



Flood Dog Project Case



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Summary

All parts for a Flood Dog Project Case

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Tags: [water](#) [sensor](#) [particle](#) [flood](#) [boron](#)

Flood Dog Co. is a not for profit organization dedicated to designing, building, deploying, and monitoring smart devices to collect ground, surface and lake water levels along the Great Lakes.

Flood Dog is working to enable a pilot project entitled **42 Flood Dogs** which would deploy 42 cellular IoT-connected sensor units across the Toronto Islands.

The Toronto Islands is a unique ecosystem, and through its diversity represents so many of the varied environments found along the Great Lakes. The location includes a variety of spaces including parkland, schools, residential, and light industrial. The Islands offer wetland habitats for many species of birds, as well as other wildlife. Flooding in 2017 and then again in 2019 threatened this delicate biome and effectively closed a valuable city resource.

The 42 **Flood Dogs** project will track the data from 42 low-cost sensor devices installed in strategic locations across the Islands every 15 minutes for 12 months. For about one dollar a day per device, they will provide

detailed granular water level readings in near real time over a secure cellular network. This real time data will be freely available to government, businesses, educators, researchers, and home owners through [Seagull](#).

Model files



flood-dog-v59-v17.f3z



flood-dog-v59-17-full-model.stl



top-v59-17.stl



mount-v59-17.stl



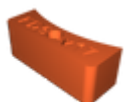
locking-cap-v59-17.stl



gasket-v59-17.stl



bottom-v59-17.stl



locking-pin-v59-17.stl



left-wire-wrap-v59-17.stl



right-wire-wrap-v59-17.stl



left-cable-gland-inner-seal-v59-17.stl



right-cable-gland-inner-seal-v59-17.stl



left-cable-gland-washer-v59-17.stl



right-cable-gland-washer-v59-17.stl



right-cable-gland-cap-v59-17.stl



left-cable-gland-cap-v59-17.stl



badge-v59-17.stl



badge-template-v59-17.stl



battery-spring-v59-17.stl



battery-spring-large-v59-17.stl



upper-slide-v59-17.stl



lower-slide-v59-17.stl



left-bracket-v59-17.stl



right-bracket-v59-17.stl



square-pole-cutout-v59-17.stl



flood-dog-v59-v20-top-pole-mount.stl



pcb-adapter-mpu6050-v1-v23.stl



pcb-adapter-jsn-sr04t-v14.stl

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