

DB 360 and DB Globe Coverage Guidance

PDS-QDB-001 | Design | Intended for: Consultant

Published maximum coverage context

Blue-green algae or cyanobacteria	Up to 120 acres under favourable conditions
Planktonic green algae	Up to 17.5 acres under favourable conditions
Biofilm and diatoms	Up to 2.8 acres under favourable conditions

Why actual coverage varies

- Waterbody geometry, islands, bays, walls, depth changes and submerged structures
- Algae or cyanobacteria identification and distribution
- Water clarity, suspended solids, salinity and temperature
- Water movement, inflow, outflow and seasonal turnover
- Transducer position, operating depth and maintenance
- Dense plant growth or obstacles that block the acoustic path

Choosing 360 or Globe

- Use DB 360 where broad horizontal transmission from a selected position is appropriate.
- Use DB Globe where downward transmission better matches the geometry or installation objective.
- Large or irregular sites may require multiple units or a combination of positions. Coverage is a design decision, not an automatic radius from a catalogue number.

Information Puroxi requires

- GPS coordinates and an aerial image
- Length, width, average and maximum depth, volume and seasonal level change
- Inlets, outlets, islands, obstructions and power location
- Photographs, video and algae identification where available
- Water analysis, aquatic life, chemical use and treatment objective

Coverage caution: Maximum coverage figures are screening values, not guarantees. Final placement and quantity require a site-specific review.