

RIO GRANDE BASIN--Continued
 PECOS RIVER SEEPAGE INVESTIGATIONS--Continued
 Alamogordo Dam to Acme, N. Mex.

A series of discharge measurements was made May 22, 1962, to study gains and losses on the Pecos River from the gaging station "below Alamogordo Dam" to the gaging station "near Acme." Fort Sumner main canal was the only diversion from this reach during the period of this investigation. All known tributaries were measured. Samples were collected for chemical analysis at each measuring site.

River mile locations were obtained from U. S. Geological Survey Plan and Profile of the Pecos River, Lake McMillan to Pecos, N. Mex.

Previous seepage investigations of this reach were made in January 1959, June 1960, and November 1960. Results are published in the appropriate WSP or State Report.

Additional records, subject to revision.

Chemical analyses, in parts per million, water year October 1961 to September 1962

Date	Stream or diversion	Location	Discharge in cubic feet per second	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Hardness as CaCO ₃		Specific conductance (microhms at 25°C)	pH
						Calcium, magnesium	Non carbonate		
May 22, 1962	Pecos River	Lot 2, T.4 N., R.24 E., below Alamogordo Dam (regular gaging station). River mile 210.5	76.6	125				1,760	7.2
22	Arroyo Salado	SW 1/4 sec. 2, T.4 N., R.24 E., at mouth. River mile 207.5	.04	211				3,750	7.4
22	Pecos River	NE 1/4 sec. 2, T.4 N., R.24 E., below mouth of Arroyo Salado. River mile 205.5	73.8	123				1,780	7.4
22	Ft. Sumner main canal	NE 1/4 sec. 2, T.3 N., R.25 E., 0.4 mile below diversion dam (regular gaging station). River mile 193.7	74.0	120				1,830	7.1
22	Pecos River	SW 1/4 sec. 2, T.3 N., R.25 E. River mile 193.4	.12	154				1,900	7.5
22	do.	NE 1/4 sec. 2, T.3 N., R.26 E., at Ft. Sumner. River mile 190.7	.10	147				2,240	7.2
22	Sewer outlet	NE 1/4 sec. 2, T.3 N., R.26 E., at mouth. River mile 187.1	.06	462				2,240	7.3
22	Pecos River	SW 1/4 sec. 15, T.2 N., R.26 E. River mile 182.2	5.53	227				2,970	7.5
22	Middle drain	NE 1/4 sec. 15, T.2 N., R.26 E., at mouth. River mile 181.7	12.5	266				2,710	7.2
22	Lower drain	SW 1/4 sec. 16, T.2 N., R.26 E., at mouth. River mile 176.8	4.41	233				3,870	7.3
22	Pecos River	SW 1/4 sec. 16, T.2 N., R.26 E., below Ft. Sumner (regular gaging station). River mile 176.6	27.8	209				3,080	7.2
22	do.	do.	43.0	215				2,730	7.4
22	do.	do.	44.8	211				2,720	7.3
22	do.	SEC sec. 1, T.2 N., R.26 E., below Arroyo Salado. River mile 163.0	25.9	157				4,190	7.3
22	do.	NE 1/4 sec. 3, T.2 N., R.25 E., above Conejos Creek. River mile 156.6	22.3	152				4,240	6.9
22	Conejos Creek	SW 1/4 sec. 3, T.2 N., R.25 E., at mouth. River mile 155.1	.01	149				4,120	7.0
22	Pecos River	SE 1/4 sec. 3, T.2 N., R.25 E., below Conejos Creek. River mile 155.9	21.4	152				4,220	7.2
22	do.	NE 1/4 sec. 22, T.2 N., R.25 E., below Cedar Creek. River mile 152.8	19.3	142				4,460	7.4
22	do.	SW 1/4 sec. 10, T.3 N., R.25 E., above Arroyo de la Mora. River mile 145.3	16.0	137				4,120	7.4
22	Arroyo de la Mora	SE 1/4 sec. 3, T.3 N., R.24 E., at road crossing 6 miles above mouth. River mile 144.7	.04	83				4,670	7.2
22	Pecos River	NE 1/4 sec. 26, T.3 N., R.25 E., above Wylie Draw. River mile 143.0	14.2	144				4,740	7.5
22	do.	NE 1/4 sec. 14, T.4 N., R.25 E., above Hernandez Draw. River mile 135.0	11.2	126				4,320	7.5
22	do.	SW 1/4 sec. 36, T.4 N., R.25 E., at Benedict's pump. River mile 128.5	10.8	122				4,100	7.0
22	do.	NE 1/4 sec. 14, T.5 N., R.25 E., above Higgins Creek. River mile 124.6	9.74	126				5,240	7.2
22	do.	NE 1/4 sec. 9, T.6 N., R.26 E., below Crockett Draw. River mile 118.0	10.5	125				5,220	7.1
22	do.	SW 1/4 sec. 33, T.6 N., R.26 E., below Bosque Draw. River mile 113.0	11.0	123				5,220	7.1
22	do.	SE 1/4 sec. 5, T.7 N., R.26 E., above Five Mile Draw. River mile 111.0	9.34	120				5,420	7.3
22	do.	NE 1/4 sec. 29, T.7 N., R.26 E., at Transwestern pipeline crossing. River mile 106.6	6.89	113				5,160	7.4
22	do.	SW 1/4 sec. 1, T.8 N., R.25 E., at El Paso pipeline crossing. River mile 102.9	7.04	105				5,160	7.4
22	do.	NE 1/4 sec. 35, T.8 N., R.25 E., above Arroyo Atascadero. River mile 97.6	6.91	101				5,280	7.3
22	do.	NE 1/4 sec. 14, T.9 N., R.25 E., near Acme (regular gaging station). River mile 94.0	7.36	100				5,280	7.4

Provided