Typically place lunkers in sets of three on the outer and lower 1/3 of the channel bend. Final alignment and placement should be determined in the field at low water. The designer should observe the current patterns to assure that flow will pass into and out of the structures. The designer should also assure that the lunkers are placed below low water elevation.

Instream boulders may be placed as guide rocks to deflect flows through the lunkers.

**Wood Lunker**

- **8' planks**
- **Anchor rock**
- **3' Spacer**
- **Wood blocks**
- **2' Long Spacer**
- **8' Planks**
- **6"x6"x8' wood blocks**

Vegetated Geogrid or other soil bioengineering treatment.

Note: Lunker material is rough cut hard wood at least 2" thick.

**Stone Lunker**

- **Vertical bundles**
- **Backfill and seed**
- **Vegetated geogrid or other soil bioengineering treatment**

Note: Use sound rock. Place so that there is solid contact and no movement.

**Conceptual Plan - Not for Construction**

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