**Supplemental Table 3. Inflows to Pebble Pit, Closure Phases.**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Phase 1 | | Phase 2 | | Phase 3 | | Phase 4 | | Totals, All Phases | | |
|  | **Year 10** | **Total Phase** | **Year 20** | **Total Phase** | **Year 40** | **Total Phase** | **Year 50** | **Total Phase** | | **Total volume contributed by source (1000 cu ft)** | **% of volume source contributes to whole** | |
|  | **Average annual flow per source (cfs)** | **Total volume per source, Phase 1 (1000 cu ft)** | **Average annual flow per source (cfs)** | **Total volume per source, Phase 2 (1000 cu ft)** | **Average annual flow per source (cfs)** | **Total volume per source, Phase 3 (1000 cu ft)** | **Average annual flow per source (cfs)** | **Total volume per source, Phase 4 (1000 cu ft)** | |
| *Years in phase* |  | *15* |  | *5* |  | *30* |  | *54* | |  |  | |
| Component: |  |  |  |  |  |  |  |  | |  |  | |
| Direct precip | 1 | 473,040 | 3 | 473,040 | 3 | 2,838,240 | 3 | 5,108,832 | | 8,893,152 | 10.5% | |
| Surface runoff | 1 | 473,040 | 2 | 315,360 | 3 | 2,838,240 | 2 | 3,405,888 | | 7,032,528 | 8.3% | |
| Diversion channel leakage | 0.5 | 236,520 | 0 | 0 | 0 | 0 | 0 | 0 | | 236,520 | 0.3% | |
| Groundwater | 5 | 2,365,200 | 4 | 630,720 | 4 | 3,784,320 | 4 | 6,811,776 | | 13,592,016 | 16.0% | |
| Additional snow blow | 1 | 473,040 | 1 | 157,680 | 1 | 946,080 | 1 | 1,702,944 | | 3,279,744 | 3.9% | |
| Pyritic TSF re-slurry | 36 | 17,029,440 | 0 | 0 | 0 | 0 | 0 | 0 | | 17,029,440 | 20.1% | |
| Pit wall runoff | 3 | 1,419,120 | 1 | 157,680 | 1 | 946,080 | 1 | 1,702,944 | | 4,225,824 | 5.0% | |
| Sludge and brine, WTP2 | 1 | 473,040 | 0 | 0 | 0 | 0 | 0 | 0 | | 473,040 | 0.6% | |
| Sludge and brine, WTP3 | 0 | 0 | 0 | 0 | 1 | 946,080 | 0.5 | 851,472 | | 1,797,552 | 2.1% | |
| Surplus from Bulk TSF, Phase 2 | 0 | 0 | 17 | 2,680,560 | 0 | 0 | 0 | 0 | | 2,680,560 | 3.2% | |
| Surplus from Bulk TSF, Phase 3 | 0 | 0 | 0 | 0 | 25 | 23,652,000 | 0 | 0 | | 23,652,000 | 27.9% | |
| Surplus from Bulk TSF SCP | 0 | 0 | 12 | 1,892,160 | 0 | 0 | 0 | 0 | | 1,892,160 | 2.2% | |
| Total cubic feet per Phase |  | **22,942,440** |  | **6,307,200** |  | **35,951,040** |  | **19,583,856** | | **84,784,536** | 100.0% | |
| *WTP = water treatment plant; TSF = tailings storage facility; SCP = seepage collection pond. Average annual flows: Knight Piésold, 2018a, Closure Water Management Plan, Appendix A, Tables A.2 – A.5, Average Conditions.* | | | | | | | | | | | | |