Figure S1 Light micrographs of diatoms found in the loggerhead skin samples. Scale bars = 5µm

Sample HPM9: A – *Achnanthes elongata*, B – *Poulinea lepidochelicola*, C - *Nagumoea* sp., Sample HPM69: D - *Diploneis* *smithii*, E- *Astartiella* cf. *bahusiensis*, F - *Diploneis* *decipiens* var. *parallela*, G – *Chelonicola* sp., HPM69: H - *Nitzschia* sp. 7, I - *Nitzschia* sp. 8, J – *Psammodictyon* cf. *panduriforme*, K - *Amphora bigibba*, L - *Stauroneis* sp. 1, HPM33: M - *Berkeleya* cf. *fennica,* N – *Diploneis decipiens* var. *paralella*, O – *Pseudogomphonema* cf. *kamschaticum,* P *- Tursiocola* sp.1, HPM25: R – *Cyclophora tenuis,* S - *Nitzschia* sp. 6, T - *Hyalosira* sp., U - *Cocconeis scutellum,* HPM70: V - *Cocconeis* sp. 5, W – *Nitzschia* sp. 3, X – *Fragilaria* sp. 1, Y – *Amphora* cf. *proteoides,* HPM71: Z - *Cyclotella* sp. 3, AA – *Cocconeis* *convexa,* AB – *Amphora* cf. *pusio,* AC – *Berkeleya* cf. *fennica* AD - *Proschkinia* sp. 1

Figure S2. Scanning electron microscopy images of diatom taxa found in samples HPM9 and HPM69 (A) *Trigonium* sp., scale bar 50 µm; (B) *Navicula* sp., scale bar 1 µm; (C) *Amphora* sp., scale bar 2.5 µm; (D) and (E) *Nagumoea* sp., scale bar 1 µm; (F) *Nitzschia* sp., scale bar 5 µm; (G) *Hyalosira* sp., scale bar 2.5 µm.