

Research regarding levee strengthening measure in hazardous places

[Point]

Regarding hazardous places for infiltration, there is necessity of examination regarding effective and economic levee strengthening measure construction, as soon as possible. Then, to clarify the applicability of the measure construction using new technologies, such as fibre mixture soil, we examined by the large size model test, with reproducing hazardous places. In addition, we examined regarding levee strengthening measure around sluiceway that is one of weak points.

As a result, regarding lower permeability levee bodies, which are weakened by rainfall seepage, seepage control sheet covering method was effective. Moreover, as for levees around sluiceway, simple methods such as counterweight embankment and moon ring method were effective.

Keyword : river levee, levee overhaul, seepage failure, strengthen measure method, sluiceway