	
United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of: POWERTECH USA, INC. (Dewey-Burdock In Situ Uranium Recovery Facility)	
ASLBP #: 10-898-02-MLA-BD01	Identified: 8/19/2014
Docket #: 04009075	Withdrawn:
Exhibit #: NRC-084-E-00-BD01	Stricken:
Admitted: 8/19/2014	
Rejected:	
Other:	

Symbol	Legend	Count
○	2-4 ppm	5
●	5-9 ppm	8
○	10-14 ppm	7
●	15-19 ppm	10
○	20-24 ppm	8
●	25-29 ppm	12
○	30-34 ppm	16
●	35-39 ppm	17
○	40-44 ppm	20
●	45-49 ppm	23
○	50-54 ppm	24
●	55-59 ppm	24
○	60-64 ppm	24
●	65-69 ppm	24
○	70-74 ppm	24
●	75-79 ppm	24
○	80-84 ppm	24
●	85-89 ppm	24
○	90-94 ppm	24
●	95-99 ppm	24
○	100-104 ppm	24
●	105-109 ppm	24
○	110-114 ppm	24
●	115-119 ppm	24
○	120-124 ppm	24
●	125-129 ppm	24
○	130-134 ppm	24
●	135-139 ppm	24
○	140-144 ppm	24
●	145-149 ppm	24
○	150-154 ppm	24
●	155-159 ppm	24
○	160-164 ppm	24
●	165-169 ppm	24
○	170-174 ppm	24
●	175-179 ppm	24
○	180-184 ppm	24
●	185-189 ppm	24
○	190-194 ppm	24
●	195-199 ppm	24
○	200-204 ppm	24
●	205-209 ppm	24
○	210-214 ppm	24
●	215-219 ppm	24
○	220-224 ppm	24
●	225-229 ppm	24
○	230-234 ppm	24
●	235-239 ppm	24
○	240-244 ppm	24
●	245-249 ppm	24
○	250-254 ppm	24
●	255-259 ppm	24
○	260-264 ppm	24
●	265-269 ppm	24
○	270-274 ppm	24
●	275-279 ppm	24
○	280-284 ppm	24
●	285-289 ppm	24
○	290-294 ppm	24
●	295-299 ppm	24
○	300-304 ppm	24
●	305-309 ppm	24
○	310-314 ppm	24
●	315-319 ppm	24
○	320-324 ppm	24
●	325-329 ppm	24
○	330-334 ppm	24
●	335-339 ppm	24
○	340-344 ppm	24
●	345-349 ppm	24
○	350-354 ppm	24
●	355-359 ppm	24
○	360-364 ppm	24
●	365-369 ppm	24
○	370-374 ppm	24
●	375-379 ppm	24
○	380-384 ppm	24
●	385-389 ppm	24
○	390-394 ppm	24
●	395-399 ppm	24
○	400-404 ppm	24
●	405-409 ppm	24
○	410-414 ppm	24
●	415-419 ppm	24
○	420-424 ppm	24
●	425-429 ppm	24
○	430-434 ppm	24
●	435-439 ppm	24
○	440-444 ppm	24
●	445-449 ppm	24
○	450-454 ppm	24
●	455-459 ppm	24
○	460-464 ppm	24
●	465-469 ppm	24
○	470-474 ppm	24
●	475-479 ppm	24
○	480-484 ppm	24
●	485-489 ppm	24
○	490-494 ppm	24
●	495-499 ppm	24
○	500-504 ppm	24
●	505-509 ppm	24
○	510-514 ppm	24
●	515-519 ppm	24
○	520-524 ppm	24
●	525-529 ppm	24
○	530-534 ppm	24
●	535-539 ppm	24
○	540-544 ppm	24
●	545-549 ppm	24
○	550-554 ppm	24
●	555-559 ppm	24
○	560-564 ppm	24
●	565-569 ppm	24
○	570-574 ppm	24
●	575-579 ppm	24
○	580-584 ppm	24
●	585-589 ppm	24
○	590-594 ppm	24
●	595-599 ppm	24
○	600-604 ppm	24
●	605-609 ppm	24
○	610-614 ppm	24
●	615-619 ppm	24
○	620-624 ppm	24
●	625-629 ppm	24
○	630-634 ppm	24
●	635-639 ppm	24
○	640-644 ppm	24
●	645-649 ppm	24
○	650-654 ppm	24
●	655-659 ppm	24
○	660-664 ppm	24
●	665-669 ppm	24
○	670-674 ppm	24
●	675-679 ppm	24
○	680-684 ppm	24
●	685-689 ppm	24
○	690-694 ppm	24
●	695-699 ppm	24
○	700-704 ppm	24
●	705-709 ppm	24
○	710-714 ppm	24
●	715-719 ppm	24
○	720-724 ppm	24
●	725-729 ppm	24
○	730-734 ppm	24
●	735-739 ppm	24
○	740-744 ppm	24
●	745-749 ppm	24
○	750-754 ppm	24
●	755-759 ppm	24
○	760-764 ppm	24
●	765-769 ppm	24
○	770-774 ppm	24
●	775-779 ppm	24
○	780-784 ppm	24
●	785-789 ppm	24
○	790-794 ppm	24
●	795-799 ppm	24
○	800-804 ppm	24
●	805-809 ppm	24
○	810-814 ppm	24
●	815-819 ppm	24
○	820-824 ppm	24
●	825-829 ppm	24
○	830-834 ppm	24
●	835-839 ppm	24
○	840-844 ppm	24
●	845-849 ppm	24
○	850-854 ppm	24
●	855-859 ppm	24
○	860-864 ppm	24
●	865-869 ppm	24
○	870-874 ppm	24
●	875-879 ppm	24
○	880-884 ppm	24
●	885-889 ppm	24
○	890-894 ppm	24
●	895-899 ppm	24
○	900-904 ppm	24
●	905-909 ppm	24
○	910-914 ppm	24
●	915-919 ppm	24
○	920-924 ppm	24
●	925-929 ppm	24
○	930-934 ppm	24
●	935-939 ppm	24
○	940-944 ppm	24
●	945-949 ppm	24
○	950-954 ppm	24
●	955-959 ppm	24
○	960-964 ppm	24
●	965-969 ppm	24
○	970-974 ppm	24
●	975-979 ppm	24
○	980-984 ppm	24
●	985-989 ppm	24
○	990-994 ppm	24
●	995-999 ppm	24

419 SAMPLES PLOTTED

Approximate
Contour
≤20 ppm

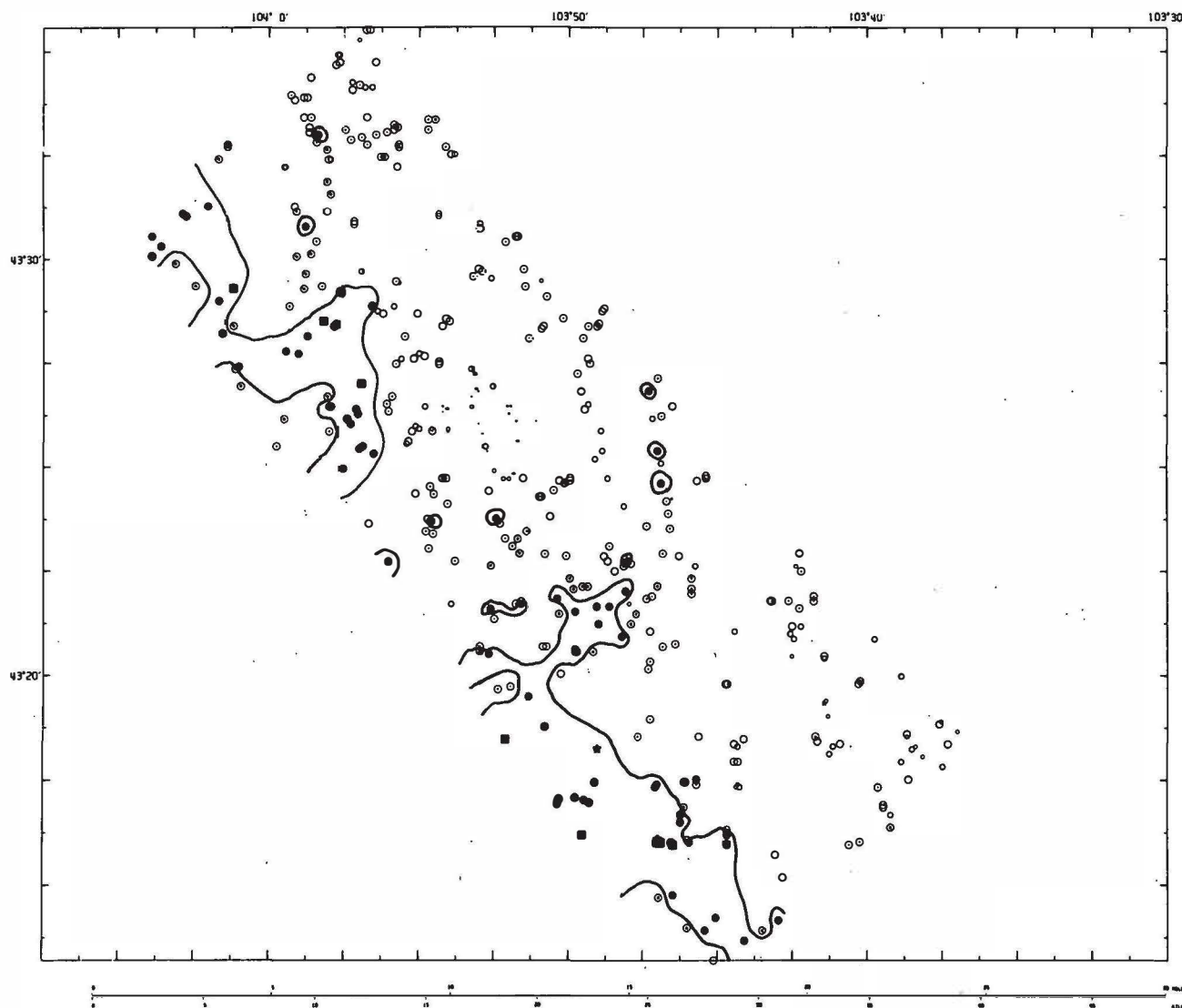


Figure B-11b
GEOCHEMICAL DISTRIBUTION OF COPPER (PPM) IN STREAM SEDIMENT
OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

B-34

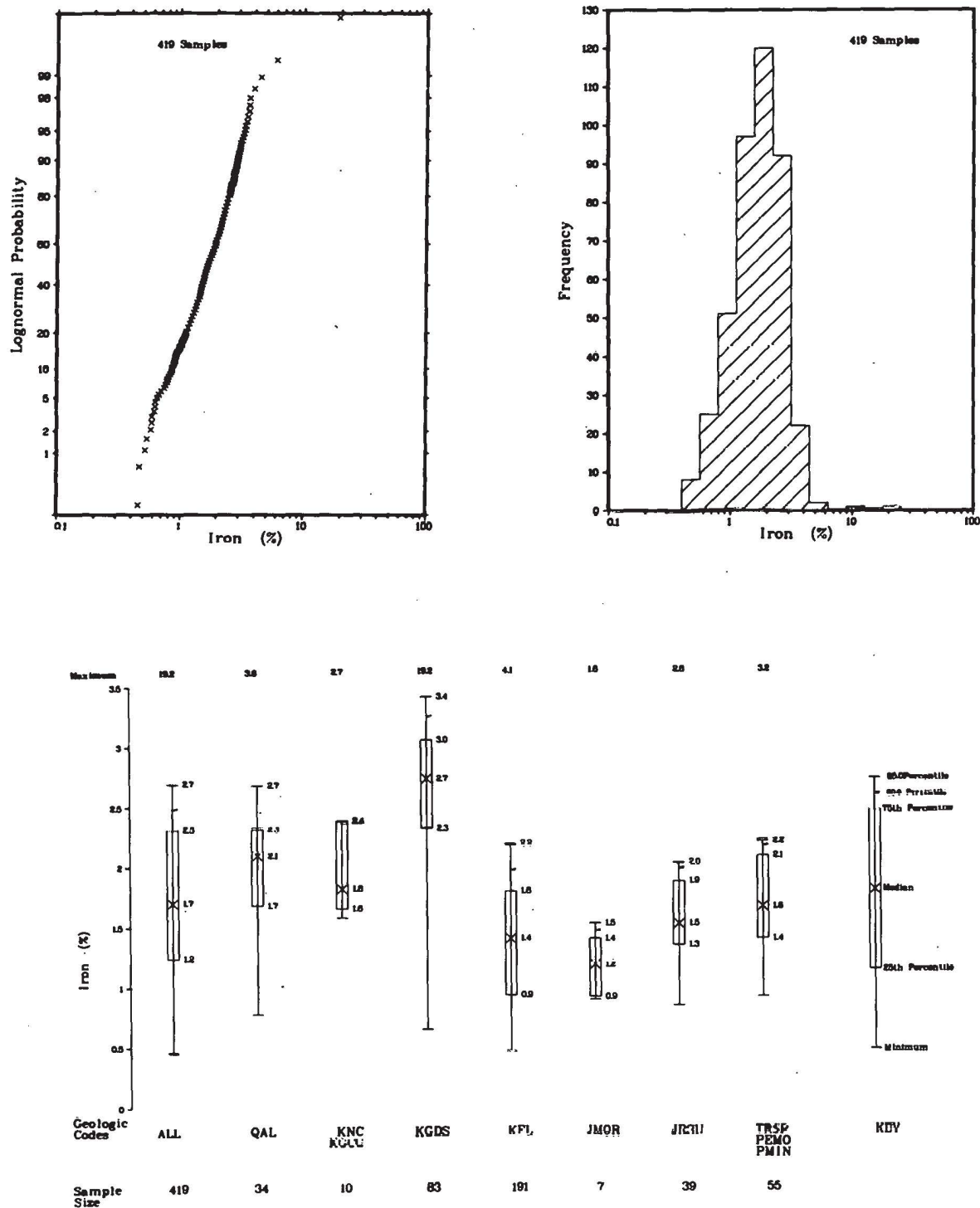
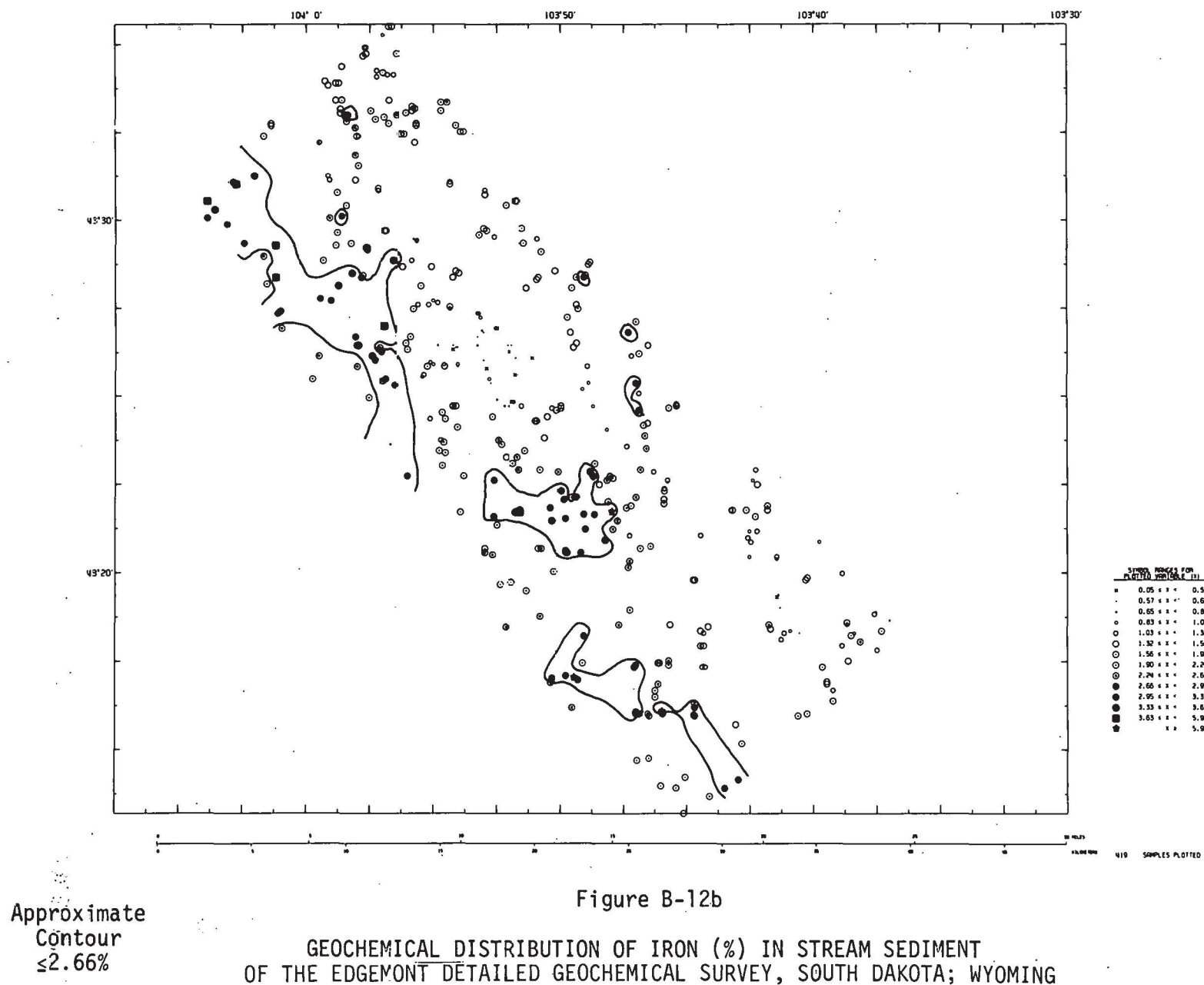


Figure B-12a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR IRON (%)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-36

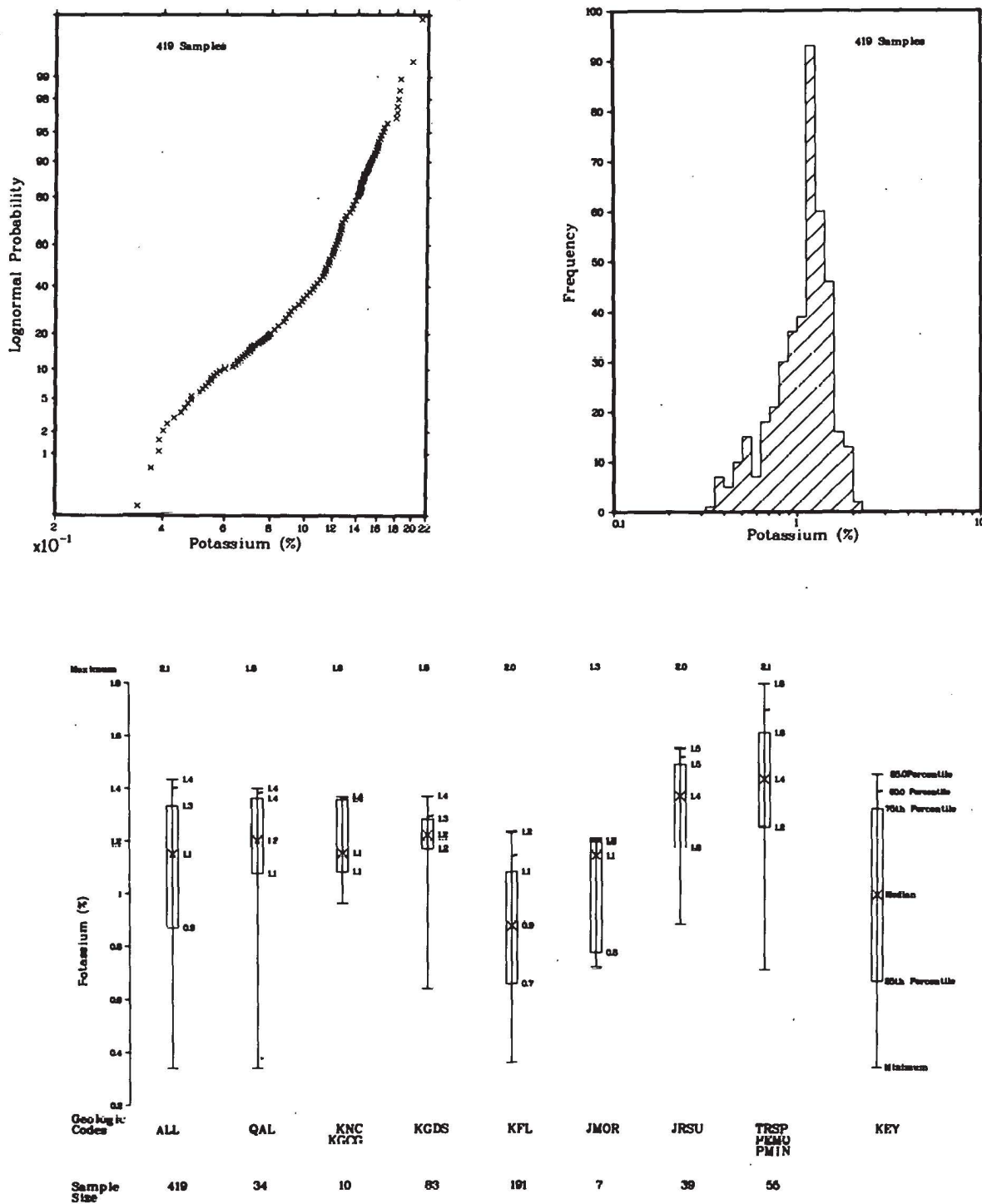
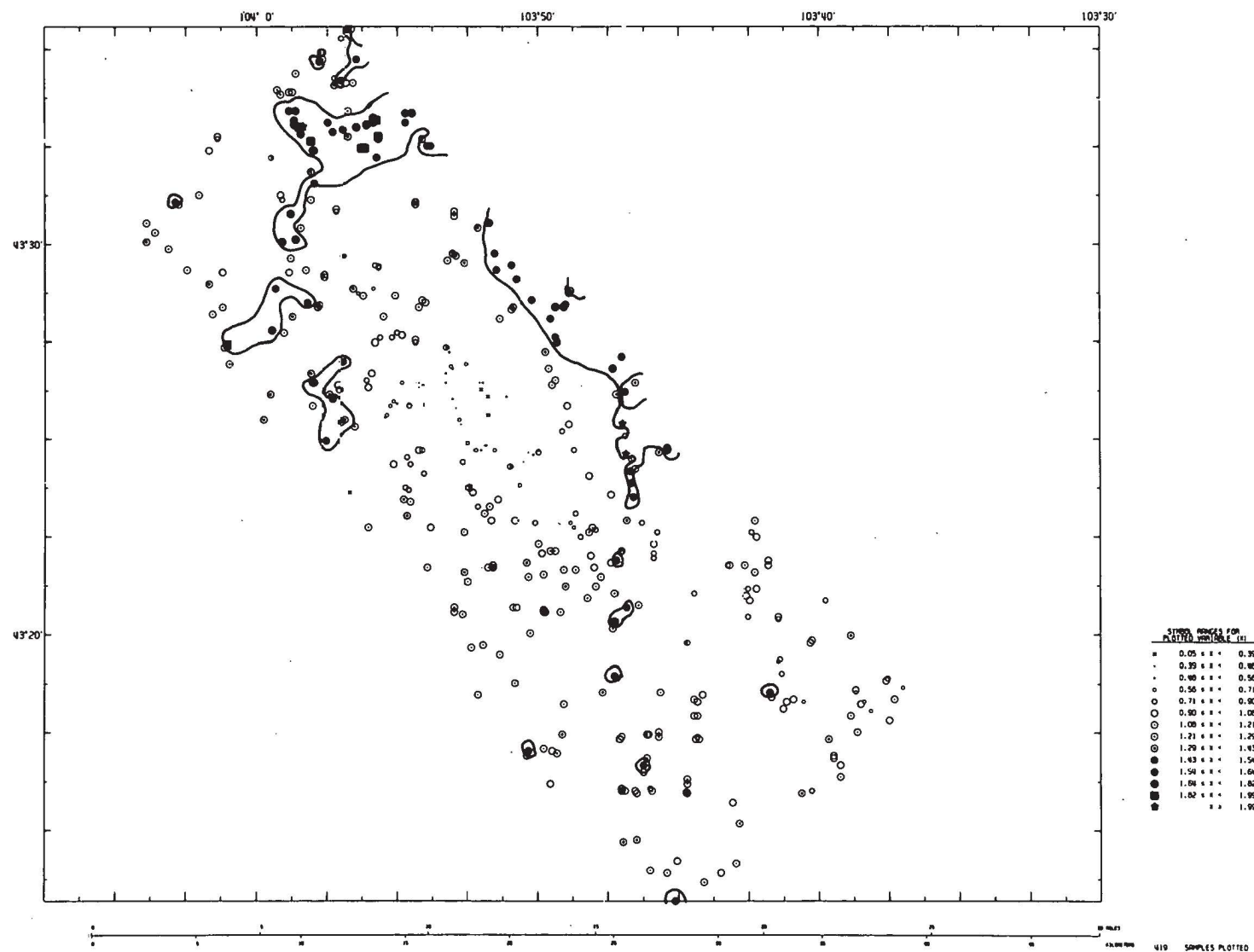


Figure B-13a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR POTASSIUM (%)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-38

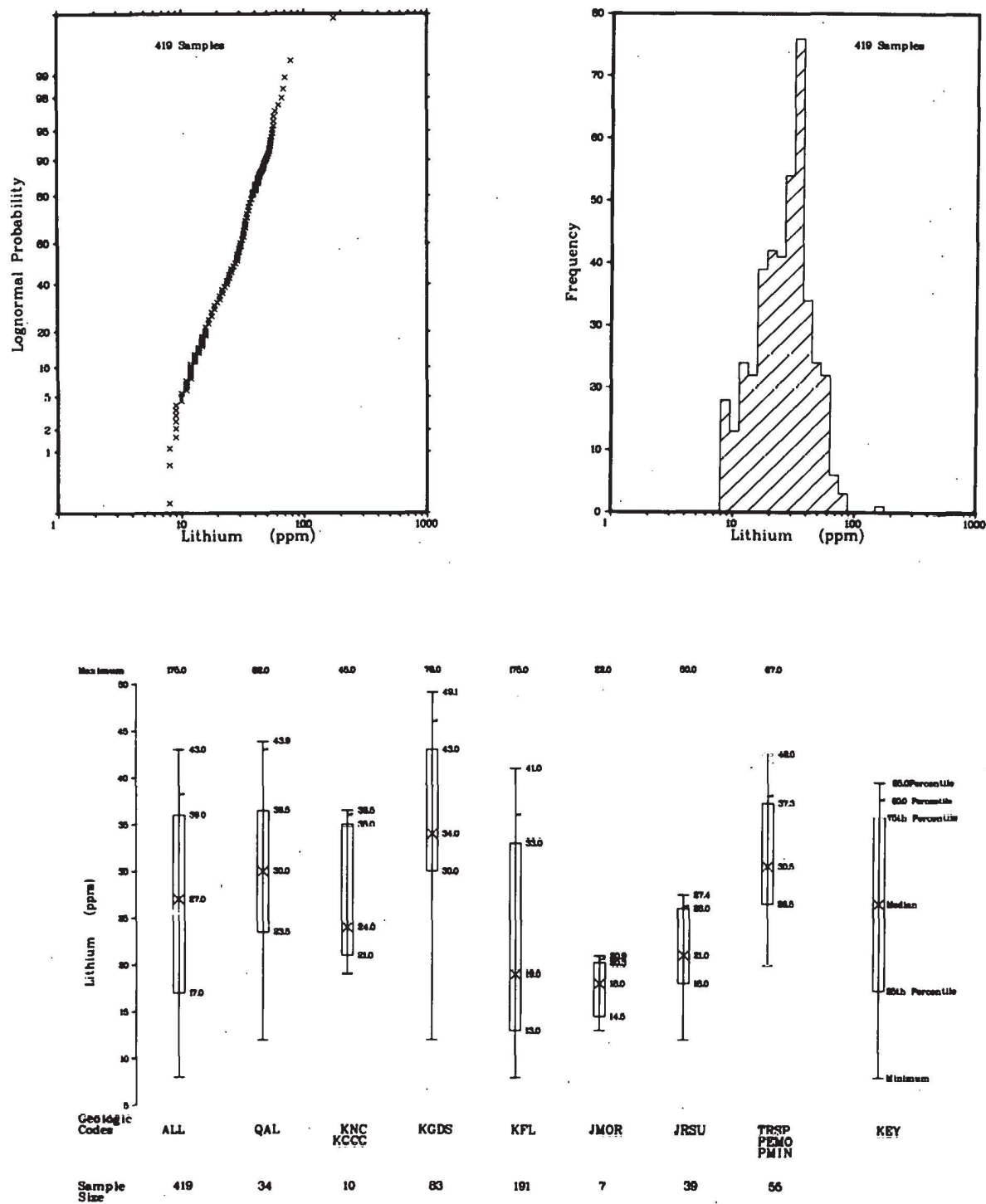
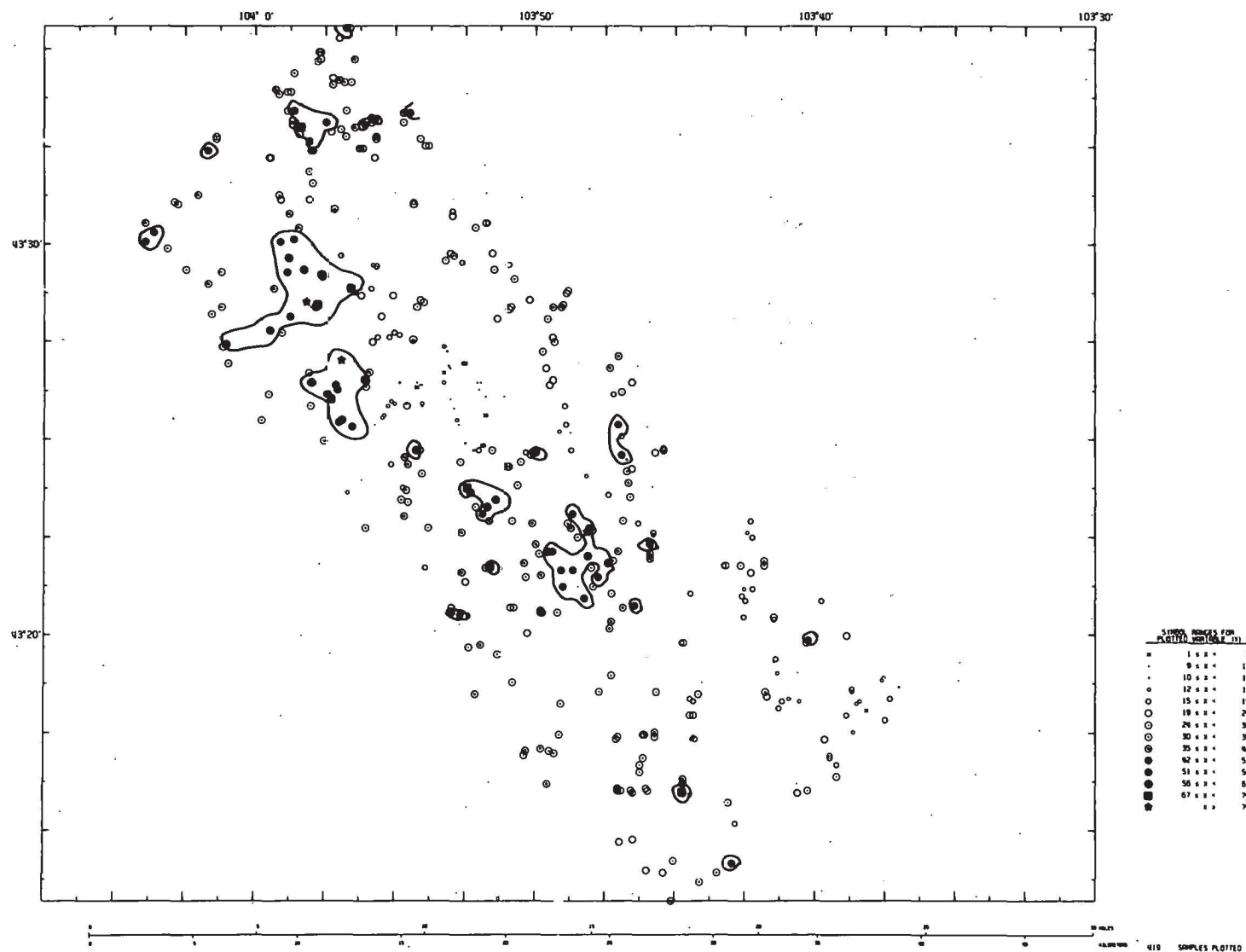


Figure B-14a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR LITHIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-40

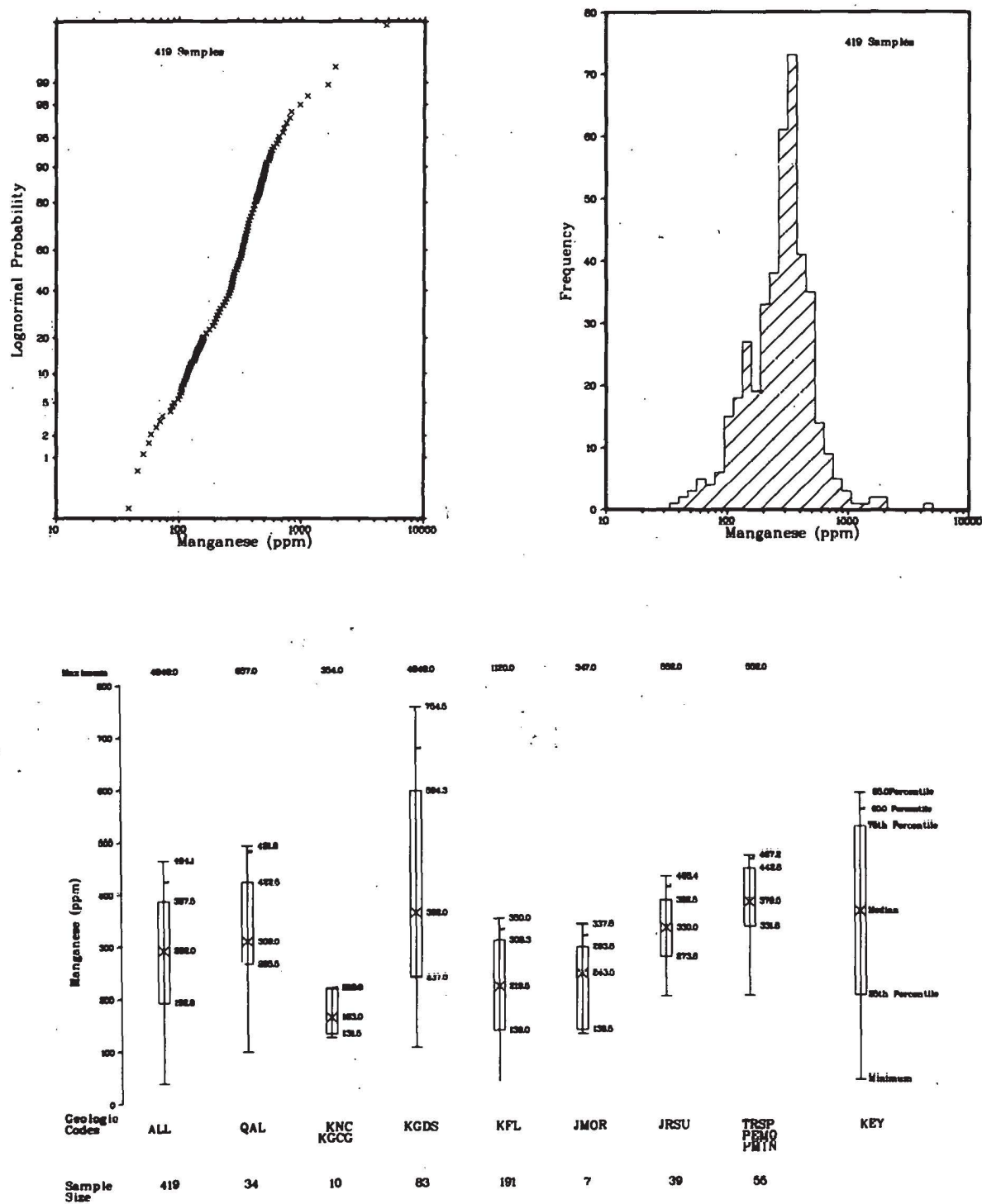
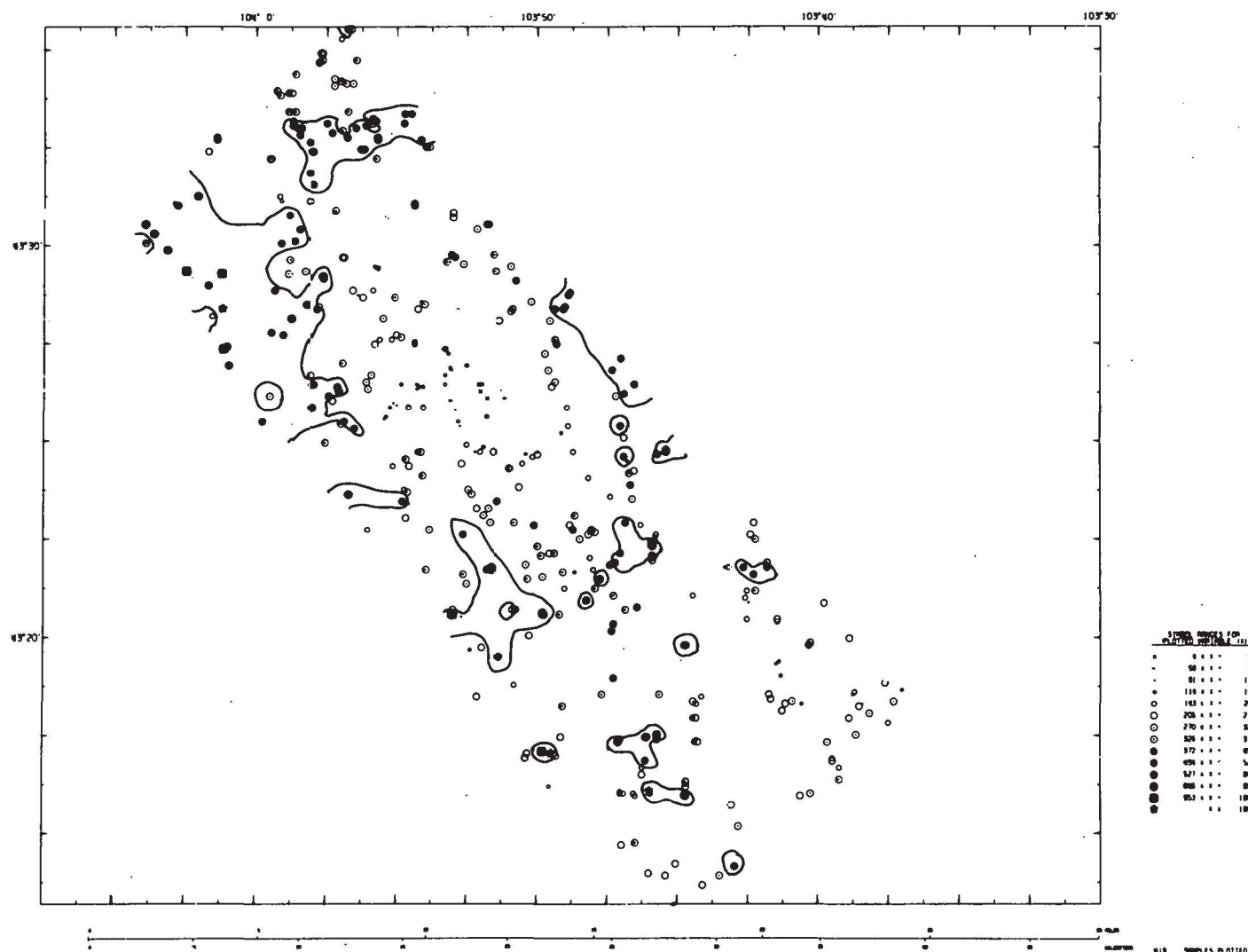


Figure B-15a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR MANGANESE (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-41

Figure B-15b

GEOCHEMICAL DISTRIBUTION OF MANGANESE (PPM) IN STREAM SEDIMENT
OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

B-42

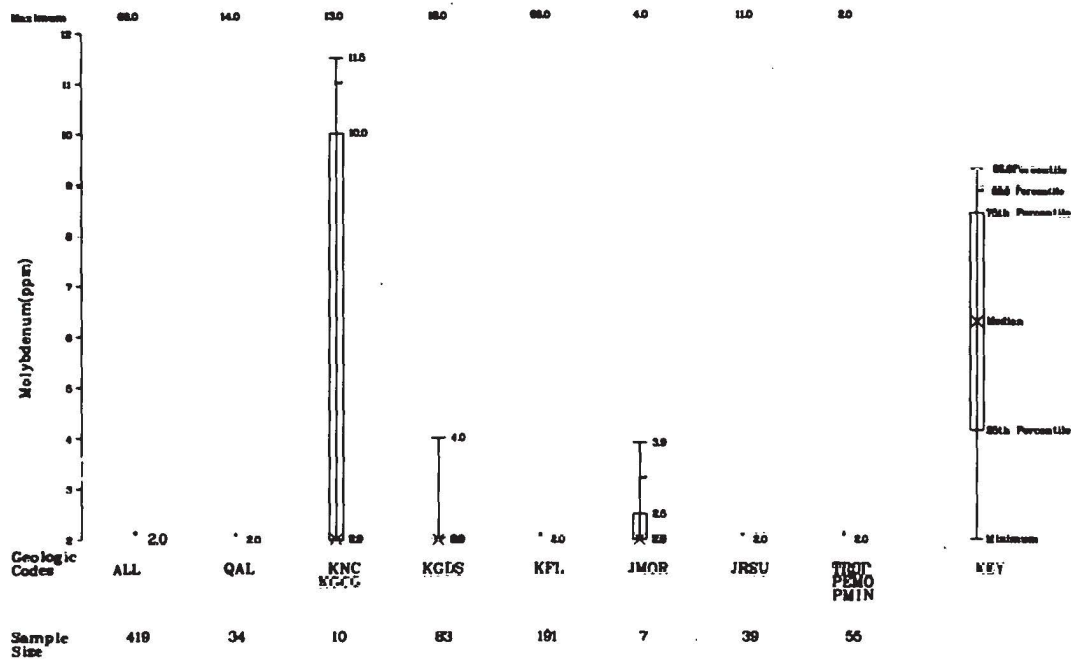
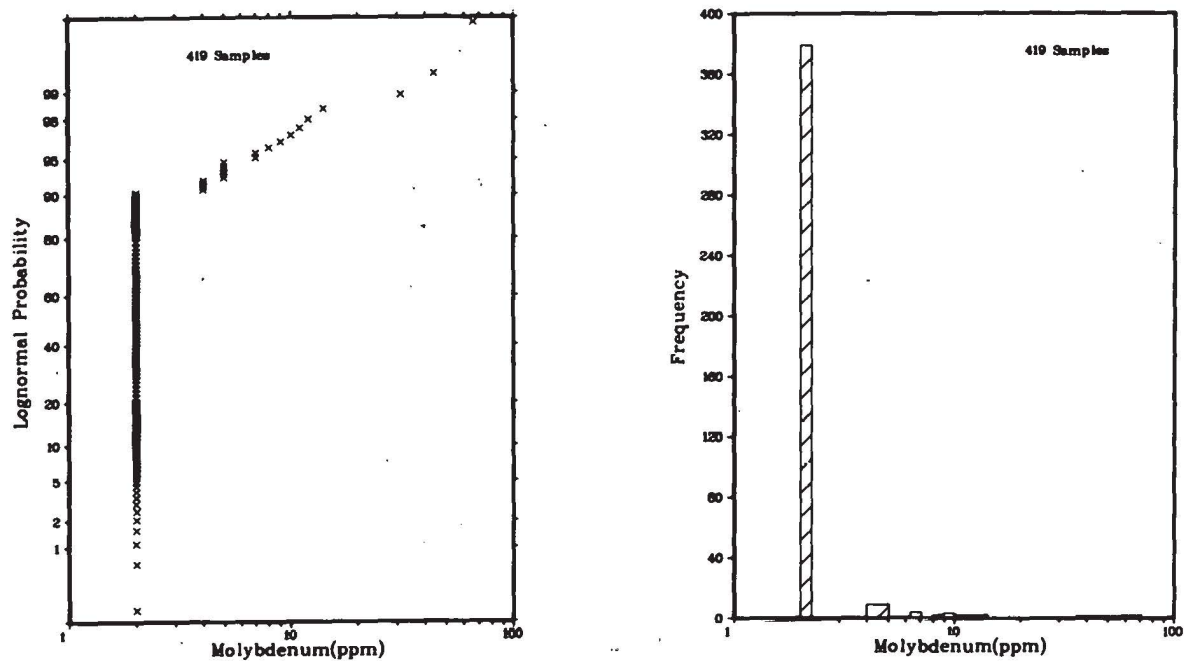
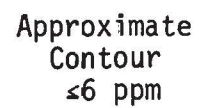


Figure B-16a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR MOLYBDENUM (PPM)
 IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



GEOCHEMICAL DISTRIBUTION OF MOLYBDENUM (PPM) IN STREAM SEDIMENT
OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

B-44

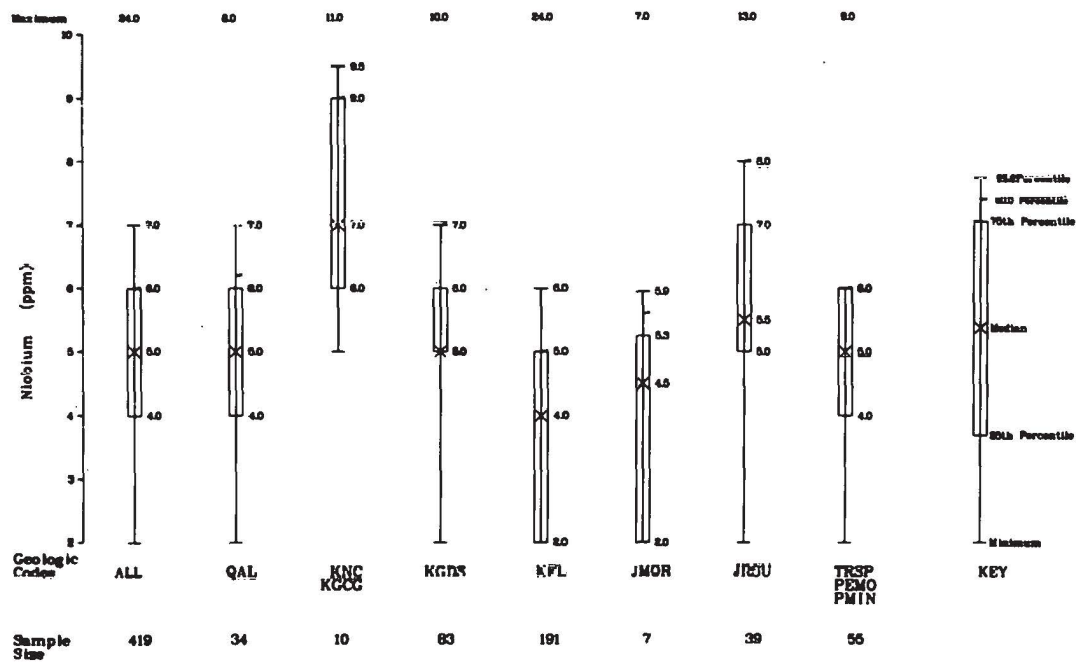
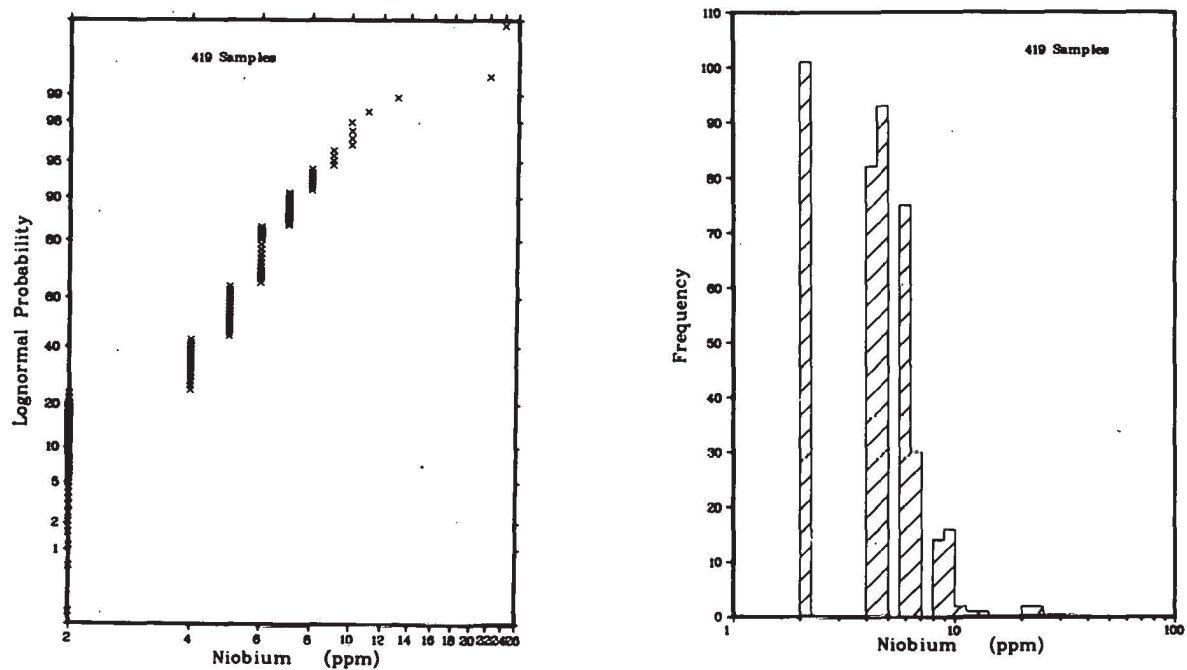
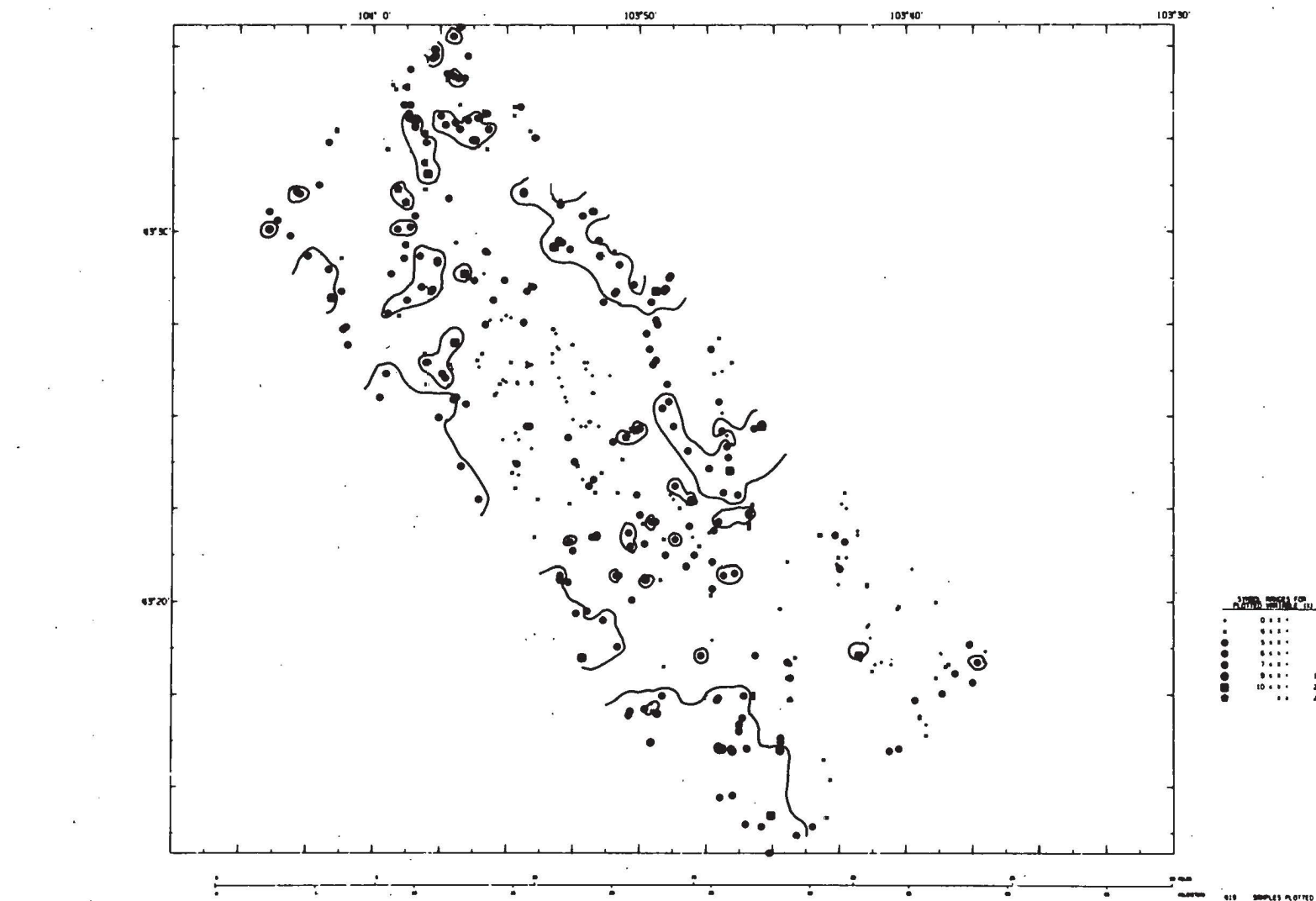


Figure B-17a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR NIOBIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-46

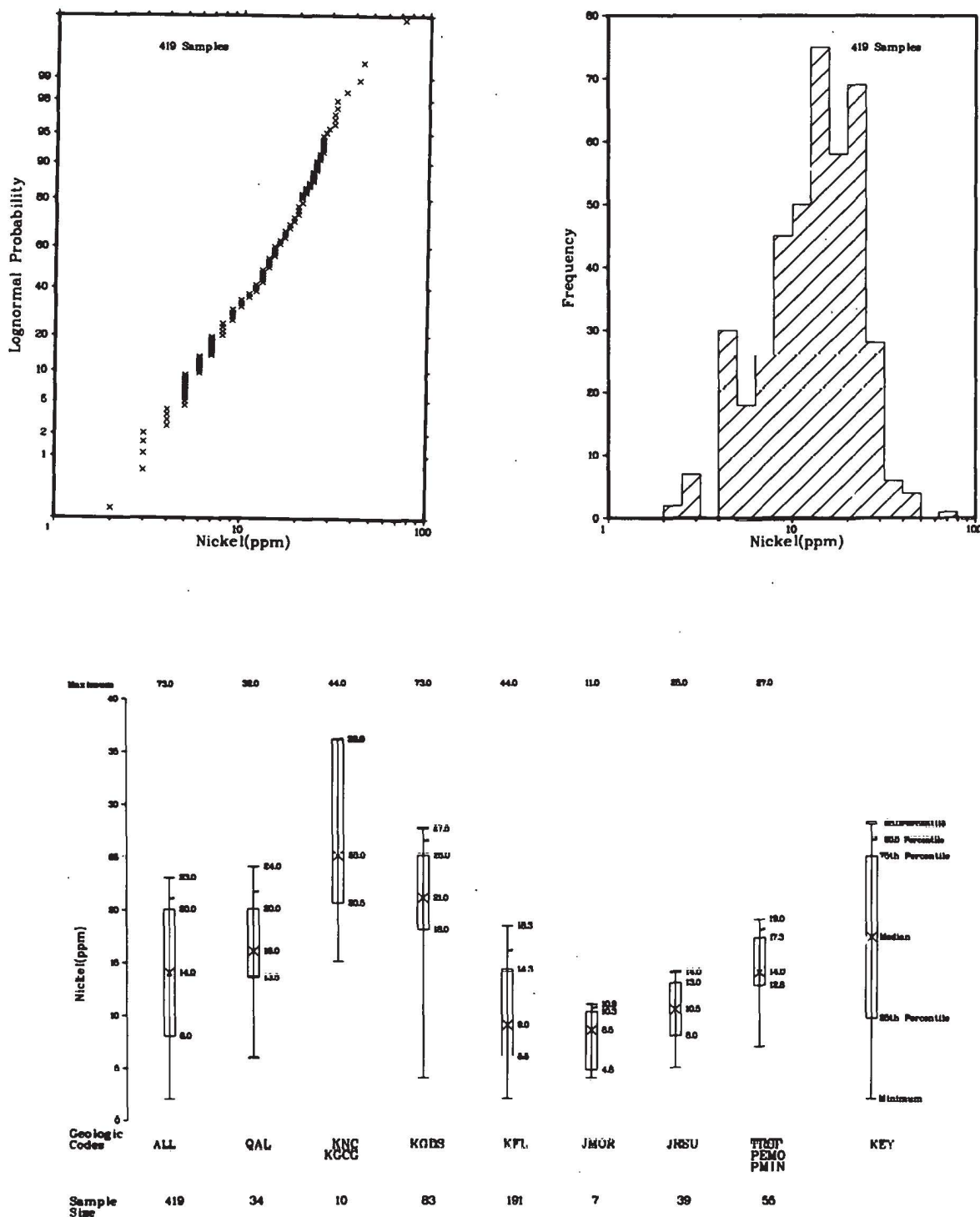
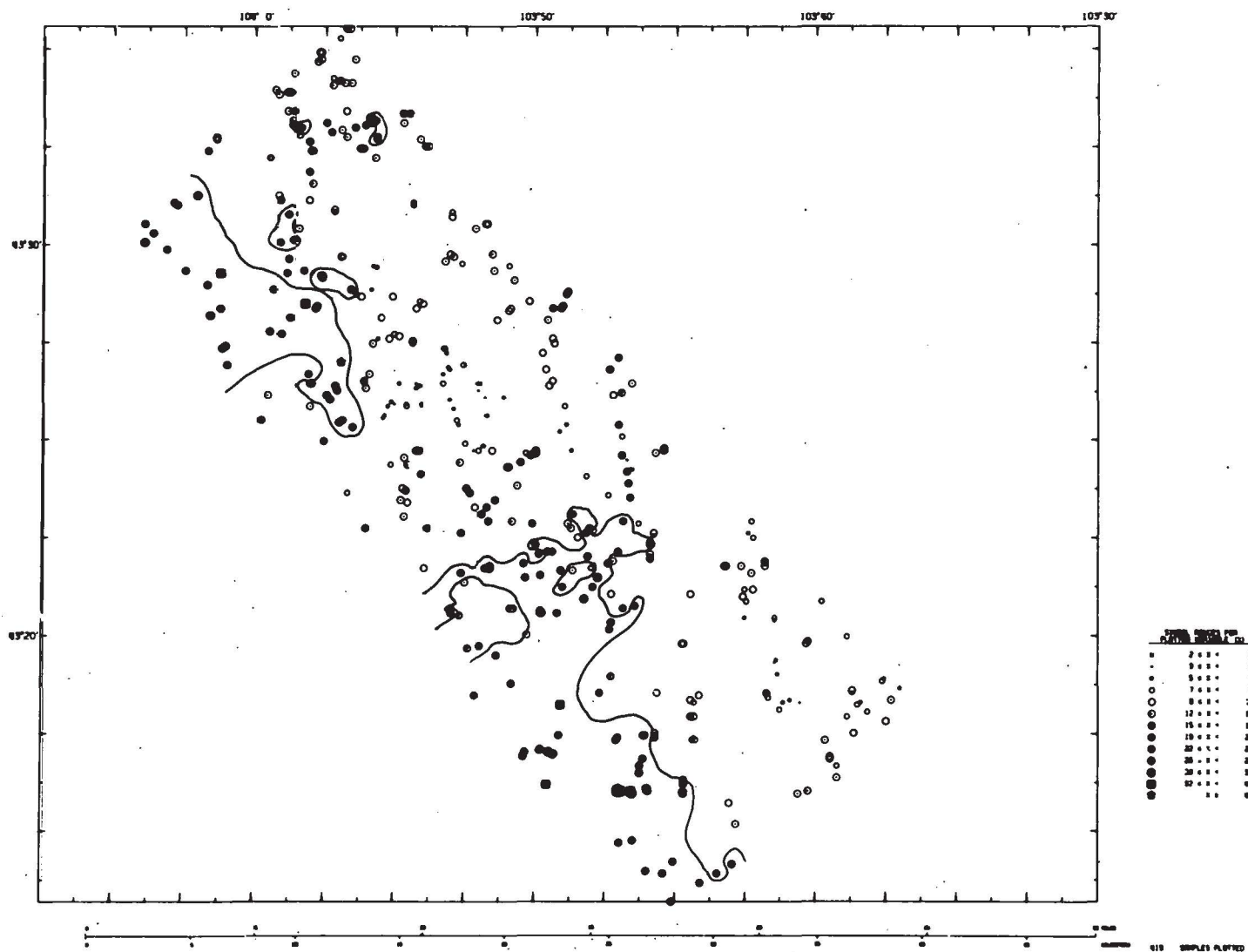


Figure B-18a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR NICKEL (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-48

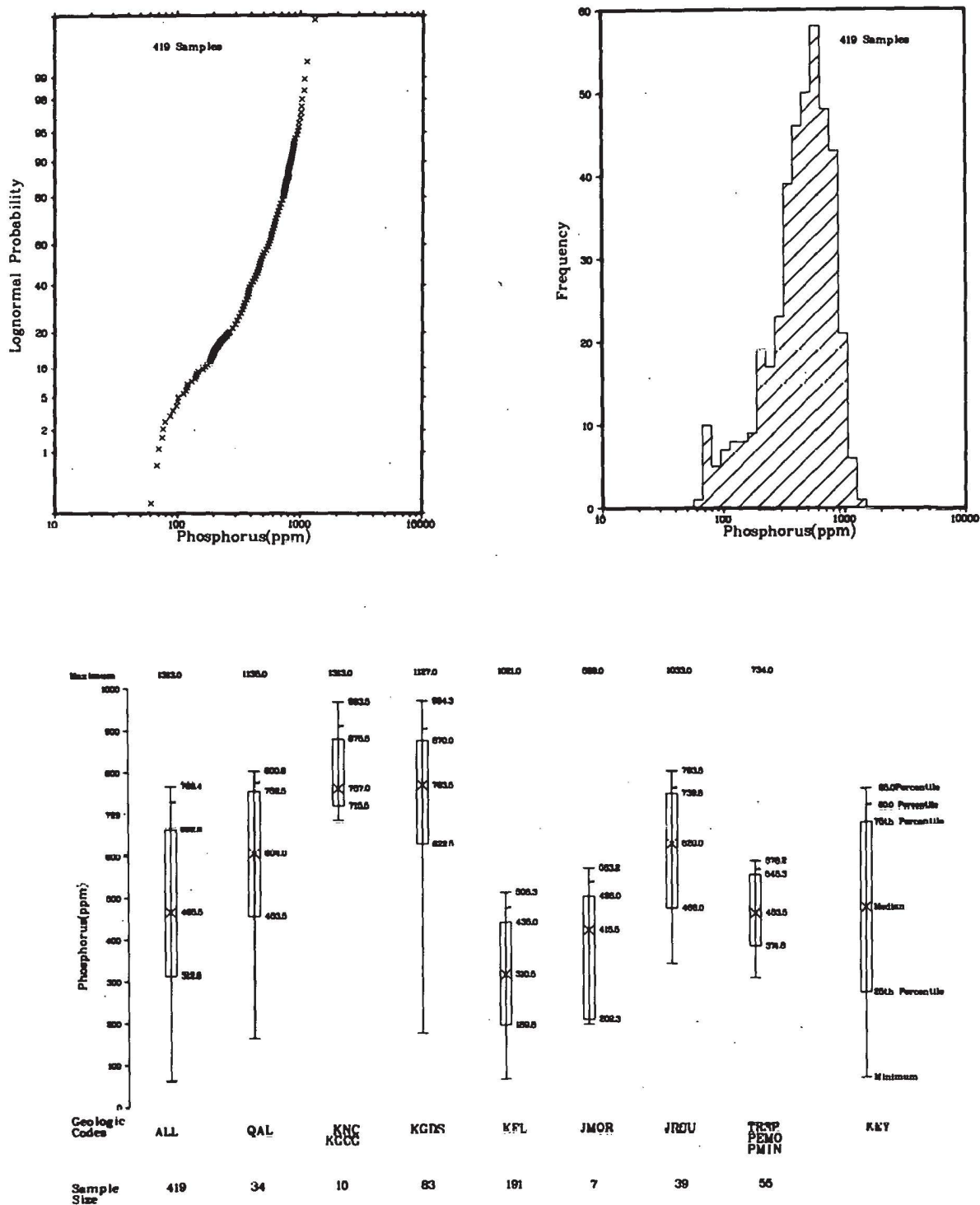
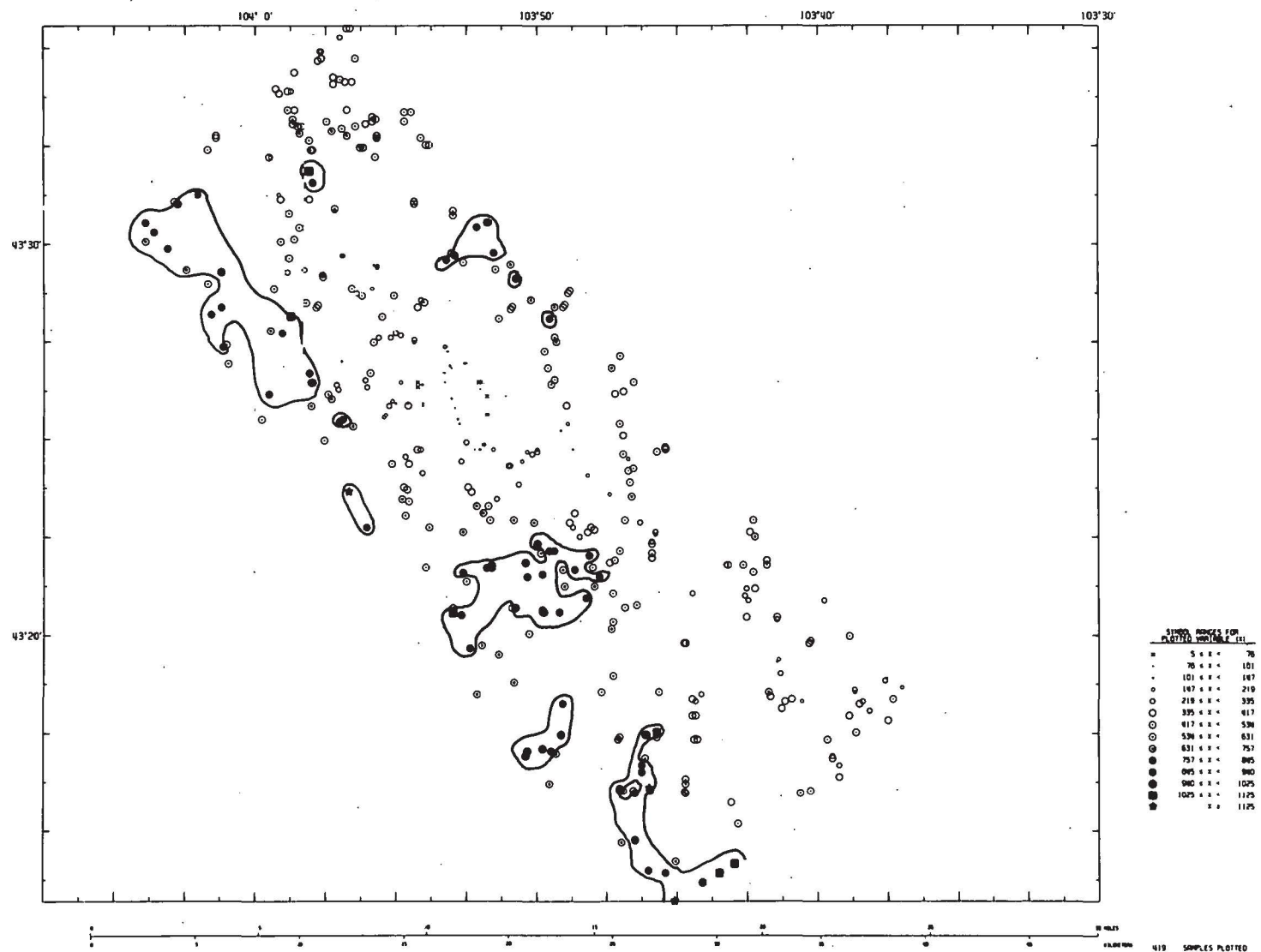


Figure B-19a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR PHOSPHORUS (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-50

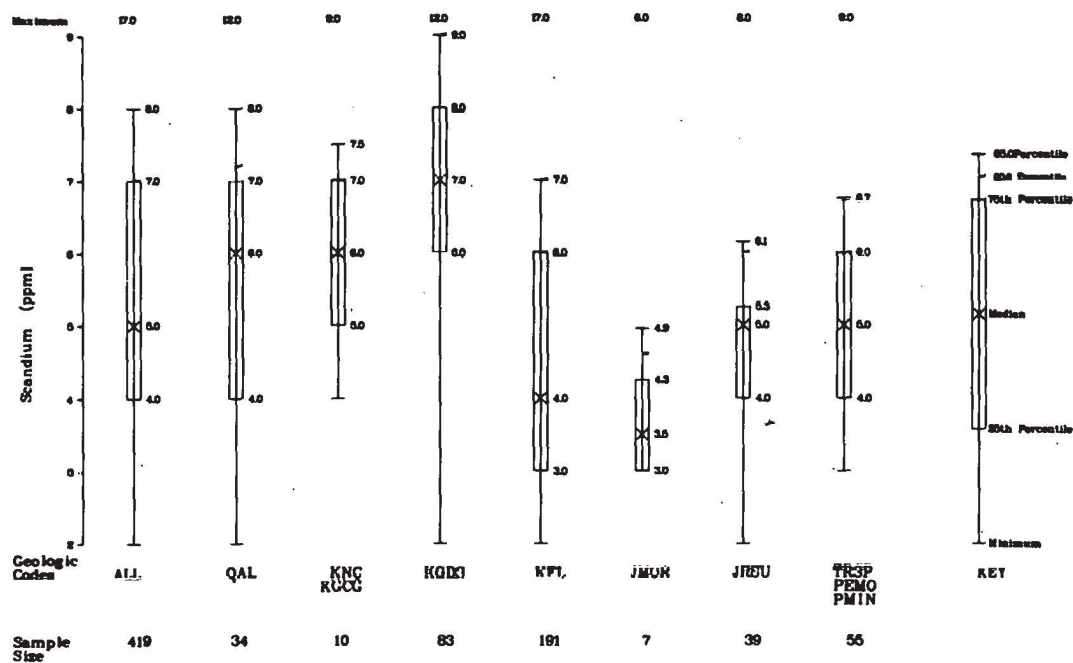
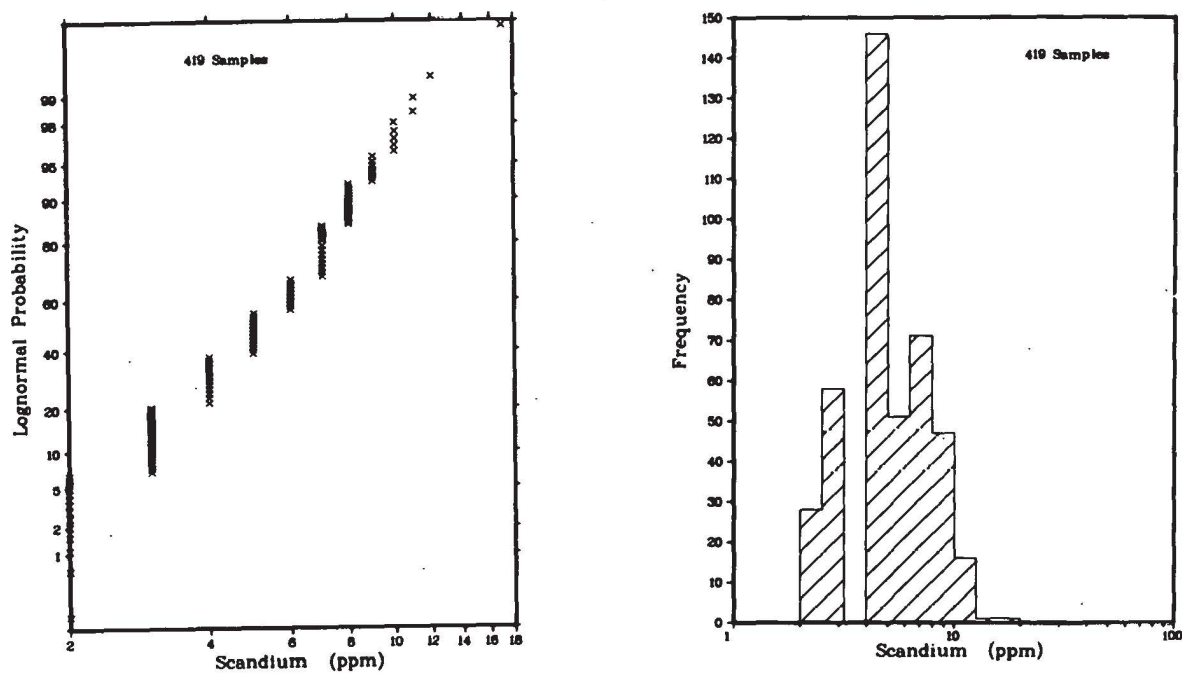
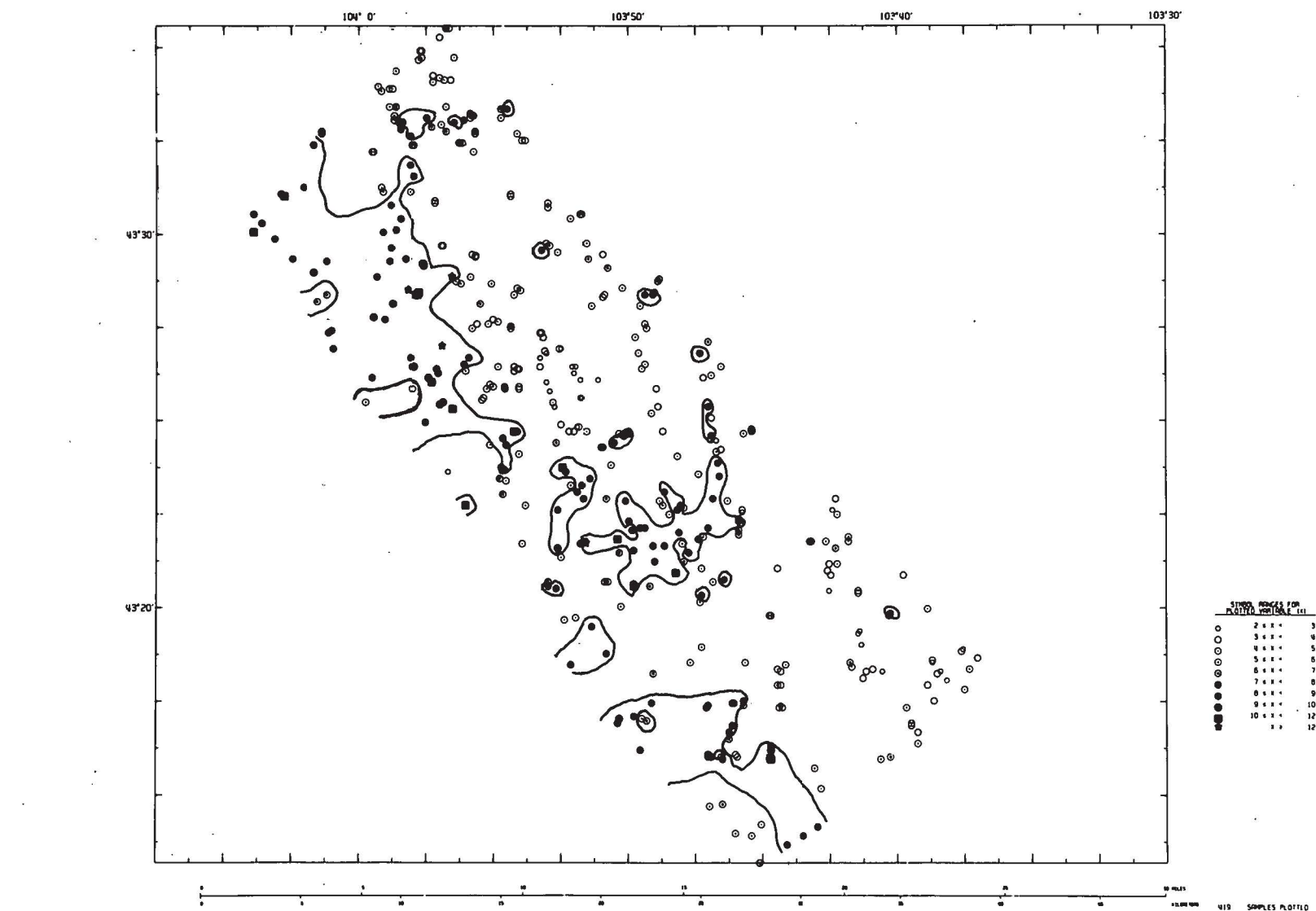


Figure B-20a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR SCANDIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-52

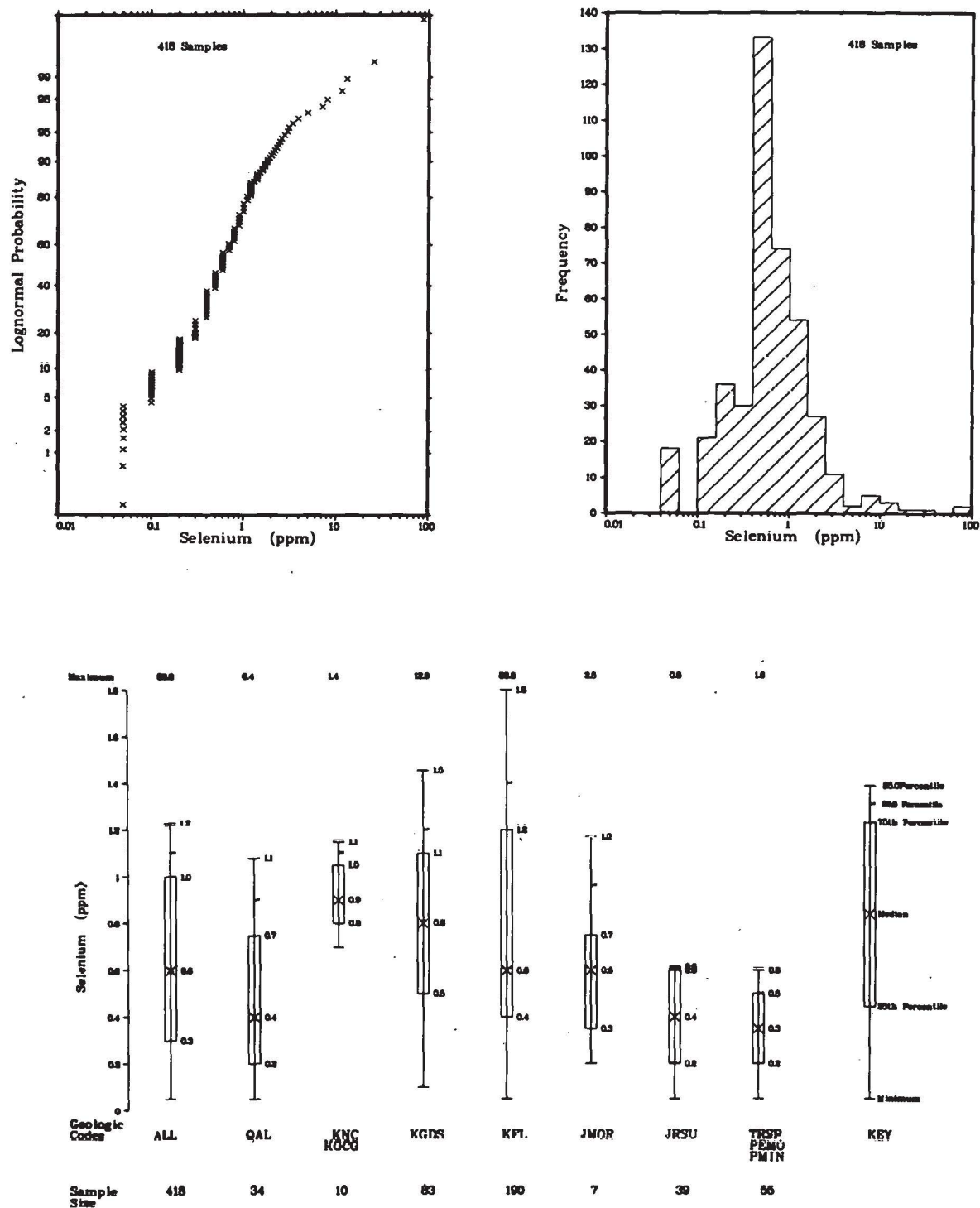
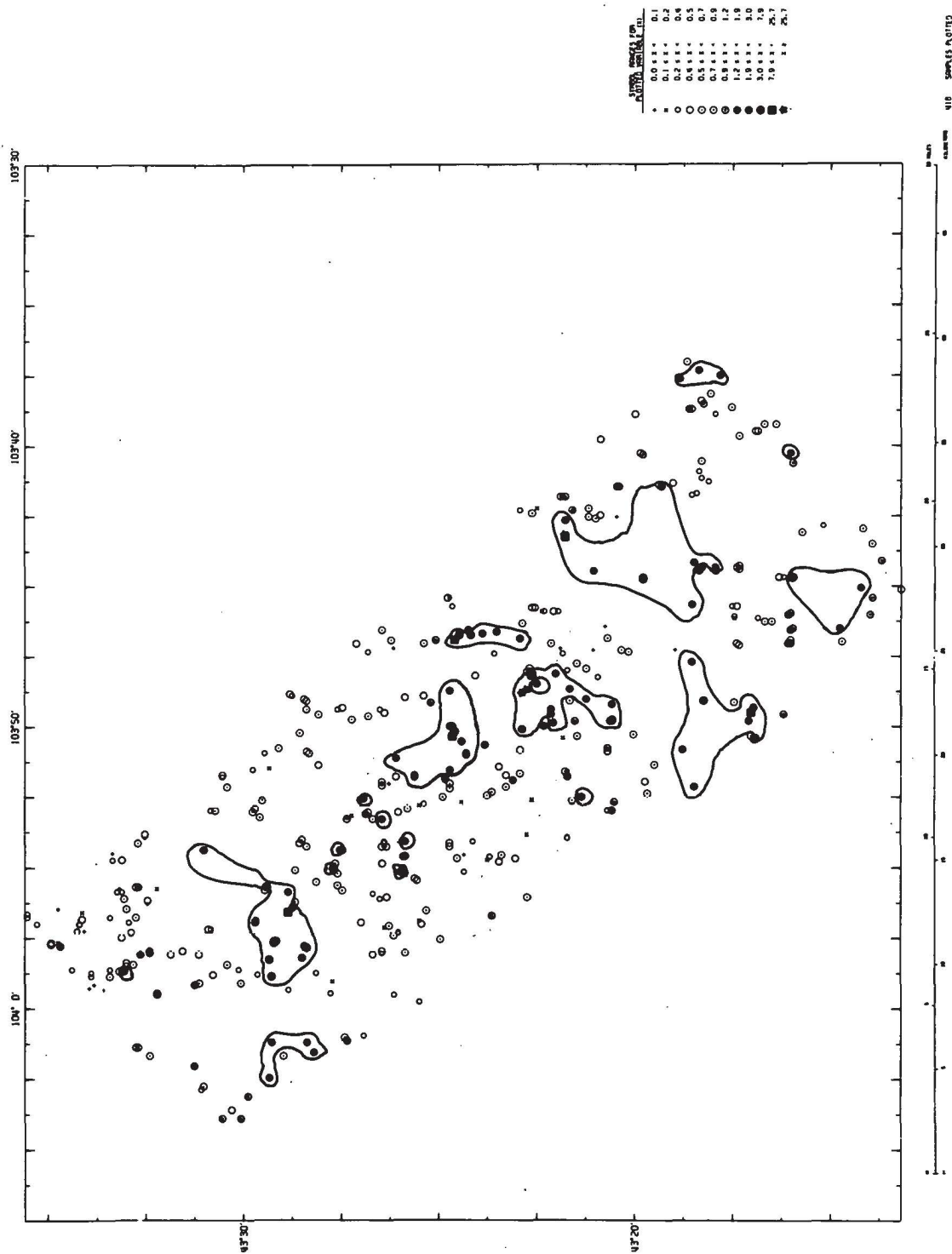


Figure B-21a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR SELENIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

B-53



B-54

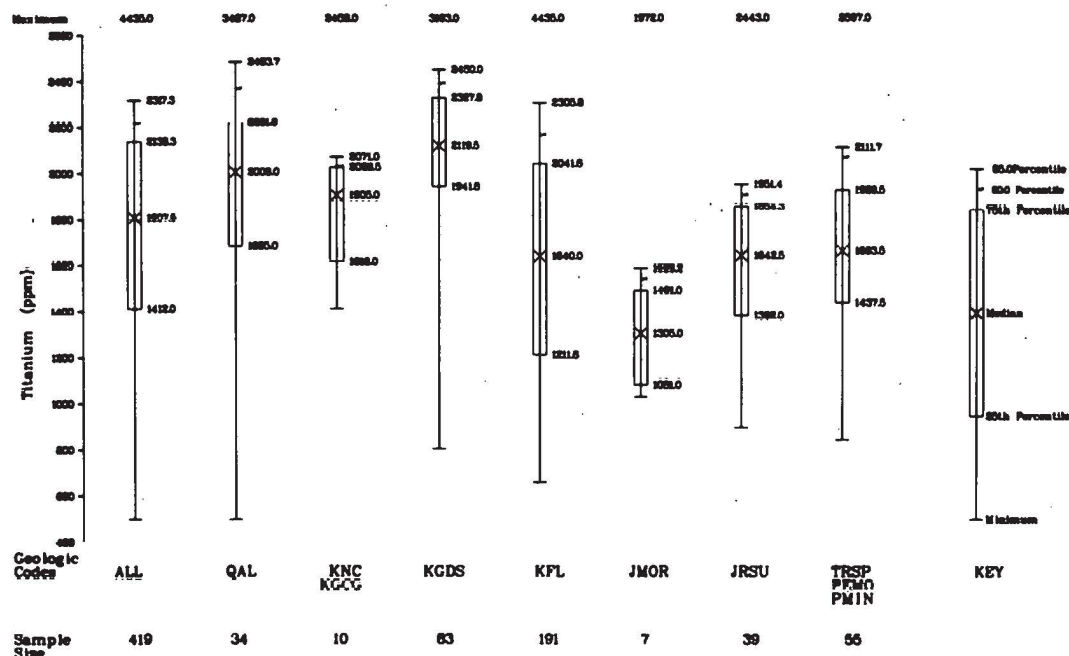
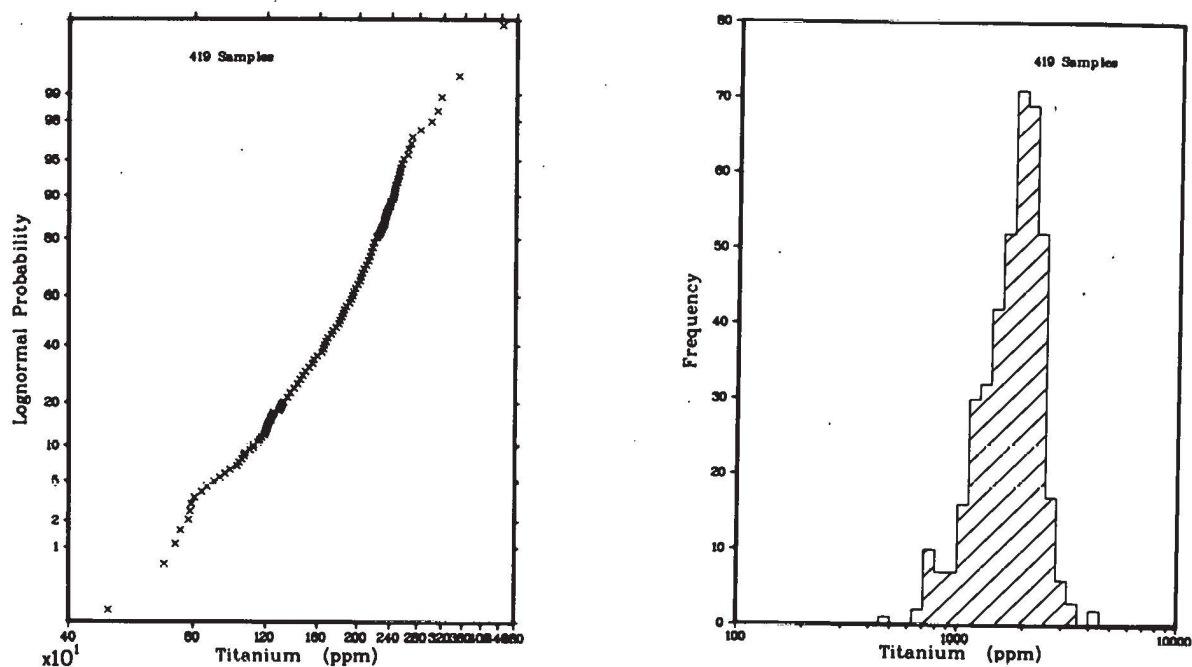


Figure B-22a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR TITANIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

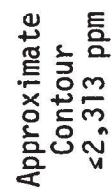


Figure B-22b

GEOCHEMICAL DISTRIBUTION OF TITANIUM (PPM) IN STREAM SEDIMENT OF THE EDMONTON DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

B-56

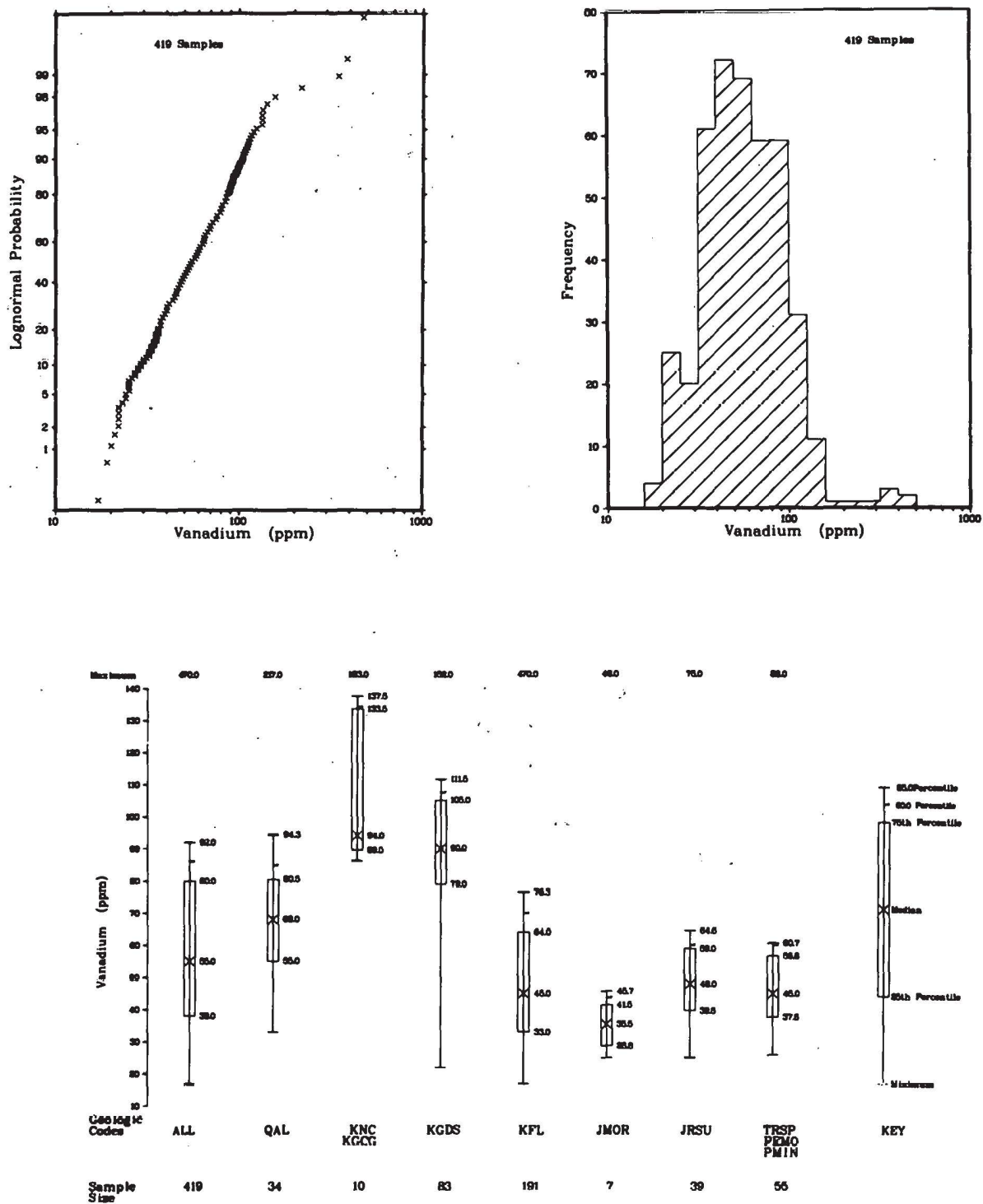
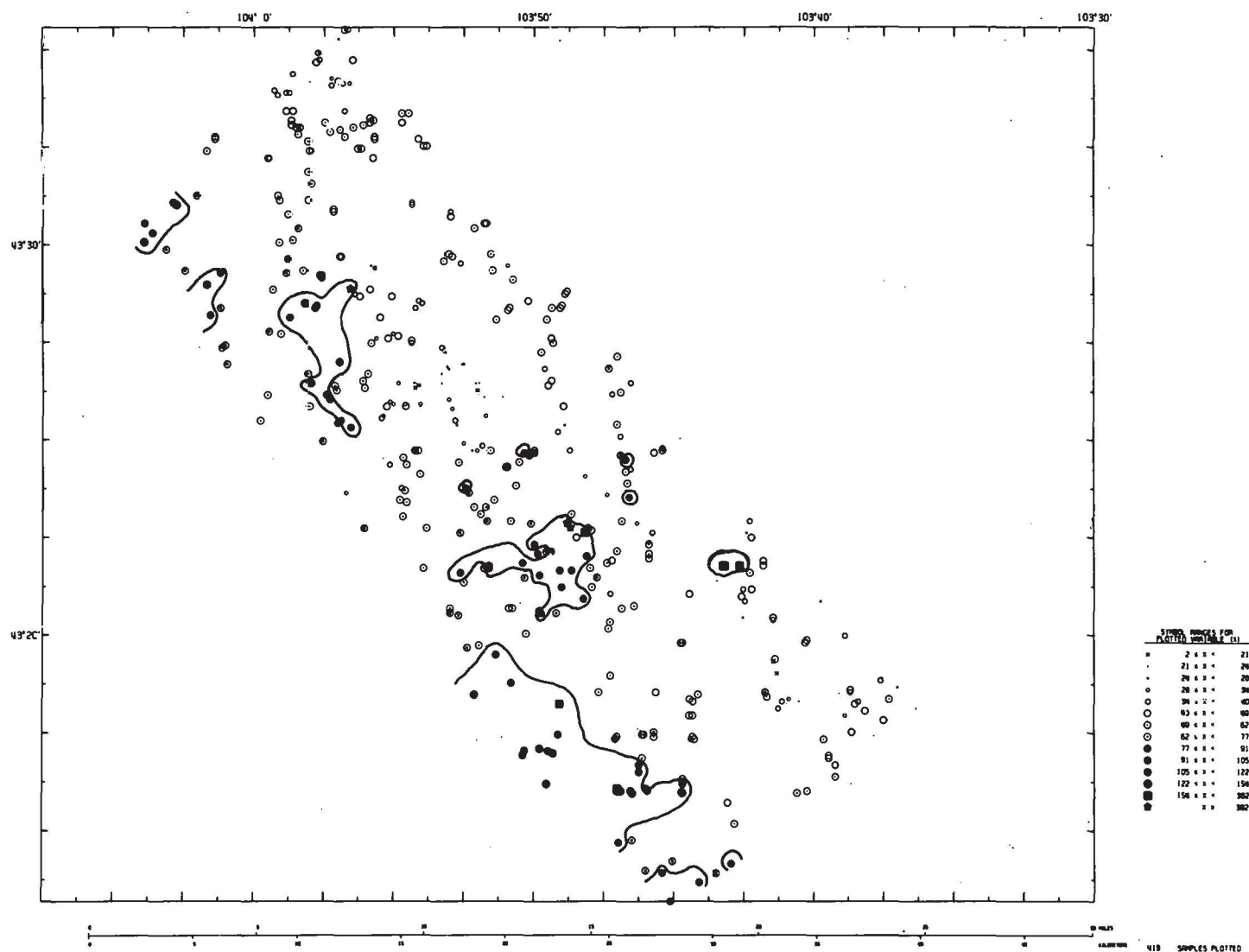


Figure B-23a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR VANADIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-58

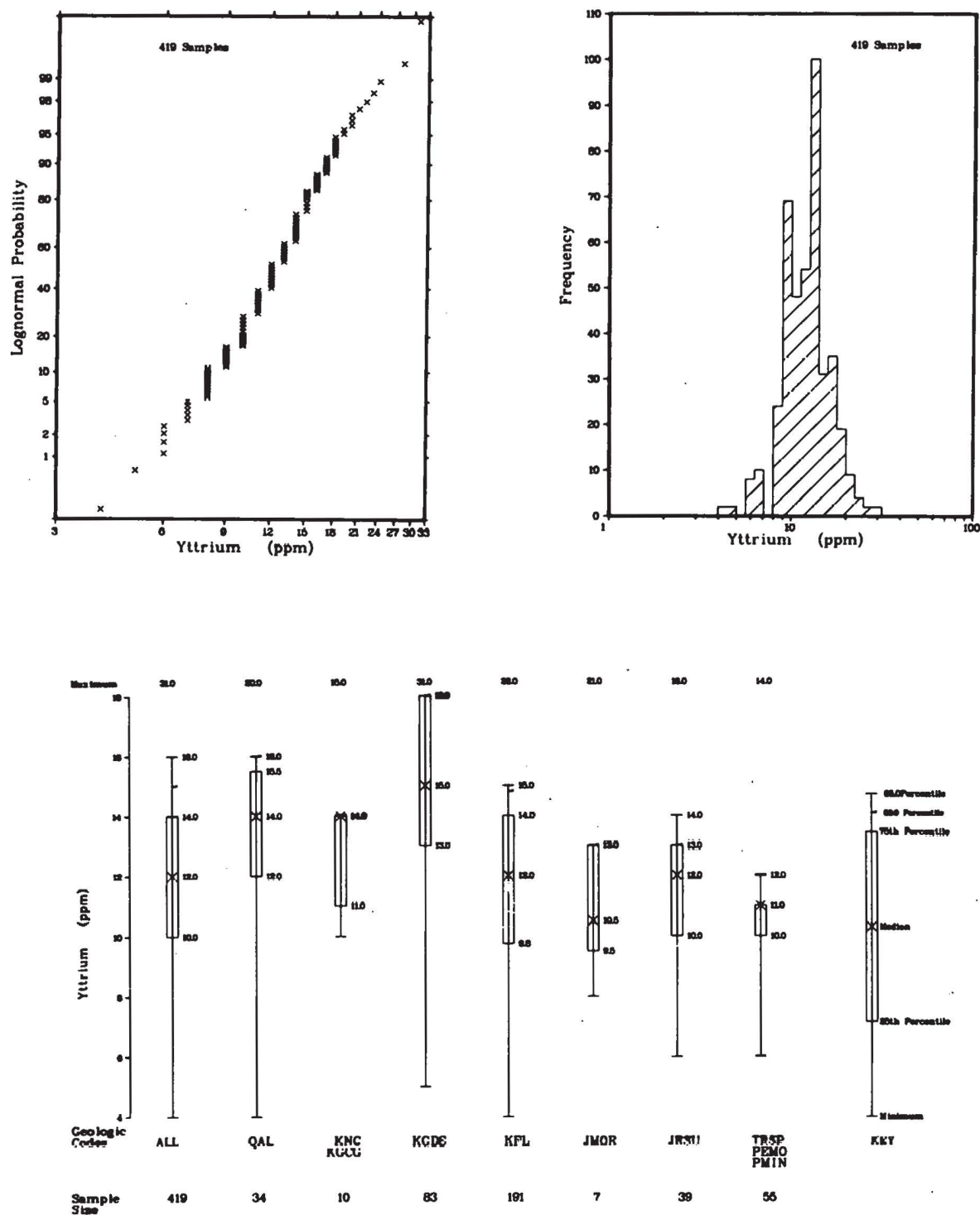
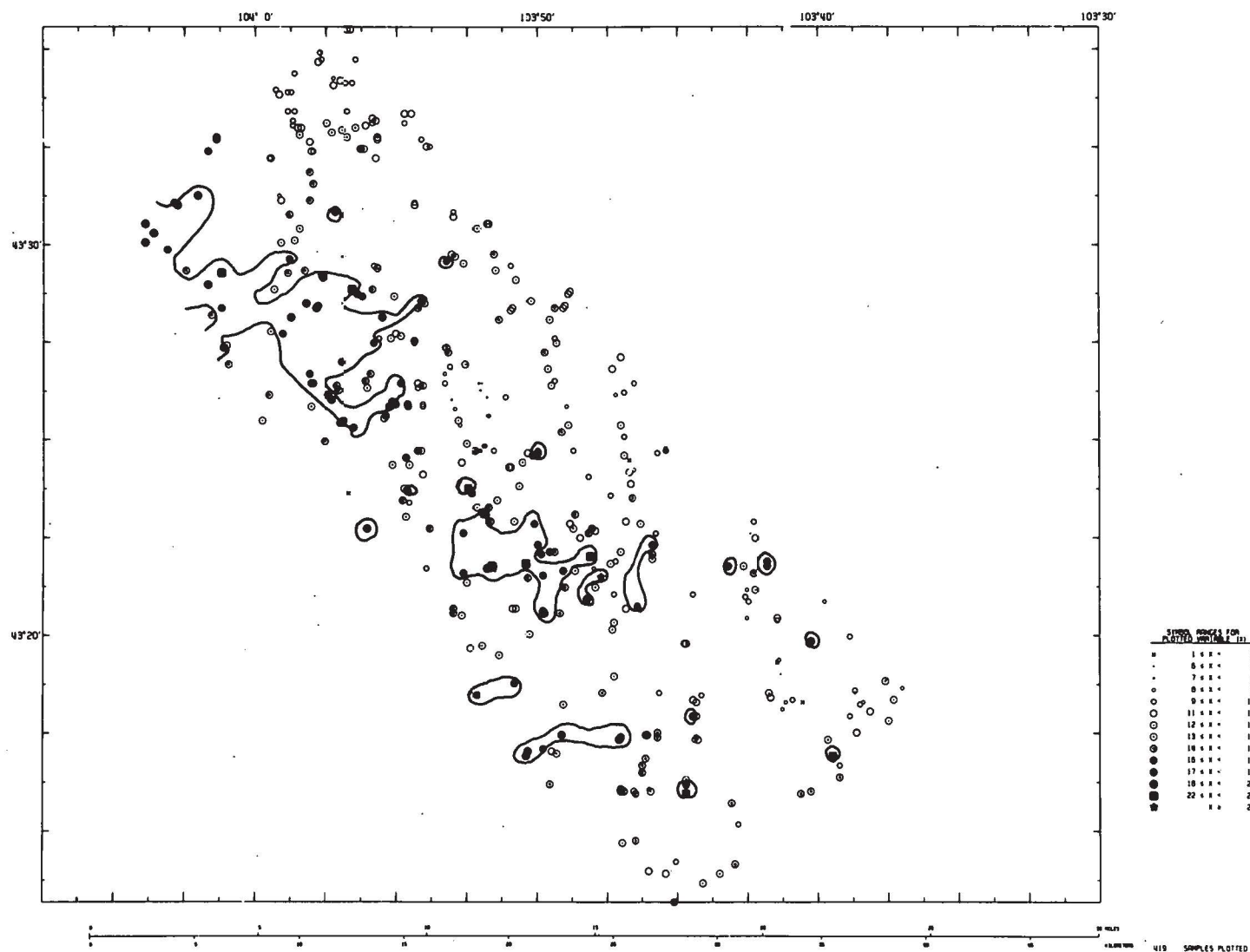


Figure B-24a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR YTTRIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONTON DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-60

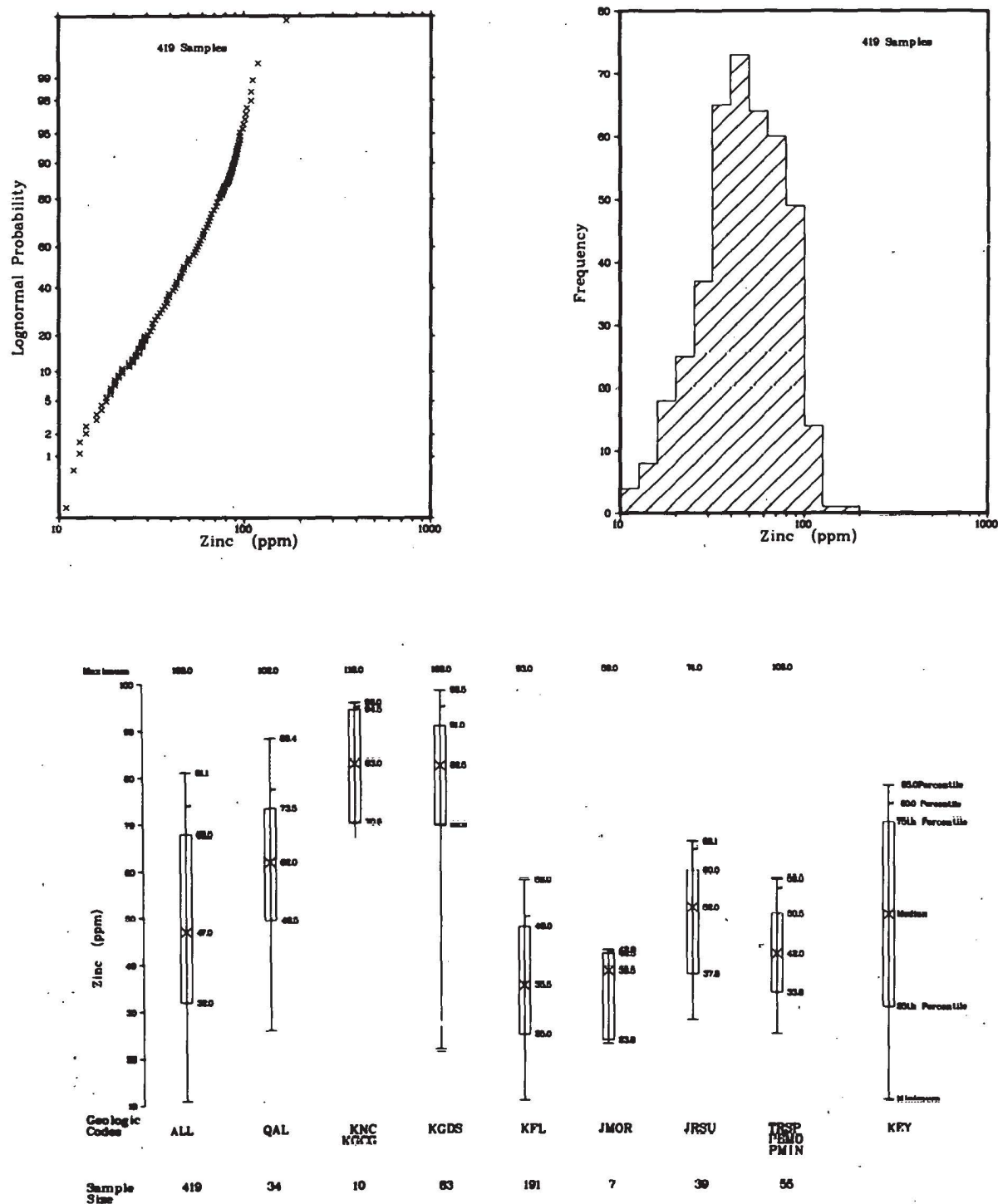
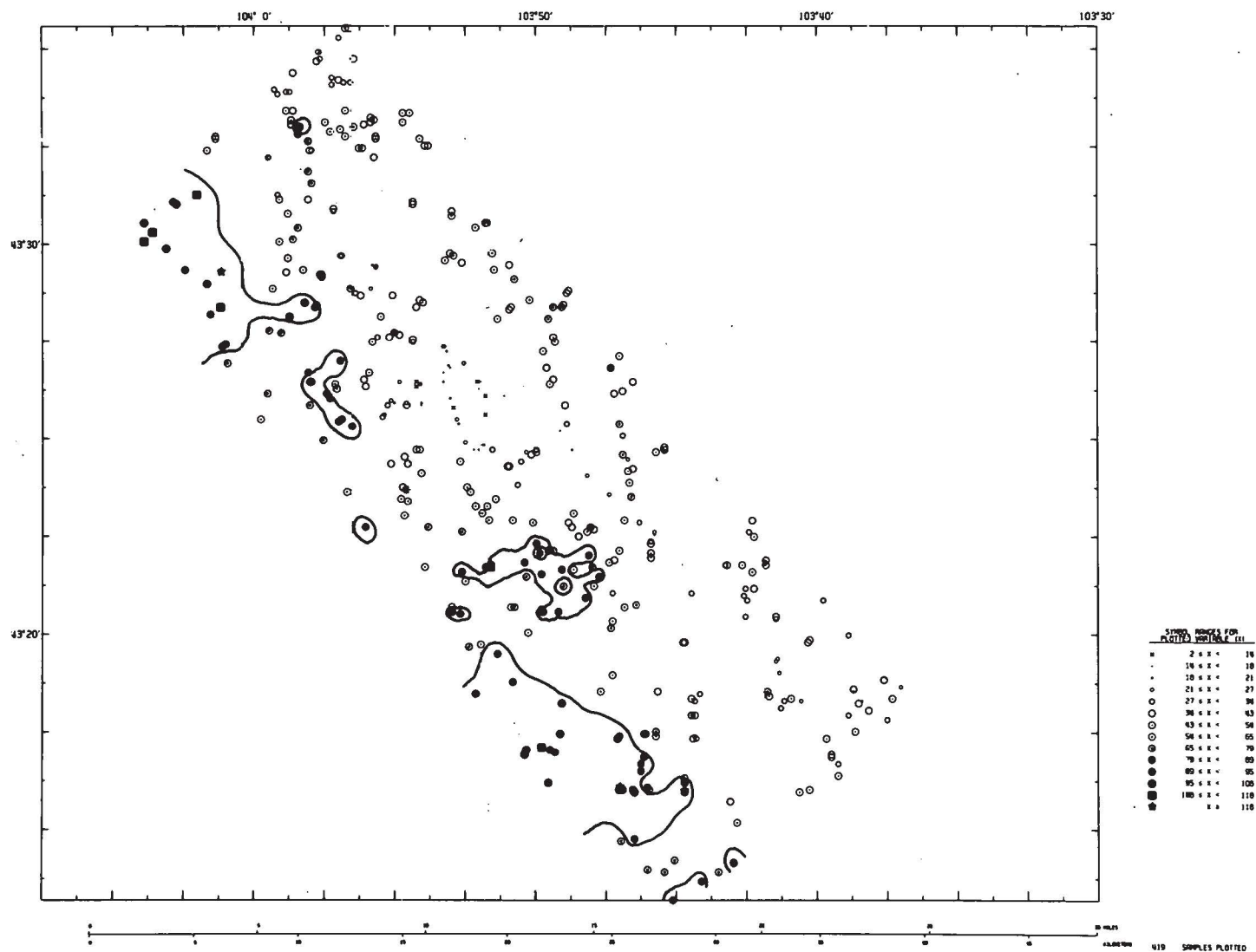


Figure B-25a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR ZINC (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING



B-62

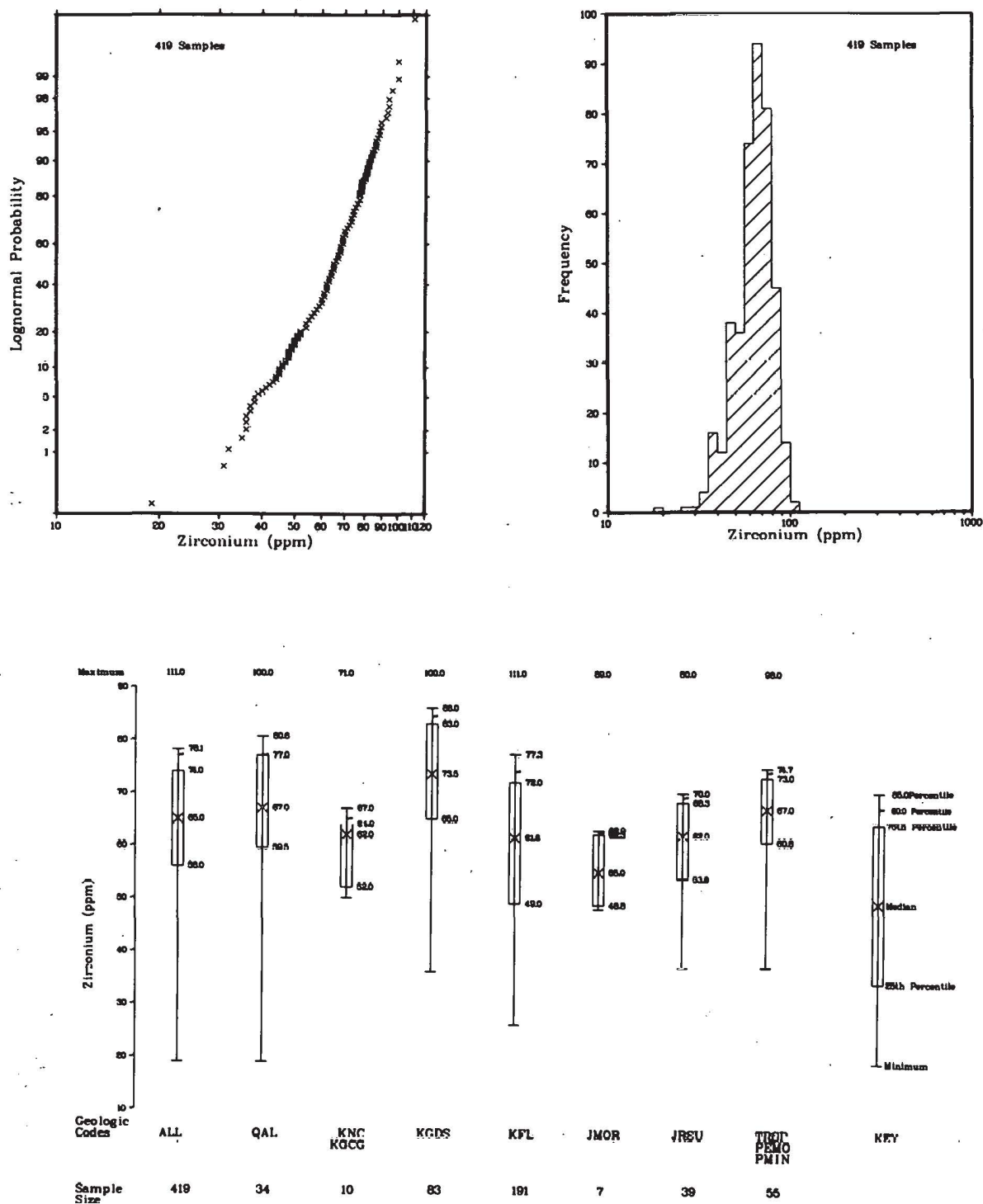


Figure B-26a

PROBABILITY, FREQUENCY, AND PERCENTILE PLOTS FOR ZIRCONIUM (PPM)
IN STREAM SEDIMENT OF THE EDMONT DETAILED GEOCHEMICAL SURVEY, SOUTH DAKOTA; WYOMING

