



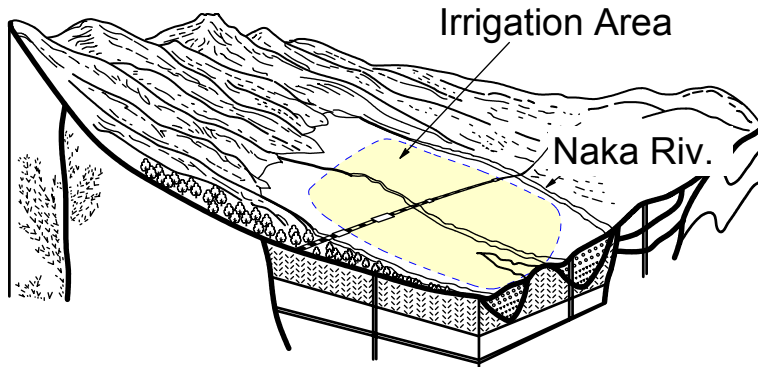
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Disaster Prevention Functions of Irrigation Facilities and Maintenance Activities

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Fig.1 Study Area and an Outline of Nasunogahara Irrigation Canal System



Nasunogahara Land Improvement District (Tochigi Prefecture)

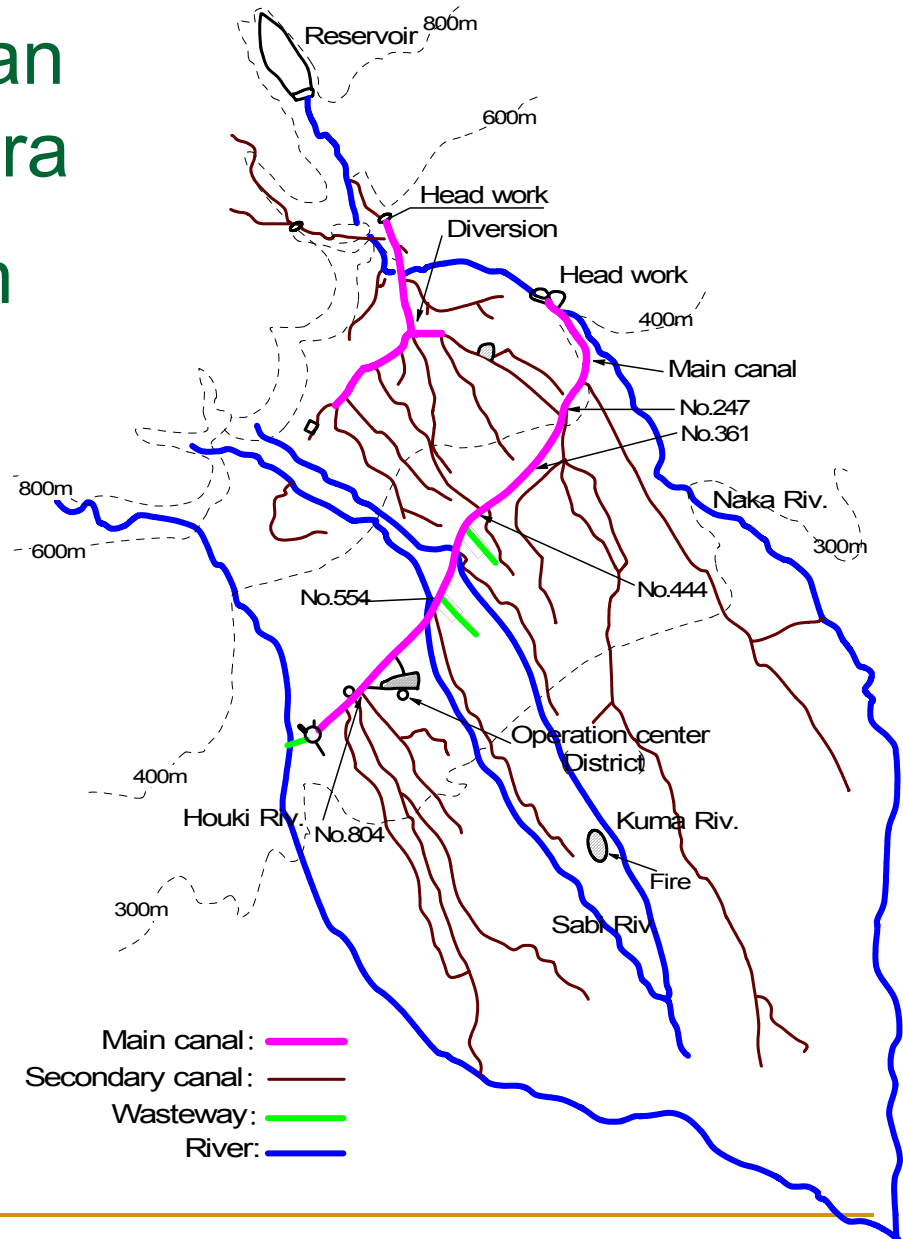


Fig.2 Drainage discharge chart of the irrigation main canals

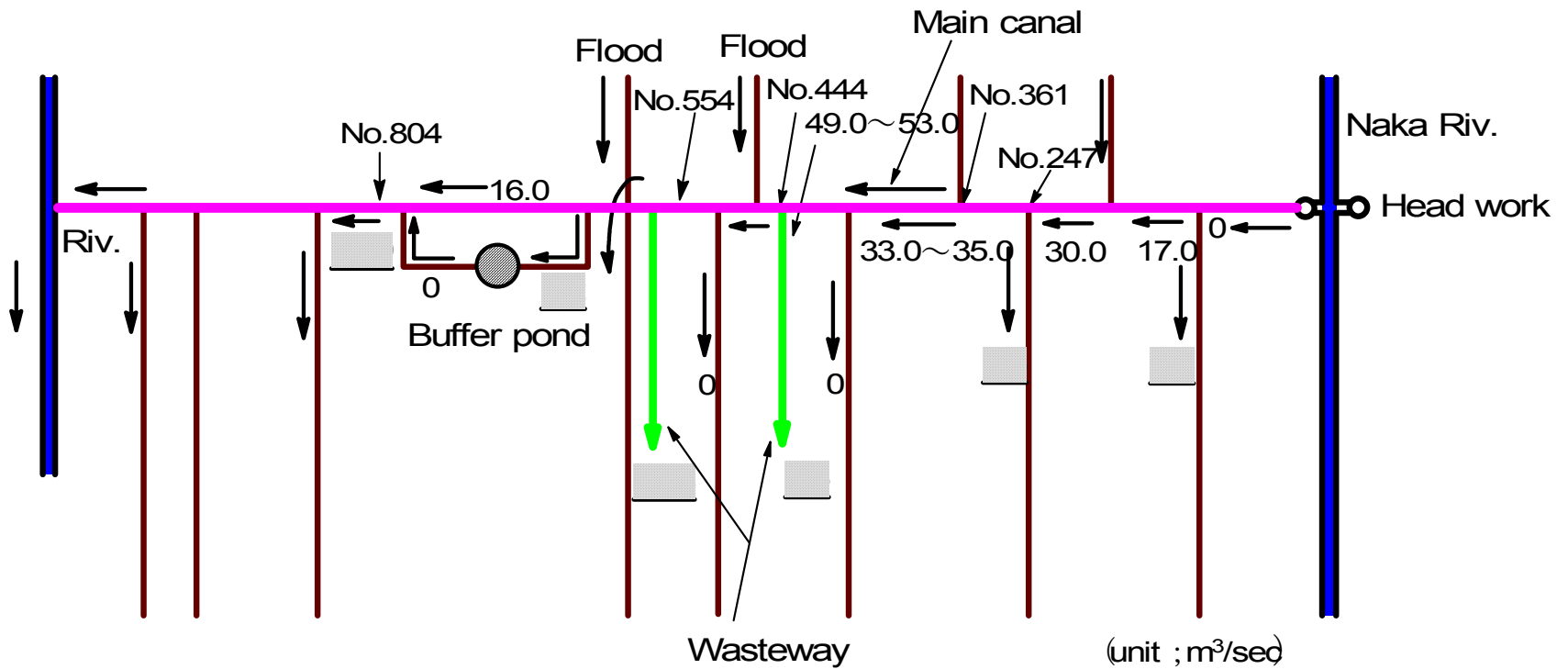


Photo.1 Main irrigation canal has conducted a inlet channel for flood flow passing



No.1 Side inlet of flood flow



No.2 Flood flow in irrigation canals



No.3 Damage of the irrigation canals

Photo.2 The irrigation canal systems supply fire extinguisher water



No.4 Supply from a wasteway of the Irrigation canal



No.5 Using irrigation water for extinction

Requirements for disaster prevention functions of irrigation facilities

Water release from wasteway



- Irrigation Districts (Public Agencies)
- Operating Procedures for control of water releases
- Operating Systems (TC/TM)
- Local Communication (Water users, Fire station)

Control center



Natural river



Supply of irrigation water



Extinction by using irrigation water





**Thank you for your
kind attention**