

Water-Data Report 2008

**07138050 AMAZON GREAT EASTERN DITCH NEAR LAKIN, KS**

Middle Arkansas Basin  
Middle Arkansas-Lake McKinney Subbasin

LOCATION.--Lat 37°53'50", long 101°26'27" referenced to North American Datum of 1927, in SW ¼ NW ¼ NE ¼ sec.12, T.25 S., R.38 W., Kearny County, KS, Hydrologic Unit 11030001, about 0.45 mi downstream of the diversion structure on the Arkansas River and about 9.5 mi west and 2.3 mi south of Lakin.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 2004 to current year. Prior to October 2006, discharges less than 9 ft<sup>3</sup>/s have been found to be unreliable and should not be used.

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 3,075.55 ft above NGVD of 1929. May 1999 to March 2004, stage only gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. This ditch diverts water from the Arkansas River in Kansas for irrigation use. Because of a structural problem with the Parshall flume, daily discharge less than 11 ft<sup>3</sup>/s cannot be accurately measured. No daily discharges are published when this occurs. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 338 ft<sup>3</sup>/s, July 14, 2006; no flow many days each year.

## 07138050 AMAZON GREAT EASTERN DITCH NEAR LAKIN, KS—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	e16	101	85	---	---	47	104	---
2	---	---	---	---	76	100	85	---	---	96	91	---
3	---	---	---	---	107	100	84	---	---	119	80	---
4	---	---	---	---	107	100	84	---	---	136	68	---
5	---	---	---	e20	e45	99	83	---	---	e156	55	---
6	---	---	---	e20	---	98	85	---	---	e164	59	---
7	---	---	---	e20	---	97	87	---	---	e179	66	---
8	---	---	---	e11	---	97	86	---	---	e210	66	---
9	---	---	---	e20	35	95	86	---	---	e233	70	---
10	---	---	---	e28	e72	94	92	---	---	e253	67	---
11	---	---	---	e33	---	93	91	---	---	e263	61	---
12	---	---	---	---	---	93	90	---	---	e279	64	---
13	---	---	---	---	---	94	88	---	---	e294	57	---
14	---	---	---	---	---	93	86	---	---	e314	49	---
15	---	---	---	---	---	93	85	---	---	e316	54	---
16	---	---	---	---	---	92	85	---	---	e322	51	---
17	---	---	e58	---	e20	95	87	---	---	e321	53	---
18	---	---	80	---	78	96	e63	---	---	e319	57	---
19	---	---	106	---	105	99	---	---	---	e312	48	---
20	---	---	105	---	104	98	---	---	---	e306	60	---
21	---	---	106	---	105	96	---	---	---	e304	41	---
22	---	---	e53	---	e45	94	---	---	---	e302	35	---
23	---	---	---	---	---	92	---	---	---	e301	33	---
24	---	---	---	---	---	92	---	---	---	e296	---	---
25	---	---	---	---	e29	91	---	---	---	e294	---	---
26	---	---	---	---	86	89	---	---	---	e280	---	---
27	---	---	---	e11	103	88	---	---	---	e232	---	---
28	---	---	---	81	103	86	---	---	---	e194	---	---
29	---	---	---	112	101	86	---	---	---	e184	---	---
30	---	---	---	112	---	85	---	---	---	161	---	---
31	---	---	---	e50	---	86	---	---	---	129	---	---
<b>Mean</b>	---	---	---	---	---	93.9	---	---	---	236	---	---
<b>Max</b>	---	---	---	---	---	101	---	---	---	322	---	---
<b>Min</b>	---	---	---	---	---	85	---	---	---	47	---	---
<b>Ac-ft</b>	---	---	---	---	---	5,780	---	---	---	14,510	---	---