

**Appendix H – Stream Crossings Within the Proposed
Byrdstown Project Area**

Page intentionally blank

**Stream Crossings Along the Proposed Byrdstown 161-kV Transmission Line Route,
Surveyed June, 2010.**

Stream ID	Stream Type	Streamside Management Zone Category	Stream Name	Field Notes
001	Intermittent	Category A (50 ft)	Unnamed Tributary to Gap Creek	Deep channel with some water but mostly dry at time of survey. Riparian condition is forested.
002	Other	Category A (50 ft)	Pond	Agricultural use pond.
003	Intermittent	Category A (50 ft)	Unnamed Tributary to Gap Creek	Intermittent stream with heavy iron deposits on substrate. Water has orange-yellow tint. Riparian condition is forested. Strip mining activities in vicinity.
004	Perennial	Category A (50 ft)	Unnamed Tributary to Gap Creek	Spring run with heavy iron deposits on substrate. Water has orange-yellow tint. Water appears to go subsurface near bottom of slope (SMZ 004). Riparian condition is forested. Strip mining activities in vicinity.
005	Other	Category B (100 ft)	Spring	Perennial spring with heavy iron deposits. Water has an orange-yellow tint. Riparian condition is forested. Strip mining activities in vicinity.
006	Intermittent	Category A (50 ft)	Unnamed Tributary to Duvall Creek	30ft wide x 20ft deep channel with cobble/gravel substrate. Riparian condition is partially forested.
007	Other	Category B (200 ft)	Spring	Perennial spring with significant water flow creating perennial stream flowing away from ROW.
008	Intermittent	Category A (50 ft)	Unnamed Tributary to Hays Creek	2ft wide x 3ft deep channel with gravel substrate. Riparian vegetation is partially forested.
009	Intermittent	Category A (50 ft)	Unnamed Tributary to Hays Creek	2ft wide x 3ft deep channel with gravel substrate. Riparian vegetation is partially forested.
010	Perennial	Category A (50 ft)	Hays Creek	15ft wide x 5ft deep channel with bedrock/cobble substrate. Riparian condition is partially forested.
011	Other	Category B (100 ft)	Spring	Perennial spring originating under bedrock slope.
012	Perennial	Category A (50 ft)	Unnamed Tributary to Hays Creek	Perennial spring run through thick vegetation.
013	Other	Category B (100 ft)	Spring	Perennial spring flowing over bedrock with clay/mud.

014	Perennial	Category A (50 ft)	Unnamed Tributary to Hays Creek	Perennial spring run with bedrock/mud substrate. Riparian condition is partially forested. Livestock have full access to stream.
015	Perennial	Category A (50 ft)	Hays Creek	40ft wide x 3ft deep channel with sand/boulder substrate. Crayfish and salamanders observed. Riparian condition is partially forested.
016	Intermittent	Category A (50 ft)	Unnamed Tributary to Lick Creek	4ft wide x 2ft deep channel. Riparian condition is forested.
017	Perennial	Category A (50 ft)	Lick Creek	6ft wide x 3ft deep channel with gravel/cobble substrate. Heavy silt present. Riparian vegetation is partially forested.
018	Perennial	Category A (65 ft)	Unnamed Tributary to Lick Creek	5ft wide x 1ft deep channel with waterfall going down to Lick Creek. Riparian condition is forested.
019	Perennial	Category A (100 ft)	South Branch	15 – 20ft high waterfall into deep pool. Multiple fish and crayfish in deep pool. Riparian condition is forested.
020	Perennial	Category A (100 ft)	South Branch	Perennial stream with high slopes on either side. Fed by multiple springs. Multiple fish species along with crayfish and salamanders observed. Riparian condition is forested.
021	Perennial	Category A (100 ft)	Unnamed Tributary to South Branch	Perennial spring run with salamanders, crayfish, and mayflies observed. Riparian condition is forested.
022	Other	Category B (100 ft)	Spring	Spring origin degraded by cattle. Riparian condition is forested.
023	Intermittent	Category A (50 ft)	Unnamed Tributary to South Branch	8ft wide x 2ft deep channel with bedrock substrate. Riparian condition is partially forested.
024	Intermittent	Category A (50 ft)	Unnamed Tributary to Lick Creek	12ft wide x 3ft deep channel with bedrock substrate. Riparian condition is forested.
025	Intermittent	Category A (50 ft)	Unnamed Tributary to Lick Creek	6ft wide x 3ft deep channel with bedrock substrate. Riparian condition is forested.
026	Intermittent	Category A (50 ft)	Unnamed Tributary to Lick Creek	6ft wide x 3ft deep channel with bedrock substrate. Riparian condition is forested.
027	Intermittent	Category A (50 ft)	Unnamed Tributary to Lick Creek	6ft wide x 3ft deep channel with bedrock substrate. Riparian condition is forested.

028	Perennial	Category A (50ft)	Wolf River	45ft wide x 4ft deep channel with bedrock substrate. Multiple fish species observed. Riparian condition is forested.
029	Intermittent	Category A (50ft)	Unnamed Tributary to Town Branch	4ft wide x 4ft deep channel with bedrock substrate. Riparian condition is partially forested.
030	Intermittent	Category A (50ft)	Unnamed Tributary to Town Branch	7ft wide x 3ft deep channel with bedrock substrate. Waterfall present within ROW. Riparian condition is forested.
031	Other	Category A (50ft)	Seep	Small seep area along slope to intermittent stream.
032	Perennial	Category A (60ft)	Unnamed Tributary to Town Branch	10ft wide x 5ft deep channel with bedrock substrate. Listed on TDEC 303d list for siltation. Riparian condition is partially forested.

Stream Crossings Along the Proposed Byrdstown 161-kV Transmission Line Access Roads, Surveyed August, 2010.

Stream ID	Stream Type	Streamside Management Zone Category	Stream Name	Field Notes
AR01	Other	Category A (50 ft)	Pond	Forested pond.
AR02	Perennial	Category A (50 ft)	Duvall Creek	Access road starts out as Edwards Rd. Concrete bridge in place crossing creek.
AR03	Perennial	Category A (50 ft)	Unnamed Tributary to Town Creek	Access road is in livestock pasture field.