1145-37-1851   **Scott Schmieding*** (`schmiedi@math.northwestern.edu`) and **Kitty Yang** (`kyang@math.northwestern.edu`). *The mapping class group of a minimal subshift (part 2).* Preliminary report.

The mapping class group $\mathcal{M}(\sigma)$ of a subshift (X, σ) is the group of isotopy classes of self homeomorphisms of the suspension space associated to (X, σ). $\mathcal{M}(\sigma)$ plays the role of a symmetry group for the flow equivalence relation on subshifts. We will discuss constraints on $\mathcal{M}(\sigma)$ when σ is a low complexity minimal subshift, and its relation to the group of automorphisms of the subshift σ. In particular, when (X, σ) is a minimal subshift associated to a substitution, we show that $\mathcal{M}(\sigma)$ is an extension of $\mathbb{Z}$ by a finite quotient of the automorphism group. This is joint work with Kitty Yang. (Received September 24, 2018)