

**WASHINGTON TURFGRASS SEED COMMISSION  
PROGRESS REPORT FORMAT FOR 2021 PROJECTS**

**Project No.:** \_\_\_\_\_

**Title:** Stormwater suitability factors of turf and native grasses in urban and rural landscapes

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**Personnel:** Katherine Kraszewska, Assistant Professor Washington State University

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**Reporting Period:**

- Project Began early March 2021 and will end in early March of 2022 .

**Accomplishments:**

- We were able to determine the salt tolerance and reduction rate of each species for hardiness and water quality concerns
- We were able to determine how well each grass responds and reacts to stormwater contamination conditions

**Results:**

- To date, a steady reduction in salt levels has been seen in all five plots of the five varieties of turfgrass, with the most significant reduction in the Hard fescue sheep fescue blend
- To date, a steady reduction in Total dissolved solids (TDS) levels has been seen in all five plots of the five varieties of turfgrass, with the most significant reduction in the hard fescue sheep fescue blend and chewing fescue combined blend.
- The species that was most successful at reaching a neutral pH level as compared to the control levels was the Hard fescue with sheep fescue blend

**Publications:**

An abstract of this research has been submitted to the 2022 nation conference of Council of educators in Landscape Architecture (CELA) held in New Mexico May 2022.

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<p>Instructions:</p> <ol style="list-style-type: none"> <li>1. Record information for active and pending projects.</li> <li>2. All current research to which principal investigator(s) and other senior personnel have committed a portion of their time must be listed whether or not salary for the person(s) involved is included in the budgets of the various projects.</li> <li>3. Provide analogous information for all proposed research which is being considered by, or which will be submitted in the near future to, other possible sponsors.</li> </ol>					
<b>Name (List PI#1 first)</b>	<b>Supporting Agency and Project #</b>	<b>Total \$ Amount</b>	<b>Effective and Expiration Dates</b>	<b>% of Time Committed</b>	<b>Title of Project</b>
Katherine Kraszewska	Current: Washington Turfgrass and Seed Commission & Washington State University	\$29,565	Start March 2021 End March 2022	40%	Stormwater suitability factors of turf and native grasses in urban and rural landscapes
	Pending:				