

## APPENDIX 2 – TREE RING SITE INFORMATION

Table 2.1 Complete listing of tree-ring sites considered as possible candidates for predictors in streamflow reconstruction models<sup>1</sup>

Site Name	File <sup>2</sup>	Species <sup>3</sup>	Lat	Long	Elev(m) <sup>4</sup>	Source <sup>5</sup>
1 Agua Fria	nm564	PIED	34.2	-108.6	2225	ITRDB
2 Alpine	alpiners	PIED	33.9	-109.0	NaN	Meko93
3 Beaver Creek	az513	PIPO	33.7	-109.2	2390	ITRDB
4 Betatakin Canyon	AZ085	PSME	36.7	-110.5	NaN	ITRDB
5 Black Canyon	co053	PSME	38.6	-107.7	2426	ITRDB
6 Black Mountain	bkm	many	33.4	-108.4	2710	Meko93
7 Bobcat Canyon	bobcat	PSME	37.2	-108.5	NaN	Meko93
8 Canyon de Chelly	az082	PSME	36.1	-109.4	NaN	ITRDB
9 Canyon de Chelly PLUS 1	ad1000s	many	36.0	-109.9	1830	Ni
10 Cebolleta Mesa PLUS 2	ad1000s	many	35.1	-108.6	2114	Ni
11 Central Mountains	swarchy	many	34.0	-110.4	1875	Funkhouser
12 Chama Valley PLUS 3	ad1000s	many	36.0	-106.1	2137	Ni
13 Chicago Creek	co060	PSME	39.7	-105.6	2835	ITRDB
14 Cross Canyon, AZ	crosscan	PIED	35.7	-109.3	NaN	Meko93
15 Dead Juniper Wash, AZ	AZ103	JUSP	36.2	-110.5	1920	ITRDB
16 Defiance West, AZ	AZ046	PSME	35.9	-109.4	NaN	ITRDB
17 Desert Peak	deseret	PSME	40.5	-112.6	NaN	Meko93
18 Dinnebito Wash	AZ084	PIED	36.2	-110.5	NaN	ITRDB
19 Ditch Canyon, Earlywood	NM503e	PSME	37.0	-107.1	2073	ITRDB
20 Ditch Canyon, NM	ditch	PIPO	37.0	-107.8	2073	Meko93
21 Dolores	CO066	PSME	37.6	-108.6	2286	ITRDB
22 Dolores	CO067	PIED	37.6	-108.6	2195	ITRDB
23 Dry Creek	az517	PIED	34.9	-111.8	1377	ITRDB
24 Durango PLUS 1	ad1000s	many	37.2	-108.0	2073	Ni
25 Eagle	co052	PSME	39.6	-106.9	1951	ITRDB
26 Eagle Creek	az518	PIED	33.5	-109.5	1694	ITRDB
27 Eagle Creek	eagleck	PIED	33.5	-109.5	NaN	Meko93
28 Eagle East	co063	PIED	39.7	-106.7	2164	ITRDB
29 Echo Amphitheater	NM026	PSME	36.4	-106.5	NaN	ITRDB
30 Echo Amphitheatre, NM	echoam	PSME	36.4	-106.5	NaN	Meko93
31 El Malpais	ad1000s	PSME	35.0	-108.1	2423	Ni
32 El Malpais National Monument	NM572	PSME	35.0	-108.1	NaN	ITRDB
33 Elbow Campground	WY013	PSME	43.2	-110.8	NaN	ITRDB
34 Elephant Rock	NM559	PIPO	36.7	-105.4	NaN	ITRDB
35 Elephant Rock PLUS 1	ad1000s	many	36.7	-105.5	2796	Ni
36 Flagstaff	swarchy	many	35.3	-111.5	2130	Funkhouser
37 Fort Grant Overlook	AZ550	PISF	32.7	-109.9	NaN	ITRDB
38 Fort Wingate	NM031	PIED	35.4	-108.5	2268	ITRDB
39 Fossil Butte National Monument	WY026	PIFL	41.9	-110.8	NaN	ITRDB
40 Gambler-Upper Dinnebito, AZ	gamdin	PIED	36.2	-110.5	NaN	Meko93
41 Gobernador PLUS 2	ad1000s	many	36.5	-108.5	2195	Ni
42 Grasshopper	az523	PIPO	34.1	-110.6	1794	ITRDB
43 Green Mountain	AZ520	PIPO	32.4	-110.7	NaN	ITRDB
44 Gros Ventre	wy008	PIFL	43.6	-110.5	2179	ITRDB
45 Hackberry Canyon	hackberr	PIED	34.4	-111.7	NaN	Meko93
46 Hard Rock	AZ066	PIED	36.2	-110.3	1920	ITRDB
47 Hermit Lake	CO525	PIAR	38.1	-105.6	NaN	ITRDB
48 Island Lake	CO511	PIFL	40.0	-105.6	NaN	ITRDB
49 Italian Canyon	NM560	PIFL	36.7	-105.5	NaN	ITRDB
50 Jicarita peak	NM014	PIAR	36.0	-105.5	NaN	ITRDB

Site Name	File <sup>2</sup>	Species <sup>3</sup>	Lat	Long	Elev(m) <sup>4</sup>	Source <sup>5</sup>
51 Kaibab Plateau	AZ129	PIED	36.6	-112.1	NaN	ITRDB
52 Kane Spring	UT020	PIED	37.5	-109.9	NaN	ITRDB
53 La Sal Mountains	ut018	PIED	38.5	-109.3	2323	ITRDB
54 Laramie, Site A	WY010	PSME	41.1	-106.1	NaN	ITRDB
55 Mammoth Creek	ad1000s	PILO	37.6	-112.7	2590	Ni
56 Mammoth Creek	ut509	PILO	37.6	-112.7	2590	ITRDB
57 Medicine Bows 4	WY020	PCEN	41.4	-106.3	NaN	ITRDB
58 Milk Ranch Point	UT024	PIED	37.6	-109.7	2286	ITRDB
59 Mimbres Junction	nm568	PIED	33.0	-108.0	1950	ITRDB
60 Monarch Lake	CO544	PIPO	40.1	-105.7	NaN	ITRDB
61 Mount Carmel Junction, UT	carjct	PIED	37.2	-112.7	NaN	Meko93
62 Mount Graham PLUS 2	ad1000s	many	33.6	-109.1	2950	Ni
63 Mt Evans	CO072	PIAR	39.6	-105.6	NaN	ITRDB
64 Mt Goliath	CO522	PIAR	39.6	-105.6	NaN	ITRDB
65 Mt Naomi	mtnaomi	PSME	41.9	-111.7	NaN	Meko93
66 Mt Raymond, UT	raymond	PSME	40.6	-111.8	NaN	Meko93
67 Natural Bridges PLUS 2	ad1000s	many	37.5	-110.4	1859	Ni
68 Natural Bridges-Kane Spring	natkane	PIED	37.5	-109.9	1960	Meko93
69 Navajo Mountain, UT	navajo	PIED	37.0	-110.8	NaN	Meko93
70 Navajo National Monument, AZ	AZ023	PSME	36.7	-110.5	NaN	ITRDB
71 New North Park	co050	PSME	40.9	-106.3	2469	ITRDB
72 Nine Mile Canyon	ut505	PSME	39.8	-110.3	1920	ITRDB
73 Niwot Ridge	CO545	PIFL	40.0	-105.6	NaN	ITRDB
74 Paria Plateau	AZ144	PIED	36.8	-112.1	NaN	ITRDB
75 Paria Plateau, A	dgpsme	PIED	37.5	-112.1	1986	Grow
76 Paria Plateau, B	dgpsme	PSME	37.6	-112.1	2750	Grow
77 Pedro Mountains, Site B	WY016	PIFL	42.4	-106.8	NaN	ITRDB
78 Pumphouse	CO579	PIED	40.0	-106.5	NaN	ITRDB
79 Rainbow Curve	CO547	PIFL	40.4	-105.7	NaN	ITRDB
80 Red Butte	AZ047	PIED	35.8	-112.0	NaN	ITRDB
81 Red Butte, AZ	redbutte	PIED	35.8	-112.1	1940	Meko93
82 Reef of Rocks	AZ557	PSME	32.5	-110.8	NaN	ITRDB
83 Reserve	swarchy	many	33.5	-108.6	3017	Funkhouser
84 Rose Peak	az541	PIPO	33.4	-109.4	2316	ITRDB
85 Salida	CO055	PSME	38.5	-105.9	NaN	ITRDB
86 San Francisco Peaks	AZ510	PIAR	35.5	-111.7	NaN	ITRDB
87 Sandia Crest Cliffs	ad1000s	PIFL	35.2	-106.5	3048	Ni
88 Satan Pass	NM025	PSME	35.6	-108.1	NaN	ITRDB
89 Schulman Old Tree	co021	PSME	37.2	-108.5	2103	ITRDB
90 Sheep Mountain	WY019	PSME	41.1	-106.1	NaN	ITRDB
91 Shonto Plateau	AZ086	PIED	36.8	-110.7	2134	ITRDB
92 Showlow	showlow	PIPO	34.3	-109.8	2073	Meko93
93 Slate Mountain	az543	PIPO	35.5	-111.8	2194	ITRDB
94 Snow Bowl	AZ553	PCEN	35.4	-110.2	3150	ITRDB
95 South of Peak 78, UT	speak78	PSME	41.5	-112.0	NaN	Meko93
96 Spider rock, AZ	spider	PSME	36.1	-109.3	NaN	Meko93
97 Spruce Canyon	CO509	PSME	37.2	-108.5	2115	ITRDB
98 Stoneman Interchange	stoneint	PIED	34.8	-111.7	NaN	Meko93
99 Timberline Pass	CO549	PCEN	40.4	-105.7	NaN	ITRDB
100 Tsegi Point Road	AZ102	PIED	36.7	-110.5	2196	ITRDB

*Appendix 2 – Site Information*

Site Name	File <sup>2</sup>	Species <sup>3</sup>	Lat	Long	Elev(m) <sup>4</sup>	Source <sup>5</sup>
101 Tsegi-Betatakin Canyon, AZ	tsgbet	PSME	36.7	-110.5	2042	Meko93
102 Tseh-Ya-Kin Canyon	AZ083	PSME	36.2	-109.3	1951	ITRDB
103 Tucson Side	AZ546	PIPO	32.2	-110.6	NaN	ITRDB
104 Turkey Springs	NM030	PIED	35.4	-108.5	NaN	ITRDB
105 Uhl Hill	wy001	PIFL	43.8	-110.5	2225	ITRDB
106 Uinta Mountains, A	ut013	PCEN	40.8	-110.0	3353	ITRDB
107 Uinta Mountains, D	ut502	PIED	40.6	-110.0	2289	ITRDB
108 Upper Gunnison	co061	PSME	38.7	-106.9	2530	ITRDB
109 Wagon Wheel Gap	CO502	PSME	37.8	-106.8	NaN	ITRDB
110 Walnut Canyon	az547	PIPO	35.2	-111.5	2057	ITRDB
111 Walnut Canyon, AZ	walnutd	PIED	35.4	-111.6	NaN	Meko93
112 Water Canyon	UT507	PIPO	37.7	-112.1	NaN	ITRDB
113 Webb Peak	AZ558	PSME	32.7	-109.9	NaN	ITRDB
114 Whiskey Mountain	WY028	PSME	43.4	-109.6	NaN	ITRDB
115 White Canyon	UT023	PSME	37.6	-110.0	1859	ITRDB
116 Wild Horse Ridge	UT508	PILO	39.4	-111.1	NaN	ITRDB
117 Wind River Mountains, D	wy002	PIFL	43.1	-110.1	2500	ITRDB
118 Windy Ridge	CO523	PIAR	39.3	-106.1	NaN	ITRDB
119 spider rock, AZ	spider	PSME	36.1	-109.3	NaN	Meko93

<sup>1</sup>Sites considered for specific reconstructions varies by basin; see tables in Appendix 3 to identify which chronologies were used for reconstructions

<sup>2</sup>Source computer file for chronology; chronologies are either from .crn files with the designated name (e.g., nm564.crn), or columns from ascii files adl00s.txt or swarchy.txt

<sup>3</sup>Species codes defined as follows: PIED=*Pinus edulis*; PIPO=*Pinus ponderosa*; PSME=*Psuedotsuga menziesii*; JUSP=*Juniperus* species; PISF=*Pinus strobiformis*; PIFL=*Pinus flexilis*; PIAR=*Pinus aristata*; PILO=*Pinus longaeva*; PCEN=*Picea engelmannii*; many=mix of several species;

<sup>4</sup>Approximate elevation of site, in meters above msl. NaN means this information not available in the data file.

<sup>5</sup>Source of data, coded as follows: ITRDB=downloaded from Internation Tree-Ring Data Bank; Meko93=chronology in network for Meko et al (1993) drought study; Ni=Ni et al. (2002); Funkhouser=provided by Gary Funkhouser, a co-author on Graybill et al. (nd); Grow=tree-ring widths from dissertation work of David Grow (Laboratory of Tree-Ring Research) -- widths only are available at ITRDB, and were downloaded and converted to chronologies for use on this project

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