7 Aug 2000 to 88 cm. No live vegetation.
- DFTB18 Donnelly Flats Tower Burn Profile 18 is located 120 meters east of burn tower. Described and sampled by J. Raymond on 7 Aug 2000 to 67 cm. No live vegetation.
- DB1 Donnelly Flats Tower Burn is located at 63°55.223' N 145°44.687' W. Described and sampled by J.Harden and J.Neff on 7 Jul 2000 to 50 cm. Vegetation: Dead *Hylocomium sp.*