

Segment 3G, located in west central Arkansas, includes portions of Yell, Conway, Perry, Logan, Sebastian, and Scott Counties. This segment includes the entire length of the Petit Jean River and its tributary streams. Major tributaries include Dutch Creek, Spring Creek, Chickalah Creek and Rose Creek. Blue Mountain Lake, formed by damming the Petit Jean River, is the largest impoundment in the segment.

The waters within this segment have been designated as suitable for the propagation of fish and wildlife, primary and secondary contact recreation, and public, industrial, and agricultural water supply. This planning segment contains 198.5 stream miles. Monitoring data were utilized to assess 108.2 stream miles; an additional 8.7 stream miles were also evaluated. The remaining stream miles within this segment did not have adequate information for assessment and are therefore listed as unassessed. The primary land use of the watersheds in this segment is agriculture activities (primarily pasture land) and timber harvest.

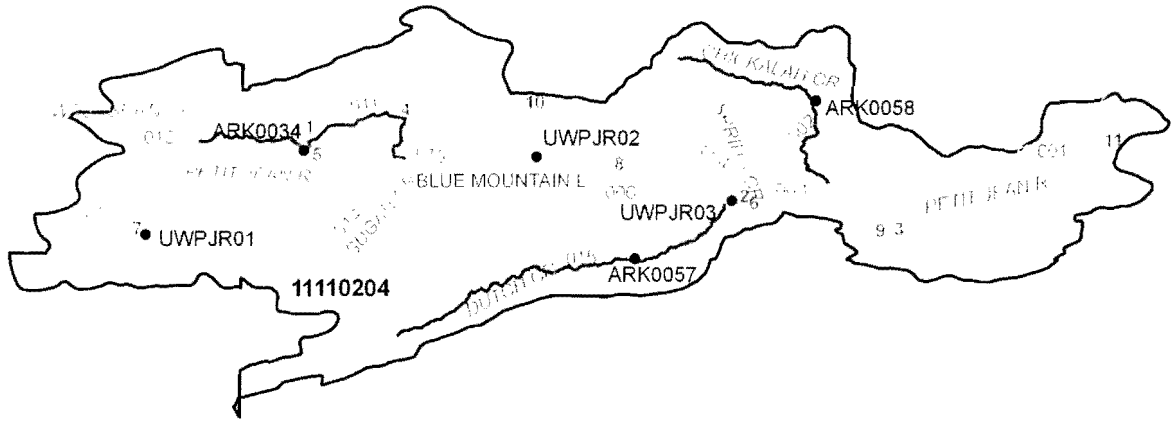
One segment of the Petit Jean River was listed as not attaining the public drinking water use because of the presence of beryllium. The three beryllium values detected, out of a total 20 samples, were all less than 0.20 ug/L. Contamination during the collection and analysis is a concern.

Two streams, Chickalah Creek and Dutch Creek (ecoregion reference streams), were listed in Category 5e because of low dissolved oxygen concentrations. Most of the low dissolved oxygen readings occurred during the late summer to early fall when the flow in the streams is minimal and the streams are reduced to small pools. This is a reoccurring problem in small Ouachita Mountain ecoregion streams.

Table A-36: Segment 3G Active NPDES Permits

Permit Number	Facility Name	Receiving Waters	USGS H.U.C	Reach	Map Number
AR0021571	BOONEVILLE, CITY OF	TRIB,COAL CR,PETIT JEAN RV,ARKANSAS RV	11110204	011	1
AR0022241	DANVILLE, CITY OF	PETIT JEAN RV	11110204	003	2
AR0035688	OLA, CITY OF	KEELAND CK,PETIT JEAN RV,AR RV	11110204	001	3
AR0037397	MAGAZINE, CITY OF	REVILLE CK TRIB,PETIT JEAN RV	11110204	011	4
AR0037541	BOONEVILLE HUMAN DEV CTR-ADHS	TRIB, PETIT JEAN RV	11110204	011	5
AR0038768	WAYNE FARMS, LLC	PETIT JEAN RV,AR RV	11110204	003	6
AR0045799	AR HWY DEPT-WALDRON REST AREA-	TRIB,PETIT JEAN RV	11110204	013	7
AR0046256	HAVANA, CITY OF	PETIT JEAN RV,ARKANSAS RV	11110204	006	8
AR0048640	DEL TIC TIMBER CORP - OLA MILL	KEELAND CK,PETIT JEAN RV,ARKANSAS R	11110204	001	9
AR0048852	AR PARKS & TOURISM-MT MAGAZINE	W BASS CK,SMLLWD CK,ROCK CK,PETIT J	11110204	006	10
AR0049972	AR PARKS & TOURISM-PETIT JEAN	DIT,CEDAR CK,PETIT JEAN RV,AR RV	11110204	001	11

Figure A-25: Planning Segment 3G



(Segment 3G)

- # Permitted Facilities
- Monitoring Stations
- Category 5 Waters
- EPA Added Category 5g