

Individual Site Recommendations

The following section is a compilation of brief, one page, descriptions for each of the 12 abandoned mine discharges and recommended passive treatment systems. This information is preliminary and may be substantially revised based on further site investigation and review of additional instruments of record and of other selected data.

General sizing abbreviations: square feet (SF); short ton (T); acre (AC)

Key to Abbreviations for Passive Treatment Components

Aerobic Wetland(WL) – a vegetated (native species) wetland constructed to collect metal solids from treated or untreated net alkaline drainage prior to discharging into a stream (influent area excavated to function as **settling pond**)

Anoxic Limestone Drain(ALD) – an excavation containing buried limestone aggregate installed to generate alkalinity when the dissolved oxygen and dissolved aluminum content are very low

Forebay(FB) – a shallow pond installed to collect sediment and debris prior to an alkalinity-generating component

Flush Pond(FP) – a shallow pond installed to retain metal particulates flushed from an alkalinity-generating component

Hybrid Flow Pond(HFP) – a pond containing limestone aggregate installed to generate alkalinity

Horizontal Flow Limestone Bed(HFLB) – an excavation filled with limestone aggregate used to generate alkalinity and precipitate manganese after removal of dissolved iron and aluminum

Vertical Flow Pond(VFP) – a pond containing treatment media, such as limestone aggregate and compost, installed to generate alkalinity