

**Corps Supplement – Attachment 2 (33 CFR Part 325.1(d)(7))
Mitigation Statement, with Restoration Plan for Aquatic Resources**

U.S. Army Corps of Engineers general mitigation policy is outlined at 33 CFR 320.4(r), issued in 1986, and 33 CFR Part 332, issued in 2008. Mitigation consists of all actions taken to avoid, minimize, and provide compensatory mitigation for impacts that occur as the result of projects that receive a Corps permit.

Alaska District regional mitigation policy for placer mining operations under this General Permit (GP) will emphasize avoidance and minimization; **compensatory mitigation is not required**. However, by regulation, the option for Compensatory Mitigation must be included in the Mitigation Statement.

Instructions: All permit applications shall include a *Mitigation Statement*.

- **Part 1** and **Part 2** include a questionnaire about avoidance and minimization measures that you can use at your site. Check or answer ones that apply. There is an area in each part for “other” measures. It is not expected that all measures will apply.
- **Part 2** includes the **Restoration Plan for Aquatic Resources**, consisting of a drawing, map, and narrative, that describe and locate restoration of aquatic resources at your site.

Note: The Restoration Plan will become part of your permit. If you do not provide a Restoration Plan, the Corps will provide one for you.

- **Part 3** covers compensatory mitigation. By regulation, a Mitigation Statement must include a compensatory mitigation proposal, or, explain why compensatory mitigation should not be required. Check the appropriate box.

Keep in mind that you decide which mitigation options will work best for your operation. Apply your knowledge of site-specific conditions, taking into account:

- Location in the watershed
- Valley width
- Previous mining
- Permafrost conditions
- Regional growing seasons and recovery rates
- Availability of equipment
- Other factors

Part 1: Avoidance Measures	YES	NO	N/A
<i>To avoid means to steer clear of, prevent. Many measures that avoid impacts to aquatic resources are based on risk assessment, and will save you time and money when put into place.</i>			
Are you or will you be working on a bench, or other area located at a distance from the stream?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can your project or a portion of your project be located in uplands, or in a previously mined area? (for example, your camp, access road, or stockpiles)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can you conduct test drilling or other exploration ahead of mining, so as to mine only economic ground?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If your project requires stream crossings, can it be accomplished with fewer crossings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can you conduct some activities in winter, such as mobilization or exploration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can your project be accomplished without building a road?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can your project be accomplished without building a stream diversion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Describe other actions to avoid impacts to wetlands or streams:			

Part 2: Minimization Measures - Questions			
<i>To minimize means to make less, reduce. Many measures that minimize impacts to aquatic resources are based on risk assessment, and will save you time and money when put into place.</i>	YES	NO	N/A
Does your mine plan follow a customary sequence of activities, or phases, involving exploration, development, mining and reclamation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Have you done a site assessment, considering:</p> <ul style="list-style-type: none"> • Aspect – compass direction of slopes • Gradient – steepness of slopes • Types of soils (more erodible/less erodible) • Areas with permafrost, and permafrost characteristics • Susceptibility to aufeis • Times of year that your site is most susceptible to effects of flooding, landslide or slope failure once vegetation is removed • Locations with higher erosion risk and lower erosion risk • Types of vegetation present and potential for salvage or regrowth <p><i>How can you work with conditions at your site to minimize impacts to aquatic resources, conduct risk assessment of your operation, be prepared for contingencies, and plan for great restoration?</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Do you have a plan for managing material and water? (<i>Explain below</i>)</p> <ul style="list-style-type: none"> • How many cubic yards of material do you need to move. Where will it go. • How will you manage surface and groundwater water runoff • How will you manage erosion • How will you manage sediment <p><i>It is easier and less expensive to control runoff than it is to control erosion; it is easier and less expensive to control erosion than it is to address sedimentation.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Do you have a plan for Riparian Area Management? (<i>Explain below</i>)</p> <ul style="list-style-type: none"> • What width is needed at your site: _____ feet • Can you maintain a vegetated riparian area? • Will you restore a vegetated riparian area? • What methods will you use to revegetate: 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Do you have a plan to manage stream channel diversions/relocations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Are you planning to leave the channel where you move it?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Can you utilize an abandoned channel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Will the new channel be as long as the original?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• If not, have you planned for grade control?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Can you satisfy requirements for floodplain connectivity, stream stability, and riparian revegetation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The cost of restoration will be higher if a temporary diversion becomes permanent later on. If you are going to make it permanent, do it up front, and avoid restoration later.

Describe other actions to minimize impacts to wetlands and streams:

Part 2: Minimization Measures - Restoration Plan for Aquatic Resources

What will you do to restore aquatic resources at your site?

Review options in General Condition 7 of the permit. Include your Restoration Plan for aquatic resources with your application.

- Construct swales? Yes No
- Restore wetlands? Yes No
- Restore shallow open water pond with littoral shelf? Yes No
- Restore historically mined areas? Yes No
- Other ideas?

Please attach your Restoration Plan to this document. Include the following:

- How many acres will be restored
- Location of restoration project
- Explain your plans for accomplishing this

Your Restoration Plan will be included as a Special Condition of your permit. If you fail to provide this information, special conditions to restore aquatic resources will still be added to your GP.

Part 3: Compensatory Mitigation: Check one option

<input type="checkbox"/>	Compensatory Mitigation is not being proposed at this site
<input type="checkbox"/>	Option B – Permittee Responsible Mitigation will be conducted
<input type="checkbox"/>	Option C – Compensatory Mitigation will be addressed with either submittal of an In-Lieu Fee, or purchase of credits from an approved Mitigation Bank If you are not proposing Compensatory Mitigation, please explain:
<hr/> <p>Applicant Signature Date</p>	