

BOUNDARY DESCRIPTION
HELLS CANYON WILDERNESS
WILDERNESS STUDY AREAS

Wallowa-Whitman, Nezperce, and Payette National Forests

I hereby certify that the legal description and map herewith represent the location of the boundaries of the Hells Canyon National Recreation Area, the Hells Canyon Wilderness, and the Mountain Sheep, Lords Flat - Somers Point - Plateau, and Westside Reservoir Face Wilderness Study Areas. These areas are located in the Wallowa-Whitman, Nezperce, and Payette National Forests and were established by P.L. 94-199 December 31, 1975.

7-18-77
Date

James L. Lannan
for Regional Forester

HCNRA
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HELLS CANYON WILDERNESS AREA BOUNDARY

The official boundary for this area is that exterior line which encompasses the following described lands.

Coordinates are based on Oregon Grid Coordinate System (North Zone) 1927 North American Datum.

OREGON SECTION WALLOWA-WHITMAN NATIONAL FOREST WILLAMETTE MERIDIAN

Beginning at a point on the spur ridge to the north of Short Creek with Oregon (North Zone) coordinate of 2978374.646 E and 598816.357 N; thence northwesterly approximately 1,431 feet to a point with Oregon (North Zone) coordinate of 2977323.769 E and 600293.845 N; thence westerly approximately 4,903 feet to a point with Oregon (North Zone) coordinate of 2972421.504 E and 600200.392 N; thence northwesterly approximately 7,233 feet to a point with Oregon (North Zone) coordinate of 2965238.110 E and 601649.554 N; thence westerly approximately 1,020 feet to a point in Saulsberry Saddle with Oregon (North Zone) coordinate of 2964150.983 E and 601569.988 N; thence, following along the hydrologic divide between the Snake River and the Imnaha River, northerly approximately 1,332 feet to a point with Oregon (North Zone) coordinate of 2964376.744 E and 602883.131 N; thence northwesterly approximately 1,610 feet to a point with Oregon (North Zone) coordinate of 2963968.510 E and 604440.468 N; thence northwesterly approximately 2,885 feet to a point with Oregon (North Zone) coordinate of 2962232.954 E and 606745.987 N; thence northeasterly approximately 2,765 feet to a point with Oregon (North Zone) coordinate of 2963208.315 E and 609834.210 N; thence northeasterly approximately 798 feet to a point with Oregon (North Zone) coordinate of 2963876.118 E and 609770.580 N; thence northeasterly approximately 2,340 feet to a point with Oregon (North Zone) coordinate of 2964863.752 E and 611986.027 N; thence northeasterly approximately 850 feet

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to a point with Oregon (North Zone) coordinate of 2965397.388 E and 612647.886 N; thence northerly approximately 1,102 feet to a point with Oregon (North Zone) coordinate of 2965223.659 E and 613735.829 N; thence northeasterly approximately 3,521 feet to a point with Oregon (North Zone) coordinate of 2967074.431 E and 616731.576 N; thence northeasterly approximately 5,400 feet to a point with Oregon (North Zone) coordinate of 2970086.791 E and 621214.024 N; thence northerly crossing Lookout Mountain approximately 2,791 feet to a point with Oregon (North Zone) coordinate of 2970751.994 E and 623925.182 N; thence northerly approximately 1,834 feet to a point with Oregon (North Zone) coordinate of 2970479.822 E and 625739.522 N; thence northeasterly approximately 3,375 feet to a point with Oregon (North Zone) coordinate of 2971532.221 E and 628946.247 N; thence northwesterly approximately 2,723 feet to a point with Oregon (North Zone) coordinate of 2969927.221 E and 631146.965 N; thence northerly approximately 1,127 feet to a point with Oregon (North Zone) coordinate of 2969597.128 E and 632224.981 N; thence northerly approximately 2,217 feet to a point with Oregon (North Zone) coordinate of 2970034.809 E and 634398.375 N; thence northerly approximately 1,160 feet to a point with Oregon (North Zone) coordinate of 2969805.650 E and 635535.131 N; thence northerly approximately 2,000 feet to a point with Oregon (North Zone) coordinate of 2970364.119 E and 637454.533 N; thence northwesterly approximately 990 feet to a point with Oregon (North Zone) coordinate of 2969991.830 E and 638372.875 N; thence northerly approximately 626 feet to a point with Oregon (North Zone) coordinate of 2969952.124 E and 638993.338 N; thence northwesterly approximately 2,246 feet to a point with Oregon (North Zone) coordinate of 2968045.138 E and 640185.578 N;] thence continuing along the hydrologic divide to the intersection with a point on the east rim of Summit Ridge overlooking the Snake River with Oregon (North Zone) coordinate of 2967919.360 E and 652643.027 N;

Thence northeasterly along the east rim of Summit Ridge to a point near the center of Section 13, T. 1 S., R. 49 E., W.M. with Oregon (North Zone) coordinate of 2988292.226 E and 683072.219 N; thence northerly approximately 3,120 feet to a point with Oregon (North Zone) coordinate of 2987614.858 E

and 686117.612 N; thence northeasterly approximately 5,420 feet to a point with Oregon (North Zone) coordinate of 2989390.504 E and 691219.623 N; thence northerly approximately 992 feet to a point on the east rim of Summit Ridge with Oregon (North Zone) coordinate of 2989562.186 E and 692154.300 N; thence in a north-northeasterly direction along the east rim of Summit Ridge to Somers Point; thence southwesterly along the east rim of Summit Ridge to a point in the SW 1/4 of Section 35, T. 2 N., R. 50 E., W.M. with Oregon (North Zone) coordinate of 3009580.293 E and 733765.887 N; thence westerly approximately 1,671 feet to a point with Oregon (North Zone) coordinate of 3007909.201 E and 733770.630 N; thence southwesterly approximately 5,268 feet to a point with Oregon (North Zone) coordinate of 3002886.736 E and 732270.292 N; thence northwesterly approximately 2,740 feet to a point with Oregon (North Zone) coordinate of 3000749.327 E and 733984.961 N; thence northerly approximately 3,358 feet to a point with Oregon (North Zone) coordinate of 2999770.446 E and 737194.631 N; thence northwesterly approximately 3,497 feet to a point with Oregon (North Zone) coordinate of 2998271.294 E and 740337.303 N; thence northerly approximately 4,437 feet to a point with Oregon (North Zone) coordinate of 2998093.126 E and 744770.721 N; thence northwesterly approximately 3,350 feet to a point with Oregon (North Zone) coordinate of 2996959.201 E and 747923.769 N; thence northwesterly approximately 8,703 feet to a point north and east of Lord Flat Landing Strip, with Oregon (North Zone) coordinate of 2992106.599 E and 755148.564 N; thence northwesterly approximately 2,895 feet to a point with Oregon (North Zone) coordinate of 2989662.068 E and 756645.638 N; thence northwesterly approximately 356 feet to a point with Oregon (North Zone) coordinate of 2989121.045 E and 757309.095 N; thence westerly approximately 525 feet to a point with Oregon (North Zone) coordinate of 2988600.774 E and 757242.097 N which is a point on Summit Ridge between Deep Creek and Cow Creek; thence northwesterly along Summit Ridge crossing Finger Board Saddle and Square Mountain to a point on the ridge at the head of Big Canyon with Oregon (North Zone) coordinate of 2964697.783 E and 800033.446 N; thence descending the ridge to the east of Big Canyon, approximately 614 feet to a point with Oregon (North Zone) coordinate of 2965038.160 E and 800545.573 N; thence northerly approximately 828 feet to a

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point with Oregon (North Zone) coordinate of 2965227.703 E and 301351.681 N; thence northwesterly approximately 2,481 feet to a point with Oregon (North Zone) coordinate of 2964657.842 E and 803767.322 N; thence northeasterly approximately 743 feet to a point with Oregon (North Zone) coordinate of 2965012.938 E and 804419.827 N; thence northerly approximately 1,057 feet to a point with Oregon (North Zone) coordinate of 2965173.570 E and 805464.555 N; thence, leaving the ridge east of Big Canyon, northeasterly approximately 2,243 feet to the intersection with what probably will be when surveyed, the W 1/16 between Sections 16 and 21, T. 4 N., R. 49 E., W.M., a point on the Snake River Scenic River boundary;

Thence east to the 1/4 corner between Sections 16 and 21; thence south to the C-W-NE 1/64 corner of Section 21; thence east to the NE 1/16 corner of Section 21; thence south to the SE 1/16 corner of Section 21; thence east to the C-E-SE 1/64 corner of Section 21; thence south to the E-E 1/64 corner between Sections 21 and 28; thence east along the section line between Sections 21 and 28 to the intersection with the 1400 foot contour line; thence southerly along the 1400 foot contour line to the intersection of the contour line with an east-west line with a north coordinate of 799165.038; thence south $33^{\circ} 00'$ E approximately 260 feet crossing Fence Creek to the intersection of the 1400 foot contour line with a north-south line with east coordinate of 2973572.461; thence southeasterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 795742.832; thence south $36^{\circ} 15'$ E approximately 1,024 feet crossing Dug Creek to a point at the intersection of the 1400 foot contour line with a north-south line with east coordinate of 2976634.189; thence southeasterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with a north coordinate of 794312.781; thence south $47^{\circ} 00'$ E approximately 861 feet crossing Robinson Gulch to a point at the intersection of the 1400 foot contour line with a north-south line with an east coordinate of 2978007.152; thence along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 793446.962; thence south $72^{\circ} 00'$ E approximately 664 feet, crossing a minor draw to a point at the intersection

of the 1400 foot contour line with a north-south line with east coordinate of 2979012.682; thence easterly along the 1400 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 2982655.575; thence north $70^{\circ} 30'$ east approximately 707 feet crossing Trail Gulch to a point at the intersection of the 1400 foot contour line with an east-west line with north coordinate of 793370.190; thence easterly along the 1400 foot contour line to the intersection with a north-south line with east coordinate of 2984394.535; thence south $61^{\circ} 45'$ E approximately 1,170 feet, crossing Thorn Creek to a point at the intersection of the 1400 foot contour line and an east-west line with north coordinate of 794463.089; thence easterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 793750.160; thence north $76^{\circ} 45'$ E, approximately 1,246 feet to a point with Oregon (North Zone) grid coordinates of 2994855.207 E and 794036.264 N; thence north $85^{\circ} 15'$ E approximately 1,705 feet to a point with Oregon (North Zone) grid coordinates of 2992762.996 E and 794180.041 N; thence south $81^{\circ} 30'$ E, approximately 1,305 feet to a point with Oregon (North Zone) grid coordinates of 2994054.318 E and 793987.513 N; thence south $58^{\circ} 30'$ E approximately 939 feet, crossing Bar Creek to a point at the intersection of the 1400 foot contour line with a north-south line with east coordinate of 2994855.207; thence easterly along the 1400 foot contour line to a point at the intersection with an east-west line with north coordinate of 793290.107; thence south $40^{\circ} 00'$ E, approximately 914 feet, crossing a minor draw to a point at the intersection of the 1400 foot contour line with an east-west line with a north coordinate of 2997457.107; thence southeasterly along the 1400 foot contour line to a point at the intersection with an east-west line with north coordinate of 786537.827; thence south $57^{\circ} 30'$ E approximately 706 feet, crossing Bob Creek to the intersection of the 1400 foot contour line with a north-south line with east coordinate of 3004448.614; thence southeasterly along the 1400 foot contour line to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 784174.190; thence south $60^{\circ} 30'$ E., approximately 1,009 feet, crossing Copper Creek to the intersection of the 1400 foot contour line and a north-south line with east coordinate of 3007980.883; thence southerly along the 1400 foot contour line

to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 775469.755; thence south $16^{\circ} 00'$ west approximately 500 feet crossing Lone Pine Creek to a point at the intersection of the 1400 foot contour line and an east-west line with north coordinate of 774988.982; thence southerly along the 1400 foot contour line to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 770819.348; thence south $01^{\circ} 15'$ west approximately 845 feet crossing Lookout Creek to the intersection of the 1400 foot contour line and an east-west line with north coordinate of 769974.674; thence southerly along the 1400 foot contour line to a point at the intersection of the 1400 foot contour line with an east-west line with north coordinate of 762954.555; thence south $15^{\circ} 30'$ E approximately 714 feet, crossing a minor draw to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 762266.381; thence southeasterly along the 1400 foot contour line to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 761802.410; thence south $33^{\circ} 00'$ E. approximately 941 feet, crossing Camp Creek to the intersection of the 1400 foot contour line with a north-south line with east coordinate of 3013424.126; thence southerly along the 1400 foot contour line to the intersection of the contour line with Somers Creek; thence northeasterly along the 1400 foot contour line to the intersection of the contour line and a north-south line with east coordinate of 3014164.852; thence southeasterly along the 1400 foot contour line to the intersection of the contour line and an east-west line with north coordinate of 757544.585; thence south $64^{\circ} 15'$ E approximately 440 feet, crossing a minor draw to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 757353.573; thence southeasterly along the 1400 foot contour line to the intersection with an east-west line with north coordinate of 755758.962; thence south $41^{\circ} 45'$ E approximately 428 feet, crossing a minor draw to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 755439.528; thence southeasterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 754030.813; thence south $26^{\circ} 00'$ E approximately 522 feet, crossing a minor draw to the intersection of the 1400 foot contour line with a north-south line with

east coordinate of 3019746.418; thence southeasterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 752918.294; thence south $51^{\circ} 00'$ E approximately 567 feet, crossing McCarty Creek to the intersection of the 1400 foot contour line with a north-south line with east coordinate of 3020542.885; thence southeasterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 751638.689; thence south $59^{\circ} 30'$ E approximately 344 feet, crossing Davis Creek to the intersection of the 1400 foot contour line with a north-south line with east coordinate of 3022111.757; thence southeasterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 748389.895; thence south approximately 341 feet, crossing a minor draw to the intersection of the 1400 foot contour line with an east-west line with north coordinate of 748048.576; thence southwesterly along the 1400 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 747730.235; thence south approximately 2,570 feet, crossing Pleasant Valley Creek to the intersection of the 1600 foot contour with an east-west line with north coordinate of 745209.755; thence southerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 743376.000; thence south $42^{\circ} 15'$ E approximately 3,071 feet, crossing Spring Creek to a point with Oregon (North Zone) grid coordinates of 3028253.203 E and 741065.545 N; thence south $44^{\circ} 45'$ W approximately 1,050 feet to the intersection of the 1600 foot contour line with the east-west line with north coordinate of 740293.199; thence southwesterly along the 1600 foot contour line to the intersection of the contour line and Pittsburg Creek; thence northeasterly along the 1600 foot contour line to the intersection of the contour line with the east-west line with north coordinate of 739983.917; thence southeasterly along the 1600 foot contour line to the intersection of the contour line with latitude line $45^{\circ} 37' 04''$ west which is a point due west of the mouth of the unnamed draw just above Upper Pittsburg Landing on the Idaho side of the Snake River;]

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Thence southerly along the 1600 foot contour line to the intersection of the

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contour line with an east-west line with north coordinate of 736882.310; thence south $07^{\circ} 30'$ W approximately 513 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with a north-south line with east coordinate of 3031608.457; thence southerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 735783.792; thence south $28^{\circ} 15'$ E approximately 582 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with a north-south line with east coordinate of 3032006.530; thence southeasterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 734985.555; thence south $24^{\circ} 30'$ E approximately 315 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 734698.214; thence southerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 732857.420; thence south $14^{\circ} 30'$ E approximately 545 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with a north-south line with east coordinate of 3032298.403; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 731574.761; thence south $13^{\circ} 15'$ W approximately 435 feet crossing a minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 731162.854; thence southwesterly along the 1600 foot contour line to the intersection with an east-west line with north coordinate of 729274.213; thence westerly along the 1600 foot contour line to Durham Creek; thence easterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 728962.490; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3027560.159; thence south $15^{\circ} 00'$ W approximately 1,280 feet, crossing Muir Creek and one minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 724643.023; thence southerly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3027410.341; thence S $70^{\circ} 00'$ W approximately 575 feet, crossing a minor drainage to the

intersection of the 1600 foot contour line with an east-west line with north coordinate of 722174.889; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with an east coordinate of 3026039.529; thence south $59^{\circ} 30' W$ approximately 725 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 721297.811; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3023920.139; thence south $39^{\circ} 00' W$ approximately 590 feet, crossing Cougar Creek at the intersection of the 1600 foot contour line with a north-south line with east coordinate of 3023548.227; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3018197.989; thence south $61^{\circ} 30' W$ approximately 750 feet, crossing Corral Creek to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 714417.632; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 713715.073; thence south $04^{\circ} 00' W$ approximately 945 feet, crossing Salt Creek to the section of the 1600 foot contour line with an east-west line with north coordinate of 712773.802; thence southerly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3016545.979; thence westerly along the 1600 foot contour line to Temperance Creek; thence easterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 708247.573; thence southwesterly along the 1600 foot contour line to the intersection with an east-west line with north coordinate of 704648.735; thence south $14^{\circ} 15' W$ approximately 400 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 704264.053; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3010906.883; thence south $35^{\circ} 00' W$ approximately 735 feet, crossing Quartz Creek to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 696670.092; thence southerly along the 1600 foot contour line to the intersection of the contour

line with an east-west line with north coordinate of 685367.022; thence south $40^{\circ} 00'$ E approximately 685 feet, crossing Yreka Creek to the intersection of the 1600 foot contour line with a north-south line with east coordinate of 3010403.008; thence southerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 669497.202; thence south $11^{\circ} 30'$ E approximately 420 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 669086.545; thence southerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 668322.479; thence south $06^{\circ} 30'$ W approximately 340 feet, crossing a minor drainage to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 667984.057; thence southerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 662781.327; thence south $08^{\circ} 15'$ E approximately 580 feet, crossing Waterspout Creek to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 662206.334; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 657088.689; thence south $42^{\circ} 45'$ W approximately 547 feet, crossing Smooth Hollow to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 656686.704; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 654754.609; thence south $33^{\circ} 15'$ W approximately 650 feet, crossing Hat Creek to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 654212.487; thence southwesterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 2992245.158; thence south $39^{\circ} 45'$ E approximately 1,685 feet, crossing Saddle Creek to the intersection with the Upper Snake River Trail No. 1786; thence southwesterly along the upper side of the trail to the intersection of the trail with the 2000 foot contour line; thence southerly along the 2000 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 634185.634; thence south $22^{\circ} 00'$ W approximately 955 feet, crossing a minor drainage to

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the intersection of the 2000 foot contour line with an east-west line with north coordinate of 633300.539; thence southerly along the 2000 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 2982523.059, which is a point on the ridge on the south side of Battle Creek; thence southerly along the 2000 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 610679.460; thence south $15^{\circ} 00'$ W approximately 560 feet, crossing a minor drainage to the intersection of the 2000 foot contour line with an east-west line with north coordinate of 610137.606; thence southwesterly along the 2000 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 2980099.589; thence south $17^{\circ} 00'$ W approximately 880 feet, crossing Stud Creek to the intersection of the 2000 foot contour line with an east-west line with north coordinate of 605816.516; thence southerly along the 2000 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 602187.875, which is a point on the ridge on the north side of Hells Canyon Creek; thence, leaving the Snake River Wild River boundary at the intersection of the 2000 foot M.S.L. (Mean Sea Level) contour line and an east-west line with north coordinate of 602187.875; thence continuing in a southerly direction along the 2000 foot M.S.L. (Mean Sea Level) contour line crossing Hells Canyon Creek to a point on the spur ridge above Short Creek with Oregon (North Zone) coordinate of 2978374.646 E and 598816.357 N; the point of beginning.

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HELLS CANYON WILDERNESS AREA BOUNDARY

The official boundary for this area is that exterior which encompasses the following described lands.

Coordinates based on Oregon State Plane Grid System (North Zone).

IDAHO SECTION NEZPERCE AND PAYETTE NATIONAL FORESTS BOISE MERIDIAN

Beginning at the intersection of a point on the 1600 foot M.S.L. (Mean Sea Level) contour line and an east-west line with north coordinate of 690888.898 which is a point on a small ridge above Willow Creek at the intersection with the Hells Canyon Wild River boundary; thence easterly approximately 5,584 feet to a point with Oregon (North Zone) coordinate of 3017873.803 E and 692620.331 N; thence southeasterly approximately 3,363 feet to Stormy Point; thence northeasterly approximately 6,146 feet to a point with Oregon (North Zone) coordinate of 3026058.133 E and 693207.494 N; thence southeasterly approximately 3,222 feet to a point with Oregon (North Zone) coordinate of 3029007.659 E and 691909.916 N; thence northeasterly approximately 1,725 feet to a point with Oregon (North Zone) coordinate of 3030330.246 E and 693017.974 N; thence northerly approximately 2,204 feet to a point with Oregon (North Zone) coordinate of 3031404.536 E and 694945.902 N; thence northeasterly approximately 852 feet to a point with Oregon (North Zone) coordinate of 3032124.813 E and 695401.163 N; thence northeasterly approximately 667 feet to a point with Oregon (North Zone) coordinate of 3032541.202 E and 695922.202 N; thence southeasterly approximately 450 feet to a point with Oregon (North Zone) coordinate of 3032968.923 E and 695782.098 N; thence easterly approximately 661 feet to a point with Oregon (North Zone) coordinate of 3033629.118 E and 695813.436 N; thence northerly approximately 627 feet to a point with Oregon (North Zone) coordinate of 3033882.611 E and 696386.896 N; thence northeasterly approximately 795 feet to a point with Oregon (North Zone) coordinate

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of 3034458.097 E and 696935.539 N; thence southeasterly approximately 718 feet to a point with Oregon (North Zone) coordinate of 3035095.374 E and 696604.872 N; thence easterly approximately 1,014 feet to a point with Oregon (North Zone) coordinate of 3036103.267 E and 696492.306 N; thence southeasterly approximately 828 feet to a point with Oregon (North Zone) coordinate of 3036576.634 E and 695812.992 N; thence southeasterly approximately 709 feet to a point with Oregon (North Zone) coordinate of 3037081.467 E and 6951315.629 N; thence southerly approximately 1,209 feet to a point with Oregon (North Zone) coordinate of 3037360.741 E and 694107.395 N; thence easterly approximately 263 feet to a point with Oregon (North Zone) coordinate of 3037622.161 E and 694076.579 N; thence northeasterly approximately 456 feet to the intersection with a point on the Hells Canyon National Recreation Area boundary with Oregon (North Zone) coordinate of 3038014.398 E and 694310.715 N; thence, following along a line identical with the National Recreation Area boundary, southeasterly approximately 1,253 feet to a point with Oregon (North Zone) coordinate of 3038653.271 E and 693231.884 N; thence, leaving the National Recreation Area boundary, southerly approximately 1,814 feet to a point with Oregon (North Zone) coordinate of 3039214.044 E and 691529.506 N; thence southerly approximately 1,708 feet to a point with Oregon (North Zone) coordinate of 3039053.386 E and 689841.694 N; thence southeasterly approximately 2,063 feet to a point with Oregon (North Zone) coordinate of 3039762.640 E and 687904.255 N; thence southeasterly approximately 467 feet to a point with Oregon (North Zone) coordinate of 3040094.659 E and 687575.552 N; thence southerly approximately 1,501 feet to a point with Oregon (North Zone) coordinate of 3040684.128 E and 686194.594 N; thence southerly approximately 852 feet to the intersection with a point on the Hells Canyon National Recreation Area boundary with Oregon (North Zone) coordinate of 3040853.805 E and 685359.520 N; thence, following along a line identical with the National Recreation Area boundary, southerly approximately 1,790 feet to a point with Oregon (North Zone) coordinate of 3040942.429 E and 683576.739 N; thence southwesterly approximately 2,568 feet to a point with Oregon (North Zone) coordinate of 3038958.066 E and 681045.692 N; thence westerly approximately 897 feet to a point with Oregon (North Zone) coordinate of 303806.258 E and 681838.511 N;

thence southwesterly approximately 2,071 feet to a point with Oregon (North Zone) coordinate of 3036296.932 E and 680762.368 N; thence southwesterly approximately 4,294 feet to a point with Oregon (North Zone) coordinate of 3034549.857 E and 676844.495 N; thence southerly approximately 1,158 feet to a point with Oregon (North Zone) coordinate of 3034674.431 E and 675693.007 N; thence southwesterly approximately 3,093 feet to a point on a peak north of Fire Camp Saddle; thence southeasterly approximately 2,493 feet crossing Fire Camp Saddle to a point with Oregon (North Zone) coordinate of 3034178.683 E and 670680.330 N; thence southwesterly approximately 1,575 feet to a point with Oregon (North Zone) coordinate of 3032863.871 E and 669364.083 N; thence southerly approximately 4,754 feet to a point on the ridgetop north of "The Narrows" with Oregon (North Zone) coordinate of 3032046.905 E and 665187.320 N; thence southerly along the ridgetop through "The Narrows" to Bald Mountain; thence continuing southerly along the ridgetop to a point with Oregon (North Zone) coordinate of 3028636.427 E and 646719.078 N.

Thence, leaving the National Recreation Area boundary, westerly approximately 372 feet to a point with Oregon (North Zone) coordinate of 3028302.048 E and 646603.613 N; thence southerly approximately 1,103 feet to a point with Oregon (North Zone) coordinate of 3028253.312 E and 645502.173 N; thence southwesterly approximately 409 feet to a point with Oregon (North Zone) coordinate of 3027967.158 E and 645209.084 N; thence southerly approximately 2,710 feet to a point with Oregon (North Zone) coordinate of 3027268.142 E and 642515.341 N; thence southwesterly approximately 4,666 feet to a point with Oregon (North Zone) coordinate of 3024209.966 E and 639018.389 N; thence westerly approximately 788 feet to a point with Oregon (North Zone) coordinate of 3023434.273 E and 638874.416 N; thence southwesterly approximately 746 feet to a point with Oregon (North Zone) coordinate of 3023156.398 E and 638181.610 N; thence southerly approximately 1,096 feet to a point with Oregon (North Zone) coordinate of 3023264.239 E and 637090.859 N; thence southeasterly approximately 554 feet to a point with Oregon (North Zone) coordinate of 3023649.955 E and 636692.914 N; thence easterly approximately 2,475 feet to the intersection of this line with a point on the new Boise

Trail which is also the intersection with a point on the Hells Canyon National Recreation Area boundary; thence southerly along the upper side of the new Boise Trail, following a line identical with the Hells Canyon National Recreation Area boundary, to its intersection with the north boundary of Section 2, T. 22 N., R. 2 W., B.M.; thence southeasterly approximately 1,290 feet to the intersection with the N 1/16 corner between Sections 1 and 2, T. 22 N., R. 2 W., B.M., which is also a point on the Rapid River-Wild River boundary; thence south to the W 1/16 corner between Sections 1 and 2, T. 22 N., R. 2 W., B.M.; thence, following along a line identical with the National Recreation Area boundary, southeasterly approximately 4,640 feet to a point with Oregon (North Zone) coordinate of 3023532.801 E and 606605.236 N; thence southerly approximately 1,220 feet to a point with Oregon (North Zone) coordinate of 3023691.185 E and 605410.846 N; thence southwesterly approximately 1,130 feet to a point with Oregon (North Zone) coordinate of 3023321.164 E and 604349.331 N; thence southerly approximately 1,069 feet to a point with Oregon (North Zone) coordinate of 3023472.489 E and 603311.344 N; thence southwesterly approximately 2,005 feet to a point with Oregon (North Zone) coordinate of 3024530.247 E and 601559.393 N, which is a point on Jackley Mountain; thence southwesterly approximately 3,086 feet to a point with Oregon (North Zone) coordinate of 3024132.902 E and 600818.873 N; thence southerly approximately 824 feet to a point on Holbrook Saddle with Oregon (North Zone) coordinate of 3023796.708 E and 597785.948 N; thence southwesterly approximately 1,368 feet to a point with Oregon (North Zone) coordinate of 3022778.331 E and 596872.451 N; thence southerly approximately 940 feet to a point with Oregon (North Zone) coordinate of 3022489.352 E and 595978.410 N; thence southeasterly approximately 2,634 feet to a point with Oregon (North Zone) coordinate of 3023750.199 E and 593665.870 N; thence southerly approximately 1,390 feet to a point with Oregon (North Zone) coordinate of 3024098.933 E and 592319.605 N; thence southerly approximately 5,036 feet crossing Paradise Creek to a point with Oregon (North Zone) coordinate of 3023659.249 E and 587302.707 N; thence southwesterly approximately 1,610 feet to a point with Oregon (North Zone) coordinate of 3022915.271 E and 585875.157 N.

lower
per 2370 memo
alt. 6/18/1981
MAP

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Thence, leaving the National Recreation Area boundary, southwesterly approximately 3,210 feet to a point with Oregon (North Zone) coordinate of 3020642.490 E and 583619.810 N; thence westerly 834 feet to a point with Oregon (North Zone) coordinate of 3019808.219 E and 583596.616 N; thence northwesterly approximately 1,419 feet to a point with Oregon (North Zone) coordinate of 3018637.903 E and 584398.994 N; thence westerly approximately 3,303 feet to a point with Oregon (North Zone) coordinate of 3015481.889 E and 583424.153 N; thence southerly approximately 1,618 feet to a point with Oregon (North Zone) coordinate of 3014791.043 E and 581996.026 N; thence southwesterly approximately 1,432 feet to a point with Oregon (North Zone) coordinate of 3013613.523 E and 581180.555 N; thence southwesterly approximately 2,086 feet to a point with Oregon (North Zone) coordinate of 3012408.505 E and 579477.222 N; thence southerly approximately 1,123 feet to a point with Oregon (North Zone) coordinate of 3012854.634 E and 578445.981 N; thence southeasterly approximately 2,067 feet to a point with Oregon (North Zone) coordinate of 3014405.890 E and 577080.189 N; thence southerly approximately 1,880 feet to a point with Oregon (North Zone) coordinate of 3014353.793 E and 575200.180 N; thence southwesterly approximately 1,480 feet to a point with Oregon (North Zone) coordinate of 3013443.043 E and 574039.636 N; thence southeasterly approximately 1,952 feet to a point with Oregon (North Zone) coordinate of 3014094.850 E and 572198.955 N; thence southeasterly approximately 3,784 feet to a point with Oregon (North Zone) coordinate of 3016349.201 E and 569159.940 N; thence southerly approximately 1,571 feet to a point with Oregon (North Zone) coordinate of 3016562.176 E and 567603.091 N; thence southwesterly approximately 4,096 feet to a point with Oregon (North Zone) coordinate of 3015206.823 E and 563736.936 N; thence westerly approximately 2,143 feet to the intersection of the line with a point on the Hells Canyon National Recreation Area boundary with Oregon (North Zone) coordinate of 3012828.177 E and 563343.507 N.

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Thence, following along a line identical with the National Recreation Area boundary, northwesterly along the ridgetop between Deep Creek and Indian Creek drainages to the intersection with a point on Pepper Box Hill and the section line common to Sections 17 and 18, T. 21 N., R. 2 W., B.M.; thence

north to the corner common to sections 7, 8, 17, and 18; thence north to the corner common to sections 5, 6, 7, and 3; thence north to the section corner common to sections 5 and 6; thence northerly approximately 2,418 feet crossing Emmett Mountain to a point with Oregon (North Zone) coordinate of 3000238.535 E and 583810.417 N; thence northeasterly approximately .610 feet to a point with Oregon (North Zone) coordinate of 3000431.648 E and 584389.078 N; thence easterly approximately 1,468 feet to a point with Oregon (North Zone) coordinate of 3001716.084 E and 585101.123 N; thence northerly approximately 330 feet to a point with Oregon (North Zone) coordinate of 3001603.545 E and 585410.944 N; thence northwesterly approximately 695 feet to a point with Oregon (North Zone) coordinate of 3000922.074 E and 585549.178 N; thence northerly approximately 1,375 feet to a point with Oregon (North Zone) coordinate of 3000315.619 E and 586784.293 N; thence northwesterly approximately 3,281 feet to a point with Oregon (North Zone) coordinate of 2997507.061 E and 588482.039 N; thence northwesterly approximately 3,200 feet to a point with Oregon (North Zone) coordinate of 2995818.299 E and 591200.263 N; thence northerly approximately 1,636 feet to a point with Oregon (North Zone) coordinate of 2995514.716 E and 592808.418 N; thence northeasterly approximately 583 feet to a point with Oregon (North Zone) coordinate of 2995761.319 E and 593336.368 N; thence northerly approximately 4,418 feet to a point with Oregon (North Zone) coordinate of 2994760.267 E and 597637.051 N; thence northerly approximately 6,509 feet to a point on Cliff Mountain with Oregon (North Zone) coordinate of 2994955.598 E and 604322.990 N; thence southwesterly approximately 3,421 feet to a point with Oregon (North Zone) coordinate of 2991829.500 E and 602980.373 N; thence westerly approximately 1,152 feet to a point with Oregon (North Zone) coordinate of 2990677.833 E and 603032.880 N; thence southwesterly approximately 1,008 feet to a point with Oregon (North Zone) coordinate of 2989755.879 E and 602625.587 N; thence westerly approximately 2,576 feet to a point with Oregon (North Zone) coordinate of 2987187.166 E and 602823.108 N; thence southwesterly approximately 3,112 feet to a point with Oregon (North Zone) coordinate of 2984366.818 E and 601651.011 N; thence southwesterly approximately 5,095 feet to the intersection of this line with

a point on the 2000 foot M.S.L. contour line which is a point on the ridge on the north side of Deep Creek;

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Thence, following along a line identical with the Snake River Wild River boundary, northerly along the 2000 foot contour line to the intersection of an east-west line with north coordinate of 606351.286, coordinates based on Oregon Plane Grid System, North Zone; thence northeasterly along the 2000 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 610029.596; thence N. 2° 30' W. approximately 900 feet, crossing Brush Creek to the intersection of the 2000 foot contour line with the east-west line with north coordinate of 610929.222; thence northerly along the 2000 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 626378.167; thence northeasterly along the 2000 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 2988515.579; thence southeasterly along the 2000 foot contour line to the intersection with Granite Creek; thence northwesterly along the 2000 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 636662.930; thence northeasterly along the 2000 foot contour line to the intersection of the contour line with the east section line of Section 1, T. 23 N., R. 3 W., B.M.; thence north along the section line to the intersection of the section line with the 1680 foot contour line; thence easterly along the 1680 foot contour line to the intersection of the contour line with Three Creek; thence northerly along the 1680 foot contour line to the intersection of the contour line with the south boundary of Section 30, T. 24 N., R. 2 W., B.M.; thence east along the section line to the intersection of the section line with the 2000 foot contour line; thence northerly along the 2000 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 2998007.181; thence easterly along the 2000 foot contour line to Bernard Creek; thence northwesterly along the 2000 foot contour line to the intersection of the contour line with the east boundary of the west 1/2 of Section 20, T. 24 N., R. 2 W., B.M.; thence north along this line to the intersection with the 1680 foot contour line; thence northeasterly along the 1680 foot contour line to the intersection of the contour

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line with a north-south line with east coordinate of 3003745.820; thence N. $05^{\circ} 15'$ E approximately 1,560 feet, crossing Bills Creek to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 667247.784; thence northeasterly along the 1600 foot contour line to the intersection of the contour line with a north-south line with east coordinate of 3012866.374; thence southeasterly along the 1600 foot contour line to Sheep Creek; thence northwesterly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 683308.477; thence N. $07^{\circ} 00'$ E. approximately 385 feet, crossing Steep Creek to the intersection of the 1600 foot contour line with an east-west line with north coordinate of 683690.420; thence northerly along the 1600 foot contour line to the intersection of the contour line with an east-west line with north coordinate of 690510.684; thence N. $05^{\circ} 45'$ E approximately 467 feet, crossing Willow Creek to the intersection of a point on the 1600 foot contour line with an east-west line with north coordinate of 690888.898; the point of beginning.