

Lake Powell Pipeline Managing Environmental Impacts

Resource to Protect	Studies Found	Mitigation/Actions
Threatened and Endangered Species	<ul style="list-style-type: none"> ✓ LPP would not affect listed fish species and would have limited impacts on listed terrestrial species. 	<ul style="list-style-type: none"> ✓ Project will avoid construction in certain areas during bird nesting/breeding seasons. ✓ Habitat will be restored after construction. ✓ Desert tortoises will be monitored and protected during construction.
Wildlife	<ul style="list-style-type: none"> ✓ LPP would not have significant impacts on wildlife. 	<ul style="list-style-type: none"> ✓ Habitat will be restored after construction. ✓ Permanent facilities will be sited (e.g. away from wildlife highway crossings) and designed (e.g. down lighting) to limit disturbance.
Fish and Riparian Habitat	<ul style="list-style-type: none"> ✓ LPP would have negligible impacts on stream and river flows and water quality and would not adversely impact fish species. ✓ Riparian habitat impacts would be limited and temporary. 	<ul style="list-style-type: none"> ✓ LPP ensures more than 86,000 acre feet of water will continue to flow more than 400 river miles downstream through valuable riparian and fish habitat in the Colorado River system. ✓ Riparian habitat will be restored after construction.
Wetlands/Waters of the U.S.	<ul style="list-style-type: none"> ✓ LPP would not impact wetlands. ✓ LPP would permanently impact less than 0.1 acres of waters of the U.S. 	<ul style="list-style-type: none"> ✓ All temporary disturbances at mostly dry drainage crossings with limited riparian habitat would be performed when the drainages have little or no flow and restored after construction.
Plants	<ul style="list-style-type: none"> ✓ Several sensitive plant species have been identified within the LPP rights of way (ROWs). 	<ul style="list-style-type: none"> ✓ Construction activities will be adjusted as feasible to avoid sensitive plant species. ✓ If the special status plant species cannot be avoided, seeds will be collected for replanting. ✓ Other habitat will be restored after construction using site-specific revegetation methods.
Cultural Resources/Paleontological Resources	<ul style="list-style-type: none"> ✓ LPP would not have significant impacts on paleontological resources along the pipeline alignment in the vicinity. 	<ul style="list-style-type: none"> ✓ Any fossils recovered during field surveys or construction monitoring will be prepared in accordance with standard professional paleontological techniques.
Air Quality	<ul style="list-style-type: none"> ✓ LPP would have temporary impacts on air quality during construction (e.g. dust) and no permanent effects on air quality. 	<ul style="list-style-type: none"> ✓ Dust control permits will be obtained for each construction contract in accordance with local, county and/or state requirements. ✓ Dust will be controlled during construction according to best management practices.
Visual Impacts	<ul style="list-style-type: none"> ✓ LPP will not have significant long-term visual impacts. 	<ul style="list-style-type: none"> ✓ Above ground facilities will blend with the colors of the surrounding landscape. ✓ The pipeline alignment will be restored to blend with the surrounding landscape. ✓ Nighttime lighting will be on timers or sensors and shielded and directed toward the facility.
Noise	<ul style="list-style-type: none"> ✓ Short-term noise impacts from construction and long-term noise impacts from facility operations will not have a significant impact on people or wildlife in the project vicinity. 	<ul style="list-style-type: none"> ✓ Best management practices will be used to reduce noise from construction equipment. ✓ Facilities will be designed to dampen noise.
Sand Hollow Reservoir	<ul style="list-style-type: none"> ✓ Quagga mussels, an invasive species, are found in Lake Powell and at the confluence of the Virgin River at Lake Mead. 	<ul style="list-style-type: none"> ✓ The intake at Lake Powell, where the water enters the pipe, will be treated with an approved molluscicide. ✓ Water would be passed through a filter(s) to help minimize mussels from reaching Sand Hollow Reservoir. ✓ Quagga mussels will be monitored and treated/filtered at each pump station and hydro station as needed.