

## Draft Individual Review Form

**Proposal number:** 2001-K204-2

**Short Proposal Title:** Molecular techniques to preserve genetic integrity

**1a) Are the objectives and hypotheses clearly stated?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

The objectives of the project and hypothesis to be tested are very clear and straight forward. The objectives and hypothesis testing formulate a well designed and comprehensive proposal.

**1b1) Does the conceptual model clearly explain the underlying basis for the proposed work?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

The conceptual model clearly explains why the work should be done (maintain Ne) how the work will evaluate the genetic impact of hatchery supplementation and provide data for future work.

**1b2) Is the approach well designed and appropriate for meeting the objectives of the project?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

The project proposal is very well designed and appropriate for meeting the objectives of the project. The approach of using microsatellite DNA markers to genotype adults and subsequent offspring to estimate run size, select appropriate broodstock and preserve genetic integrity is both powerful and reliable.

**1c1) Has the applicant justified the selection of research, pilot or demonstration project, or a full-scale implementation project?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

This proposal is listed as a “research” project. I would assume this is because this is the first time this proposal has been submitted for funding. The need or justification for the project is great enough that it should be considered for full- scale implementation. This information should be considered essential for supplementation activities under ESA.

**1c2) Is the project likely to generate information that can be used to inform future decision making?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

This project is not only likely to generate information that will be used for decision making concerning supplementation and recovery status of winter-run salmon, it will probably be considered mandatory in the future.

**2a) Are the monitoring and information assessment plans adequate to assess the outcome of the project?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

Sufficient detail was provided to reasonably assure assessment of the outcome of this project. Data collection, analyses and reporting followed coordinated and standardized protocols.

**2b) Are data collection, data management, data analysis, and reporting plans well-described, scientifically sound and adequate to meet the proposed objectives?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

These parameters were well-described and followed scientifically sound, established and coordinated techniques. These techniques and protocols are being used in similar situations in other areas with positive results. They are adequate and comprehensive enough to meet proposed objectives.

**3) Is the proposed work likely to be technically feasible?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

The proposed work is definitely technically feasible and has been successful in other regions. The proposed work called for developing new polymorphic molecular markers. Developing these new markers will be necessary for the project to be successful for certain objectives, at least to the degree that provides a high degree of confidence and certainty.

**4) Is the proposed project team qualified to efficiently and effectively implement the proposed project?**

Provide detailed comments in support of your conclusion [Note: in the electronic version, this will be an expandable field]

I think all of the key personnel listed are qualified to successfully complete the proposed project. Their publications and fairly extensive experience in relation to their responsibilities for the proposed project are very adequate.

**Miscellaneous comments**

[Note: in the electronic version, this will be an expandable field]

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<b>Overall Evaluation Summary Rating</b>	<b>Provide a brief explanation of your summary rating</b>
<input type="checkbox"/> Excellent <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor	[Note: in the electronic version, this will be an expandable field]

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I rated this proposal with an overall rating of "Excellent": I believe this proposal should receive a high priority for funding because it is scientifically sound, the researchers are well qualified and the proposed data to be generated should be considered necessary for management of winter-run supplementation and recovery efforts.