

MEMORANDUM

Date: April 26, 2010
To: Water Right File 63-31515
From: medl
Re: permit review

This application for permit was paired with transfer 70024. The transfer acted on decreed right 63-32614 and would have provided mitigation for the consumptive use associated with the aesthetic ponds authorized by this application. Application for Transfer #70024 and Application for Permit #63-31515 have been in process since 2002 and although the transfer has been amended more than once it cannot be approved in its current version. However, Application for Permit 63-31515 can be processed and provisions for satisfying the required mitigation can be made through a different water right process.

Applicant

Howell-Kiser Development Corp assigned the application for permit to Rivers End Subdivision in March 2010. David Shaw of ERO Resources Corp is contact and representative for the applicant.

Source and POD

All the points-of-diversion and the place-of-use is within Rivers End subdivision. The Rivers End subdivision is located on Eagle Island in the Boise River and is substantially built out. The last of the aesthetic ponds related to this permit application was excavated in 2009. Shallow ground water is the source of the water. The deepest pond is less than 20 ft below ground surface. In total there are seventeen (17) ponds but a couple of the ponds are no more than splash pools beneath a water feature-amenity.

The pond shapes and numbering system were provided electronically to me by David Shaw. I created the POD shapes. Several of the ponds crossed QQ lines and because they access ground water required more than a single POD to accurately define them. Therefore there are 25 POD shapes for the 17 ponds.

Water Use and quantity

Most of the ponds are for year-round aesthetic storage purposes only. However, two ponds are interconnected and are also used as the water supply for irrigation of common areas. Pond 8 has been fitted with a pump.

The exact volume of the ponds will be determined by a field examination. The application seeks 49.5 AF. The ponds fill by intercepting shallow ground water. Only the evaporation losses require mitigation. The total pond surface area is expected to be 12 acres and constituted a one-to-one exchange from irrigation use to aesthetic pond use.