

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

The Exterior Boundary of the
HELL'S GATE WILDERNESS



Tonto National Forest, Southwestern Region
December 18, 1985, as entered into the
Wilderness Preservation System by the
Act of August 28, 1984

Posted
Status
186

NATIONAL WILDERNESS PRESERVATION SYSTEM
HELL'S GATE WILDERNESS

Tonto National Forest

I hereby certify that the legal description and map herewith represent the location of the boundary of the Hell's Gate Wilderness on the Tonto National Forest as entered into the National Wilderness Preservation System by the Act of August 28, 1984.

10/3/86
DATE

John M. Moring
REGIONAL FORESTER

HELLS GATE WILDERNESS

A tract of land within the Administrative Boundary of the Tonto National Forest in Gila County, State of Arizona and more particularly described as follows:

Beginning at the summit of McDonald Mountain with a shown elevation of 5621 feet and approximate latitude 34 08' 10" north and longitude 111 11' 04" west;

Thence, S 38 W on a straight line for approximately 0.21 miles to the summit of a small knob with a contour elevation of 5400 feet;

Thence, southwesterly on the hydrographic divide between an intermittent tributary to Tonto Creek to the north and an intermittent tributary to Soldier Camp Creek to the south, for approximately 0.42 miles to a point of contour elevation of 5000 feet;

Thence, S 53 W on a straight line for approximately 0.21 miles to a point of contour elevation of 4600 feet;

Thence, S 85 W on a straight line for approximately 0.25 miles to a summit with a shown elevation of 4476 feet;

Thence, S 65 1/2 W on a straight line for approximately 0.60 miles to a summit with a contour elevation of 4600 feet;

Thence, S 50 W on a straight line for approximately 1.38 miles to the summit of Neal Mountain with a shown elevation of 5432 feet;

Thence, westerly on the hydrographic divide between an unnamed intermittent stream to the north and Haycox Canyon to the south, for approximately 0.99 miles to the summit of a small knob with a contour elevation of 4480 feet;

Thence, N 44 W on a straight line for approximately 0.16 miles to the summit of a small knob with a shown elevation of 4488 feet;

Thence, northerly and northwesterly on the hydrographic divide between a dry ravine to the north and an intermittent tributary of Tonto Creek to the southwest, for approximately 0.82 miles to a point having a contour elevation of 3400 feet;

Thence, N 21 1/2 W on a straight line for approximately 0.34 miles to the SW-SE-NE 1/256 Corner of Section 18, Township 9 North, Range 11 East, Gila and Salt River Base and Meridian (T.9 N., R.11 E., G. & S.R.M.);

Thence, North on the east line of the W 1/2 of the W 1/2 of the SE 1/4 of the NE 1/4 of said Section 18, for approximately 0.125 miles, crossing Tonto Creek, to the NW-SE-NE 1/256 Corner of said Section 18;

Thence, west on the north line of the SW 1/4 of the NW 1/4 of the SE 1/4 of the NE 1/4 of said Section 18, for approximately 0.03 miles to the thread of Houston Creek;

Thence, northerly on the thread of Houston Creek for approximately 0.33 miles to a point on the Section Line between Section 7 and said Section 18;

Thence, N 84 1/2 W on a straight line for approximately 0.13 miles to the summit of a small knob with a contour elevation of 3440 feet;

Thence, N 08 W on a straight line, crossing Willow Spring Canyon, for approximately 0.66 miles to the summit of a small knob with a shown elevation of 3746 feet;

Thence, N 08 W on a straight line for approximately 0.44 miles to the summit of Bishop Nose with a shown elevation of 4425 feet;

Thence, N 59 E on a straight line for approximately 0.34 miles to the summit of a small knob in the Red Hills, with a contour elevation of 4200 feet;

Thence, N 27 E on a straight line for approximately 0.36 miles to a summit with a contour elevation of 4160 feet;

Thence, S 86 1/2 E on a straight line for approximately 0.20 miles to a point on a spur ridge having a contour elevation of 4040 feet, where said spur ridge bends from southeast to northeast;

Thence, N 7 1/2 W. on a straight line for approximately 0.85 miles to a point on the hydrographic divide between Houston Creek to the east and an intermittent stream flowing from Red Mountain Spring towards Houston Creek to the southwest, and having a contour elevation of 4480 feet;

Thence, N 31 1/2 W on a straight line for approximately 0.42 miles to a summit with a shown elevation of 4763 feet;

Thence, N 46 E on a straight line for approximately 0.53 miles to a point on the hydrographic divide between Houston Creek to the southeast and an unnamed intermittent tributary to Houston Creek to the north, and having a contour elevation of 4280 feet;

Thence, N 06 E on a straight line for approximately 0.29 miles to a summit with a contour elevation of 4200 feet;

Thence, N 42 E on a straight line, crossing Houston Creek, for approximately 0.31 miles to the summit of the easternmost of two small knobs with contour elevations of 4400 feet;

Thence, S 34 1/2 E on a straight line for approximately 0.39 miles to a summit with a shown elevation of 4340 feet;

Thence, S 7 1/2 W on a straight line for approximately 0.48 miles to a summit with a shown elevation of 4407 feet;

Thence, S 18 W on a straight line for approximately 0.68 miles to a summit with a contour elevation of 3920 feet;

Thence, S 19 1/2 E on a straight line for approximately 0.65 miles to a point in a saddle at the southerly end of a jeep trail, having a shown elevation of 3914 feet;

Thence, S 4 1/2 W on a straight line for approximately 0.50 miles to the summit of a small knob on the west side of Squaw Nest Mountain, with a contour elevation of 4280 feet;

Thence, S 73 1/2 E on a straight line for approximately 0.49 miles to the summit of Squaw Nest Mountain with a shown elevation of 4501 feet;

Thence, N 48 E on a straight line for approximately 0.71 miles to a summit with a contour elevation of 3720 feet;

Thence, S 84 E on a straight line for approximately 0.86 miles to the summit of a small knob on a precipice north of Tonto Creek with a shown elevation of 4007 feet;

Thence, N 53 E on a straight line for approximately 1.14 miles to a summit with a shown elevation of 4332 feet;

Thence, N 48 E on a straight line for approximately 1.75 miles to a summit with a shown elevation of 4901 feet;

Thence, N 12 1/2 E on a straight line, crossing Derrick Canyon, for approximately 1.40 miles to a summit with a shown elevation of 5452 feet;

Thence, N 42 1/2 E on a straight line for approximately 0.18 miles to a summit with a contour elevation of 5400 feet;

Thence, N 11 E on a straight line for approximately 0.45 miles to the summit of a small broad knoll with a contour elevation of 5120 feet;

Thence, N 11 W on a straight line, crossing Brush Corral Canyon, for approximately 0.49 miles to a summit with a shown elevation of 5177 feet;

Thence, N 23 W on a straight line for approximately 0.40 miles to the southwest Section Corner of Section 7, T.10 N., R.12 E., G. & S.R.M.;

Thence, N 38 1/2 W on a straight line for approximately 0.80 miles to a point on the west side of a summit of The Buttes, which is 33 feet east of the centerline of a jeep trail and approximately 1000 feet west of a triangulation station with a shown elevation of 5842 feet;

Thence, northerly and easterly on a line 33 feet right of and parallel to the centerline of said jeep trail for approximately 0.83 miles to the southeast Section Corner of Section 1, T.10 N., R.11 E., G. & S.R.M., provided this Corner is a minimum of 33 feet south of said centerline; if not, then to a point on the Range line between Ranges 11 and 12 East which is 33 feet south of said centerline;

Thence, N 89 1/2 E on a straight line for approximately 0.32 miles to a summit with a shown elevation of 5794 feet;

Thence, N 76 E on a straight line, crossing Big Canyon, for approximately 0.92 miles to a summit with a shown elevation of 5257 feet;

Thence, S 47 E on a straight line, crossing Blue Dog Ridge, for approximately 0.56 miles to the summit of a small knob with a contour elevation of 4920 feet;

Thence, N 75 1/2 E on a straight line for approximately 0.40 miles to a summit with a shown elevation of 5062 feet;

Thence, N 75 1/2 E on a straight line for approximately 0.74 miles to a bench mark with a shown elevation of 5655 feet, located on the west side of Hells Gate Trail in a saddle of Apache Ridge;

Thence, N 57 1/2 E on a straight line, crossing Salt Lick Canyon, for approximately 1.99 miles to a summit on a precipice west of Tonto Creek, with a contour elevation of 4840 feet;

Thence, N 35 1/2 W on a straight line for approximately 0.70 miles to the summit of a small knob with a contour elevation of 5800 feet;

Thence, N 27 E on a straight line for approximately 0.44 miles to a summit of King Ridge with a shown elevation of 5933 feet;

Thence, N 41 1/2 E on a straight line, crossing Thompson Draw, for approximately 0.89 miles to a summit with a shown elevation of 5746 feet;

Thence, N 48 1/2 E on a straight line, crossing Bearhide Canyon, for approximately 0.85 miles to a summit with a shown elevation of 5635 feet;

Thence, N 84 E on a straight line, crossing Tonto Creek south of Bear Flat and Homestead Entry Survey 425 for approximately 1.05 miles to a summit with a shown elevation of 6296 feet;

Thence, S 34 E on a straight line for approximately 0.77 miles to the summit of a small knoll with a shown elevation of 5890 feet;

Thence, S 89 E on a straight line for approximately 0.71 miles to the summit of a small knoll with a contour elevation of 5800 feet;

Thence, S 03 E on a straight line, crossing Bull Tank Canyon, for approximately 0.45 miles to a summit with a shown elevation of 5943 feet;

Thence, S 18 1/2 E on a straight line for approximately 1.20 miles to the southeastern summit of Horse Mountain with a shown elevation of 6433 feet;

Thence, S 53 W on a straight line for approximately 0.64 miles to the southern most point on the precipice of Horse Mountain, with a contour elevation of 6200 feet;

Thence, N 52 1/2 W on a straight line for approximately 1.21 miles to a point on a hydrographic divide between unnamed intermittent streams to the east and west, where said divide bends to the southwest, having a contour elevation of 5400 feet;

Thence, S 47 W on a straight line for approximately 0.98 miles to the summit of a small knob with a contour elevation of 4880 feet;

Thence, S 33 W on a straight line for approximately 0.55 miles to a point on the hydrographic divide between Bull Tank Canyon to the north and Dry Canyon to the south, where said divide extends northeast and west and a spur ridge departs in a southwesterly direction, and having a contour elevation of 4880 feet;

Thence, S 12 E on a straight line, crossing Dry Canyon, for approximately 0.71 miles to the intersection with a trail on a summit having a contour elevation of 5040 feet;

Thence, S 03 E on a straight line, crossing Leo Canyon, for approximately 0.59 miles to a summit with a shown elevation of 4949 feet;

Thence, S 01 1/2 W a straight line, crossing Salt Canyon, for approximately 0.51 miles to a summit with a contour elevation of 5040 feet;

Thence, N 63 1/2 E on a straight line for approximately 0.28 miles to the summit of a small knob with a contour elevation of 4680 feet;

Thence, S 37 1/2 E on a straight line for approximately 0.32 miles to the summit of a small knob with a contour elevation of 4800 feet;

Thence, easterly on the hydrographic divide between an intermediate tributary of Salt Creek to the north and Haigler Creek to the south, for approximately 0.52 miles to a summit with a shown elevation of 4958 feet;

Thence, S 06 W on a straight line for approximately 0.31 miles to a point on the hydrographic divide between Gordon Canyon to the southeast and an unnamed intermittent tributary to Haigler Creek to the northwest, where a spur ridge departs in a southeasterly direction and the divide bends to the southwest, and having a contour elevation of 4760 feet;

Thence, S 68 1/2 E on a straight line, crossing Gordon Canyon, for approximately 0.59 miles to a summit with a shown elevation of 5119 feet;

Thence, S 11 1/2 E on a straight line for approximately 0.40 miles to the summit of a small knob with a contour elevation of 5000 feet;

Thence, N 65 1/2 E on a straight line for approximately 1.46 miles to a summit with a shown elevation of 5535 feet;

Thence, S 71 E on a straight line, crossing Haigler Creek, for approximately 1.10 miles to the summit of a butte with a contour elevation of 5640 feet;

Thence, S 03 W on a straight line for approximately 0.19 miles to the southerly end of the top of said butte, above the contour elevation of 5600 feet;

Thence, S 83 1/2 W on a straight line for approximately 1.11 miles to a summit with a contour elevation of 5480 feet;

Thence, S 05 W on a straight line for approximately 0.97 miles to a summit with a shown elevation of 5713 feet;

Thence, S 6 1/2 W on a straight line for approximately 0.46 miles to a point on the hydrographic divide between several intermittent tributaries of Marsh Creek to the east and Marsh Creek to the west, having a contour elevation of 5560 feet;

Thence, southerly on said hydrographic divide for approximately 0.89 miles to the thread of Marsh Creek;

Thence, southeasterly on the thread of Marsh Creek for approximately 0.06 miles;

Thence, S 71 1/2 W on a straight line for approximately 0.49 miles to

the approximate center of the summit of a broad, flat knoll with a contour elevation of 5440 feet;

Thence, S 60 W on a straight line for approximately 0.96 miles to the summit of a small knob with a shown elevation of 5561 feet;

Thence, S 76 1/2 W on a straight line for approximately 0.02 miles to the intersection with a line 33 feet easterly of, and parallel to the centerline of Forest Development Road (FDR) Number 239;

Thence, generally northwesterly on the line 33 feet right of and parallel to said centerline, for approximately 1.18 miles to a point 100 feet southwest of the normal high water line of Fuller Mesa Tank Number 2;

Thence, counterclockwise on a line 100 feet setback from and parallel to the normal high water line of said stock tank, for approximately 0.07 miles to the intersection with the aforementioned line 33 feet easterly of, and parallel to the centerline of FDR Number 239;

Thence, northwesterly on the line 33 feet right of and parallel to said centerline, for approximately 1.46 miles to a point on the hydrographic divide between Lost Camp Canyon to the west and a dry ravine to the east, where said road bends sharply to the south, at an approximate elevation of 5540 feet;

Thence, northwesterly on said hydrographic divide for approximately 0.47 miles to the thread of an intermittent stream in Lost Camp Canyon;

Thence, S 88 W on a straight line for approximately 0.31 miles to the summit of a small knob with a contour elevation of 5440 feet;

Thence, S 84 W on a straight line for approximately 0.44 miles to a summit with a contour elevation of 5440 feet;

Thence, N 86 W on a straight line for approximately 0.34 miles to the thread of an intermittent stream in Smokey Hollow;

Thence, northerly on the thread of said stream for approximately 0.91 miles to the intersection with a small, dry ravine draining from the west at an approximate elevation of 4580 feet;

Thence, N 62 1/2 W on a straight line for approximately 0.17 miles to a point of contour elevation of 4800 feet, and located in a shallow ravine draining to the northeast;

Thence, N 82 1/2 W on a straight line for approximately 0.14 miles to the Section Line between Sections 22 and 23, T.10 N., R.12 E., G. & S.R.M., located in a saddle with a contour elevation of 4840 feet, approximately

600 feet southerly from the corner of Sections 14, 15, 22 and 23, T.10 N., R.12 E., G. & S.R.M.;

Thence, S 85 1/2 W on a straight line for approximately 0.90 miles to a summit with a shown elevation of 4926 feet;

Thence, S 58 W on a straight line for approximately 1.72 miles to a summit with a shown elevation of 5203 feet;

Thence, S 02 E on a straight line for approximately 0.69 miles to the summit of a small knoll with a contour elevation of 4960 feet, on the north side of a trail extending east and west;

Thence, N 81 E on a straight line for approximately 0.88 miles to a summit with a shown elevation of 5413 feet;

Thence, N 83 E on a straight line for approximately 1.16 miles to a summit with a shown elevation of 5741 feet;

Thence, S 13 1/2 E on a straight line for approximately 0.95 miles to a summit with a contour elevation of 5360 feet;

Thence, S 57 W on a straight line for approximately 1.06 miles to the corner of Sections 3, 4, 33 and 34, Tps. 9 and 10 N., R.12 E., G. & S.R.M., on the west side of Diamond Butte;

Thence, S 39 E on a straight line for approximately 1.67 miles to the summit of a small knoll with a contour elevation of 5160 feet;

Thence, S 62 W on a straight line for approximately 0.95 miles to the summit of a small knoll with a shown elevation of 5245 feet;

Thence, N 87 W on a straight line, crossing Houdon Mountain, for approximately 1.33 miles to the high point of a bench on the northwest side of Houdon Mountain with a shown elevation of 5058 feet;

Thence, S 89 1/2 W a straight line for approximately 0.55 miles to a summit with a contour elevation of 5000 feet;

Thence, N 17 W on a straight line for approximately 0.41 miles to a summit with a contour elevation of 5080 feet;

Thence, S 80 1/2 W on a straight line, crossing Hole In The Ground Canyon, for approximately 2.16 miles to the summit of McDonald Mountain and the Point Of Beginning;

Lands herein described and topographic features referred to are based on 7 1/2 minute United States Geological Survey Quadrangle Sheets DIAMOND BUTTE, GISELA, McDONALD MOUNTAIN, PAYSON SOUTH, PROMONTORY BUTTE and SHEEP BASIN dated 1972

and 1973. These quadrangle sheets are attached to and made a part of this legal description. The total area of the Hells Gate Wilderness is 37,439 gross acres, more or less.