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**Title:** Applications of Underwater Remote Technologies for Asset Management

**Theme:** Advances in Buried Infrastructure Asset Management, Emerging Technologies

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**Abstract:** A significant component of municipal assets are buried or submerged and not directly accessible. The use of remote technologies can economically provide access to many of these areas with minimal preparation and effort. By determining their actual condition, informed decisions can be made for planning and budgeting future inspections, repair and maintenance activities. This provides significant cost-savings since expenditures are made as and when necessary, not just because a calendar dictates the schedule regardless of condition. This paper describes a variety of projects where remote technologies have been used on submerged assets during various segments of an asset's life cycle; pre-commissioning and routine inspection as well as investigative inspections where a failure is known to have occurred but the type and severity of that failure is unknown. These applications have enabled owners to plan and conduct maintenance and repairs in an informed manner to better manage their budgets and assets