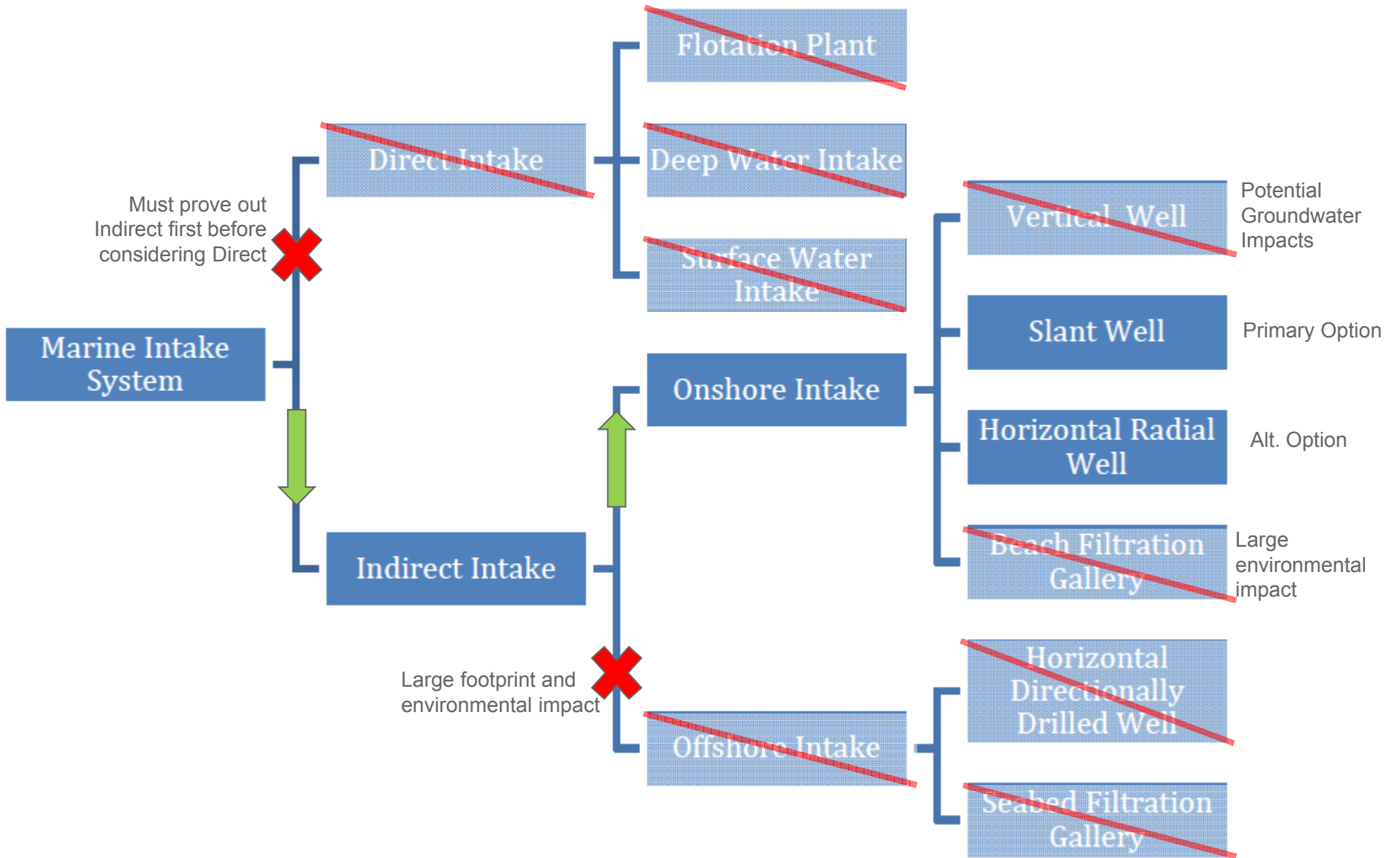


Source Water Options



Why Slant Wells?

- Options Preferred because of Marine Sanctuary & Coastal Habitat
- No impingement and entrainment of marine organisms
- No ocean construction or permanent visual impacts
- Closer to seawater interface than vertical brackish water wells
- Protection from shock loads (ocean WQ)
- Same as vertical water well but on an angle
 - Proven dual rotary drilling technology of decades of use on vertical wells
- Very Site Specific
 - Geology - determines success of well for water quantity and quality (same as vertical wells)
 - Success or failure based other project does not translate from one to the other because of site specific geology

Subsurface Examples

- Estimated 700 BWRO > 1 MGD using vertical wells (ex: Sand City)
- Estimated 30 SWRO > 2 MGD using subsurface technology
- HDD subsurface intakes used at 34 MGD Cartagena (Spain) plant

Slant Well Examples

- Dana Point – successful test slant well
- Two water projects using slant wells on Hudson and Missouri Rivers