USACE FLOWERING RUSH

Two new developments: Both in/under the Aquatic Plant Control Program

1) Cost-share

   1 million dollars nationwide for Flowering Rush Control.

2) NWW statement of need to ERDC Funded

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COST SHARE PROGRAM

1 Million dollars for Flowering rush control in states that have flowering rush (NATIONWIDE) under the Aquatic Plan Control Program- Cost-share for control

So other states that have flowering rush can also get into cost shares with other districts to use this funding.

To do:

USACE-

1) ESA consultation and NEPA documentation (Covering locations in MT, ID, WA)

Schedule: Submit BA to Agencies Mid July to Late July

If concurrence 31 days

If formal consultation 135 days

2) Amend Agreement with PSMFC-

Work concurrently with the above

3) SOW from States

Working right now to try to secure funding

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ERDC RESEARCH ON FLOWERING RUSH CONTROL

NWW submitted a research Statement of Need for developing FR control in a run of the river reservoir where drawdown was not a option and ESA species are present.

Started 2016 with a Water Operations Technical Support Program WOTS request

Initial site visit by ERDC specialist August 2017-Determined feasibility.

Submitted statement of need Fall 2017.

Ranked by USACE against SONs from across the nation and placed with ERDC

Additional one million to Aquatic Plant Control Program-Research portion made this available this year.

Was slated for 2019- bumped up

Study site: McNary Reservoir

ERDC applying past research on FR.

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FR RESEARCH CONT:

2018- Gather water exchange date in McNary Reservoir

Test various forms of containment to see if can reduce water exchange rate to increase exposure.

-Bubble screens/curtains-New float in type both ESA benefit and maybe reduce water flow

-Various curtains or spill boom. (ERDC has done some types in the past)

2018/2019 Winter- Growing FR from reservoir at ERDC and lab tests with some new herbicides and combinations of herbicides.

2019-Chemical control field tests based all of the above.

2020- Additional chemical control field tests based on all that is learned and assess effectiveness.

End product is to be a how to manual/technical document that relates water exchange rates, chemical, and exposure time to determine efficacy. This will be based on FR, that can be applied across the nation and used for other aquatic invasive plants to determine what chemical to use based on the three parameters.

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