

1973

116 3

AMENDED SOUTH BDK.

WHITE MOUNTAIN INDIAN RESERVATION.

Philip Contzen.

1973

BOOK 1973

4-671

1973

1973

FIELD NOTES

GENERAL LAND OFFICE.

1973

Amended South bound day 11 of the
White Mountain Indian Reservation

Chamo

bears $N 89^{\circ} E$, 84½ lbs.
dist. marked W. M.
S. R. A. S. 15½ M.
B. T.

A cedar 14 ins. diam.,
bears West 21 lbs.
dist. marked W. M.
S. R. A. S. B. 15½ M.
B. T.

A cedar 9 ins. diam.,
bears $N 51\frac{1}{2}^{\circ} W$, 36 lbs.
dist. marked W. M.
S. R. A. S. B. 15½ M. B. T.

40.80 Foot of descent,
gulch 20 lbs. wide, course
S. W.

41.50 Ascend 30 ft

45.50 Top of ascent, bears
N. E. and S. W.; ^{and} descend

Amended South boundary of the
Chains

- 52.20 Foot of descent;
gulch 20 fms. wide,
course S.W.
- 53.50 Gulch, 10 fms. wide, course
and ascend
- 57.00 Top of ascent, bears
E. and W., ²/₃ of descend
- 59.80 Gulch, 2 fms. wide, course
S.W.
- 62.00 Large boulders ²/₃ of
manzanita ²/₃ of oak
under growth, bears
N. and S.
- 67.00 Gulch, 10 fms. wide,
course W.
- 68.00 Trail, bears N35° W.
and S35° E, leading
to Bull Springs, about
15 chs. dist., S35° E

White Mountain Indian Reservation

Chairs.

- 74.00 Foot of descent,
and trail, bears
 $N 20^{\circ} W$ and $S 20^{\circ} E$.
- 75.00 Dry wash, 20 fms.
wide, course $N 20^{\circ} W$.
- 75.50 Ascend 40 ft.
- 77.00 Top of ascent, bears
 $N. W.$ and $S. E.$
- 80.00 Set a granite stone
 $26 \times 16 \times 4$ ins., 19 ins.
in the ground for
16 Mile Cor., marked
 $W. M. I. R. G. S. B.$ on
 $N.$, $16 M.$ on $E.$, and
 $P. S.$ on $S.$ faces;
and raise a mound
of stone 5 ft. base,
 $2 \frac{1}{2}$ ft. high, $N.$ of cor.
No trees within limits

Amended South Boundary of the
Chains

Land, mountainous
Soil gravelly ^{and} stony,
3rd rate and worthless
Timber, oak and cedar
Undergrowth, manzanita,
oak and catsclaw
Cacti, yucca ^{and} mesquite

N 77° 48' W. on a true
line on 17th Mile
Over rolling ^{and}
mountainous land,
through oak ^{and} man-
zanita undergrowth.

.50 Ascend 30 ft.

4.50 Top of ascent, bears
N. N. E. and S. S. W.;
and descend 15 ft. to

5.50 Gulch, 2 blks. wide,

White Mountain Indian Reservation

Hans

course S.W.; and
ascend

7.00 Top of ascent, bears
E. and W.; and descend
to

8.50 Gulch, 2 lks. wide, course
W.

9.00 Ascend

10.00 Top of ascent, bears S.W.,
and descend 20 ft. to

11.70 Gulch, 5 lks. ^{wide}, course
Southerly

12.00 Ascend ridge

17.00 Top of ridge, bears
E. and W.; and descend
to

21.70 Gulch, 20 lks. wide,
course W.

24.50 Gulch, 20 lks. wide,

Amended South boundary of the
Chain

course W.

30.50 Cañon 20 fms. wide,
course N. W., ascend
through dense
manzanita and oak
undergrowth

31.00 Ascend 90 ft.

35.00 Top of ascent, bears
N. E. and S. W., and
descend 30 ft to

39.50 gulch, 10 fms. wide,
course N. E.; and ascend

40.00 Set a granite
stone 24 x 14 x 6 ins.,
18 ins. in the ground
for 16½ Mile Cor.,
marked W. M. I. R.
A. S. B. on N., 16½ M.
on E., and P. L.

White Mountain Indian Reservation

Chains

on S. faces; and
 raise a mound of
 stone 5 ft. base, $2\frac{1}{2}$
 ft. high, 3 ft. N. of cor.
 No trees within limit

- 41.00 gulch 5 lks. wide,
 course N. N. E.
- 43.00 Top of ascent; bears
 N. E.; and descend
 10 ft. to
- 44.00 gulch 30 lks. wide,
 course N.
- 44.50 Ascend 30 ft.
- 50.00 Top of ascent, bears
 N. E.; and descend
 60 ft to
- 51.60 Gulch, 30 lks. wide,
 course N.
- 52.00 Ascend

Amended South boundary of the
Chains

- 53.00 Top of ascent, bears
N.E. and S.W.; and
descend
- 59.50 Foot of descent,
gulch 10 lks. ^{wide}, course N.E.
- 60.00 Ascend 60 ft.
- 62.50 Top of ascent, bears
N.E.; and descend
100 ft.
- 67.00 Foot of descent,
gulch 20 lks. wide,
course N20° W.
- 67.50 Leave dense manzanita and oak undergrowth, bears N.W. and S.E.; and ascend
- 74.50 Top of ascent, bears
N20° W. and S.20° E

White Mountain Indian Reservation

Chains

80.00

Set a granite stone 25 x 14 x 7 ins., 18 ins. in the ground for 17 Mile Cor. marked W. M. I. R. A. S. B. on N., 17 M. on E., and P. & Low S. faces; and raise a mound of stone 5 ft. base, 2½ ft. high, 3 ft. N. of cor. No trees within limits. Land mountainous, and rolling. Soil gravelly loam, 2nd and 3rd rate. No timber. undergrowth oak and manzanita.

Amended South boundary of the
chains

Cacti, mescal ³/₄ yucca
January 12, 1898

N 77° 48' W. on a true
line on 18th Mile.

Over mountainous
land, descending

9.50 Foot of descent,
gulch 40 lks. wide,
course N 20° W.

10.00 Ascend ridge

15.00 Top of ridge, bears
N 12° W. and S 12° E;
descend 80 ft. to

21.60 Gulch 10 lks. wide,
course N 20° W, ascent

23.50 Top of ascent, bears
E. and W., and descend
30 ft. to

25.10 Gulch 10 lks. wide,

White Mountain Indian Reservation

course Easterly

25.50 Ascend ridge

31.60 Top of ridge, bears
 $N 12^{\circ} W$ and $S 12^{\circ} E$, and
 descend gradually

40.00 Set a granite stone
 $22 \times 12 \times 10$ ins., 17 ins.

in the ground for
 $17\frac{1}{2}$ Mile Cor., marked

W. M. I. R. A. S. B. on
 N., $17\frac{1}{2}$ M. on E.,

and P. L. on S. face,

and raise a mound
 of stone 5 ft. base,
 $2\frac{1}{2}$ ft. high, 3 ft.

N. of cor., from which
 a cedar 8 ins. diam.,

bears $S 14^{\circ} E$, 208 lks.
 dist., marked W. M.

Amended South boundary of the
Chains

S. R. A. S. B. 17½ M. B. F.

No other trees within
limits.

- 41.00 Descend 40 ft.
- 45.30 Gulch, 10 Mts. wide,
course Westerly
- 46.10 Gulch, 10 Mts. wide,
course S. E.
- 48.20 Gulch 10 Mts. wide,
course S. ; ascend
- 49.00 Top of ascent, and
descend 25 ft. to
- 49.50 Gulch, 2 Mts. wide,
course W.
- 50.20 Gulch, 20 Mts. wide,
course S. S. E.
- 50.50 Ascend ridge
- 52.50 Top of ridge, bears
N. E. and S. W. ; and

White Mountain Indian Reservation

- descend 60 ft. to
 55.00 Gulch, 2 lks. wide,
 course Westerly
- 56.50 Gulch, 2 lks. wide,
 course Westerly
- 62.10 Trail, bears N.E. $2\frac{1}{2}$ of S.W.
- 63.40 Trail, bears N 42° W. $2\frac{1}{2}$ of
 S 42° E.
- 63.50 Gulch, 20 lks. wide,
 course N 42° W, and
 ascend
- 65.00 Enter dense man-
 ganita undergrowth,
 bears N. and S.
- 76.50 Top of ridge, bears
 N 30° W. and S 30° E;
 and descend
- 78.00 Indications of
 copper.

Amended South boundary of the
Chams

80.00 Set a porphyry
stone $27 \times 14 \times 6$ ins.,
20 ins. in the ground
for 18 Mile Cor.,
marked N. W. S. R.
A. S. B. on N., 18 M.
on E., and P. L.
on S. faces, and
raise a mound
of stone 7 ft. base,
3 ft. high, 4 ft. N.
of cor. No trees
within limits.

Land mountainous
and rolling.

Soil gravelly loam,
2nd and 3rd rate

Timber, a few scattering
cedars, undergrowth

White Mountain Indian Reservation

Chains

manganita and
oak.

Cacti, Nopal, mesquite
and yucca.

January 23, 1898

N 77° 48' W. on a true
line, on 19th Mile.

Descending steep
bank of Kelly gulch
through canutillo
undergrowth

.50 Gulch 4 lks. wide,
course N.W.

1.50 Gulch 10 lks. wide,
course Westerly

2.00 Ascend spur

4.00 Top of spur, bears
E and W.; and descend
to

Amended South boundary of the
chains

- 7.20 Gulch, 40 lks. wide,
course Westerly
- 7.50 Ascend spur, 40 ft
- 9.00 Top of spur, bears
Westerly; and descend
30 ft. to
- 10.80 Gulch, 30 lks. wide,
course Westerly
- 11.00 Ascend spur
- 12.50 Top of spur, bears
Westerly; and descend
to
- 13.50 Gulch, 10 lks. wide,
course N.W.
- 15.00 Foot of bank;
and enter Kelly
gulch course North
Westerly
- 16.70 Leave Kelly gulch;

White Mountain Indian Reservation

- Chains and ascend steep bluff 30 ft. high
- 19.40 Gulch 10 lbs. wide, course N.W.
- 18.20 Trail, bears N. and S.
- 24.30 Top of ascent, bears N.E. and S.W.; and descend to
- 25.00 Gulch, 40 lbs. wide, course N.E.
- 25.50 Ascend
- 35.00 Top of ascent, bears E. and W. and descend -
- 40.00 Set a limestone 28 x 10 x 8 ins., 21 ins. in the ground for 18½ Mile Cor., marked M. M. S. R. A. S. B. on N., 18½ M. on E.,

Amended South boundary of the
Chains

and P. L. on S.
faces; and raise
a mound of stone
5 ft. base, 2½ ft.
high, 3 ft. N. of Cor;
from which

A pinion 6 ins. diam.
bears $N13\frac{1}{2}^{\circ}E$. 48 lbs.
dist. marked W. M.
S. R. A. S. B. 18½ M.
B. T.

A pinion 10 ins. diam.
bears $N80\frac{1}{4}^{\circ}E$. 49 lbs.
dist. marked W. M.
S. R. A. S. B. 18½ M. B. T.

A pinion, 3 ins. diam.
bears $S32^{\circ}W$. 40 lbs.
dist. marked W. M.
S. R. A. S. B. 18½ M. B. T.

White Mountain Indian Reservation

Chains

- A pinion, 4 ins. diam
 bears $S 78\frac{1}{2}^{\circ} E$, 52 lks.
 dist.; marked
 W. M. I. R. A. S. B.
 $18\frac{1}{2}$ M. B. F.
- 40.50 Gulch, 40 lks. wide,
 course N.; and ascend
- 43.50 Top of ascent, bears
 N.E. and S.W.; and
 descend 60 ft. to
- 44.70 Gulch, 90 lks. wide,
 course N.E.
- 45.00 Ascend
- 50.00 Top of ridge, bears
 N.N.E. and S.S.W.;
 and descend 20 feet
 to
- 51.80 Gulch, 6 lks. wide,
 course N.E.

Amended South boundary of the
Chains

- 52.00 Ascend 40 ft.
- 54.95 Horn's trail, bears
N15°E. and S.15°W.,
leading to prospects
about 150 ft. N. of
line.
- 55.00 Top of bank,
bears N15°E. and S15°W.,
descend 50 ft.
- 56.50 Foot of descent;
and ascend
- 66.02 Trail, bears N.E. ⁹⁰ and S.W.
- 68.00 Top of ridge, bears
N35°W. and S35°E.;
and descend
- 80.00 Set a granite stone
25 x 20 x 5 ins.,
18 ins. in the ground
for 19 Mile Cor.,

White Mountain Indian Reservation

Trails

marked W. M. I.
R. A. S. B. on N.,
19 M. on E., and
P. I. on S. faces;
and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft. N.
of cor.; from which
A conutillo 6 ins.
diam., bears S 56¼° W.
54 lbs. dist. marked
W. M. I. R. A. S. B. 19 M.
B. I. No other trees
within limits.

Land mountainous
and rolling.
Soil gravelly loam,
3rd and 4th rate
Timber, Piñon, cedar

Amended South boundary of the
Chains

oak and sycamore
Under growth, oak,
manzanita and
cañutillo

Cacti, mescal, yucca,
nopal

W N 77° 48' E. on a true
line on 20th Mile

Descending

.25 Foot of descent, and
gully 15 fms. wide,
course N. W.

2.00 Ascend ridge 150 ft

9.50 Top of ridge, bears
N 45° W. and S. 45° E.,
and descend 70 ft

15.60 Foot of descent, and
gully 25 fms. wide, course N 70°

White Mountain Indian Reservation

Chains

- 15.90 Ascend 90 ft.
- 31.00 Top of ascent, bears $N30^{\circ}W$ and $S30^{\circ}E$,
and descend 40 ft.
- 40.00 Set a line stone,
 $25 \times 14 \times 7$ ins., 18 ins.
in the ground for
 $19\frac{1}{2}$ Mile Cor., marked
W. M. I. R. A. S. B. on N.,
 $19\frac{1}{2}$ M. on E., and
P. & P. on S. faces,
and raise a mound
of stone 5 ft. base,
 $2\frac{1}{2}$ ft. high, 3 ft. N.
of Cor. No trees within
limits. Prominent
peak in the Antae Mountains,
bears $N24\frac{1}{2}^{\circ}E$. - S. E.
cor. of school building

Amended South boundary of the
Chains

at San Carlos, bears
N^{20°35'}W.

- 41.00 Feet of descent
41.50 Ascend
52.00 Top of ascent, bears
N.W. and S.E., and
descend 30 ft.
65.00 Feet of descent, and
ascend
69.00 Top of ascent, bears
N. and S., and descend
90 ft. to
74.00 Gulch, 10 ft. wide,
course S.W., and
ascend
78.00 Top of ascent, bears
N. and S., and descend
80.00 Set a granite stone
26 x 20 x 6 ins., 19 ins. in

White Mountain Indian Reservation

Chains

the ground for 20 Mile
Co. marked W. M.
S. R. A. S. B. on N.
20 M. on E., and C. S.
on S faces, and raise
a mound of stone 5 ft.
base, 2½ ft. high, 3 ft.
N. of cor. No trees within
limits.

Land rolling and
mountainous.

Soil gravelly loam,
3rd rate.

No timber, under-
growth scattering oak,
manzanita ²/₃ canutillo.
January 24, 1898

N 77° 48' W, on a true
line on 21st Mile

Amended South boundary
Chains

- 1.00 Foot of descent, and ascend
- 3.50 Descend
- 9.50 Foot of descent
- 11.00 Horn's gulch, 40 fks. wide, course N.W.
- 13.50 Ascend
- 15.60 Top of ascent, bears N.E. and S.W., and descend to
- 16.40 Gulch, 10 fks. wide, course E.
- 16.50 Ascend
- 20.00 Top of ascent, bears N.E. and S.W.
- 22.90 Angle monument No. 2, previously set by me, 7 miles from the south side of

of the White Mountain Indian Reservoir

Chains

San Carlos Agency building proper on direct line with Stanley Butte. I set my transit over Angle Monument No. 2, by two fore and back sights turning the horizontal limb 180° in azimuth between the observations. I deflect my line, to strike the Mouth of Hawk Canon, $9^\circ 48'$ to the right ($N68^\circ W$). In addition to the marks already described in these fieldnotes, I mark

Amended South boundary of the
Chains

the stone set for
Angle Monument
No. 2, "20 M. 22.90 CH^S"
on E. and 9° 48' R.
on W. faces, there-
by completing Angle
Monument No. 2.

The Main Entrance of the
San Carlos Agency During
winter bears N. 16° 19' W.
7 Miles

January 26. 1898

Thence with fore
and back sights
I run N 68° W. on
a true line to the
Mouth of Hawk
Cañon.

- 23.00 Ascend
26.00 Top of ridge, bears
N. W. and S. E.
27.00 Road from Horn's

White Mountain Indian Reservation

Chains

camp to San Carlos,
bears N.W. and S.E.

34.00 Descend

40.00 Set a lime stone,
24 x 12 x 7 ins., 18 ins.
in the ground for
20½ Mile Cor., marked
W. M. S. R. A. S. B.
on N., 20½ M. on E.,
and P. Q. on S. face,
and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft. N.
of cor., from which
A canutillo 4 ins. diam.
bears S 73¼° E., 24 lbs.
dist. marked W. M.
S. R. A. S. B. 20½ M. S. B.
A canutillo 4 ins. diam.

Amended South boundary of the
Chains

bears $N46^{\circ}W$, 64 lks.

dist. marked W. M.

S. R. A. S. B. $20\frac{1}{2}$ M. B. T.

A camutillo 5 ins. diam,

bears $N85^{\circ}W$, 146 lks.

dist. marked W. M.

S. R. A. S. B. $20\frac{1}{2}$ M. B. T.

No other tree within
limits.

40.20 Foot of descent; and
Gulch 4 lks. wide, course
S. W.

41.00 Ascend 80 ft.

43.00 Gulch, 5 lks. wide,
course S. W.

45.00 Gulch, 20 lks. wide,
course S. S. E.

50.70 Top of spur, bears S. W.,
and descend

White Mountain Indian Reservation
Chains

- 55.40 Foot of descent, and gulch 5 lks. wide, course S. W., and ascend 90 ft.
- 62.00 Top of spur, bears S. W., and descend 80 ft.
- 66.00 Foot of spur, and gulch, 10 lks. wide, course Southerly
- 67.50 Ascend 90 ft.
- 70.70 Trail from Squaw Creek to San Carlos, bears Northerly ²/₃ of Southerly
- 71.50 Top of spur, bears S 20° W, and descend
- 75.50 Foot of spur, and gulch 10 lks. wide, course S. S. E.
- 76.00 Ascend 50 ft.

Amended South boundary of the
Chains

79.50 Top of spur, bears
S. W. ; and descend

80.00 Set a lime stone
22 x 10 x 10 ins., 15 ins
in the ground for
21 Mile Cor., marked
W. M. L. R. A. S. B. on
N, 21 M. on E., and P. L.
on S. faces, and
raise a mound of
stone 5 ft. base, 2½
ft. high, 3 ft. N. of
Cor., from which
A cedar 5 ins. diam.,
bears N 29¾° W. 163
lbs. dist. marked
W. M. L. R. A. S. B. 21 M.
B. T. - No other trees.
From which Quartzite

White Mountain Indian Reservation
Chains

peak, bears $S 41^{\circ} 10' E$.

Stanley butte, bears
 $S 21^{\circ} 30' E$.

Land rolling and
mountainous.

Soil gravelly loam,
2nd and 3rd rate

No timber; under-
growth, canutillo
Cacti, acritillo, mesquite
and Yucca.

$N 68^{\circ} W$ on a true line
on 22nd Mile;
descending

1.00 Foot of spur, and
gulch 4 blks. wide,
course Southerly,
and ascend 15 ft

Amended South boundary of the

Chains

2.50

Top of spur, bears S.W.
descend 60 ft.

12.00

Foot of spur, gulch
is lks. wide, course S.E.,
then S.W.

13.50

Ascend 50 ft

14.00

Top of spur, bears S.,
and descend 40 ft. to

15.10

Gulch 10 lks. wide, course
S.W.

15.50

Ascend 15 ft.

16.50

Top of spur, bears
S.W. and descend

29.50

Foot of general descent,
gulch 6 lks. wide, course S.

30.50

Ascend 70 ft

40.00

Top of spur, bears S.W.
Set a lime stone
20 x 16 x 10 ins., 15 ins.

White Mountain Indian Reservation

Chains

in the ground for
 2 1/2 Mile Cor., marked
 W. M. I. R. A. S. B.
 on N., 2 1/2 M. on E.,
 and P. S. on S. faces,
 and raise a mound
 of stone, 5 ft. base,
 2 1/2 ft. high, 3 ft. of cor.
 No trees within limits,

descend 70 ft. to

43.80 Gulch 4 lks. wide,
 course S. W. westerly

44.00 Ascend 90 ft.

49.50 Top of spur, bears
 S., and descend
 90 ft. to

52.50 Gulch, 20 lks. wide,
 course S 15° W., and
 ascend.

Amended South boundary of the
Chains

- 53.50 Gulch, 25 lks. wide,
course S.E.
- 58.50 Top of Spur, bears
S.W., and descend
75 ft. to
- 63.30 Gulch 10 lks. wide, course
S.W., and ascend 40 ft
- 63.50 Top of spur, bears
S 20° W, and descend
50 ft. to
- 74.00 Gulch, 10 lks. wide, course
S 20° W, and ascend
- 79.50 Top of Spur, bears
S 20° W, and descend
- 80.00 Set a limestone
24 x 12 x 10 ins., 18 ins.
in the ground for
22 Mile Cor., marked
W. M. S. R. A. S. B. on

White Mountain Indian Reservation
Chains

N. 22 W. on E, and
P. S. on S. faces;
and raise a mound
of stone 5 ft. base,
2 1/2 ft. high, 3 ft.
N. of cor. No trees
within limits.

Land rolling and
mountainous.

Soil gravelly loam;
3rd and 4th rate

No timber; under-
growth, canutillo.

Cacti, acotillo, mescal
and spanish daga
January 24, 1898

N 68° W. on a true line
on 23rd Mile
Over rolling and

Amended South boundary of the
Chains

- mountainous land,
descending
- 3.50 Foot of descent, and
gulch, 5 lks wide,
course S.
- 4.00 Ascend 70 ft.
- 10.00 Top of spur, bears S.,
and descend 45 ft. to
- 13.00 Gulch, 10 lks. wide,
course S.
- 15.00 Ascend
- 18.00 Top of spur, bears
S 14° W
- 18.60 Descend 40 ft. to
- 21.20 Gulch, 3 lks. wide,
course S. W.
- 21.50 Ascend 70 ft.
- 27.50 Top, bears E. and W.
and ascend to higher

White Mountain Indian Reservation

ridge

- 29.00 Top of ridge, bears
N.W. and S.E. and
descend 80 ft. to
- 35.50 Gulch 10 lbs. wide,
course S. then S.W.
- 36.00 Ascend 80 ft
- 40.00 Set a lime stone
20 x 12 x 10 ins., 15 ins.
in the ground for
22½ Mile Cor., marked
W.M.S.R.A.S.B. on
N., 22½ M. on E. and
P.L. on S. faces;
and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft. N.
of Cor. No trees within
limits.

Amended South boundary of the
Chains

41.00 Top of ascent bears
E. and W., and descent
15 ft. to

50.00 Gulch 10 lks. wide, course
Westerly and continue
descending along W.
Slope of ridge

54.00 Foot of descent and
enter Cottonwood
creek, course N. Westerly

59.70 Road from Deer
creek coal fields to
San Carlos bears
N. W. and S. E.

60.00 Wickiups occupied
by indian prisoners
bear N. 2 chs.; Lime
kiln bears N. Easterly
10 chs.; Cottonwood

White Mountain Indian Reservation

chains

Springs bear N. about
12 chs.

65.00 Leave Cottonwood
creek, course N. Westerly,
and ascend

67.00 Top of ascent, 40ft
high, bears N. E. $\frac{3}{4}$ of S. W.,
and descend to

69.00 Gulch, 10 lks. wide, course
N. E.

69.50 Ascend

74.00 Top of ascent, 300 ft.
above cottonwood creek,
bears N. E. and S. W.,
and descend 60 ft. to

79.00 Gulch, 12 lks. wide, course
N. E., and ascend

80.00 Set a quartz stone
27 x 15 x 5 ins., 20 ins.

Amended South boundary of the
Chains

in the ground for
23 Mile Cor., marked
W. M. S. R. A. S. B.
on N. 23 M. on E.,
and P. S. on S. faces,
and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft. N. of cor.,
from which

A cedar 18 ins. diam.
bears $S 28\frac{1}{4}^{\circ} E$, 158 lbs.
dist. marked W. M.

S. R. A. S. B. 23 M. B. T.

A cedar 10 ins. diam.
bears $S 31\frac{1}{4}^{\circ} W$, 84 lbs.
dist. marked W. M.

S. R. A. S. B. 23 M. B. T.

No other trees within
limits. Prominent

White Mountain Indian Reservation

Chains

peak in the Antac Mountains (mentioned at 19½ Mile Cor) bears $N30^{\circ}E$. - Hay stack butte, bears $N49\frac{1}{4}^{\circ}W$. Land mountainous and rolling.

Soil, gravelly loam, 3rd and 4th rate

Timber, of camore, cottonwood and cedar, undergrowth oak and manzanita Cacti, yucca, mesquite and acotillo

$N68^{\circ}W$. on a true line on 24th Mile Over mountainous

Amended South boundary of
Chains

- land, ascending
2.50 Top of ascent, bears
E. and W., and descend
70 ft. to
5.60 Gulch, 15 lks. wide,
course $N 12^{\circ} E$. and
ascend N. spur of
mountain
11.00 Top of spur, bears N.E.,
and descend 40 ft. to
14.50 Gulch, 4 lks. wide,
course N. N. E.
15.00 Ascend 30 ft.
18.50 Top of ascent, bears
N.E. and S.W., and
descend 30 ft. to
20.00 Gulch, 40 lks. wide,
course N. E.
22.50 Ascend mountain

the White Mountain Indian Reservation

Chains

- 27.50 Bluff 20 ft. high
- 36.00 Top of mountain,
bears N. W. and S. E.,
and descend 80 ft.
- 40.00 Set a granite stone
24 x 10 x 7 ins., 18 ins.
in the ground for
23½ Mile cor., marked
W. M. S. R. A. S. B. on
N., 23½ M. on E., and
P. S. on S. faces;
and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft. N. of cor.,
from which
Mesquite, 6 ins. diam.,
bears S 85° W., 68 lbs.
dist., marked W. M.
S. R. A. S. B. 23½ M. B. S.

Amended South boundary
Chains

A cedar 14 ins. diam.,
bears $S 35^{\circ} E$, 214 lks.
dist. marked W. M.
P. R. A. S. B. $23\frac{1}{2}$ M.
B. T. - No other trees
within limits.

Black peak, bears
 $N 58\frac{1}{2}^{\circ} W$.

50.50 Foot of descent,
gully, 5 lks. wide,
course S.

51.00 ascend along S.
Slope of Haystack
butte.

55.00 Gully, 6 lks. wide, course
S.

57.00 Top of spur, bears S,
and descend 40 ft.

63.00 Enter scattering

of the White Mountain Indian Reservation

- Chains
- 72.50 nopal and giant cactus, bears N. E. and S. W.
- 72.50 Foot of general descent, gulch, 40 lbs. wide, course W.
- 73.00 Ascend S. W. spur of mountain
- 74.50 Gulch, 4 lbs. wide, course S
- 75.60 Gulch, 4 lbs. wide, course S
- 80.00 Set a lime stone 30 x 10 x 10 ins., 22 ins. in the ground for 24 Mile. Cor., marked W. M. I. R. A. S. B. on N, 24 M. on E, and P. S. on S faces, and raise a mound of

Amended South boundary of the
Chains

stone 5 ft. base, $2\frac{1}{2}$ ft.
high, 3 ft. N. of cor.,
from which

A cauntillo 10 ins.
diam., bears $N27\frac{1}{2}^{\circ}E$.
61 lks. dist., marked
W. M. S. R. A. S. B.
24 M. B. T.

A cedar 10 ins. diam.,
bears $S25^{\circ}E$, 61 lks.
dist., marked W. M.
S. R. A. S. B. 24 M. B. T.

A cauntillo 6 ins.
diam., bears $S4\frac{3}{4}^{\circ}W$,
54 lks. dist., marked
W. M. S. R. A. S. B. 24
M. B. T.

A cedar 4 ins. diam.,
bears $N14\frac{1}{4}^{\circ}W$, 95 lks.

White Mountain Indian Reservation

Chains

dist. marked W. M.
 S. R. A. S. B. 24 M. B. 5
 Land mountainous
 Soil, clay and gravelly
 loam; 3rd and 4th rate
 Timber, a few scattering
 cedars and mesquites
 Undergrowth, oak
 and canutillo.
 Cacti, mescal, yucca
 spanish daga, bisnaga,
 nopal, acotillo and
 giant cactus.

January 28, 1898

N 68° W. on a true
 line on 25th Mile
 Over mountainous
 land, ascending

Amended South boundary of the
Chains

- 2.00 Top of ascent, bears
W., and descend,
10 ft. to
- 2.60 Gulch, 40 lks. wide,
course Westerly
- 2.90 Ascend
- 4.00 Top of spur, bears
W., descend 10 ft. to
- 5.20 Gulch, 30 lks. wide,
course S.W.
- 5.50 Ascend S. spur of
mountain, over
large boulders.
- 10.50 Top of spur, bears
S.W., and descend
80 ft.
- 11.00 Indications of copper
- 13.00 Foot of descent,
gulch, 30 lks. wide,

White Mountain Indian Reservation

Chams

course S. W.

13.50 Ascend spur

13.60 Bluff 12 ft. high

18.00 Top of spur, bears
N. E. and S. W., and
descend 60 ft. to21.00 Gulch, 20 lks. wide,
course S. W.25.20 Gulch, 10 lks. wide,
course S. E.28.80 Gulch, 20 lks. wide,
course S. W.40.00 Set a lime stone,
28 x 18 x 5 ins., 21 ins.
in the ground for
24½ Mile cor. marked
W. M. I. R. A. S. B. on
N., 24½ M. on E., and
P. S. on S. faces;

Amended South boundary of the
Chambers

and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft. N.
of cor.; from which
A cedar 10 ins. diam.
bears $N 5^{\circ} E$, 65 lbs.

dist. marked W. M.

S. R. Q. S. B. 24½ M. B. T.

A cedar 12 ins. diam.,
bears $S 70^{\circ} E$, 92 lbs.

dist. marked W. M.

S. R. Q. S. B. 24½ M.

B. T.

A canutillo 6 ins.

diam., bears $S 44\frac{1}{2}^{\circ} W$.

52 lbs. dist. marked

W. M. S. R. Q. S. B. 24½

M. B. T.

A cedar 10 ins. diam.

White Mountain Indian Reservation

Chains	
	bears $N 51^{\circ} W$, 88 lks. dist. marked W. M. S. R. A. S. B. $24\frac{1}{2}$ M. B. 9
40.70	Foot of general descent; gulch 20 lks. wide, course S. W., and ascend
46.00	Top of ascent, bears E. and W.
53.00	Descend 70 ft.
58.00	Foot of descent, and gulch 15 lks wide, course N. N. Easterly
59.50	Ascend
70.00	Top of ridge, bears N. and S.
72.50	Descend 60 ft. to
73.00	Gulch, 4 lks. wide, course W., and

Amended South boundary
chains

continue descending
80.00 Set a lime stone
24 x 18 x 10 ins., 18 ins
in the ground for
25 Mile Cor., marked
W. M. S. R. A. S. B.
on N., 25 M. on E.,
and P. S. on S. faces,
and raise a mound
of stone 5 ft. base,
2 1/2 ft. high, 3 ft.
N. of cor., from which
a mesquite 6 ins. diam.
bears N 70 1/2° E., 67 Mks.
dist. marked
W. M. S. R. A. S. B.
25 M. B. T.

dupli-
cation

A mesquite 6 ins.
diam. bears N 70 1/2° E

of the White Mountain Indian Reservations
Chains

67 lks. dist. marked
 W. M. S. R. A. S. B. 25
 M. B. F. No other
 trees within limits.
 Black peak bears
 v $N 52^{\circ} 4' W$; Geronimo
 peak, bears $N 64^{\circ} W$;
 Hycor peak, bears
 $N 75^{\circ} 55' W$.

Land mountainous.
 Soil gravelly loam,
 and stony; 3rd and 4th rates.
 Timber, a few cedars
 and mesquites.
 Under growth, oak,
 manzanita and
 canutillo.
 Cacti, mescal, yucca,
 spanish daga, nopal

and scottille

N 68° W on a true
line on 26th Mile
Over rolling and
mountainous land,
descending

3.40 Foot of descent,
and dry wash, 6^{ths}
wide, course N. N. E.

4.00 Ascend 50 ft.

7.00 Wood road bears
N. and S.

14.00 Top of ascent, bears
N. and S. and descend

15.50 Foot of descent,
and ascend

27.50 Top of ascent,
bears N. and S., ²/₃ of descent

Concluded, Book 1974