

VIRGINIA SALTWATER RECREATIONAL FISHING DEVELOPMENT FUND SUMMARY PROJECT APPLICATION*

NAME AND ADDRESS OF APPLICANT: Robert L. O'Reilly VMRC Dr. Yan Jiao Virginia TECH Dr. Patrick Campfield ASMFC	PROJECT LEADER (name, phone, e-mail): Dr. Yan Jiao 540.231.5749 yjiao@vt.edu																									
PRIORITY AREA OF CONCERN: Weakfish: inadequate modeling framework and lack of biological reference points, with a need for those, in time for the next stock assessment	PROJECT LOCATION: Virginia Tech; VMRC; ASMFC																									
DESCRIPTIVE TITLE OF PROJECT: Cooperative (VMRC, Va Tech, ASMFC) Efforts to Utilize Alternative Methods for the Upcoming Stock Assessment of Weakfish. R. O'Reilly, VMRC, Y. Jiao, VPI, P. Campfield, ASMFC.																										
PROJECT SUMMARY: This will be the second year of a 2-year collaborative proposal that offers a practical continuation of an earlier project ('Improving Stock Assessment of the Atlantic Weakfish') previously supported by the RFAB and funded by the VMRC for 3 years. Year one of this project was recently contracted through mid-year 2014, and the second year of the project will extend from mid-year 2014 through mid-year 2015. This second year will utilize the methods developed from the previous 3-year project (e.g. standardization of various juvenile and adult surveys, results from modeling on varying natural mortality and growth rates), as well as the first year within the framework of the ASMFC stock assessment process, whereby one outcome would be the development of biological reference points (overfishing and overfished). Funding for year 2 of this project will be shared among the 3 agencies (VMRC, Virginia Tech, and ASMFC), in the proportions as shown below, as they were for year 1.																										
EXPECTED BENEFITS: A benefit of this proposed project is in its application of the completed model results (funded by the Commission, at the recommendation of the RFAB) into a stock assessment process, within the ASMFC. This project will enhance current model development in addition to exploring new tasks (such as developing new survey inputs and updated abundance estimates). The weakfish population is severely depleted, with natural mortality linked to that status. The fisheries along the coast have been reduced to marginal harvest levels by the ASMFC. Weakfish mature early (90% by age 1) and a rebound of the population (similar to what occurred in Atlantic croaker 15 years ago) should be planned for, by having safe abundance or biomass and annual harvest rates developed now. The VMRC, Virginia Tech and ASMFC, as sponsors, of this additional project will be recognized for their vision, as another benefit. Also beneficial is that this project, for year 1, is expected to cost \$60,000, and that will be shared among the three agencies.																										
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">COSTS:</td> <td></td> </tr> <tr> <td>VMRC Funding:</td> <td style="text-align: right; border: 1px solid black;">*\$20,000.00</td> </tr> <tr> <td rowspan="2">Recipient Funding:</td> <td style="border: 1px solid black;">Virginia Tech: \$10,000</td> </tr> <tr> <td style="border: 1px solid black;">ASMFC \$30,000</td> </tr> <tr> <td>Total Costs:</td> <td style="text-align: right; border: 1px solid black;">\$60,000</td> </tr> </table> <p>*Detailed budget must be included with proposal (applies to VMRC portion only).</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Graduate Research Assistant</td> <td style="text-align: right;">\$ 8,393</td> </tr> <tr> <td>Fringe</td> <td style="text-align: right;">\$ 923</td> </tr> <tr> <td>Tuition & Fees</td> <td style="text-align: right;">\$ 4,984</td> </tr> <tr> <td>Travel (VMRC 1 person, 3 times)</td> <td style="text-align: right;">\$ 1,000</td> </tr> <tr> <td>Computer Contractual Services</td> <td style="text-align: right;">\$ 700</td> </tr> <tr> <td>DIRECT Cost Total</td> <td style="text-align: right;">\$16,000</td> </tr> <tr> <td>VSRFDF allowed Indirect @25%</td> <td style="text-align: right;">\$ 4,000</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">\$20,000</td> </tr> </table>		COSTS:		VMRC Funding:	*\$20,000.00	Recipient Funding:	Virginia Tech: \$10,000	ASMFC \$30,000	Total Costs:	\$60,000	Graduate Research Assistant	\$ 8,393	Fringe	\$ 923	Tuition & Fees	\$ 4,984	Travel (VMRC 1 person, 3 times)	\$ 1,000	Computer Contractual Services	\$ 700	DIRECT Cost Total	\$16,000	VSRFDF allowed Indirect @25%	\$ 4,000	Total	\$20,000
COSTS:																										
VMRC Funding:	*\$20,000.00																									
Recipient Funding:	Virginia Tech: \$10,000																									
	ASMFC \$30,000																									
Total Costs:	\$60,000																									
Graduate Research Assistant	\$ 8,393																									
Fringe	\$ 923																									
Tuition & Fees	\$ 4,984																									
Travel (VMRC 1 person, 3 times)	\$ 1,000																									
Computer Contractual Services	\$ 700																									
DIRECT Cost Total	\$16,000																									
VSRFDF allowed Indirect @25%	\$ 4,000																									
Total	\$20,000																									

Updated 11/12/08

*This form alone does not constitute a complete application, see application instructions or contact Alicia Nelson at 757-247-8155 or alicia.nelson@mrc.virginia.gov