July in 2018 The operations From the outset of disasters to the emergency recovery



to bring back normal daily lives

as soon as practical

Chugoku Regional Development Bureau have captured the whole picture of damages by Emergency response helicopter since July 8. We enumerated required demands based on detailed disaster lookout taken by UAV(drone), which provided real time **IMAGES** of miniature cameras via satellite communication

equipment.



Real time observation by a satellite communication equipment(Ku-SATII) Investigation of disaster situation by drone

Real time observation by a satellite communication car

Keep in mind \sim How we responded to "the heavy rain disaster in July 2018" \sim

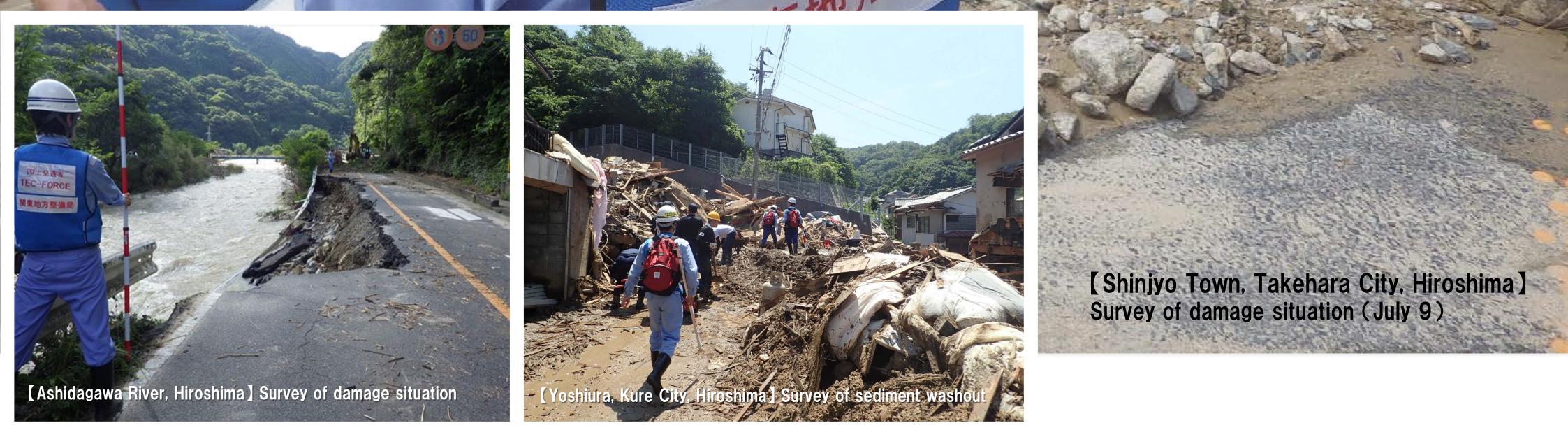
TEC-FORCE operation mobilized from all around the nation

The personnel of TEC-FORCE corps mobilized for "the heavy rain disaster in July 2018" were **6,163 person-day**. (From July 5 to September 21) This effort is ranked third next to "Great East Japan Earthquake of March 11, 2011" (18,115 person-day) and "the 2016 Kumamoto earthquake." (10,912 person-day)

TEC-FORCE carried out technical support immediately for early recovery in disaster striked areas.

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Keep in mind \sim How we responded to "the heavy rain disaster in July 2018" \sim

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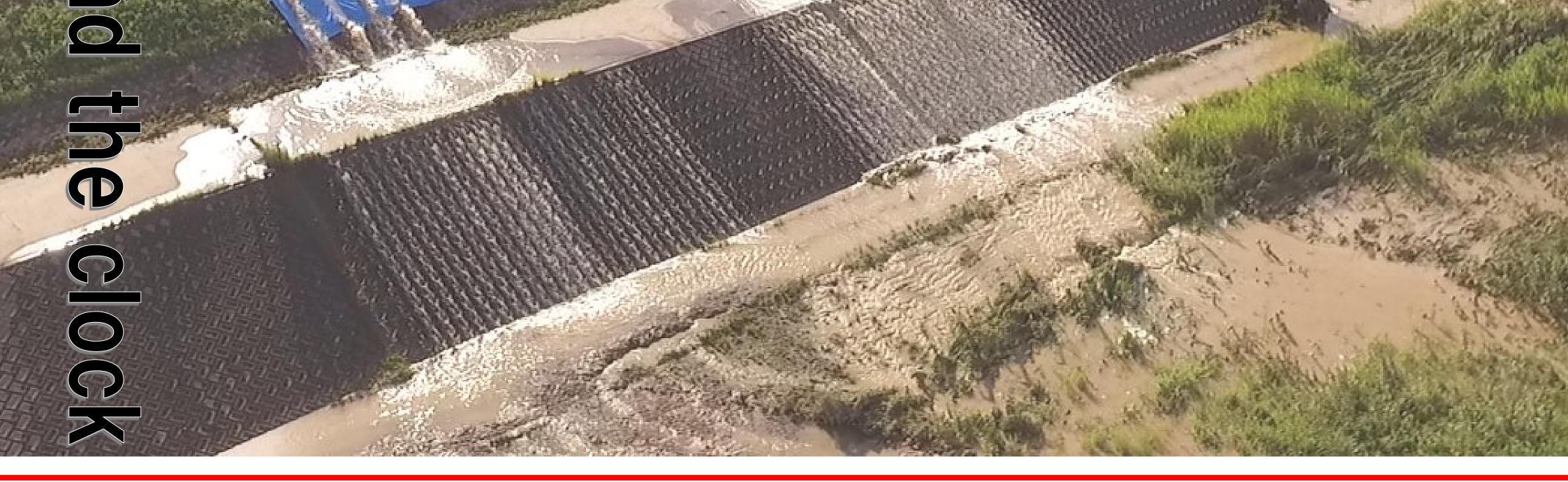
Right on the day flood disaster occurred in July 7, we **massed drainage pomp vehicles** to Mabi Town, Kurashiki City, Okayama from all around the nation. We managed to start the drainage operation, keeping up day-in and day-out, by 23 fleets since July 8, and accomplished its operation on July 11. The amount of drained flood water was not less than 700,000m³.

This is about 2,000 times as much as 25m swimming pool.



[Mabi Town, Kurashiki City, Okayama] The drainage operations were put in place.

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Keep in mind \sim How we responded to "the heavy rain disaster in July 2018" \sim

Team formation and the total team of the team of team

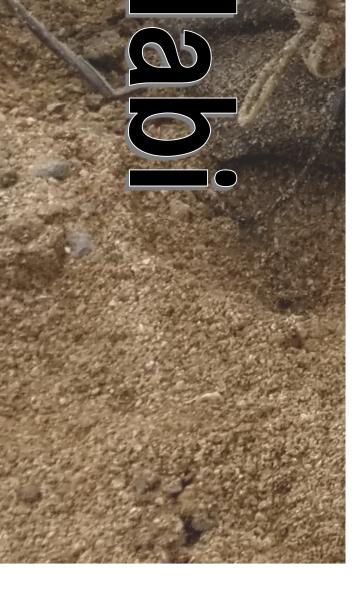
There were left-out cars and huge amount of sediment on roads in flood areas after levees failure.

We formed a team, "TEC-FORCE: road clean-ups in Mabi Town" in two days after levee failure, and started to reopen community roads as emergency flood water pump out operations were finished.

At last, we were able to clean out sediment on highways in July 15.



Dispatching clean-up operation machines to flooded area to remove left-out automobiles and sediment from the areas as soon as practical.



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[Mabi Town, Kurashiki City, Okayama] removing operation of left out cars

Keep in mind \sim How we responded to "the heavy rain disaster in July 2018" \sim