Instream Gravel Extractions-Alexander Valley

**Cross Section View - A**

- **Dripline**
- **Existing Bar Surface**
- **Mining Area**
- **Side bar buffer 15% of active channel width or 50’ min**
- **Proposed baseline established 1’ above lowflow* prior to first year of mining**
- **Outer Bank Buffer: 2.5xH or 30’ minimum measured from toe of slope or edge of riparian vegetation dripline**
- **Low Water Level**
- **Active Channel Width**

*Based on higher water levels of 1994, 1997, 2007

Figure 7-9 A
Longitudinal Section View - B

Head of bar buffer: apex of bar (i.e. widest point in bar) or upper half, except if bar is greater than 8' above upstream riffle, then use 8' stage for head of bar buffer but no less than 1/3rd bar length.

Riffle

Minimum 1/3 bar length

10:1

Existing Bar Surface

Mining Area

0.2% 

1' above low water or baseline elevation

downstream

B

B'
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Figure 7-10