

New Zealand Mudsnail

Decontamination Protocols Cheat Sheet

What areas do the contracting requirements affect? Any in-water work, including streams, lakes, and wetland. Precautions may also be required when work will be close to water and the project manager feels there may be risk of contact.

What is required? City of Bellevue contracting requirements are based on Washington Department of Fish and Wildlife "Invasive Species Management Protocols Version 2 – November 2012."

<http://wdfw.wa.gov/publications/01490/wdfw01490.pdf>. This reference is a summary of those requirements, but contractors should review the original document for complete details.

Working in Areas with No Known Infestation

- All machinery, personal equipment, or other materials must be free of debris when entering site. Project managers and inspectors have the authority to restrict dirty equipment and gear from entering site. City staff can require contractors to certify that equipment that has been used in areas, such as Thornton or McAleer Creeks or Lake Washington and Capital Lakes shorelines, has been properly decontaminated. A local map can be viewed at:
<http://www.arcgis.com/home/webmap/viewer.html?webmap=e892bbfae0f3439483d8d5fe741b26e2>
- Level 1 decontamination
 - Inspect, Clean, Drain, Dry – clean or contain all sediment, debris, and water on-site and for transport. Inspect, clean, and drain all pumps, bilges, wheel wells, hoses, and other areas that contact water or banks of water bodies. Rinse with potable water, if available.
 - Assure no mud or debris are transported or dripped onto streets, highways, or catch basins.
 - Clean and dry equipment (minimum of 48 hours) prior to use in other water bodies.

Working in Areas with Known Mudsnail Infestation

- All machinery, personal equipment, and other materials/supplies must be clean when entering site. Project managers and inspectors have the authority to restrict dirty equipment and gear from entering site. City staff can require contractors to certify that equipment that has been used in areas, such as Thornton or McAleer Creeks, Capital Lake, or the Lake Washington shoreline has been properly decontaminated in accordance with WDFW Level 2 decontamination protocols, link above.
- The contractor shall develop a decontamination plan and certify decontaminating procedures have been properly implemented prior to the above items coming onto the project site.
- Level 2 decontamination – all equipment, gear, and personal protection materials must be decontaminated using one of the following procedures prior to leaving site. Dispose of wash materials to sewer, not to storm drain, or contain for transport for proper disposal.
 - Hot Water: 140°F/60° C for 5 minutes
 - Chemical:
 - Virkon Aquatic 1% solution for 10 minutes
 - Formula 409 Antibacterial/degreaser formula, 100% solution for 10 minutes
 - Hydrogen Peroxide, 3% solution for 10 minutes
 - Freezing: 14°F/-10° C for 8 hours

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Additional Information

WDFW: http://wdfw.wa.gov/ais/potamopyrgus_antipodarum/

USGS: <http://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=1008>

Oregon Sea Grant: <http://seagrant.oregonstate.edu/sgpubs/onlinepubs/g10001.pdf>

King County:

<http://www.kingcounty.gov/environment/animalsAndPlants/biodiversity/threats/Invasives/Mudsnails.aspx>