



Rivers SOS is an Alliance of over 45 groups campaigning for no less than 1km protection zone around all river systems in NSW, which would stop the severe damage being done by mining.

Will Duralie Coal's indirect discharge of mine waste water (via irrigation and First Flush Protocol into Coalshaft Creek/gullies that run into Mammy Johnsons River) affect the Karuah River, oyster industry, fishing, tourism & the environment?

Ever wonder how important the Karuah River (Marine Habitat Zone) is to the Port Stephens Marine Park? What affects will an upstream coal mine/s or gas extraction plant have on the River System to Port Stephens?

Dr Ian Wright (Fresh Water Ecologist) Independent Report states *(page 2)*

“Mammy Johnsons River suffered a decline in water quality, with an increase in the salinity level. It is very likely that Coal Shaft Creek was the source of the increase in salinity and that mine drainage from activities associated with Duralie Coal Mine contributed to this”. *(Page 4)* “I have a significant concern that the current contaminated water for Duralie Coal Mine is responsible for a measurable degradation to water quality in Mammy Johnsons River”, *(page 4)* “Based on this assessment, I have a real concern that Mammy Johnsons River may currently be subject to diffuse water pollution from Duralie Coal Mine. This should be investigated by the local Council, as I believe that this may constitute diffuse water pollution, from an unscheduled source, under the Protection of the Environment Operations Act.”(Upstream of mine 219.7 uS/cm Site 15, downstream of mine 336.3 uS/cm at Site 11).

Duralie Coal operates under a “No River Discharge” Condition of Consent. Duralie Coal came into the valley North of Stroud as a “Boutique mine for 8 years” and was to close down in 2010. Duralie Coal now seeks Government approval to extend the pit life for 20-30 years. **If Duralie Coal is approved to proceed, it will have a detrimental impact on Mammy Johnsons River, Karuah River to Port Stephens.** The Gloucester valley from Barrington to Booral is under attack from Gloucester Coal, Gloucester Resources and AGL Gas. AGL propose to turn this valley basin into a Methane Gas extraction plant from North of Barrington with affects felt anywhere in their exploration area to South of Booral Isaacs Road to Hexham with their pipeline. **AGL Gas will divert and trench through creeks, bore under rivers and they also seek river discharge.** The creeks & river systems, rural land, agriculture & wildlife will be removed in places entirely! These mining companies will remove this valley, as we know it to be. The companies Environmental Assessment states: that the impacts will be minimal, insignificant or unlikely. **Our Time capsules will record each companies impact/s. which we believe will be maior. significant & likelv.**

Will this valley become a mining wasteland, if coal & gas is approved further? What can we all expect to happen to this valley? Final Void (10ha, 24 acres, 90 m deep), Clarevale Final Void (47ha, 116 acres, 190m deep), original dirty water dam 1,450 ML capacity, Auxiliary Dam 1. 500 ML, Dam 2. 27 ha (66acres) 2,900 ML. Dam 3. 110 ML. All voids & dams will fill with toxic mine waste dirty water, destruction of rural land, creek/river systems, wildlife habitat, people's quality of life, towns & villages/history removed. We face here along The Bucketts Way what has happened elsewhere around NSW.