

Phase 6 Model Structure

Average Load + Δ Inputs * Sensitivity

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Land Use Acres

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BMPs

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Land to Water

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Stream Delivery

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River Delivery

Direct Loads

Phase 6

Preliminary Information-Subject to Revision.
Not for Citation or Distribution



Average Load + Δ Inputs * Sensitivity

P Load from Crops =

$$\begin{aligned} &1.39 \quad + 0.057 * [\text{inches of storm runoff}] \\ &\quad + 0.168 * [\text{tons/acre of sediment washoff}] \\ &\quad + 0.015 * [\text{Mehlich 3 soil P}] \end{aligned}$$

Beta 4 values

Average Load + Δ Inputs * Sensitivity

Modifications approved by Modeling Workgroup for Draft Phase 6

P Load from Crops =

$$\begin{aligned} &1.39 \quad + 0.057 * [\text{inches of storm runoff}] \\ &\quad + 0.168 * [\text{tons/acre of sediment washoff}] \\ &\quad + 0.015 * [\text{Mehlich 3 soil P}] \\ &\quad + 0.018 * [\text{Water Extractable P}] \end{aligned}$$