

## **Section 1.1 Wetland and Stream Impacts**

The final design for the project includes approximately 5.6 acres of temporary fill associated with mats for transmission line construction, and 6,266 square feet of wetland fill associated with roads in the summit areas and poles unavoidably located in wetlands. In addition, there are 5 stream crossings by roads totaling 310 square feet of stream impact for culvert placement. Three of those crossings are extending existing culverts; two are associated with new road crossings.

**Table 1.1-1. Wetland and Stream Impact Summary – Rollins Wind Project**

<b>Wetland Impacts</b>	<b>Permanent fill* (sq. ft.)</b>	<b>Temporary fill*-- mats (acreage)</b>	<b>Stream impact--- culverts (sq. ft.)</b>
Rollins South	2120	0	238
Rollins North	2846	0	72
115 kV transmission line	1200**	5.5	
Connector transmission line	100**	0.1	
<b>TOTAL</b>	6266 sq. ft.	5.6 acres	310 sq. ft.

Notes:

\* *Permanent fill* in wetlands are those areas where fill will be placed and not removed after construction. *Temporary fill* is mats used to clear and construct the transmission lines.

\*\* Wetland fill impacts associated with pole placement were calculated at 100 square feet per pole.

Detailed maps of these impacts are presented in Appendix E. An alternatives analysis for the project is presented in Appendix C.