

New Mexico Recharge Map

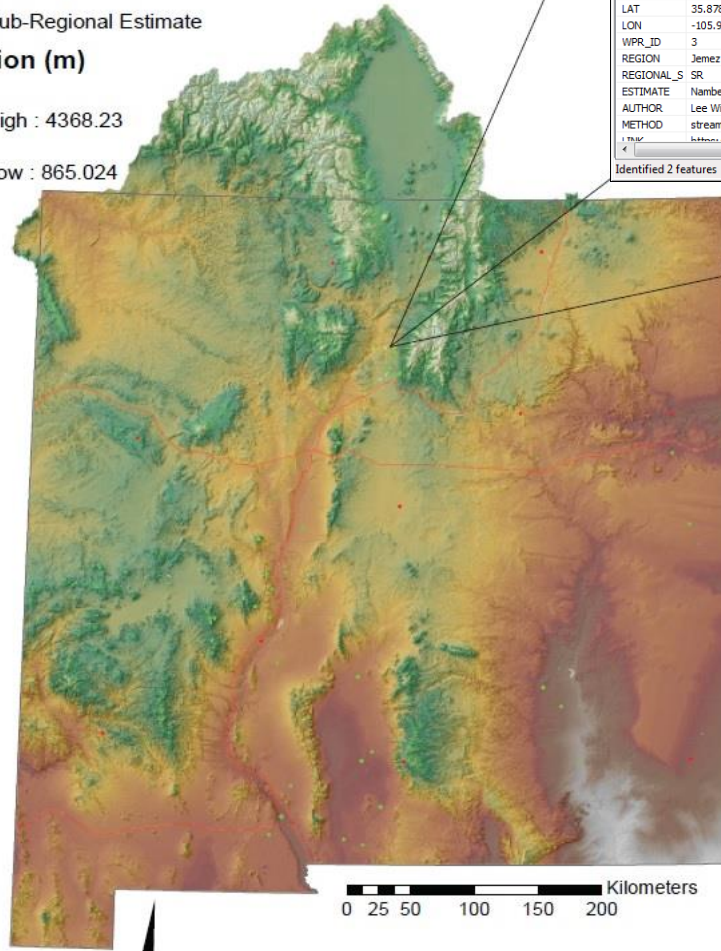
New Mexico Recharge

- Regional Estimate
- Sub-Regional Estimate

Elevation (m)

Value

- High : 4368.23
- Low : 865.024



Field	Value
OBJECTID	18
Shape	Point
LAT	35.878619
LON	-105.959044
WPR_ID	3
REGION	Jemez y Sangre
REGIONAL_S	SR
ESTIMATE	Nambe-Pojoaque Drainage: 2700 AFY
AUTHOR	Lee Wilson and Associates (1978)
METHOD	streamflow and existing literature examination
LINK	https://www.net.edu/files/estimates/guidebook/downloads/20/20_e0203_e0208.pdf

New Mexico Recharge Estimates Table

Includes location, Water Resource Planning Region, Recharge Estimate, Author, Methodology, and Link to Online Content.

1	D	E	F	G	H	I	
WPR_ID	REGION	REGIONAL/SUB	ESTIMATE	AUTHOR	METHOD	LINK	
17	3	Jemez y Sangre	SR	La Cienega: 0.7" /yr	Spiegel and Baldwin (1963)	water mass balance	http://pubs.usgs.gov/wsp/152/
19	3	Jemez y Sangre	SR	Nambe-Pojoaque Drainage: 2700 AFY	Lee Wilson and Associates (1978)	streamflow and existing literature examination	https://nrngs.nmt.edu/publicat
20	3	Jemez y Sangre	SR	Tesuque R. Drainage: 1500 AFY	Lee Wilson and Associates (1978)	streamflow and existing literature examination	https://nrngs.nmt.edu/publicat
21	3	Jemez y Sangre	SR	Sta Fe R. Drainage: 3500	Lee Wilson and Associates (1978)	streamflow and existing literature examination	https://nrngs.nmt.edu/publicat
22	3	Jemez y Sangre	SR	Sta. Fe R. Drainage: 2070	Hearne (1985)	simulations based on streamflow estimates of Reiland (1975)	http://pubs.usgs.gov/wsp/220/
23	3	Jemez y Sangre	SR	Pojoaque R. Drainage: 2250 AFY	Hearne (1985)	simulations based on streamflow estimates of Reiland (1975)	http://pubs.usgs.gov/wsp/220/
24	3	Jemez y Sangre	SR	R. Chupadero Drainage: 390 AFY	Hearne (1985)	simulations based on streamflow estimates of Reiland (1975)	http://pubs.usgs.gov/wsp/220/
25	3	Jemez y Sangre	SR	Tesuque R. Drainage: 1800 AFY	Hearne (1985)	simulations based on streamflow estimates of Reiland (1975)	http://pubs.usgs.gov/wsp/220/
26	3	Jemez y Sangre	SR	R. En Medio: 890 AFY	Hearne (1985)	simulations based on streamflow estimates of Reiland (1975)	http://pubs.usgs.gov/wsp/220/
29	3	Jemez y Sangre	SR	Pojoaque R. Drainage: 2250 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
30	3	Jemez y Sangre	SR	Mountain front recharge in Sta. F. R. Basin: 5390 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
31	3	Jemez y Sangre	SR	Mountain front recharge in Pojoaque Basin: 6080 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
33	3	Jemez y Sangre	SR	Mountain stream channel recharge to Sta. F. R. Basin: 5430 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
34	3	Jemez y Sangre	SR	Mountain stream channel recharge to Pojoaque Basin: 5300 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
35	3	Jemez y Sangre	SR	Mountain stream channel recharge A. de los Chamisos: 1010 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
36	3	Jemez y Sangre	SR	Mountain stream channel recharge A. Hondo: 510 AFY	McAda and Wasiolek (1988)	estimates based on streamflow estimates of Reiland (1975)	http://pubs.er.usgs.gov/public
38	3	Jemez y Sangre	SR	Grand Total: 32020 AFY	McAda and Wasiolek (1988)	based on precip infiltration coeff of (0.05-0.5) varying accordi	http://pubs.er.usgs.gov/public
39	3	Jemez y Sangre	SR	Total Direct Recharge: 7700 AFY	McAda and Wasiolek (1988)	based on precip infiltration coeff of (0.05-0.5) varying accordi	http://pubs.er.usgs.gov/public
40	3	Jemez y Sangre	SR	3200 AFY	Wasiolek (in press)	water balance method from Toendle and Leaf (1980)	http://pubs.usgs.gov/wri/193/
41	3	Jemez y Sangre	SR	MFR R. en Medio: 1710 AFY	Wasiolek (in press)	water balance method from Toendle and Leaf (1980)	http://pubs.usgs.gov/wri/193/
42	3	Jemez y Sangre	SR	MFR Tesuque Cr. Drainage: 1530 AFY	Wasiolek (in press)	water balance method from Toendle and Leaf (1980)	http://pubs.usgs.gov/wri/193/
43	3	Jemez y Sangre	SR	MFR Sta. Fe R. Drainage: 4170 AFY	Wasiolek (in press)	water balance method from Toendle and Leaf (1980)	http://pubs.usgs.gov/wri/193/
44	3	Jemez y Sangre	SR	MFR Little Tesuque Cr. Drainage: 1790 AFY	Wasiolek (in press)	water balance method from Toendle and Leaf (1980)	http://pubs.usgs.gov/wri/193/
45	3	Jemez y Sangre	SR	MFR to Tesuque A. of Espanola B.: 14700 AFY	Wasiolek (1995)	from NMOSE water budgets (0.13)(annual precip)	http://pubs.usgs.gov/wri/193/
46	3	Jemez y Sangre	SR	stream channel recharge Sta Fe R.: 1.7cfs over 2.5 mi reach above La Bajada	Thomas et. Al. (2000)	measure loss of flow, 745 obs, and assumed (0.02-0.08)(flow)	http://pubs.er.usgs.gov/pub
47	3	Jemez y Sangre	SR	Stream channel recharge to A. Hondo: 13 AF (2000), 200 AF (2001), 0 AF (2002)	Moore (2007)	inverse modeling of infiltration using flow gauges spaced 2km	http://pubs.usgs.gov/pp/17/
48	3	Jemez y Sangre	SR	Galisteo Cr.: 3600 AFY	Kernodle, McAda, Thorne (1995)	Mass balance involving precipitation, evaporation, and surfac	http://pubs.usgs.gov/wri/1934/
49	3	Jemez y Sangre	SR	Sta Fe River Drainage: 4000 AFY	Kernodle, McAda, Thorne (1995)	Mass balance involving precipitation, evaporation, and surfac	http://pubs.usgs.gov/wri/1934/
50	4	SW New Mexico	R	224000 AFY	DBS&A (2005)	Precipitation infiltration coefficient estimate	http://www.ose.state.nm.us/PI/
51	4	SW New Mexico	SR	3932 AFY Stream Channel Recharge between Feywood and Spaulding	Cuddy and Keyes (2011)	Measurement of flow -loss	http://www.ose.state.nm.us/PI/
52	4	SW New Mexico	SR	76000 AFY Upper Mimbres Basin from Mountain Front Runoff, Stream Infiltration and	Hanson et al (1994)	Analysis of mount-front runoff (Hearne and Dewey (1988), infil	http://pubs.er.usgs.gov/public
53	5	Tularosa - Sacram	R	45300 AFY	Waltmeyer (2001)	Basin Climatic Characteristics Model	http://pubs.er.usgs.gov/public
54	5	Tularosa - Sacram	R	67900 AFY	Mamer et al (2014)	Darcy Flow calculations (mean elev. Cf each basin)(av. Annu	https://geoinfo.nmt.edu/public
55	5	Tularosa - Sacram	R	75000 AFY	Livingston and Shoemaker (2006)	Surplus Precipitation Estimate	http://ci.alamogordo.nm.us/As