

This guidance, prepared by WDFW, describes an approach to ensure hydraulic projects comply with applicable regulations in WAC 220-660. Habitat Biologists should consult with their supervisor before deviating from this guidance.

| Project Type | Activity | Pre-Permit Issuance Site Visit | Comments |
|-------------------------|--------------------------|--------------------------------|--|
| Bulkhead/Rockwall | New | Required | Needed to establish or confirm measurements from benchmarks. |
| | Replacement | Recommended | Assumes permanent benchmarks are clearly shown on plans. ¹ |
| | Maintenance ² | Project Dependent | |
| Soft-Shore Protection | New | Required | Needed to establish or confirm measurements from benchmarks. |
| | Replacement | Required | Needed to establish or confirm measurements from benchmarks. |
| | Maintenance | Project Dependent | |
| Pier, Ramp and Float | New | Site Dependent | Requires a SAV survey. ³ |
| | Replacement | Site Dependent | Requires a SAV survey of area outside of the current footprint. |
| | Maintenance | Project Dependent | |
| Dock ⁴ | Replacement | Recommended | Confirm existing centerline. |
| | Maintenance | Project Dependent | |
| Mooring Buoy | New | Not Applicable | Requires a SAV survey if a surface-style anchor is proposed. |
| | Replacement | Not Applicable | Requires a SAV survey if a surface-style anchor is proposed. |
| | Maintenance | Not Applicable | No SAV survey required. |
| Boat Ramps and Launches | New | Required | Needed to establish or confirm approved location. May require a SAV survey. ⁵ |
| | Replacement | Required | Needed to establish or confirm approved location. Requires a SAV survey in the subtidal zone outside of current footprint. |
| | Maintenance | Project Dependent | |
| Dredging ⁶ | New | Not Applicable | Requires a SAV survey in the photic zone. |
| Dredging | Maintenance | Not Applicable | Requires a SAV survey in the photic zone outside the original dredge footprint. |

¹ It's recommended that the HB confirm measurements from the permanent benchmarks shown on the plans if the applicant is unknown or inexperienced.

² Maintenance means repairing, remodeling, or making minor alterations to a facility or project to keep the facility or project in properly functioning and safe condition WAC 220-660-030(86).

³ A SAV (submerged aquatic vegetation) survey should comply with WAC 220-660-360. The survey can be conducted by a diver/biologist. A HB may conduct the SAV without diving provided they can observe the project location at low tide.

⁴ Docks are structures that are fixed to the shoreline and floating upon the water. New docks aren't authorized in marine waters (WAC 220-660-380(3)(a) and WAC 220-660-380(9)).

⁵ A SAV survey is required if the HB cannot observe the entire project site at low tide.

⁶ This refers to dredging authorized under WAC 220-660-410.

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|----------------------|-------------|-------------------|---|
| Outfalls | New | Required | Needed to establish or confirm approved intertidal location. Requires a SAV survey in the subtidal zone. |
| | Replacement | Recommended | |
| | Maintenance | Project Dependent | |
| Tide and Flood Gates | New | Required | Needed to establish or confirm approved intertidal location. |
| Tide and Flood Gates | Replacement | Recommended | |
| | Maintenance | Project Dependent | |
| Utility Crossings | New | Site Dependent | Needed to establish or confirm approved intertidal location. Requires a SAV survey in the subtidal zone |
| | Replacement | Site Dependent | Needed to establish or confirm approved for intertidal location. Requires a SAV survey in the subtidal outside current footprint |
| | Maintenance | Project Dependent | |
| Test Boring | All | Not Applicable | May require a SAV survey ⁷ |

⁷ This is dependent on the scale and water depth (photic zone) of the proposed boring.