Pebble has designed the water management plan to minimize the volume of water diverted from natural flows.

**MONITORING AND TREATMENT**

- All water is tracked and managed from rainfall to discharge
- One treatment plan for mine pit related water
- One treatment plant for tailings stockpile, and process contact water
- All water treated and conditioned to quality standards before release
- Three discharge locations in UTC, NFK, and SFK drainages
- No mixing zones will be required
- Discharge managed based on downstream habitat needs
SCOPING CONCERNS AND ISSUES

WATER MANAGEMENT

• **NO WATER MANAGEMENT PLAN** PROVIDED IN 404 APPLICATION TO THE USACE

• **HOW MUCH WATER WILL BE NEEDED FOR MINE OPERATIONS?**

• **SIGNIFICANT IMPACTS WILL OCCUR BY DIVERTING WATER FROM SALMON STREAMS FOR MINE OPERATIONS**
  
  o Stream impacts will occur during summer salmon **spawning and rearing** periods & during winter when salmon are **over-wintering and eggs** are incubating in these streams

• **SIGNIFICANT IMPACTS WILL OCCUR DOWNSTREAM OF THE MINE FROM WATER BEING DISCHARGED WITH DIFFERENT TEMPERATURES, WATER CHEMISTRY, AND FLOW RATES THAN THE NATURAL CONDITIONS IN THE HEADWATER STREAMS**

• **SIGNIFICANT IMPACTS TO GROUNDWATER AND SURFACE WATER CAUSED BY DEWATERING OF THE OPEN PIT**