

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix B6

**Building 10 Perimeter and Building 10 Alleged
Zirc Burning Area**

Massachusetts Grid System Reference Coordinates



E. OTIS DYER

368 FAIRVIEW AVENUE

BOX 5

REHOBOTH, MASS. 02769

Telephone: (508) 252-4363

*Registered Professional Engineer and Land Surveyor
in Massachusetts, Rhode Island and North Carolina*

MARCH 28, 1995

TEXAS INSTRUMENTS, INC.

IN ATTLEBORO, MASSACHUSETTS

BUILDING 10 GRID

ON MASSACHUSETTS GRID COORDINATES

IN METERS

IN FEET

120S, 120 E	345, 285.40, 663, 316.79
60 S, 120 E	345, 430.32, 663, 183.55
0S, 120E	345, 575.24, 663, 050.31
60N, 120E	345, 720.16, 662, 917.07
120N, 120E	345, 865.07, 662, 783.83
180N, 120E	346, 009.99, 662, 650.59

120 S, 150E	345, 352.02, 663, 389.25
60 S, 150E	345, 496.94, 663, 256.01
0N, 150E	345, 641.86, 663, 122.77
60N, 150E	345, 786.77, 662, 989.53
120 N, 150 E	345, 931.69, 662, 856.29
180 N, 150E	346, 076.61, 662, 723.05

120 S, 180 E	345, 418.64, 663, 461.70
60 S, 180 E	345, 563.56, 663, 328.47
0N, 180 E	345, 708.48, 663, 195.23
60N, 180 E	345, 853.39, 663, 061.99
120N, 180E	345, 998.31, 662, 928.75
180 N, 180 E	346, 143.23, 662, 795.51

T.I
BUILDING 10 GRID
PAGE 2 OF 2

IN METERS

IN FEET

120 S, 210 E	345, 485.26, 663, 534.16
60 S, 210 E	345, 630.17, 663, 400.92
0N, 240 E	345, 775.10, 663, 267.68
60N, 210 E	345, 920.01, 663, 134.44
120 N, 210 E	346, 064.93, 663, 001.20
180 N, 210 E	346, 209.84, 662, 867.96

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

Appendix C: Building 12 South Lawn, North and West Side, and Building 11 Drainage Ditch

- C1 Sub-Surface Soil Sampling Data**
- C2 Drawing CPS-TI-0103A Sub Surface soil Sample Locations
Building 12 South Lawn and Building 11 Drainage Ditch**
- C3 Drawing CPS-TI-0103B Sub Surface soil Sample Locations
Concentrated Sampling area within the Building 12 South Lawn**
- C4 Drawing CPS-TI-0103C Sub Surface soil Sample Locations
Building 12 North and West Sides**
- C5 Drawing CPS-TI-0103H Grid Cell Averages and Maximum Depths**
- C6 Bore Hole Measurements and Static Measurements**
- C7 Grid Cell Averages**
- C8 Massachusetts Grid System Reference Coordinates**

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C2

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

**Drawing CPS-TI-0103A Sub Surface Soil Sample Locations
Building 12 South Lawn and Building 11 Drainage Ditch**

No map
in envelope

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C3

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

**Drawing CPS-TI-0103B Sub Surface Soil Sample Locations
Concentrated Sampling Area within the Building 12 South Lawn**

DOCUMENT PAGE(S) PULLED

SEE APERTURE CARD FILES

APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

NUMBER OF OVERSIZE PAGES FILMED ON APERTURE CARD(S) 1

ACCESSION NUMBERS OF OVERSIZE PAGES:

9709160168-17

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C4

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

**Drawing CPS-TI-0103C Sub Surface Soil Sample Locations
Building 12 North and West Sides**

DOCUMENT PAGE(S) PULLED

SEE APERTURE CARD FILES

APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

NUMBER OF OVERSIZE PAGES FILMED ON APERTURE CARD(S) 1

ACCESSION NUMBERS OF OVERSIZE PAGES:

9709160168-18

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C5

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

**Drawing CPS-TI-0103H Grid Cell Averages and Maximum Depths for
Building12**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

ACCESSION NUMBERS OF OVERSIZE PAGES:

9709160168-19

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C6

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

Bore Hole Measurements and Static Measurements

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
30		300		1'	9000
				2'	9000
				3'	8000
30		310		1'	10,000
				2'	9000
				3'	9000
40		300		1'	9000
				2'	10,000
				3'	10,000
40		310		1'	10,000
				2'	9000
				3'	9000
35		305		1'	9000
				2'	11,000
				3'	11,000
45		305		1'	11,000
				2'	10,000
				3'	10,000
55		305		1'	10,000
				2'	10,000
				3'	10,000
65		305		1'	10,000
				2'	9000
				3'	9000
75		305		1'	9000
				2'	8000
				3'	8000
85		305		1'	10,000
				2'	9000
				3'	9000
95		305		1'	11,000
				2'	10,000
				3'	R

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
105		305		1'	10,000
				2'	9000
				3'	9000
115		305		1'	10,000
				2'	10,000
				3'	9000
125		305		1'	9000
				2'	9000
				3'	9000
35		295		1'	8000
				2'	9000
				3'	12,000
45		295		1'	10,000
				2'	10,000
				3'	9000
55		295		1'	10,000
				2'	10,000
				3'	9000
50		300		1'	10,000
				2'	10,000
				3'	10,000
65		295		1'	9000
				2'	10,000
				3'	10,000
50		310		1'	9000
				2'	10,000
				3'	10,000
60		300		1'	10,000
				2'	9000
				3'	9000
75		295		1'	9000
				2'	10,000
				3'	10,000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
60		310		1'	9000
				2'	9000
				3'	9000
85		295		1'	10,000
				2'	11,000
				3'	13,000
70		310		1'	10,000
				2'	10,000
				3'	11,000
95		295		1'	10,000
				2'	9000
				3'	9000
70		300		1'	9000
				2'	10,000
				3'	10,000
105		295		1'	10,000
				2'	10,000
				3'	10,000
80		300		1'	10,000
				2'	10,500
				3'	11,000
80		310		1'	10,000
				2'	10,000
				3'	11,000
115		295		1'	9000
				2'	9000
				3'	10,000
90		310		1'	9000
				2'	9000
				3'	9000
125		295		1'	10,000
				2'	10,000
				3'	10,000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
90		300		1'	9000
				2'	9500
				3'	9500
130		300		1'	9000
				2'	9000
				3'	9000
100		310		1'	9000
				2'	9000
				3'	9000
100		300		1'	10,000
				2'	10,000
				3'	10,000
130		310		1'	10,000
				2'	9000
				3'	9000
110		300		1'	9000
				2'	9000
				3'	9000
110		310		1'	10,000
				2'	9000
				3'	9000
125		285		1'	10,000
				2'	10,000
				3'	H2O
120		310		1'	10,000
				2'	9000
				3'	9000
115		285		1'	8000
				2'	H2O
				3'	H2O
120		300		1'	9000
				2'	9000
				3'	9000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
130		290		1'	9000
				2'	9000
				3'	9000
105		285		1'	10,000
				2'	10,000
				3'	10,000
120		280		1'	9000
				2'	9000
				3'	9000
120		290		1'	10,000
				2'	9000
				3'	9000
95		285		1'	4000
				2'	3900
				3'	3900
85		285		1'	3900
				2'	3800
				3'	3800
75		285		1'	4000
				2'	3900
				3'	3800
65		285		1'	4000
				2'	3800
				3'	3700
130		280		1'	3500
				2'	CAVED IN
				3'	"
130		270		1'	3700
				2'	3700
				3'	3900
120		270		1'	4000
				2'	4500
				3'	6000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
55		285		1'	3900
				2'	3800
				3'	3600
110		280		1'	5900
				2'	5500
				3'	4900
45		285		1'	3800
				2'	4200
				3'	4400
110		270		1'	6000
				2'	6000
				3'	6500
35		285		1'	4000
				2'	4100
				3'	4200
30		290		1'	4000
				2'	4200
				3'	4300
100		280		1'	5500
				2'	5500
				3'	5500
100		270		1'	4800
				2'	5000
				3'	4700
40		290		1'	3800
				2'	3800
				3'	4000
90		280		1'	3900
				2'	3800
				3'	3800
90		270		1'	3500
				2'	3600
				3'	3800

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
80		280		1'	3600
				2'	3500
				3'	3500
80		270		1'	3200
				2'	3300
				3'	3300
50		290		1'	4200
				2'	4200
				3'	4100
70		270		1'	3500
				2'	3500
				3'	3500
60		290		1'	3900
				2'	4000
				3'	4100
70		280		1'	3800
				2'	3800
				3'	4000
60		270		1'	3900
				2'	4300
				3'	4500
70		290		1'	3700
				2'	3700
				3'	3700
60		280		1'	3800
				2'	4100
				3'	4300
80		290		1'	4000
				2'	4000
				3'	4000
50		270		1'	4000
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
50		280		1'	4200
				2'	4200
				3'	4000
90		290		1'	4000
				2'	3900
				3'	3900
110		290		1'	3900
				2'	3900
				3'	3900
40		270		1'	4100
				2'	4300
				3'	4500
30		280		1'	3900
				2'	3900
				3'	4000
45		275		1'	4100
				2'	4300
				3'	4300
35		275		1'	3800
				2'	3900
				3'	3900
30		270		1'	3800
				2'	3800
				3'	3900
40		280		1'	4000
				2'	4200
				3'	4400
55		275		1'	3900
				2'	3900
				3'	3800
130		260		1'	3700
				2'	3800
				3'	3800

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
125		275		1'	3900
				2'	3900
				3'	3800
115		265		1'	5000
				2'	5000
				3'	4500
120		260		1'	4100
				2'	4000
				3'	4000
115		275		1'	4500
				2'	4500
				3'	4800
110		260		1'	5000
				2'	4800
				3'	4700
105		265		1'	4500
				2'	4700
				3'	4800
105		275		1'	6000
				2'	5500
				3'	4800
100		260		1'	3800
				2'	3800
				3'	3800
95		265		1'	3700
				2'	3700
				3'	3500
95		275		1'	3800
				2'	3600
				3'	3400
85		275		1'	3700
				2'	3700
				3'	3500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
85		265		1'	3900
				2'	4000
				3'	3800
90		260		1'	3300
				2'	3100
				3'	3100
75		265		1'	4000
				2'	3900
				3'	3900
80		260		1'	3600
				2'	3500
				3'	3200
75		275		1'	3800
				2'	3800
				3'	3700
70		260		1'	3700
				2'	3800
				3'	4200
65		265		1'	3900
				2'	3900
				3'	3800
65		275		1'	3900
				2'	4000
				3'	4000
60		260		1'	3500
				2'	4000
				3'	4500
55		265		1'	3800
				2'	3800
				3'	4000
125		255		1'	3800
				2'	3600
				3'	3800

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
135		255		1'	3900
				2'	3800
				3'	3800
45		265		1	4200
				2'	4000
				3'	3800
50		260		1'	3900
				2'	3900
				3'	3800
115		255		1'	4200
				2'	4300
				3'	4400
40		260		1'	4000
				2'	4400
				3'	4600
35		265		1'	3900
				2'	4000
				3'	4000
105		255		1'	6000
				2'	8000
				3'	4500
30		260		1'	4200
				2'	4200
				3'	4000
130		250		1'	3700
				2'	3700
				3'	3600
95		255		1'	3200
				2'	3300
				3'	3500
85		255		1'	3200
				2'	3200
				3'	2800

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
75		255		1'	3600
				2'	3600
				3'	3600
120		250		1'	3800
				2'	4000
				3'	4000
125		245		1'	4100
				2'	3900
				3'	3900
110		250		1'	4600
				2'	4400
				3'	4100
115		245		1'	3900
				2'	3900
				3'	3800
65		255		1'	3800
				2'	4000
				3'	4100
100		250		1'	3600
				2'	3500
				3'	3400
105		245		1'	4200
				2'	4000
				3'	3800
55		255		1'	3800
				2'	4000
				3'	4300
90		250		1'	3400
				2'	3300
				3'	3200
45		255		1'	4100
				2'	4300
				3'	4300

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
35		255		1'	4000
				2'	4200
				3'	4200
80		250		1'	3500
				2'	3500
				3'	3500
95		245		1'	4000
				2'	4800
				3'	R
75		245		1'	3800
				2'	3900
				3'	4100
85		245		1'	3900
				2'	3900
				3'	4200
110		240		1'	4200
				2'	4100
				3'	3900
130		240		1'	3600
				2'	3400
				3'	R
70		250		1'	3800
				2'	3900
				3'	4000
60		250		1'	3600
				2'	4300
				3'	6000
120		240		1'	3800
				2'	3900
				3'	4100
50		250		1'	3800
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
65		245		1'	3900
				2'	3900
				3'	5800
100		240		1'	4000
				2'	4000
				3'	3700
90		240		1'	4000
				2'	4000
				3'	3800
45		245		1'	3700
				2'	4700
				3'	5000
40		250		1'	3800
				2'	3900
				3'	4000
30		250		1'	3900
				2'	3900
				3'	H2O
35		245		1'	3800
				2'	4100
				3'	4100
80		240		1'	3500
				2'	3400
				3'	3300
135		235		1'	3800
				2'	4000
				3'	3700
125		235		1'	4200
				2'	4000
				3'	3600
70		240		1'	4000
				2'	4500
				3'	4800

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
140		226		1'	3800
				2'	4000
				3'	4000
115		235		1'	3800
				2'	4000
				3'	4200
60		240		1'	4200
				2'	4800
				3'	5000
50		240		1'	4100
				2'	4000
				3'	4000
130		226		1'	3800
				2'	4000
				3'	4000
40		240		1'	3900
				2'	4000
				3'	4000
105		235		1'	3300
				2'	R
				3'	R
110		230		1'	3600
				2'	3700
				3'	3800
95		235		1'	3600
				2'	3800
				3'	4000
85		235		1'	3500
				2'	3500
				3'	3600
30		240		1'	3900
				2'	3900
				3'	3800

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
100		230		1'	3700
				2'	3900
				3'	3900
75		235		1'	3600
				2'	3800
				3'	4000
90		230		1'	3700
				2'	3700
				3'	3200
145		225		1'	400
				2'	3900
				3'	3800
80		230		1'	3800
				2'	3800
				3'	3700
115		225		1'	3900
				2'	3900
				3'	4000
65		235		1'	3900
				2'	4500
				3'	6500
70		230		1'	4000
				2'	4300
				3'	4800
55		235		1'	4000
				2'	4500
				3'	5000
105		225		1'	5000
				2'	7000
				3'	4000
60		230		1'	4800
				2'	5600
				3'	6000

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
45		235		1'	3700
				2'	3800
				3'	4200
95		225		1'	3800
				2'	3800
				3'	3400
85		235		1'	3800
				2'	3800
				3'	3700
25		235		1'	3900
				2'	3800
				3'	3800
50		230		1'	3800
				2'	3800
				3'	3700
50		220		1'	3800
				2'	4000
				3'	4100
75		225		1'	3600
				2'	3500
				3'	3400
40		230		1'	3700
				2'	3600
				3'	3300
65		225		1'	5000
				2'	6000
				3'	6500
40		220		1'	4200
				2'	4300
				3'	4700
30		230		1'	4000
				2'	4200
				3'	4600

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
55		225		1'	3900
				2'	3900
				3'	4000
45		225		1'	40000
				2'	4200
				3'	4300
40		210		1'	3700
				2'	3700
				3'	3600
90		220		1'	3700
				2'	3700
				3'	3400
30		210		1'	4000
				2'	4200
				3'	4500
45		215		1'	3700
				2'	3700
				3'	4000
35		225		1'	3800
				2'	4200
				3'	4500
100		220		1'	3700
				2'	3900
				3'	4000
135		215		1'	4000
				2'	4000
				3'	3800
110		210		1'	4100
				2'	4400
				3'	7000
125		215		1'	3800
				2'	4000
				3'	4100

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
110		220		1'	3800
				2'	4200
				3'	4300
105		205		1'	4300
				2'	4700
				3'	4800
115		215		1'	4000
				2'	3900
				3'	3900
145		215		1'	4000
				2'	3900
				3'	3800
105		195		1'	4200
				2'	4500
				3'	5500
120		220		1'	4000
				2'	4200
				3'	3900
105		185		1'	3900
				2'	3900
				3'	3700
105		175		1'	3800
				2'	3900
				3'	3900
105		215		1'	4000
				2'	3900
				3'	3800
130		22		1'	3600
				2'	3700
				3'	3900
35		215		1'	3700
				2'	3700
				3'	R

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
140		220		1'	3900
				2'	3800
				3'	3800
105		165		1'	3900
				2'	3900
				3'	3800
90		210		1'	4100
				2'	4100
				3'	4000
95		205		1'	4000
				2'	4300
				3'	4500
110		180		1'	3700
				2'	3600
				3'	3500
90		200		1'	4100
				2'	4000
				3'	3500
110		170		1'	3800
				2'	3800
				3'	3600
95		195		1'	4000
				2'	4500
				3'	6000
90		190		1'	4200
				2'	4400
				3'	4600
110		160		1'	3700
				2'	3600
				3'	3600
90		180		1'	3900
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
95		185		1'	3800
				2'	4100
				3'	3500
110		150		1'	3500
				2'	3500
				3'	3500
105		155		1'	4000
				2'	4000
				3'	4600
90		160		1'	3900
				2'	3800
				3'	3800
95		165		1'	4000
				2'	3900
				3'	3800
100		140		1'	4500
				2'	9000
				3'	8000
95		155		1'	5000
				2'	11,000
				3'	7000
90		150		1'	5000
				2'	7500
				3'	7000
100		150		1'	7000
				2	9000
				3'	7000
95		175		1'	4200
				2'	4000
				3'	4000
100		210		1'	3800
				2'	3800
				3'	R

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
100		160		1'	6000
				2'	7000
				3'	8000
100		200		1'	4000
				2'	4200
				3'	3800
85		155		1'	4000
				2'	4200
				3'	4300
100		170		1'	4000
				2'	3900
				3'	3900
85		165		1'	3800
				2'	3900
				3'	3900
100		190		1'	4000
				2'	4100
				3'	4200
100		180		1'	4000
				2'	3900
				3'	3500
85		185		1'	3800
				2'	4000
				3'	3800
85		175		1'	3800
				2'	4000
				3'	3800
76		150		1'	2700
				2'	3200
				3'	4000
105		145		1'	3600
				2'	3600
				3'	3500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
95		145		1'	500
				2'	7000
				3'	9000
90		140		1'	4000
				2'	5000
				3'	6000
76		160		1'	3700
				2'	3700
				3'	4000
85		145		1'	3800
				2'	3900
				3'	4000
76		170		1'	3600
				2'	3700
				3'	3700
76		176		1'	3600
				2'	3800
				3'	4000
76		180		1'	3800
				2	3900
				3'	4000
76		185		1'	3900
				2'	3900
				3'	4000
76		190		1'	4200
				2'	4300
				3'	4300
70		160		1'	4200
				2'	4000
				3'	4000
70		170		1'	4000
				2'	4000
				3'	3900

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
73		180		1'	3800
				2'	3900
				3'	4100
73		175		1'	3800
				2'	3800
				3'	4000
73		165		1'	3900
				2'	3900
				3'	4100
73		155		1'	3800
				2'	3800
				3'	4000
70		165		1'	4100
				2'	4100
				3'	4000
70		170		1'	4100
				2'	4000
				3'	4000
70		180		1'	4000
				2'	4000
				3	4100
70		190		1'	4100
				2'	4000
				3	4000
B12-264	SEE AIELINE	DEBRIS HILL	FILE (ald)	1'	
				2'	
				3'	
B12-265	SEE AIELINE	DEBRIS HILL	FILE (ald)	1'	
				2'	
				3'	
164		200		1'	4200
				2'	4800
				3'	5500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
180		200		1'	3900
				2'	3900
				3'	R
164		195		1'	3800
				2'	4000
				3'	4400
164		190		1'	4400
				2'	7300
				3'	7000
180		190		1'	3900
				2'	4000
				3'	4300
164		185		1'	3400
				2'	3400
				3	3200
180		180		1'	3700
				2'	R
				3'	R
164		180		1'	4000
				2'	4300
				3	4500
175		195		1'	3400
				2'	3700
				3'	3800
175		190		1'	3500
				2'	3900
				3'	4100
167		180		1'	3900
				2'	3700
				3'	3500
175		185		1'	3800
				2'	4100
				3'	4200

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
167		185		1'	3600
				2'	3700
				3'	3500
175		180		1'	4200
				2'	R
				3'	R
167		190		1'	4100
				2'	5000
				3'	6500
170		185		1'	3600
				2'	3600
				3'	3100
167		195		1'	4000
				2'	6000
				3'	10,000
170		180		1'	3900
				2'	3700
				3'	R
179		200		1'	3700
				2'	5000
				3'	6000
170		195		1'	3700
				2'	4800
				3'	5500
170		190		1'	3700
				2'	6000
				3'	12,000
B12-287	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-288	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
135		265		1'	3800
				2'	3800
				3'	4000
135		275		1'	3700
				2'	3700
				3'	3800
B12-292	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-291	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-293	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-294	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-295	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
125		180		1'	3300
				2'	3400
				3'	3600
115		165		1'	3800
				2'	3900
				3'	4300
125		175		1'	3300
				2'	R
				3'	R
120		180		1'	3900
				2'	4100
				3'	4300

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
125		170		1'	4200
				2'	4300
				3'	4500
125		160		1'	3500
				2'	R
				3'	R
120		170		1'	3500
				2'	3900
				3'	3900
120		160		1'	4500
				2'	R
				3'	R
120		190		1'	4000
				2'	4100
				3'	4000
125		165		1'	3900
				2'	4200
				3'	4300
B12-306	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-306	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-308	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-313	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-312	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
B12-315	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
B12-316	SEE AIRLINE	DERIS HILL	FILE (adl)	1'	
				2'	
				3'	
30		320		1'	5000
				2'	4700
				3'	5000
40		320		1'	4400
				2'	4200
				3'	4200
50		320		1'	3800
				2'	4000
				3'	4200
60		320		1'	4100
				2'	4200
				3'	4500
70		320		1'	4200
				2'	4400
				3'	4400
80		320		1'	4100
				2'	4200
				3'	4500
90		320		1'	4000
				2'	4200
				3'	4400
100		320		1'	3800
				2'	3900
				3'	R
110		320		1'	3800
				2'	4000
				3'	4100

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
120		320		1'	4100
				2'	4100
				3'	4700
130		320		1'	3900
				2'	4100
				3'	4100
130		330		1'	4100
				2'	4200
				3'	4200
120		330		1'	4100
				2'	4200
				3'	4500
110		330		1'	4200
				2'	4300
				3'	4400
100		330		1'	4100
				2'	4200
				3'	4500
90		330		1'	4500
				2'	5000
				3'	6000
80		330		1'	4400
				2'	5000
				3'	5000
70		330		1'	3500
				2'	3700
				3'	4000
60		330		1'	4100
				2'	4200
				3'	4200
125		325		1'	4100
				2'	3900
				3'	4300

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
115		325		1'	3900
				2'	4200
				3'	4600
105		325		1'	4200
				2'	4400
				3'	4600
95		325		1'	3900
				2'	4100
				3'	4300
50		330		1'	4000
				2'	4200
				3'	4500
85		325		1'	4000
				2'	4000
				3'	3900
40		330		1'	4000
				2'	4200
				3'	4200
75		325		1'	4100
				2'	4200
				3'	4000
30		330		1'	4700
				2'	5500
				3'	6000
65		325		1'	3900
				2'	4100
				3'	4200
30		340		1'	5000
				2'	5500
				3'	6000
40		340		1'	4000
				2'	4200
				3'	5000
55		325		1'	3900
				2'	4100
				3'	4200

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
45		325		1'	4000
				2'	4100
				3'	4200
50		340		1'	4300
				2'	5000
				3'	5000
60		340		1'	3600
				2'	3700
				3'	3900
35		325		1'	4200
				2'	4500
				3'	5000
70		340		1'	4800
				2'	4900
				3'	4900
80		340		1'	4500
				2'	5000
				3'	6000
90		340		1'	4100
				2'	4300
				3'	4600
100		340		1'	4100
				2'	4200
				3'	4100
110		340		1'	4100
				2'	4300
				3'	4100
120		340		1'	3700
				2'	3900
				3'	4100
35		335		1'	4100
				2'	4400
				3'	4700

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
230		190		1'	3500
				2'	4000
				3'	4500-5000
225		205		1'	3500
				2'	4000
				3'	4000
225		215		1'	4000
				2'	4000
				3'	4000
210		190		1'	4000
				2'	4000
				3'	4000
225		225		1'	3500
				2'	4000
				3'	4000
225		235		1'	3500
				2'	3500
				3'	3500
210		235		1'	3500
				2'	3500
				3'	3500
210		200		1'	3500
				2'	4000
				3'	3500
225		345		1'	3500
				2'	4000
				3'	4000
210		210		1'	3500
				2'	3500
				3'	3500
225		255		1'	4000
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
210		220		1'	3500
				2'	3500
				3'	3500
230		250		1'	3500
				2'	3500
				3'	3500
210		230		1'	3500
				2'	4000
				3'	4000
230		240		1'	3500
				2'	4000
				3'	4000
210		240		1'	3500
				2'	3500
				3'	3500
210		250		1'	3500
				2'	3500
				3'	4000
230		230		1'	3500
				2'	3500
				3'	3500
210		260		1'	3500
				2'	3500
				3'	3500
230		220		1'	3000
				2'	3500
				3'	4000
210		270		1'	3500
				2'	3500
				3'	3500
230		210		1'	3500
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
245		255		1'	3500
				2'	4000
				3'	4000
245		245		1'	3500
				2'	4000
				3'	4000
245		185		1'	3500
				2'	4000
				3'	4000
245		235		1'	3500
				2'	4000
				3'	4000
245		195		1'	3500
				2'	4000
				3'	4000
245		225		1'	3500
				2'	4000
				3'	4000
245		205		1'	3500
				2'	4000
				3'	4000
245		215		1'	3500
				2'	4000
				3'	4500-5000
215		185		1'	3000
				2'	3500
				3'	4000
215		195		1'	3400
				2'	3800
				3'	4000
240		190		1'	4200
				2'	4400
				3'	4700

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
215		205		1'	3900
				2'	3800
				3'	3800
45		335		1'	3800
				2'	4100
				3'	4400
55		335		1'	4300
				2'	5000
				3'	5000
65		335		1'	4000
				2'	4000
				3'	3800
60		350		1'	4000
				2'	4100
				3'	4100
30		350		1'	5000
				2'	5500
				3'	5000
40		350		1'	4000
				2'	4200
				3'	4300
50		350		1'	4000
				2'	4200
				3'	4300
75		335		1'	3800
				2'	4000
				3'	4100
105		335		1'	4100
				2'	4200
				3'	4300
100		350		1'	4100
				2'	4200
				3'	4200

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
115		335		1'	4000
				2'	4200
				3'	4700
70		350		1'	3900
				2'	5000
				3'	6000
90		350		1'	4700
				2'	5000
				3'	5500
85		335		1'	4600
				2'	5000
				3'	5000
80		350		1'	4000
				2'	4300
				3'	4500
110		350		1'	4000
				2'	4100
				3'	4100
125		335		1'	4100
				2'	4200
				3'	4200
95		335		1'	4000
				2'	4200
				3'	4500
130		340		1'	3700
				2'	3800
				3'	4100
120		350		1'	4100
				2'	4200
				3'	4400
105		345		1'	3900
				2'	4100
				3'	4300

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
115		345		1'	3800
				2'	4000
				3'	4200
115		355		1'	3800
				2'	3900
				3'	4100
125		345		1'	3700
				2'	3800
				3'	R
125		355		1'	3600
				2'	3700
				3'	3900
130		350		1'	3900
				2'	4000
				3'	4200
95		345		1'	4600
				2'	4700
				3'	4700
85		345		1'	4000
				2'	4200
				3'	4400
75		345		1'	3800
				2'	3900
				3'	4100
65		345		1'	3800
				2'	4100
				3'	4400
55		345		1'	3700
				2'	3800
				3'	4100
105		355		1'	3800
				2'	4000
				3'	4100

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
95		355		1'	3800
				2'	4000
				3'	4200
85		355		1'	3700
				2'	3900
				3'	4000
45		345		1'	3800
				2'	4000
				3'	4200
245		175		1'	3600
				2'	3800
				3'	4000
220		180		1'	3600
				2'	4000
				3'	4400
240		170		1'	3900
				2'	4000
				3'	4300
220		170		1'	3800
				2'	4000
				3'	4300
240		180		1'	4000
				2'	4000
				3'	4200
220		160		1'	3600
				2'	3800
				3'	4000
220		150		1'	3800
				2'	4000
				3'	4200
240		160		1'	3900
				2'	3900
				3'	4200

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
220		140		1'	3900
				2'	4200
				3'	4500
235		155		1'	3700
				2'	4100
				3'	4300
220		130		1'	3500
				2'	3800
				3'	4000
235		165		1'	3800
				2'	3800
				3'	4000
220		120		1'	3500
				2'	4000
				3'	4500
235		175		1'	3500
				2'	4000
				3'	4000
245		165		1'	3800
				2'	3800
				3'	4000
235		165		1'	3800
				2'	3800
				3'	4000
220		120		1'	3500
				2'	4000
				3'	4500
235		175		1'	3500
				2'	4000
				3'	4000
220		110		1'	4100
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
230		180		1'	3800
				2'	3900
				3'	4300
215		175		1'	4000
				2'	4000
				3'	4500
230		170		1'	3900
				2'	4200
				3'	4300
215		165		1'	4000
				2'	4500
				3'	4500
230		160		1'	3800
				2'	4100
				3'	4500
215		155		1'	4400
				2'	4500
				3'	4000
230		150		1'	3500
				2'	4000
				3'	4500
215		145		1'	3800
				2'	4000
				3'	4500
210		180		1'	3800
				2'	4100
				3'	4400
215		135		1'	4500
				2'	4000
				3'	4000
210		170		1'	3900
				2'	4200
				3'	4600

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
215		125		1'	4000
				2'	4000
				3'	4500
210		160		1'	3800
				2'	4700
				3'	4500
215		115		1'	4100
				2'	4200
				3'	4500
210		150		1'	3900
				2'	4200
				3'	4400
210		120		1'	3800
				2'	4500
				3'	4600
205		175		1'	3700
				2'	4000
				3'	4300
210		130		1'	3600
				2'	3800
				3'	4100
205		165		1'	4800
				2'	4400
				3'	3900
210		140		1'	3900
				2'	4000
				3'	4100
205		155		1'	4500
				2'	5000
				3'	4100
200		180		1'	3900
				2'	4200
				3'	4700

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
205		145		1'	4500
				2'	4800
				3'	4200
200		190		1'	5000
				2'	4800
				3'	4100
205		135		1'	5000
				2'	5500
				3'	4500
200		170		1'	4000
				2'	4100
				3'	4100
205		125		1'	3900
				2'	4100
				3'	4200
200		130		1'	3900
				2'	4100
				3'	4400
200		160		1'	4000
				2'	4200
				3'	4000
200		150		1'	3800
				2'	4000
				3'	4200
200		140		1'	4000
				2'	4200
				3'	4700
190		120		1'	3700
				2'	4000
				3'	4700
180		80		1'	3500
				2'	4000
				3'	4500-5000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
180		100		1'	4000
				2'	4000
				3'	4500
190		80		1'	3500
				2'	4000
				3'	4000
190		100		1'	3500
				2'	4000
				3'	4000
200		80		1'	3500
				2'	4000
				3'	4000
210		80		1'	4000
				2'	4000
				3'	3500
170		80		1'	4000
				2'	4000
				3'	3500
200		100		1'	4000
				2'	4000
				3'	4' 00
210		100		1'	3500
				2'	4000
				3'	4000
235		245		1'	3000
				2'	4000
				3'	4000
220		250		1'	4000
				2'	4000
				3'	4000
220		260		1'	4000
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
220		190		1'	3500
				2'	4000
				3'	4000
235		185		1'	3500
				2'	4000
				3'	4500-5000
235		195		1'	3500
				2'	4000
				3'	4000
220		200		1'	3500
				2'	4000
				3'	4000
235		205		1'	3500
				2'	4000
				3'	4500
220		210		1'	4000
				2'	4000
				3'	4000
235		215		1'	3500
				2'	4000
				3'	4500
220		220		1'	3500
				2'	4000
				3'	4000
235		225		1'	3500
				2'	4000
				3'	4000
220		230		1'	3500
				2'	4000
				3'	4000
235		235		1'	4000
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
220		240		1'	3000
				2'	4000
				3'	4000
235		255		1'	3500
				2'	3500
				3'	3500
240		260		1'	3500
				2'	4000
				3'	4500
215		215		1'	3500
				2'	4000
				3'	4000
240		250		1'	3500
				2'	3500
				3'	4000
215		225		1'	FILLED IN
				2'	"
				3'	"
240		240		1'	3500
				2'	4000
				3'	4000
215		235		1'	FILLED IN
				2'	"
				3'	"
240		230		1'	3500
				2'	4000
				3'	4500
215		245		1'	3000
				2'	3500
				3'	4000
240		220		1'	4000
				2'	4000
				3'	4500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
215		255		1'	3500
				2'	4000
				3'	4000
240		210		1'	3500
				2'	3500
				3'	4000
215		265		1'	3500
				2'	3500
				3'	4000
240		200		1'	4000
				2'	4000
				3'	4500
220		270		1'	4000
				2'	3500
				3'	3500
140		90		1'	3500
				2'	4000
				3'	4000
135		75		1'	4000
				2'	4000
				3'	3800
130		90		1'	3500
				2'	3500
				3'	4000
160		80		1'	3500
				2'	4000
				3'	4000
150		80		1'	3500
				2'	4000
				3'	4500
200		90		1'	3500
				2'	4000
				3'	4500

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
140		80		1'	3500
				2'	4000
				3'	4000
190		90		1'	3500
				2'	4000
				3'	4000
130		80		1'	4500
				2'	4500
				3'	4500-5000
180		90		1'	4000
				2'	5000
				3'	5000
120		80		1'	4000
				2'	4000
				3'	4000
170		90		1'	3000
				2'	3000
				3'	3500
125		75		1'	4000
				2'	4000
				3'	3500
160		90		1'	4000
				2'	4000
				3'	4500
190		140		1'	4000
				2'	4000
				3'	4500
200		120		1'	3500
				2'	4000
				3'	4000
190		150		1'	4000
				2'	4000
				3'	4200

Building 12 Borehole Gamma Logging NaI Results

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
195		115		1'	3800
				2'	4000
				3'	4500
190		160		1'	4000
				2'	5000
				3'	5000
195		125		1'	3500
				2'	4000
				3'	4500
195		135		1'	4000
				2'	4000
				3'	4000
190		170		1'	3500
				2'	4000
				3'	4500
195		145		1'	4000
				2'	4000
				3'	4500
195		185		1'	4000
				2'	4000
				3'	4000
195		155		1'	3500
				2'	4000
				3'	4500
195		175		1'	3500
				2'	4000
				3'	4000
SEE AIRLINE		DEBRIS	HILL FILE	1'	
				2'	
				3'	
195		165		1'	3500
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
210		90		1'	4000
				2'	4000
				3'	4500
190		110		1'	3500
				2'	4000
				3'	4000
SEE AIRLINE		DEBRIS	HILL FILE	1'	NO READ - DEPTH
				2'	
				3'	
145		75		1'	3500
				2'	4000
				3'	4500
145		95		1'	4000
				2'	4000
				3'	4500
155		75		1'	4000
				2'	4000
				3'	4500
165		75		1'	3500
				2'	4000
				3'	4000
175		75		1'	3500
				2'	4000
				3'	4000
185		95		1'	4000
				2'	4000
				3'	4000
185		75		1'	3500
				2'	4000
				3'	4000
195		95		1'	3500
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
205		95		1'	4000
				2'	4000
				3'	4500
195		75		1'	3500
				2'	4000
				3'	4000
205		75		1'	3500
				2'	4000
				3'	4500
205		85		1'	4000
				2'	4000
				3'	4500
195		85		1'	3500
				2'	4000
				3'	4000
185		85		1'	4000
				2'	4500
				3'	4000
135		85		1'	3500
				2'	4000
				3'	4000
125		85		1'	4000
				2'	4000
				3'	4500
175		85		1'	3500
				2'	3500
				3'	4000
165		85		1'	4000
				2'	4000
				3'	4000
155		85		1'	4000
				2'	4500
				3'	5000

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION			Depth	Nal (cpm)
North	South	East	West			
145		85		1'	3500	
				2'	4000	
				3'	4500	
130		100		1'	4000	
				2'	4000	
				3'	4000	
135		95		1'	4000	
				2'	4000	
				3'	4000	
125		95		1'	3500	
				2'	4000	
				3'	4500	
120		100		1'	3500	
				2'	3500	
				3'	4000	
				1'		
	SEE AIRLINE	DEBRIS	HILL FILE	2'		
				3'		
				1'		
	SEE AIRLINE	DEBRIS	HILL FILE	2'		
				3'		
145		155		1'	3500	
				2'	4000	
				3'	4000	
125		155		1'	3500	
				2'	3500	
				3'	4000	
140		160		1'	4000	
				2'	4000	
				3'	4000	
135		155		1'	3500	
				2'	3500	
				3'	4000	

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
145		165		1'	3500
				2'	4000
				3'	4000
135		165		1'	4000
				2'	4000
				3'	4000
140		170		1'	4000
				2'	4000
				3'	4500
135		175		1'	3000
				2'	3500
				3'	4000
157		180		1'	3000
				2'	4000
				3'	4000
145		175		1'	3500
				2'	4000
				3'	4000
115		115		1'	4500
				2'	5000
				3'	4000
150		180		1'	3500
				2'	4000
				3'	4000
155		175		1'	4000
				2'	4000
				3'	4000
159		170		1'	3000
				2'	3500
				3'	R
150		170		1'	3000
				2'	3500
				3'	4000
140		180		1'	3500
				2'	4000
				3'	4500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
100		130		1'	3500
				2'	4000
				3'	4000
110		120		1'	3500
				2'	R
				3'	R
100		120		1'	4000
				2'	3500
				3'	R
109		125		1'	3000
				2'	3500
				3'	4000
90		130		1'	4000
				2'	4000
				3'	3500
80		130		1'	4000
				2'	4500
				3'	4500
88		142		1'	4000
				2'	4500-5000
				3'	4500
90		145		1'	4500
				2'	5000
				3'	4500-5000
88		148		1'	4000
				2'	4000
				3'	4500-5000
95		142		1'	3500
				2'	4000
				3'	4500
107		146		1'	4000
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
94		145		1'	4000
				2'	3500
				3'	4500
105		145		1'	3500
				2'	H2O
				3'	H2O
88		155		1'	3500
				2'	4500
				3'	5500
95		147		1'	4000
				2'	5500
				3'	6000
108		148		1'	3500
				2'	H2O
				3'	H2O
90		165		1'	3500
				2'	4000
				3'	4000
100		145		1'	3500
				2'	6000
				3'	9000
80		140		1'	3500
				2'	4500
				3'	5000
90		175		1'	3500
				2'	5000
				3'	6000
96		148		1'	3500
				2'	4500
				3'	6000
85		140		1'	3500
				2'	4500
				3'	5000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
85		174		1'	4000
				2'	4500
				3'	5000
98		148		1'	4000
				2'	5000
				3'	9000
80		135		1'	3500
				2'	4000
				3'	4000
85		165		1'	3500
				2'	4000
				3'	5000
98		145		1'	3500
				2'	5500
				3'	9000
85		162		1'	FILLED IN
				2'	
				3'	
88		153		1'	4000
				2'	4500
				3'	5000
105		165		1'	4500
				2'	5000
				3'	5000
105		162		1'	5000
				2'	4000
				3'	4000
88		158		1'	4000
				2'	5000
				3'	5000
105		158		1'	5000
				2'	4500
				3'	4000

**Building 12 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
95		135		1'	3500
				2'	4000
				3'	4000
86		150		1'	4000
				2'	4000
				3'	4000
102		153		1'	3000
				2'	3500
				3'	4000
105		135		1'	3500
				2'	4000
				3'	4500
85		160		1'	3500
				2'	3500
				3'	4000
115		142		1'	3500
				2'	4000
				3'	4000
84		168		1'	4000
				2'	4000
				3'	4500
108		172		1'	3500
				2'	3500
				3'	4000
85		170		1'	NO READ DUE
				2'	TO HEAVY RAIN
				3'	
108		153		1'	NO READ DUE
				2'	TO HEAVY RAIN
				3'	
107		157		1'	NO READ DUE
				2'	TO HEAVY RAIN
				3'	

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
84		173		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
95		190		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
105		161		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
93		193		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
93		198		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
104		150		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
84		178		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
88		196		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
97		145		1'	NO READ DUE TO HEAVY RAIN
				2'	
				3'	
97		197		1'	3500
				2'	4000
				3'	4000
96		153		1'	5000
				2'	6000
				3'	6000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
86		210		1'	3500
				2'	4000
				3'	4500
88		207		1'	3500
				2'	4000
				3'	4000
90		205		1'	4000
				2'	4000
				3'	4500
83		184		1'	3500
				2'	4000
				3'	4000
80		160		1'	4000
				2'	4000
				3'	4500
86		206		1'	3500
				2'	4000
				3'	4000
83		162		1'	3500
				2'	4000
				3'	4500
80		165		1'	4000
				2'	4500
				3'	5000
89		202		1'	3500
				2'	4000
				3'	4500
85		180		1'	3500
				2'	4000
				3'	4000
83		187		1'	500
				2'	4000
				3'	4500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
87		196		1'	3500
				2'	4000
				3'	4000
87		190		1'	4000
				2'	4000
				3'	4500-5000
80		170		1'	4000
				2'	4000
				3'	4500
88		193		1'	4000
				2'	4000
				3'	4500
88		186		1'	3500
				2'	3500
				3'	4000
81		175		1'	3500
				2'	4000
				3'	4000
86		200		1'	4000
				2'	4500
				3'	5000
83		156		1'	3500
				2'	4000
				3'	4000
88		187		1'	H2O
				2'	H2O
				3'	H2O
110		147		1'	H2O
				2'	H2O
				3'	H2O
96		196		1'	H2O
				2'	H2O
				3'	H2O

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
96		180		1'	H2O
				2'	H2O
				3'	H2O
81		156		1'	H2O
				2'	
				3'	
91		184		1'	H2O
				2'	"
				3'	"
110		155		1'	3000
				2'	4000
				3'	4500
93		173		1'	4000
				2'	6000
				3'	4500
104		197		1'	4000
				2'	4000
				3'	4500
77		154		1'	3500
				2'	4000
				3'	4000
100		195		1'	3500
				2'	4000
				3'	4500
97		173		1'	4500
				2'	6000
				3'	6000
104		194		1'	4500
				2'	5000
				3'	5000
100		194		1'	4000
				2'	4000
				3'	4500

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
82		150		1'	3000
				2'	3500
				3'	R
108		180		1'	3000
				2'	3500
				3'	4000
109		163		1'	3500
				2'	4000
				3'	4000
98		173		1'	4500
				2'	5000
				3'	6500
106		170		1'	4500
				2'	5000
				3'	5000
98		177		1'	4500
				2'	4500-5000
				3'	4000
92		163		1'	4000
				2'	5000
				3'	5000
104		173		1'	3500
				2'	4000
					4000
96		163			4500
					5000
					5000
110		165		1'	4000
				2'	4000
				3'	4500
96		167		1'	4000
				2'	5000
				3'	5000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
95		170		1'	4500
				2'	6500
				3'	6500
104		176		1'	3500
				2'	4000
				3'	4000
109		162		1'	4000
				2'	4000
				3'	4000
98		175		1'	4500
				2'	4500
				3'	R
102		175		1'	5000
				2'	6500
				3'	6000
100		162		1'	5000
				2'	6000
				3'	4500
103		160		1'	4500
				2'	7000
				3'	4500
106		189		1'	4000
				2'	4000
				3'	4000
115		219		1'	4000
				2'	4000
				3'	4000
121		225		1'	3500
				2'	4000
				3'	4500
113		237		1'	3500
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
117		237		1'	4000
				2'	4000
				3'	4000
109		189		1'	3500
				2'	4000
				3'	4500
113		232		1'	3000
				2'	3500
				3'	4000
110		173		1'	3500
				2'	3500
				3'	4000
114		210		1'	300
				2'	4000
				3'	5000
113		217		1'	4500
				2'	6000
				3'	6000
107		237		1'	3500
				2'	4000
				3'	4000
113		213		1'	4500
				2'	5000
				3'	6000
117		220		1'	3500
				2'	4000
				3'	4500
101		178		1'	3500
				2'	4000
				3'	4000
118		234		1'	3000
				2'	4000
				3'	4000

**Building 12 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
120		213		1'	3500
				2'	4000
				3'	4000
108		191		1'	3500
				2'	4000
				3'	4000
113		217		1'	4000
				2'	5000
				3'	6000
120		234		1'	4000
				2'	4000
				3'	4500
110		255		1'	4500
				2'	5000
				3'	5000
105		240		1'	4000
				2'	3500
				3'	4000
100		234		1'	3500
				2'	4000
				3'	4000
107		306		1'	3500
				2'	3500
				3'	4000
105		249		1'	3500
				2'	4000
				3'	4000
110		164		1'	5000
				2'	4500
				3'	4000
110		304		1'	3000
				2'	3500
				3'	4500

112	255	1'	4500
		2'	4000
		3'	4000-4500
112	264	1'	3000
		2'	3500
		3'	4000
120	285	1'	4000
		2'	5000
		3'	4500
130	295	1'	3500
		2'	4000
		3'	4000
123	292	1'	H2O
		2'	"
		3'	"
123	295	1'	4000
		2'	4000
		3'	3500
115	240	1'	400
		2'	450
		3'	4000
120	244	1'	3500
		2'	4000
		3'	4000
116	243	1'	3500
		2'	4000
		3'	4000
116	263	1'	4000
		2'	3500
		3'	4000
84	153	1'	H2O
		2'	
		3'	



93
95
110
103
104
118
116
116
114
116
114

**Building 12 Grid Intersection Exposure Rate Measurements
Nal Results**

SAMPLE		LOCATION		
North	South	East	West	Nal (cpm)
104		269		2100
104		306		2100
104		287		2300
104		297		2600
104		258		2200
105		305		5000
105		295		5000
105		285		5000
105		275		2200
105		265		2100
105		255		2200
105		245		
105		245		2100
105		235		2100
105		225		2300
105		325		2200
105		335		1900
105		345		2100
105		355		2200
105		145		2100
105		165		2200
105		162		2100
105		158		2400
105		135		2200
105		161		2200
105		240		2200
105		249		2300
105		300		2200
105		279		2100
105		260		2100
105		281		2100
105		290		2200
105		105		2100
105		95		2200
105		34		2000
106		180		2000
106		170		2100
106		189		2100
106		98		2300
107		146		2100
107		157		2100
107		237		2200
107		306		2000
107		243		2200
107		302		2100
107		248		2200

Building 12 Grid Intersection Exposure Rate Measurements
Nal Results

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
107		253		2200
107		273		2100
107		267		2600
107		282		2100
108		148		2100
108		172		2100
108		153		2200
108		191		2000
108		297		2100
108		286		2200
108		262		2000
108		293		2700
108		273		2100
108		296		2200
108		297		2000
108		110		2100
109		125		2100
109		163		2100
109		162		2100
109		189		2000
109		275		2100
110		300		5000
110		310		5000
110		290		5000
110		280		5000
110		270		2200
110		260		2200
110		250		2200
110		240		
110		240		2200
110		230		2200
110		320		2300
110		330		2300
110		340		2000
110		350		2000
110		120		
110		147		2300
110		155		2100
110		165		2200
110		245		2200
110		173		2100
110		255		2100
110		164		2200
110		304		2100
110		285		2200
110		233		2300

**Building 12 Grid Intersection Exposure Rate Measurements
Nal Results**

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
110		98		2300
110		140		2100
110		130		2200
110		39		2100
111		91		2100
112		242		2300
112		248		2000
112		253		2200
112		258		2000
112		264		2200
112		273		2100
113		237		2200
113		232		2100
113		217		2000
113		213		2200
113		217		2100
113		283		2100
114		210		2100
114		297		2100
114		288		2200
114		278		2200
115		305		5500
115		295		5000
115		285		4800
115		275		2200
115		265		2100
115		255		2100
115		245		
115		245		2100
115		235		2300
115		225		2100
115		165		2400
115		325		2100
115		335		
115		355		2100
115		345		2200
115		115		2300
115		142		2100
115		219		2000
115		240		2200
116		289		2100
116		300		2200
116		243		2100
116		263		2100
116		249		2000
116		270		2100

Building 12 Grid Intersection Exposure Rate Measurements
Nal Results

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
116		255		2300
116		290		2200
116		260		2100
116		277		2200
116		280		2100
116		39		2200
117		237		2100
117		220		2300
117		256		2100
117		272		2100
117		267		2200
118		234		2200
118		297		2200
118		293		2200
118		278		2100
118		292		2000
119		292		2100
120		300		5000
120		310		5000
120		290		5000
120		280		5000
120		270		2100
120		260		2000
120		250		2100
120		240		
120		240		2100
120		230		2100
120		180		2200
120		170		2300
120		160		2400
120		190		2400
120		320		2200
120		330		2200
120		340		2100
120		350		2200
120		80		2200
120		100		2200
120		213		2100
120		234		2200
120		295		2300
120		254		2100
120		265		2000
120		274		2200
120		285		2300
120		244		2300
120		42		2000

Building 12 Grid Intersection Exposure Rate Measurements

Nal Results

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
121		225		2200
123		292		2100
123		295		2100
123		282		2300
123		287		2200
123		42		2300
125		305		5000
125		295		5000
125		285		4800
125		275		2100
125		265		2200
125		255		2100
125		245		
125		245		2100
125		235		2200
125		225		2200
125		180		2300
125		175		2200
125		170		2200
125		160		2100
125		165		2200
125		325		2300
125		335		2300
125		345		2200
125		355		2300
125		75		2200
125		85		2200
125		95		2200
125		300		2100
125		290		2100
125		280		2000
125		297		2200
126		44		2200
127		294		2100
128		297		2000
128		292		2100
130		300		6000
130		310		6000
130		290		4800
130		280		5500
130		270		2100
130		260		2100
130		250		2100
130		240		
130		240		2000
130		230		2100

**Building 12 Grid Intersection Exposure Rate Measurements
NaI Results**

SAMPLE		LOCATION		NaI (cpm)
North	South	East	West	
130		320		2100
130		330		2200
130		340		2100
130		350		2100
130		90		2200
130		80		2200
130		100		2000
130		295		2200
130		286		2000
130		44		2100
132		282		2200
132		46		2200
135		265		2200
135		275		2200
135		75		2200
135		85		2400
135		95		2100
140		230		2200
140		90		2200
140		80		2100
140		180		2200
145		75		2100
145		85		2200
145		85		2100
145		130		2200
145		120		2100
145		140		2100
146		145		2300
147		125		2000
147		135		2200
147		140		2100
150		80		2300
150		180		2100
150		170		2300
150		130		2200
150		120		2200
150		140		2200
151		145		2100
155		75		2200
155		85		2300
155		175		2200
155		145		2100
159		170		2000
159		145		2100
160		80		2200
160		90		2100

**Building 12 Grid Intersection Exposure Rate Measurements
Nal Results**

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
160		210		2100
160		203		2100
163		207		2100
163		145		2000
164		200		2100
164		195		2200
164		190		2200
164		185		2200
164		180		2100
164		200		2100
164		195		2300
164		190		2100
165		75		2100
165		85		2100
165		175		2200
165		170		2200
165		205		2100
167		180		2200
167		185		2300
167		190		2200
167		195		2200
167		172		2100
167		207		2200
168		145		2100
170		185		2300
170		180		2200
170		200		2100
170		195		2100
170		190		2100
170		80		2000
170		90		2200
170		170		2000
170		175		2300
170		203		2200
172		205		2300
173		170		2200
173		150		2200
173		165		2200
173		177		2200
174		195		2200
175		20		2100
175		195		2200
175		190		2300
175		185		2100
175		180		2200
175		75		2000

Building 12 Grid Intersection Exposure Rate Measurements
Nal Results

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
175		85		2200
175		175		2000
175		165		2000
175		210		2300
175		155		2000
175		203		2000
176		190		2100
177.5		22.5		2200
178		180		2000
180		200		2300
180		190		2100
180		180		2100
180		200		2100
180		190		2100
180		80		2100
180		100		2200
180		90		2300
180		170		2100
180		210		2000
180		150		2100
180		160		2100
185		95		2100
185		75		2100
185		85		2200
185		155		2100
185		165		2200
185		175		2400
185		185		2100
190		120		2000
190		80		2400
190		100		2600
190		90		2100
190		140		2200
190		150		2300
190		160		2000
190		120		2200
190		110		2100
190		245		2000
190		265		2200
190		225		2200
190		255		2100
190		230		2200
190		180		2100
195		115		2100
195		125		2000
195		135		2100

Building 12 Grid Intersection Exposure Rate Measurements
Nal Results

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
195		145		2100
195		185		2100
195		155		2500
195		175		2100
195		165		2200
195		95		2200
195		75		2300
195		85		2100
200		180		2000
200		190		2700
200		170		2100
200		130		2200
200		160		2100
200		150		2200
200		140		2100
200		80		2300
200		100		2000
200		90		2100
200		120		2400
200		220		2100
200		250		2100
200		230		2100
200		240		2200
200		260		2100
205		175		2100
205		165		2100
205		155		2100
205		145		2000
205		135		2800
205		125		2100
205		95		2200
205		75		2200
205		85		2100
210		190		2100
210		200		2100
210		210		2100
210		220		2300
210		230		2100
210		240		2000
210		250		2100
210		260		2100
210		270		2200
210		180		2100
210		170		2200
210		160		2100
210		150		2000

**Building 12 Grid Intersection Exposure Rate Measurements
NaI Results**

SAMPLE		LOCATION		NaI (cpm)
North	South	East	West	
210		120		2100
210		130		2000
210		140		2200
210		80		2100
210		100		2100
210		90		2300
215		185		2200
215		195		2400
215		205		2100
215		175		2200
215		165		2000
215		155		2200
215		145		2200
215		135		2100
215		125		2700
215		115		2200
215		215		2300
215		225		2200
215		235		2100
215		245		2000
215		255		2100
215		265		2100
220		180		2100
220		170		2400
220		160		2300
220		150		2200
220		140		2100
220		130		2000
220		120		2200
220		110		2100
220		250		2200
220		260		2200
220		190		2100
220		200		2100
220		210		2100
220		220		2000
220		230		2100
220		240		2200
220		270		2100
225		205		2200
225		215		2300
225		225		2000
225		235		2100
225		245		2100
225		255		2200
230		190		2100

Building 12 Grid Intersection Exposure Rate Measurements
NaI Results

SAMPLE		LOCATION		NaI (cpm)
North	South	East	West	
230		240		2300
230		240		2100
230		230		2200
230		220		2100
230		210		2300
230		180		2100
230		170		2300
230		160		2100
230		150		2300
235		155		2100
235		165		2300
235		175		2100
235		245		2100
235		135		2000
235		195		2000
235		205		2200
235		215		2100
235		225		2200
235		235		2100
235		255		2100
240		190		2300
240		170		2300
240		130		2200
240		130		2200
240		230		2200
240		240		2300
240		210		2000
240		240		2100
240		240		2100
240		240		2200
240		240		2200
245		235		2300
245		245		2400
245		185		2400
245		235		2800
245		195		2200
245		245		2100
245		205		2000
245		215		2200
245		175		2200
245		165		2100
05		145		2200
455		150		2100
550		156		2300
	45	170		3000
	30	170		2300

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C7

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

Grid Cell Averages

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
250N x 180E		B12-387	21	2	2		
		B12-395	2	21	46		
		B12-432	22	2	2		
	Average		18	8	17		
280N x 190E		B12-395	2	21	46		
		B12-389	17	20	2		
		B12-525	2	2			
	Average		7	14	24		
240N x 180E		B12-432	22	2	2		
		B12-395	2	21	46		
		B12-478	2	17	2		
		B12-444	30	2	2		
		B12-384	2	21			
	Average		12	13	13		
240N x 190E		B12-395	2	21	46		
		B12-525	2	2			
		B12-478	2	23	2		
		B12-384	2	21			
	Average		2	17	24		
210N x 220E		B12-374	2	25	16		
		B12-376	2	2	2		
		B12-878	34	2	2		
		B12-885	2	2	2	16	2
	Average		10	8	6	16	2
200N x 220E		B12-878	34	2	2		
		B12-885	2	2	2	16	2
		B12-881	21	2	2	2	2
		B12-884	2	18	2	2	2
	Average		18	6	2	7	2
220N x 120E		B12-441	16	22	2		
		B12-439	19	2	2		
		B12-455	40	18	2		
		B12-459	15	2	2		
		B12-461	20	25	2		
	Average		22	14	2		
220N x 130E		B12-439	19	2	2		
		B12-437	15	17	22		
		B12-453	18	50			
		B12-461	20	25	2		
		B12-463	2		2		
	Average		18	24	7		

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'
220N x 160E		B12-433	2	2	2
		B12-431	20	2	2
		B12-447	27	20	2
		B12-456	16	23	28
		B12-454	34	2	2
	Average		20	10	7
210N x 130E		B12-461	20	25	2
		B12-463	2		2
		B12-468	32	66	19
		B12-471	25	26	2
		B12-474	30	23	
	Average		22	36	6
210N x 160E		B12-458	2	2	2
		B12-456	16	23	28
		B12-464	28	64	27
		B12-473	23		
		B12-472	2	9	26
	Average		14	26	21
210N x 160E		B12-456	16	23	28
		B12-454	34	2	2
		B12-462	32	2	17
		B12-472	2	2	26
		B12-469	30	18	2
	Average		23	9	15
210N x 170E		B12-454	34	2	2
		B12-452	22	17	
		B12-460	18	2	25
		B12-469	30	18	2
		B12-465	24	2	28
	Average		26	8	14
200N x 150E		B12-473	23		
		B12-472	2	2	26
		B12-540	18	2	
		B12-532	15	25	25
		B12-534	74	41	46
	Average		26	18	32
200N x 160E		B12-472	2	2	26
		B12-469	30	18	2
		B12-542	25	41	20
		B12-534	74	41	46
		B12-537	2	2	15
	Average		27	21	22

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'		
180N x 150E		B12-532	15	25	25		
		B12-534	74	41	46		
		B12-918	2	26	22	30	
		B12-914	27	2	18	2	2
		B12-922	21	20	16	16	
Average			28	23	25	16	2
190N x 160E		B12-534	74	41	46		
		B12-537	2	2	15		
		B12-920	50	26	2	2	2
		B12-922	21	20	16	16	
		B12-905	27	2	2	2	2
Average			35	18	16	7	2
180N x 150E		B12-914	27	2	18	2	2
		B12-922	21	20	16	16	
		B12-919	2	90			
		B12-911	21	2	2	2	2
		B12-917	2	2	2	2	2
Average			15	23	10	6	2
170N x 140E		B12-931	26	2	24	36	19
		B12-932	22	71	38		
Average			24	37	31	36	19
160N x 80E		B12-509	15	16	2		
		B12-519	2	18	20		
		B12-565	2	15	53		
		B12-510	17	2			
		B12-520	26	20	18		
Average			12	14	23		
150N x 120E		B12-901	2	22	2		
		B12-889	21				
		B12-891	33	2	15	2	2
		B12-892	2	2	2	2	2
		B12-890	26	19	17	25	2
Average			17	11	9	10	2
150N x 130E		B12-889	21				
		B12-907	28		2	2	2
		B12-908	56	43	2	15	17
		B12-890	26	19	17	25	2
		B12-908	22	2	28	2	2
		B12-909	19	22	2	2	2
Average			29	22	10	9	5

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'
170N x 180E		B12-284	2		
		B12-281	32	2	2
		B12-288	2	31	
		B12-276	39	26	17
		B12-278	19	26	2
		B12-280	24	44	59
		B12-274	24	55	18
		B12-271	36	21	2
		B12-269	2	126	
Average			20	41	17
170N x 180E		B12-286	2	31	
		B12-285	17	2	60
		B12-283	2	89	
		B12-280	24	44	59
		B12-282	21	96	59
		B12-269	2	126	
		B12-288	19	16	65
		B12-266	16	52	26
Average			13	57	54

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
220 N X 170 E		431	20	2	2		
		429	2	2	2		
		445	22	2	2		
		454	34	2	2		
		452	22	17			
Average			20	5	2		
180 N X 140 E		907	28		2	2	2
		933	19	15	2	20	15
		934	20	103	40	2	2
		935	2	88	124	435	
Average			17	69	42	115	6
130 N X 280E		45	2	2	17		
		54	2	2	2		
		815	2	2	2	2	2
		816	16	2	2	2	
		813	2	2	2	21	2
		792	2	2	2	2	2
		47	21	2	2		
		58	74	53	2		
		814	2	15	2		
		40	2	16	16		
		821	2	2	2	2	2
Average			12	9	5	6	2
130 N X 290 E		58	74	53	2		
		45	2	2	17		
		793	2	2	2	15	
		35	15	2	2		
		820	15	2	2	2	2
		810	2	2	2	9	2
		788	2	2	2	2	
		814	2	15	2		
		33	2	2	2		
		822	2	2	2		
		785	2	2	15		
		795	2	2		2	
		779	15	15	2	2	2
		43	2	2	2		
Average			10	8	4	5	2
120 N X 110 E		866	2	2	2	2	
		597	2				
		590	36	44	2		
		588	2	2	2		
Average			11	16	2	2	#DIV/0!
120 N X 200 E		707	2	35	51		
		197	19	112	139		
Average			11	74	95	#DIV/0!	#DIV/0!

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
120 N X 210 E		707	2	35	51		
		197	19	112	139		
		714	2	2	90	2	2
		710	21	2	154	139	137
		718	2	33	218	2	
		200	18	19	92		
		203	22	21	22		
		719	2	17	2	2	2
		711	2	2	17	2	17
		708	2	2	202	25	24
		204	18	2	15		
	Average		10	22	91	29	36
120 N X 240 E		141	2	2	2		
		797	2	2	2	2	2
		123	2	2	2		
		798	2	2	2	2	2
		799	2	2	15	2	2
		127	2	2	15		
		801	2				
		782	2	2	2	2	15
		784	17	2	2	2	2
		145	2	15	15		
		723	2	2			
		126	92	22			
	Average		11	5	6	2	5
120 N X 290 E		58	74	53	2		
		779	15	15	2	2	2
		43	2	2	2		
		826	2	2	2	16	
		798	20	2	2		
		776	2	2	2	2	
		780	2	2	2	2	
		781	2	2	18	2	
		808	16	2	2		
		31	23	2	2		
		764	2	2	2	2	
		53	47				
		698	2	2	2	2	2
		41	20	2	2		
	Average		16	7	3	4	2
110 N X 120 E		597	2				
		599	2	2	2	2	2
		877	58	97	2	2	2
		598	2	2			
		596	2	2	2		
	Average		13	26	2	2	2

Building 12: Grid Cell Averages

Location Grid	Location Sample	ID	0-2'	2-4'	4-6'	6-8'	8-10'
110 N X 190 E		684	2	23	2	2	20
		681	2	24	22	2	16
		235	22	16	20		
		237	23	19	28		
		683		31		53	2
		679	2	23	2	2	2
		715	2	2			
		206	2	34	43		
Average			8	22	20	16	10
110 N X 240 E		145	2	15	15		
		723	2	2			
		126	92	22			
		734	2				
		739	2	2	2	2	2
		727	2	2	2	2	2
		132	29	2	2		
		730	24	2	2	2	2
		750	2	2	2	2	2
		753		2	2	2	2
		146	2	2	2		
		757	2	2	2	2	2
		129	2	2	2		
			14	6	3	2	2
110 N X 270 E		60	52	127	52		
		48	2	2	2		
		733	2	25	2		
		766	473	99	19	2	15
		745	37	27	2	2	2
		94	68	92	52		
		742	55	154	2	2	2
		777	30	2	2	2	2
		765	61	44	2	2	2
		63	30	82	16		
		846	2	2	23	2	2
		62	16	16	2		
			69	56	15	2	4
Average							

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
110 N X 300 E		41	20	2	2		
		732	2	2	2	2	
		39	2	2	18		
		736	15				
		729	2	2	2	2	2
		740	2				
		12	33	2	2		
		744	2	2	2	2	
		763	27	2	2		
		37	15	2	2		
		36	2	15	2		
	Average		11	3	4	2	2
100 N X 140 E		230	2	182	15		
		613	26	125	2	2	2
		231	151	130	2		
		622	30	90	2	2	2
		648	49	2	2	2	2
		245	2	312	19		
		618	88	157	2	2	2
		616	45	162	2	2	2
		610	17	284	2	2	17
		607	25	93	19	2	2
		605	32	110	2	15	2
		246	17	186	18		
		603	2	66	17	2	2
		232	2	184	33		
	Average		35	149	10	3	4
100 N X 150 E		231	151	130	2		
		234	99	155	38		
		659	2	2	2	2	2
		699	2	240	2	18	
		229	37	108	30		
		650	15	134			
		232	2	184	33		
		228	2	28	22		
	Average		39	123	18	10	2
100 N X 160 E		234	99	155	38		
		699	2	240	2	18	
		228	2	28	22		
		704	37	104			
		238	2	149			
		694	22	30	72		
		696	2	80	15		
		226	22	66	153		
		697	2	282	91	2	2
		692	2	86			
		612	2	18	87	22	2
	Average		18	113	60	14	2

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
100 N X 170 E		238	2	149			
		240	2	2	2		
		689	120	242	47	2	2
		691	15	72	2	2	2
		702	27				
		682	2	120	69	67	2
		674	2	2	2	22	2
		697	2	282	91	2	2
		225	2	212	16		
		678	2	188	63	2	2
		615	2	140			
		222	2	20	22		
	Average		15	130	35	16	2
100 N X 180 E		240	2	2	2		
		674	2	2	2	22	2
		222	2	20	22		
		237	23	19	28		
		223	22	2	2		
		641	2	2		24	21
		644	2	17	2	2	2
		676	19	28	15	2	2
		220	21	45	2		
	Average		11	15	9	13	7
100 N X 260 E		99	22	2	16		
		849	39	2	2	2	2
		63	30	82	16		
		773	79	29	2	2	
		771	15	2			
		833	22				
		836	15	2	2	2	2
		839	2		2	2	2
		840	2	2	2	2	
		844	2	2	2	2	2
		98	2	2	15		
		102	2	2	12		
		67	20	2	22		
	Average		19	12	8	2	2

Building 12: Grid Cell Averages

Location Grid	Location Sample	I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
100 N X 270 E	63	30	82	16			
	846	2	2	23	2	2	
	62	16	16	2			
	775	2	2	2	2	2	
	778	2	2	2	2	2	
	836	15	2	2	2	2	
	837	2	23		2	2	
	97	18	2	2			
	830	2	2				
	67	20	2	22			
	827	2	2	2	2	2	
	66	2	16	2			
	Average		9	13	8	2	2
	90 N X 180E	222	2	20	22		
	220	21	45	2			
	666	2	25	2	2		
	670	27	55	2	2		
	661	15	2	2			2
	241	15	17	2			
	663	2	17	18	70		27
	860	2	2	2			2
	863	2	2	2	2		2
	656	2	2	15	25		2
	Average		9	19	7	20	7
90 N X 190 E	220	21	45	2			
	217	26	2	18			
	665	2	26	2	2		2
	662	2	2	2	2		2
	647	2	2	16	20		2
	668	15	2	2	2		2
	663	2	17	18	70		27
	858	2					
	Average		9	14	9	19	7
	80 N X 130 E	601	2	16	2		2
	620	2	2	2	2		2
	614	2	19	2	2		73
	857	2	2	2			
Average			2	10	2	2	26

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
70 N X 150		254	31	2	30		
		845	2		2	2	2
		851	2	21			
	Average		12	12	16	2	2
70 N X 160 E		254	31	2	30		
		851	2	21			
		280	2	18	2		
		255	2	18	2		
		842	2	2	2	2	2
	Average		8	12	9	2	2
70 N X 220 E		176	2	27	20		
		187	2	25	31		
		180	18	27	16		
	Average		7	26	22	#DIV/0!	#DIV/0!
60 N X 160 E		851	2	21			
		842	2	2	2	2	2
		850	2	2	2	2	2
		847	2	19	2		4
		841	2	2	32	2	2
	Average		2	9	10	2	3
60 N X 170 E		842	2	2	2	2	2
		841	2	2	32	2	2
		852	2	2	2	18	2
		838	2	2	2		
		835	2	2	2	2	2
	Average		2	2	8	6	2
40 N X 310 E		4	2	2	2		
		2	2	2			
		317	55	2			
		318	26	2	15		
	Average		21	2	9	#DIV/0!	#DIV/0!
40 N X 320 E		317	55	2			
		318	26	2	15		
		351	2	18			
		342	22	2	2		
		344	2	2			
	Average		21	5	9	#DIV/0!	#DIV/0!

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
80 N X 170 E		664	2	2	44		39
		864	2	2	112	25	2
		249	2	2	2		
		250	2	2	2		
		251	2	2			
		256	16	16	16		
		257	2	16			
		261	2	2	2		
		255	2	16	2		
		263	16	2	2		
	Average		5	6	23	25	21

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
120 N X 260 E		92	2	2	20		
		787	2	2	2	2	
		56	2	2	23		
		811	2	2	2	2	2
		800	25		2	2	
		819	44	15	2	2	2
		802	54	65			
		91	2	16	17		
		791	68	2	46		
		96	79	65			
		60	52	127	52		
	Average		30	30	18	2	2
120 N X 270 E		56	2	2	23		
		789	2	2	2	2	2
		47	21	2	2		
		817	27	38			
		824	2	2	16	2	2
		802	54	65			
		812	17	2	2		
		93	43	52	2		
		805	2	72	2	2	2
		807	62	37	2	2	2
		60	52	127	52		
		48	2	2	2		
	Average		24	34	11	2	2
120 N X 280 E		47	21	2	2		
		48	2	2	2		
		792	2	2	2	2	2
		58	74	53	2		
		808	16	2	2		
		789	2	2	2		
		823	18	45	2	2	2
		44	68	73	2		
		803	25	66	2	2	2
		809	69	26	15	2	2
		737	18	53		2	2
		53	47				
	Average		30	30	3	2	2

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
110 N X 250 E		126	92	22			
		726	28	54	2	2	24
		96	79	65			
		743	42	146	2	2	2
		118	90	2	2		
		749	45	19			
		767	2	2	2	16	2
		762	22	2	23		2
		129	2	2	2		
		768	2	2	2	2	
		99	22	2	16		
	Average		39	29	6	6	8
110 N X 280 E		48	2	2	2		
		737	18	53		2	2
		53	47				
		747	20	2	2	2	2
		770	37	47			
		756	46	63			
		46	49	2	2		
		825	36	2	2	2	2
		751	26	2		2	2
		752	32	2	2	2	2
		772	2	2	2	2	2
		62	16	16	2		
	Average		28	18	2	2	2

Building 12: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
120 N X 120 E		B12-588	2	2	2		
		B12-584	2	2	2		
		B12-597	2				
		B12-877	58	97	2	2	2
	Average		16	34	2	2	2
120 N X 130 E		B12-584	2	2	2		
		B12-583	2	2	2		
		B12-877	58	97	2	2	2
		B12-876	2	2	2	2	2
		B12-589	53	15	312		
	Average		23	24	64	2	2
120 N X 160 E		B12-303	2		23		
		B12-302	2	23	15		
		B12-297	2	29	32		
		B12-221	30	2	15		
		B12-218	22	2	20		
		B12-731	70	27	2	2	
		B12-695	16	2	2	2	2
	Average		21	14	16	2	2
130 N X 210 E		B12-208	15				
		B12-201	26	16	16		
		B12-714	2	2	90	2	2
		B12-204	16	2	15		
	Average		15	7	40	2	2
120 N X 220 E		B12-204	16	2	15		
		B12-711	2	2	17	2	17
		B12-174	2	15	2		
		B12-200	16	19	92		
		B12-164	18	2	2		
	Average		11	8	26	2	17
120 N X 250 E		B12-123	2	2	2		
		B12-783	2	2	2	2	2
		B12-92	2	2	20		
		B12-806	2	2	2	2	2
		B12-804	2	2	2	2	2
		B12-811	2	2	2	2	2
		B12-786	2	2	2	2	2
		B12-790	19	2	2	2	2
		B12-126	92	22			
		B12-726	28	54	2	2	24
		B12-96	79	65			
	Average		21	14	4	2	5

Building 12: Grid Cell Averages

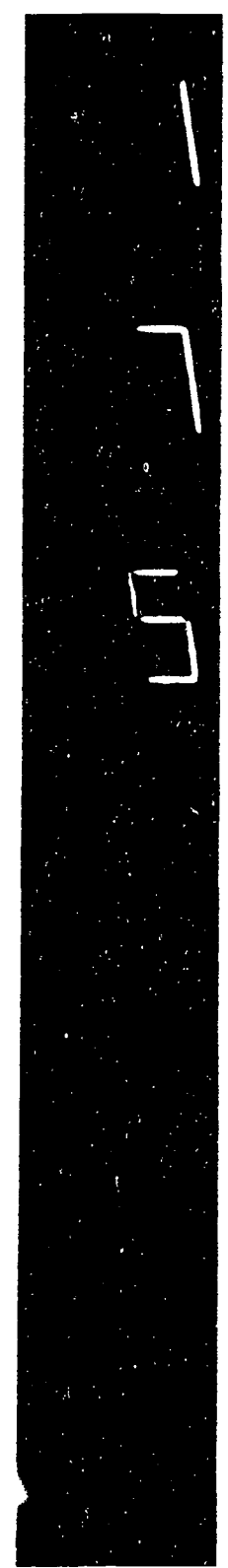
Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'
120 N X 260 E		B12-92	2	2	20		
		B12-787	2	2	2	2	
		B12-58	2	2	23		
		B12-811	2	2	2	2	2
		B12-800	25		2	2	
		B12-819	44	15	2	2	2
		B12-802	54	65			
		B12-91	2	16	17		
		B12-791	68	2	48		
		B12-96	79	65			
		B12-80	52	127	52		
	Average		30	30	18	2	2
120 N X 270 E		B12-58	2	2	23		
		B12-789	2	2	2	2	2
		B12-47	21	2	2		
		B12-817	27	38			
		B12-824	2	2	16	2	2
		B12-802	54	65			
		B12-812	17	2	2		
		B12-93	43	52	2		
		B12-805	2	72	2	2	2
		B12-807	62	37	2	2	2
		B12-60	52	127	52		
		B12-48	2	2	2		
	Average		24	34	11	2	2
120 N X 280 E		B12-47	21	2	2		
		B12-792	2	2	2	2	2
		B12-58	74	53	2		
		B12-823	18	45	2	2	2
		B12-769	2	2	2		
		B12-808	16	2	2		
		B12-44	68	73	2		
		B12-809	69	26	15	2	2
		B12-803	25	66	2	2	2
		B12-48	2	2	2		
		B12-737	18	53		2	2
		B12-53	47				
	Average		30	30	3	2	2
110 N X 130 E		B12-877	58	97	2	2	2
		B12-876	2	2	2	2	2
		B12-632	2	2	2	2	2
		B12-596	2	2	2		
		B12-230	2	182	15		
	Average		13	57	5	2	2

B12-249	2	2	2
B12-258	15	19	
B12-254	31	2	30
B12-260	2	18	2
B12-261	2	2	2
B12-255	2	18	2

igs	6	7	17	36	70
-----	---	---	----	----	----

X 130 E	B12-596	2	2	2		
	B12-230	2	182	15		
	B12-629	2	22	2	2	2
	B12-246	17	186	18		
	B12-600	2	18	15	2	17

igs	6	82	10	2	10
-----	---	----	----	---	----



Building

**Building 17 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
	45	140		1'	5000
				2'	5000
				3'	4200
	30	170		1'	4000
				2'	4100
				3'	4100
	45	150		1'	3800
				2'	4000
				3'	4300
	40	145		1'	3900
				2'	4100
				3'	4200
	5	175		1'	4000
				2'	4000
				3'	4100
	20	170		1'	3800
				2'	3900
				3'	4000
	20	178		1'	3900
				2'	3900
				3'	4000
0		170		1'	3800
				2'	3900
				3'	3900
0		190		1'	4100
				2'	4000
				3'	3800
	10	160		1'	3400
				2'	3600
				3'	CAVED IN
	10	190		1'	3600
				2'	3700
				3'	3700

**Building 17 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
	20	180		1'	3900
				2'	3900
				3'	3700
	20	190		1'	3700
				2'	3900
				3'	3900
0		180		1'	3500
				2'	3600
				3'	3700
	40	190		1'	4000
				2'	3900
				3'	3800
	50	170		1'	4100
				2'	390
				3'	3900
	30	150		1'	4200
				2'	4400
				3'	4800
	35	145		1'	4200
				2'	4100
				3'	4100
	30	160		1'	4100
				2'	4200
				3'	4400
	45	155		1'	4000
				2'	4000
				3'	41000
	55	165		1'	3900
				2'	3900
				3'	4000
	20	160		1'	3900
				2'	4000
				3'	4100

**Building 17 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
	50	160		1'	3800
				2'	3900
				3'	4000
	15	165		1'	3900
				2'	3900
				3'	R
	40	160		1'	3800
				2'	4000
				3'	4200
	35	165		1'	3800
				2'	4000
				3'	4100
	5	165		1'	3700
				2'	3900
				3'	4200
	40	180		1'	3900
				2'	4000
				3'	4100
0		160		1'	3900
				2'	4000
				3'	4000
	30	180		1'	3700
				2'	3700
				3'	3500
	37	180		1'	9,000
				2'	9,000
				3'	10,000
	41	165		1'	9,000
				2'	9,000
				3'	10,000
	41	175		1'	8,000
				2'	9,000
				3'	9,000

**Building 17 Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
	31	165		1'	8,000
				2'	9,000
				3'	10,000
	41	185		1'	9,000
				2'	9,000
				3'	10,000
	21	168		1'	8,000
				2'	8,000
				3'	9,000
	31	177		1'	NO READ H2O
				2'	"
				3'	"
	27	173		1'	8,000
				2'	9,000
				3'	9,000
	37	173		1'	8,000
				2'	9,000
				3'	9,000
	27	179		1'	10,000
				2'	8,000
				3'	8,000
	17	173		1'	10,000
				2'	10,000
				3'	10,000
	12	168		1'	10,000
				2'	R
				3'	R
	7	173		1'	9,000
				2'	8,000
				3'	8,000
	31	186		1'	10,000
				2'	9,000
				3'	9,000

**Building 17 Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	Scuth	East	West		
	10	176		1'	10,000
				2'	9,000
				3'	9,000
	20	187		1'	10,000
				2'	9,000
				3'	9,000
	15	180		1'	9,000
				2'	H20
				3'	H20
	30	132		1'	3900
				2'	4100
				3'	4200
	40	140		1'	3700
				2'	3800
				3'	4000
	35	135		1'	3800
				2'	3700
				3'	R
	30	140		1'	3900
				2'	400
				3'	4000
	45	145		1'	4000
				2'	4000
				3'	4000

Building 17 Hill: Grid Intersection Static Surface Measurements

SAMPLE		LOCATION		Nal (cpm)
North	South	East	West	
26		10		2200
0		100		6000*
5		100		6000*
0		105		6000*
5		105		5500*
21		120		2300
20		130		2200
25		135		2100
25		135		2100
25		285		5000*
	40	180		2200
	50	170		2100
	35	165		2100
	5	165		2000
	40	180		2100
0		160		2200
	5	175		2100
	30	180		2100
0		190		2000
	10	160		2100
	20	180		2200
	25	165		2100
	20	190		2200
0		180		2100
* Measurements performed with a Nal(Tl) 2" x 2" detector; Nominal background approximately 5500 cpm				

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix D5

Hill South of Building 17

Grid Cell Averages

Hill South of Building 17: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'	10-12'	12-14'	14-15'
30 S X 140 E		19	2	2	27	2				
		21	2	15	17	2	16	2		
		22	51	2	50	2	16	2		
		17	19	2	17	16				
		53	15	24		2	2			
Average			18	9	28	5	11	2		
40 S X 140 E		17	19	2	17	16				
		53	15	24		2	2			
		54	30	19	24	2	2	2	18	18
		20	84	72	2		2	17		
		52	24	16						
Average			34	27	14	7	2	10	18	18
40 S X 150 E		24	42	35	23		16	17	2	
		52	24	16						
		27	2	2	15	15	2	16	2	
		20	22	16	2	16	17	17	2	
Average			23	17	13	16	12	17	2	

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix D6

Hill South of Building 17

Massachusetts Grid System Reference Coordinates



E. OTIS DYER

368 FAIRVIEW AVENUE
BOX 5
REHOBOTH, MASS. 02769
Telephone: (508) 252-4363

*Registered Professional Engineer and Land Surveyor
in Massachusetts, Rhode Island and North Carolina*

**MARCH 28, 1995
TEXAS INSTRUMENTS, INC.
IN ATTLEBORO, MASSACHUSETTS
BUILDING 12 GRID
ON MASSACHUSETTS GRID COORDINATES**

IN METERS

IN FEET

0N, 100 E	345, 271.94,	663, 860.37
60 N, 100 E	345, 417.00,	663, 727.28
120 N, 100 E	345, 562.06,	663, 594.20
180 N, 100E	345, 707.12,	663, 461.12
240 N, 100 E	345, 852.18,	663, 328.03
300 N, 100 E	345, 997.24,	663, 194.95

0N, 150 E	345, 382.84,	663, 981.25
60 N, 150 E	345, 527.90,	663, 848.17
120 N, 150 E	345, 672.96,	663, 715.09
150 E, 150 N	345, 818.03,	663, 582.00
240 N, 150 E	345, 963.09,	663, 448.92
300 N, 150 E	346, 108.15,	663, 315.83

0N, 200 E	345, 493.74,	664, 102.13
60 N, 200 E	345, 638.80,	663, 969.05
120 N, 200 E	345, 783.86,	663, 835.97
180 N, 200 E	345, 928.93,	663, 702.88
240 N, 200 E	346, 073.99,	663, 569.80
300 N, 200 E	346, 219.05,	663, 436.71

T.L
BUILDING 12 GRID
PAGE 2 OF 2

IN METERS

IN FEET

0N, 250 E	345, 604.64,	664, 223.01
60 N, 250 E	345, 749.70,	664, 089.93
120 N, 250 E	345, 894.76,	663, 956.84
180 N, 250 E	346, 039.82,	663, 823.76
240 N, 250 E	364, 184.88,	663, 690.67
300 N, 250 E	346, 329.94,	663, 557.59

0 N, 300 E	345, 715.54,	664, 343.89
60 N, 300 E	345, 860.60,	664, 210.81
120 N, 300 E	346, 005.66,	664, 077.73
180 N, 300 E	346, 150.72,	663, 944.64
240 N, 300 E	346, 295.79,	663, 811.56
300 N, 300 E	346, 440.85,	663, 678.47

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E

Building 12 Airline Debris

Appendix E: Building 12 Airline Debris

- E1 Sub-Surface Soil Sampling Data**
- E2 Drawing CPS-TI-0107A Sub Surface soil Sample Locations**
- E3 Drawing CPS-TI-0107H Grid Cell Averages and Maximum Depths**
- E4 Bore Hole Measurements and Static Measurements**
- E5 Grid Cell Averages**
- E6 Massachusetts Grid System Reference Coordinates**

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E1

Building 12 Airline Debris

Sub-Surface Soil Sampling Data

Air Line Debris Split Spoon Sampling Alpha Screening Results

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	FLAG#1	14 N X 450 E	0-2	12
			2-4'	10
			4'-6'	5
			6-8'	12
			8-10'	6
			10-12'	13
			12-14'	13
			14-15'	R
	#2	10 N X 452 E	0-2	15
			2-4'	14
			4'-6'	16
			6-8'	18
			8-10'	15
			10-12'	22
			12-14'	R
			14-15'	7
	FLAG#3	15 N X 460 E	0-2	19
			2-4'	8
			4'-6'	16
			6-8'	16
			8-10'	15
			10-12'	17
			12-14'	10
			14-15'	13
	FLAG#4	10 NX 460 E	0-2	6
			2-4'	4
			4'-6'	13
			6-8'	11
			8-10'	16
			10-12'	14
			12-14'	14
			14-15'	11
	FLAG#5	12N X 460.5 E	0-2	21
			2-4'	13
			4'-6'	6
			6-8'	14
			8-10'	21
			10-12'	13
			12-14'	11
			14-15'	R

Air Line Debris Split Spoon Sampling Alpha Screening Results

Archive Number	Spoon #	Sample Location	Depth	cts/10min
FLAG#6		16 N X 459 E	0-2	13
			2-4'	16
			4'-6'	29
			6-8'	21
			8-10'	9
			10-12'	4
			12-14'	21
			14-15'	11
FLAG#7		16 N X 456 E	0-2	13
			2-4'	11
			4'-6'	10
			6-8'	9
			8-10'	13
			10-12'	R
			12-14'	9
			14-15'	42
FLAG#8		18 N X 455 E	0-2	8
			2-4'	11
			4'-6'	8
			6-8'	13
			8-10'	14
			10-12'	11
			12-14'	13
			14-15'	6
FLAG#9		20 N X 459 E	0-2	11
			2-4'	16
			4'-6'	15
			6-8'	16
			8-10'	21
			10-12'	10
			12-14'	7
			14-15'	R
FLAG#10		77 N X 461 E	0-2	10
			2-4'	13
			4'-6'	9
			6-8'	9
			8-10'	11
			10-12'	16
			12-14'	6
			14-15'	15

**Air Line Debris Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	FLAG#11	14 NX 461 E	0-2	8
			2-4'	3
			4'-6'	13
			6-8'	26
			8-10'	25
			10-12'	19
			12-14'	11
			14-15'	8
	FLAG#12	20 N X 461.5E	0-2	11
			2-4'	11
			4'-6'	13
			6-8'	18
			8-10'	17
			10-12'	15
			12-14'	6
			14-15'	9
	FLAG#13	21 N X 458 E	0-2	18
			2-4'	21
			4'-6'	6
			6-8'	15
			8-10'	11
			10-12'	15
			12-14'	10
			14-15'	10
	FLAG#14	21 N X 462 E	0-2	12
			2-4'	25
			4'-6'	4
			6-8'	12
			8-10'	15
			10-12'	17
			12-14'	16
			14-15'	10
	FLAG#15	23 N X 460 E	0-2	16
			2-4'	13
			4'-6'	16
			6-8'	16
			8-10'	17
			10-12'	13
			12-14'	14
			14-15'	7

Air Line Debris Split Spoon Sampling Alpha Screening Results

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	FLAG#16	29 N X 459 E	0-2	17
			2-4'	14
			4'-6'	13
			6-8'	15
			8-10'	11
			10-12'	12
			12-14'	15
			14-15'	11
	FLAG#17	26N X 463 E	0-2	9
			2-4'	15
			4'-6'	6
			6-8'	18
			8-10'	21
			10-12'	12
			12-14'	20
			14-15'	11
	FLAG#18	28 N X 461.5E	0-2	19
			2-4'	11
			4'-6'	8
			6-8'	6
			8-10'	R
			10-12'	5
			12-14'	18
			14-15'	19
	FLAG#19	29.5N X 459 E	0-2	10
			2-4'	13
			4'-6'	12
			6-8'	9
			8-10'	13
			10-12'	19
			12-14'	18
			14-15'	6
	FLAG#20	29 N X 464 E	0-2	13
			2-4'	9
			4'-6'	6
			6-8'	R
			8-10'	11
			10-12'	11
			12-14'	16
			14-15'	23

**Air Line Debris Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	FLAG #21	15 N X 452 E	15-17	18
			17-19	6
			19-21	12
			21-23	R
			23-25	R
	FLAG # 22	15 N X 455 E	15-17	12
			17-19	14
			19-21	27
			21-23	12
			23-25	4
	FLAG # 23	14 N X 458 E	15-17	10
			17-19	8
			19-21	8
			21-23	7
			23-25	8
	FLAG # 6 - deep	16 N X 459 E	15-17	10
			17-19	13
			19-21	11
			21-23	11
			23-25	4
	FLAG # 7 - deep	16 N X 456 E	15-17	10
			17-19	7
			19-21	10
			21-23	14
			23-25	12
	FLAG # 11- deep	14 N X 461 E	15-17	1
			17-19	9
			19-21	11
			21-23	R
			23-25	R

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E2

Building 12 Airline Debris

Drawing CPS-TI-0107A Sub Surface Soil Sample Locations

PAGE(S) PULLED

SEE APERTURE CARD FILES

APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

NUMBER OF OVERSIZE PAGES FILMED ON APERTURE CARD(S)

1

ACCESSION NUMBERS OF OVERSIZE PAGES:

9709160168 - 22

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E3

Building 12 Airline Debris

**Drawing CPS-TI-0107H Grid Cell Averages and Maximum
Depths**

APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

9709160168-23

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E4

Building 12 Airline Debris

Bore Hole Measurements and Static Measurements

**Air Line Debris Borehole Gamma Logging
NaI Results**

SAMPLE		LOCATION		Depth	NaI (cpm)
North	South	East	West		
29		464		1'	3800
				2'	3900
				3'	4000
10		452		1'	3800
				2'	3800
				3'	4000
16		459		1'	3900
				2'	3900
				3'	4100
15		460		1'	3800
				2'	3900
				3'	4000
20		459		1'	3700
				2'	3900
				3'	3900
23		460		1'	3800
				2'	3800
				3'	4000
28		461.5		1'	3800
				2'	3900
				3'	4100
29.5		459		1'	3900
				2'	3900
				3'	4000
29		459		1'	3900
				2'	3900
				3'	4000
26		463		1'	3800
				2'	3900
				3'	4100
21		462		1'	3800
				2'	3900
				3'	4000

Air Line Debris Borehole Gamma Logging Nal Results

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
20		461.5		1'	3800
				2'	3900
				3'	3900
17		461		1'	3800
				2'	3900
				3'	3900
14		461		1'	3900
				2'	3900
				3'	4000
21		456		1'	3900
				2'	3900
				3'	4000
18		455		1'	3500
				2'	3500
				3'	4000
16		456		1'	3500
				2'	3500
				3'	4000
14		450		1'	3500
				2'	3800
				3'	4000
12		460.5		1'	3400
				2'	3500
				3'	3700
10		460		1'	3600
				2'	3700
				3'	3900
15		452		1'	NO READ DUE TO DEPTH (cord)
				2'	
				3'	
15		455		1'	NO READ DUE TO DEPTH (cord)
				2'	
				3'	

**Air Line Debris Borehole Gamma Logging
Nal Results**

SAMPLE		LOCATION		Depth	Nal (cpm)
North	South	East	West		
14		458		1'	NO READ DUE TO
				2'	DEPTH (cord)
				3'	

Air Line Debris Hill: Grid Intersection Static Surface Measurements

	SAMPLE	LOCATION		
North	South	East	West	Nal (cpm)
10		452		2300
10		452		2000
15		452		2100
15		455		2200
16		456		2100
16		459		2000
16		459		2100
20		459		2200
29		459		2200
29.5		459		2400
15		460		2000
23		460		2300
28		461.5		2400
26		463		2300
26		463		2200
29		464		2200
29		464		2100

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E5

Building 12 Airline Debris

Grid Cell Averages

Building 12 Airline Debris: Grid Cell Averages

Location Grid	Location Sample	Sample I.D.	0-2'	2-4'	4-6'	6-8'	8-10'	10-12'	12-14'	14-15'	15-17'	17-19'	19-21'	21-23'	23-25'
20 N X 450 E		ALD-1	2	2	2	2	2	2	2						
		ALD-2	15	2	18	18	15	22		2					
		ALD-7	2	2	2	2	2		2	42					
		ALD-8	2	2	2	2	2	2	2	2					
		ALD-3	19	2	16	16	15	17	2	2					
		ALD-4	2	2	2	2	16	2	2	2					
		ALD-6	2	16	29	21	2	2	21	2					
		ALD-9	2	16	15	16	21	2	2						
		ALD-21									18	2	2		
		ALD-22									2	2	27	2	2
		ALD-23									2	2	2	7	2
Average			6	6	11	10	9	7	5	9	7	2	15	5	2

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix E6

Building 12 Airline Debris

Massachusetts Grid System Reference Coordinates



E. OTIS DYER

368 FAIRVIEW AVENUE
BOX 5
REHOBOTH, MASS. 02769
Telephone: (508) 252-4363

*Registered Professional Engineer and Land Surveyor
in Massachusetts, Rhode Island and North Carolina*

**MARCH 28, 1995
TEXAS INSTRUMENTS, INC.
IN ATTLEBORO, MASSACHUSETTS
BUILDING 12 GRID
ON MASSACHUSETTS GRID COORDINATES**

IN METERS

IN FEET

0N, 100 E	345, 271.94, 663, 860.37
60 N, 100 E	345, 417.00, 663, 727.28
120 N, 100 E	345, 562.06, 663, 594.20
180 N, 100E	345, 707.12, 663, 461.12
240 N, 100 E	345, 852.18, 663, 328.03
300 N, 100 E	345, 997.24, 663, 194.95

0N, 150 E	345, 382.84, 663, 981.25
60 N, 150 E	345, 527.90, 663, 848.17
120 N, 150 E	345, 672.96, 663, 715.09
150 E, 150 N	345, 818.03, 663, 582.00
240 N, 150 E	345, 963.09, 663, 448.92
300 N, 150 E	346, 108.15, 663, 315.83

0N, 200 E	345, 493.74, 664, 102.13
60 N, 200 E	345, 638.80, 663, 969.05
120 N, 200 E	345, 783.86, 663, 835.97
180 N, 200 E	345, 928.93, 663, 702.88
240 N, 200 E	346, 073.99, 663, 569.80
300 N, 200 E	346, 219.05, 663, 436.71

T.I
BUILDING 12 GRID
PAGE 2 OF 2

IN METERS

IN FEET

0N, 250 E	345, 604.64,	664, 223.01
60 N, 250 E	345, 749.70,	664, 089.93
120 N, 250 E	345, 894.76,	663, 956.84
180 N, 250 E	346, 039.82,	663, 823.76
240 N, 250 E	364, 184.88,	663, 690.67
300 N, 250 E	346, 329.94,	663, 557.59

0 N, 300 E	345, 715.54,	664, 343.89
60 N, 300 E	345, 860.60,	664, 210.81
120 N, 300 E	346, 005.66,	664, 077.73
180 N, 300 E	346, 150.72,	663, 944.64
240 N, 300 E	346, 295.79,	663, 811.56
300 N, 300 E	346, 440.85,	663, 678.47

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix F

Unaffected Area Survey

Appendix F: Unaffected Area Survey

- F1 Sub-Surface Soil Sampling Data**
- F2 Drawing CPS-TI-0101E Sub Surface soil Sample Locations**
- F3 Massachusetts Grid System Reference Coordinates**

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix F1

Unaffected Area Survey

Sub-Surface Soil Sampling Data

**Unaffected Area Survey Random Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10 min
	URS-1	SEE MAP or APP. F3	0-2'	13
			2'-4'	8
			4'-6'	R
	URS-2	SEE MAP or APP. F3	0-2'	8
			2'-4'	18
			4'-6'	11
	URS-3	SEE MAP or APP. F3	0-2'	12
			2'-4'	22
			4'-6'	6
	URS-4	SEE MAP or APP. F3	0-2'	14
			2'-4'	13
			4'-6'	R
	URS-5	SEE MAP or APP. F3	0-2'	15
			2'-4'	11
			4'-6'	8
	URS-6	SEE MAP or APP. F3	0-2'	11
			2'-4'	13
			4'-6'	17
	URS-7	SEE MAP or APP. F3	0-2'	11
			2'-4'	22
			4'-6'	9
	URS-8	SEE MAP or APP. F3	0-2'	6
			2'-4'	10
			4'-6'	19
	URS-9	SEE MAP or APP. F3	0-2'	6
			2'-4'	21
			4'-6'	9
	URS-10	SEE MAP or APP. F3	0-2'	9
			2'-4'	12
			4'-6'	R
	URS-11	SEE MAP or APP. F3	0-2'	15
			2'-4'	11
			4'-6'	13
	URS-12	SEE MAP or APP. F3	0-2'	11
			2'-4'	3
			4'-6'	18

**Unaffected Area Survey Random Split Spoon Sampling
Alpha Screening Results**

	URS-13	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	19 17 R
	URS-14	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	2 12 7
	URS-15	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	14 21 8
	URS-16	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	21 7 14
	URS-17	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	8 7 14
	URS-18	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	8 22 11
	URS-19	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	12 18 5
	URS-20	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	10 26 R
	URS-21	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	14 17 9
	URS-22	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	6 20 9
	URS-23	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	12 6 5
	URS-24	SEE MAP or APP. F3	0-2' 2'-4' 4'-6'	96 16 21

**Unaffected Area Survey Random Split Spoon Sampling
Alpha Screening Results**

	URS-25	SEE MAP	0-2'	10
		or APP. F3	2'-4'	14
			4'-6'	11
	URS-26	SEE MAP	0-2'	8
		or APP. F3	2'-4'	13
			4'-6'	18
	URS-27	SEE MAP	0-2'	7
		or APP. F3	2'-4'	18
			4'-6'	8
	URS-28	SEE MAP	0-2'	16
		or APP. F3	2'-4'	5
			4'-6'	28
	URS-29	SEE MAP	0-2'	11
		or APP. F3	2'-4'	15
			4'-6'	R
	URS-30	SEE MAP	0-2'	11
		or APP. F3	2'-4'	16
			4'-6'	R

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix C1

**Building 12 South Lawn, Building 11 Drainage Ditch,
and
Building 12 North and West Side**

Sub-Surface Soil Sampling Data

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1005-2935	B12-1	30 N X 300 E	0-2'	9
TI-B12-SSS-1005-2936			2'-4'	8
			4'-6'	R
TI-B12-SSS-1005-2937	B12-2	30 N X 310 E	0-2'	8
TI-B12-SSS-1005-2938			2'-4'	10
			4'-6'	R
TI-B12-SSS-1005-2939	B12-3	40 N X 300 E	0-2'	6
TI-B12-SSS-1005-2940			2'-4'	9
TI-B12-SSS-1005-2941			4'-6'	14
TI-B12-SSS-1005-2942	B12-4	40 N X 310 E	0-2'	13
TI-B12-SSS-1005-2943			2'-4'	12
TI-B12-SSS-1005-2944			4'-6'	8
TI-B12-SSS-1005-2945	B12-5	35 N X 305 E	0-2'	14
TI-B12-SSS-1005-2946			2'-4'	13
			4'-6'	R
TI-B12-SSS-1006-2947	B12-6	55 N X 305 E	0-2'	17
TI-B12-SSS-1006-2948			2'-4'	6
TI-B12-SSS-1006-2949			4'-6'	11
TI-B12-SSS-1006-2950	B12-7	65 N X 305 E	0-2'	8
TI-B12-SSS-1006-2951			2'-4'	13
TI-B12-SSS-1006-2952			4'-6'	8
TI-B12-SSS-1006-2953	B12-8	45 N X 305 E	0-2'	10
TI-B12-SSS-1006-2954			2'-4'	11
TI-B12-SSS-1006-2955			4'-6'	10
TI-B12-SSS-1006-2956	B12-9	75 N X 305 E	0-2'	4
TI-B12-SSS-1006-2957			2'-4'	9
TI-B12-SSS-1006-2958			4'-6'	11
TI-B12-SSS-1006-2959	B12-10	85 N X 305 E	0-2'	17
TI-B12-SSS-1006-2960			2'-4'	13
TI-B12-SSS-1006-2961			4'-6'	11
TI-B12-SSS-1006-2962	B12-11	95 N X 305 E	0-2'	13
			2'-4'	R
			4'-6'	R
TI-B12-SSS-1006-2963	B12-12	105 N X 305 E	0-2'	33
TI-B12-SSS-1006-2964			2'-4'	9
TI-B12-SSS-1006-2965			4'-6'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1006-2966	B12-13	115 N X 305 E	0-2'	14
TI-B12-SSS-1006-2967			2'-4'	7
TI-B12-SSS-1006-2968			4'-6'	15
TI-B12-SSS-1006-2969	B12-14	125 N X 305 E	0-2'	14
TI-B12-SSS-1006-2970			2'-4'	13
			4'-6'	R
TI-B12-SSS-1006-2971	B12-15	35 N X 295 E	0-2'	15
TI-B12-SSS-1006-2972			2'-4'	16
			4'-6'	R
TI-B12-SSS-1006-2973	B12-16	45 N X 295 E	0-2'	4
TI-B12-SSS-1006-2974			2'-4'	9
			4'-6'	R
TI-B12-SSS-1006-2975	B12-17	35 N X 295 E	0-2'	17
TI-B12-SSS-1006-2976			2'-4'	10
TI-B12-SSS-1006-2977			4'-6'	18
TI-B12-SSS-1007-2978	B12-18	65 N X 295 E	0-2'	7
TI-B12-SSS-1007-2979			2'-4'	12
			4'-6'	R
TI-B12-SSS-1007-2980	B12-19	50 N X 300 E	0-2'	12
TI-B12-SSS-1007-2981			2'-4'	8
TI-B12-SSS-1007-2982			4'-6'	14
TI-B12-SSS-1007-2983	B12-20	50 N X 310E	0-2'	7
TI-B12-SSS-1007-2984			2'-4'	7
TI-B12-SSS-1007-2985			4'-6'	5
TI-B12-SSS-1007-2986	B12-21	75 N X 295 E	0-2'	12
TI-B12-SSS-1006-2987			2'-4'	14
TI-B12-SSS-1007-2988			4'-6'	18
TI-B12-SSS-1007-2989	B12-22	60 N X 300 E	0-2'	13
TI-B12-SSS-1007-2990			2'-4'	15
TI-B12-SSS-1007-2991			4'-6'	23
TI-B12-SSS-1007-2992	B12-23	60 N X 310 E	0-2'	7
TI-B12-SSS-1007-2993			2'-4'	7
			4'-6'	R
TI-B12-SSS-1007-2994	B12-24	85 N X 295 E	0-2'	16
TI-B12-SSS-1007-2995			2'-4'	14
TI-B12-SSS-1007-2996			4'-6'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1007-2997	B12-25	70 N X 310 E	0-2'	11
TI-B12-SSS-1007-2998			2'-4'	9
TI-B12-SSS-1007-2999			4'-6'	15
TI-B12-SSS-1007-3000	B12-26	70 N X 300 E	0-2'	5
TI-B12-SSS-1007-3001			2'-4'	17
TI-B12-SSS-1007-3002			4'-6'	6
TI-B12-SSS-1007-3003	B12-27	95 N X 295 E	0-2'	21
TI-B12-SSS-1007-3004			2'-4'	7
TI-B12-SSS-1007-3005			4'-6'	11
TI-B12-SSS-1007-3006	B12-28	80 N X 300 E	0-2'	9
TI-B12-SSS-1007-3007			2'-4'	10
TI-B12-SSS-1007-3008			4'-6'	12
TI-B12-SSS-1007-3009	B12-29	105 N X 295 E	0-2'	12
TI-B12-SSS-1007-3010			2'-4'	10
TI-B12-SSS-1007-3011			4'-6'	11
TI-B12-SSS-1007-3012	B12-30	80 N X 310 E	0-2'	12
TI-B12-SSS-1007-3013			2'-4'	8
			4'-6'	R
TI-B12-SSS-1007-3014	B12-31	115 N X 295 E	0-2'	23
TI-B12-SSS-1007-3015			2'-4'	10
TI-B12-SSS-1007-3016			4'-6'	7
TI-B12-SSS-1007-3017	B12-32	90 N X 310 E	0-2'	9
TI-B12-SSS-1007-3018			2'-4'	16
TI-B12-SSS-1007-3019			4'-6'	19
TI-B12-SSS-1007-3020	B12-33	125 N X 295 E	0-2'	11
TI-B12-SSS-1007-3021			2'-4'	14
TI-B12-SSS-1007-3022			4'-6'	7
TI-B12-SSS-1007-3023	B12-34	90 N X 300 E	0-2'	11
TI-B12-SSS-1007-3024			2'-4'	11
TI-B12-SSS-1007-3025			4'-6'	14
TI-B12-SSS-1007-3026	B12-35	130 N X 300 E	0-2'	15
TI-B12-SSS-1007-3027			2'-4'	9
TI-B12-SSS-1007-3028			4'-6'	11
TI-B12-SSS-1007-3029	B12-36	100 N X 310 E	0-2'	9
TI-B12-SSS-1007-3030			2'-4'	15
TI-B12-SSS-1007-3031			4'-6'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1007-3032	B12-37	100 N X 300 E	0-2'	15
TI-B12-SSS-1007-3033			2'-4'	6
TI-B12-SSS-1007-3034			4'-6'	14
TI-B12-SSS-1007-3035	B12-38	130 N X 310 E	0-2'	6
TI-B12-SSS-1007-3036			2'-4'	18
TI-B12-SSS-1007-3037			4'-6'	12
TI-B12-SSS-1007-3038	B12-39	110 N X 310 E	0-2'	14
TI-B12-SSS-1007-3039			2'-4'	6
TI-B12-SSS-1007-3040			4'-6'	18
TI-B12-SSS-1007-3041	B12-40	125 N X 285 E	0-2'	8
TI-B12-SSS-1007-3042			2'-4'	16
TI-B12-SSS-1007-3043			4'-6'	16
TI-B12-SSS-1007-3044	B12-41	110 N X 300 E	0-2'	20
TI-B12-SSS-1007-3045			2'-4'	6
TI-B12-SSS-1007-3046			4'-6'	8
TI-B12-SSS-1007-3047	B12-42	120 N X 310 E	0-2'	12
TI-B12-SSS-1007-3048			2'-4'	11
TI-B12-SSS-1007-3049			4'-6'	13
TI-B12-SSS-1007-3050	B12-43	120 N X 300 E	0-2'	10
TI-B12-SSS-1007-3051			2'-4'	12
TI-B12-SSS-1007-3052			4'-6'	10
TI-B12-SSS-1007-3053	B12-44	115 N X 285 E	0-2'	68
TI-B12-SSS-1007-3054			2'-4'	73
TI-B12-SSS-1007-3055			4'-6'	11
TI-B12-SSS-1007-3056	B12-45	130 N X 290 E	0-2'	11
TI-B12-SSS-1007-3057			2'-4'	8
TI-B12-SSS-1007-3058			4'-6'	17
TI-B12-SSS-1007-3059	B12-46	105 N X 285 E	0-2'	49
TI-B12-SSS-1007-3060			2'-4'	11
TI-B12-SSS-1007-3061			4'-6'	9
TI-B12-SSS-1007-3062	B12-47	120 N X 280 E	0-2'	21
TI-B12-SSS-1007-3063			2'-4'	6
TI-B12-SSS-1007-3064			4'-6'	7
TI-B12-SSS-1007-3065	B12-48	110 N X 280 E	0-2'	6
TI-B12-SSS-1007-3066		120 N X 290 E	2'-4'	8
TI-B12-SSS-1007-3067			4'-6'	6

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1009-3068	B12-49	95 N X 285 E	0-2'	19
TI-B12-SSS-1009-3069			2'-4'	5
TI-B12-SSS-1009-3070			4'-6'	18
TI-B12-SSS-1009-3071	B12-50	85 N X 285 E	0-2'	3
TI-B12-SSS-1009-3072			2'-4'	20
TI-B12-SSS-1009-3073			4'-6'	13
TI-B12-SSS-1009-3074	B12-51	75 N X 285 E	0-2'	24
TI-B12-SSS-1009-3075			2'-4'	9
TI-B12-SSS-1009-3076			4'-6'	14
TI-B12-SSS-1009-3077	B12-52	65 N X 285 E	0-2'	16
TI-B12-SSS-1009-3078			2'-4'	14
			4'-6'	R
TI-B12-SSS	B12-53	110 N X 290 E	0-2'	47
			2'-4'	R
			4'-6'	R
TI-B12-SSS-1010-3079	B12-54	130 N X 280E	0-2'	11
TI-B12-SSS-1010-3080			2'-4'	6
TI-B12-SSS-1010-3081			4'-6'	10
TI-B12-SSS-1010-3082	B12-55	130 N X 270 E	0-2'	14
TI-B12-SSS-1010-3083			2'-4'	6
TI-B12-SSS-1010-3084			4'-6'	10
TI-B12-SSS-1010-3085	B12-56	120 N X 270 E	0-2'	9
TI-B12-SSS-1010-3086			2'-4'	9
TI-B12-SSS-1010-3087			4'-6'	23
TI-B12-SSS-1010-3088	B12-57	55 N X 285 E	0-2'	14
TI-B12-SSS-1010-3089			2'-4'	8
TI-B12-SSS-1010-3090			4'-6'	18
TI-B12-SSS-1010-3091	B12-58	110 N X 280 E ^{120 N X 290 E}	0-2'	74
TI-B12-SSS-1010-3092			2'-4'	53
TI-B12-SSS-1010-3093			4'-6'	6
TI-B12-SSS-1010-3094	B12-59	45 N X 285 E	0-2'	12
TI-B12-SSS-1010-3095			2'-4'	10
TI-B12-SSS-1010-3096			4'-6'	13
TI-B12-SSS-1010-3097	B12-60	110 N X 270 E	0-2'	52
TI-B12-SSS-1010-3098			2'-4'	127
TI-B12-SSS-1010-3099			4'-6'	52

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1010-4000	B12-61	35 N X 285 E	0-2'	12
TI-B12-SSS-1010-4001			2'-4'	20
			4'-6'	R
TI-B12-SSS-1010-4002	B12-62	100 N X 280 E	0-2'	16
TI-B12-SSS-1010-4003			2'-4'	16
TI-B12-SSS-1010-4004			4'-6'	14
TI-B12-SSS-1010-4005	B12-63	100 N X 270E	0-2'	30
TI-B12-SSS-1010-4006			2'-4'	82
TI-B12-SSS-1010-4007			4'-6'	16
TI-B12-SSS-1010-4008	B12-64	30 N X 290 E	0-2'	17
TI-B12-SSS-1010-4009			2'-4'	10
TI-B12-SSS-1010-4010			4'-6'	9
TI-B12-SSS-1010-4011	B12-65	40 N X 290 E	0-2'	16
TI-B12-SSS-1010-4012			2'-4'	4
TI-B12-SSS-1010-4013			4'-6'	12
TI-B12-SSS-1010-4014	B12-66	90 N X 280 E	0-2'	6
TI-B12-SSS-1010-4015			2'-4'	16
TI-B12-SSS-1010-4016			4'-6'	4
TI-B12-SSS-1010-4017	B12-67	90 N X 270 E	0-2'	20
TI-B12-SSS-1010-4018			2'-4'	8
TI-B12-SSS-1010-4019			4'-6'	22
TI-B12-SSS-1010-4020	B12-68	50 N X 290 E	0-2'	7
TI-B12-SSS-1010-4021			2'-4'	17
			4'-6'	R
TI-B12-SSS-1010-4022	B12-69	80 N X 270 E	0-2'	6
TI-B12-SSS-1010-4023			2'-4'	7
TI-B12-SSS-1010-4024			4'-6'	6
TI-B12-SSS-1010-4025	B12-70	60 N X 290 E	0-2'	14
TI-B12-SSS-1010-4026			2'-4'	9
TI-B12-SSS-1010-4027			4'-6'	16
TI-B12-SSS-1010-4028	B12-71	80 N X 280 E	0-2'	9
TI-B12-SSS-1010-4029			2'-4'	11
TI-B12-SSS-1010-4030			4'-6'	15
TI-B12-SSS-1010-4031	B12-72	70 N X 270 E	0-2'	19
TI-B12-SSS-1010-4032			2'-4'	8
TI-B12-SSS-1010-4033			4'-6'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1010-4125	B12-73	70 N X 290 E	0-2'	10
TI-B12-SSS-1010-4126			2'-4'	7
TI-B12-SSS-1010-4127			4'-6'	18
TI-B12-SSS-1010-4128	B12-74	70 N X 280 E	0-2'	16
TI-B12-SSS-1010-4129			2'-4'	9
TI-B12-SSS-1010-4130			4'-6'	4
TI-B12-SSS-1010-4131	B12-75	45 N X 275 E	0-2'	21
TI-B12-SSS-1010-4132			2'-4'	14
TI-B12-SSS-1010-4133			4'-6'	9
TI-B12-SSS-1010-4134	B12-76	60 N X 270 E	0-2'	6
TI-B12-SSS-1010-4135			2'-4'	21
TI-B12-SSS-1010-4136			4'-6'	12
TI-B12-SSS-1010-4137	B12-77	60 N X 280 E	0-2'	9
TI-B12-SSS-1010-4138			2'-4'	7
TI-B12-SSS-1010-4139			4'-6'	16
TI-B12-SSS-1010-4140	B12-78	80 N X 290 E	0-2'	13
TI-B12-SSS-1010-4141			2'-4'	14
TI-B12-SSS-1010-4142			4'-6'	12
TI-B12-SSS-1010-4143	B12-79	50 N X 270 E	0-2'	4
TI-B12-SSS-1010-4144			2'-4'	20
TI-B12-SSS-1010-4145			4'-6'	8
TI-B12-SSS-1010-4146	B12-80	50 N X 280 E	0-2'	13
TI-B12-SSS-1010-4147			2'-4'	9
TI-B12-SSS-1010-4148			4'-6'	16
TI-B12-SSS-1010-4149	B12-81	90 N X 290 E	0-2'	12
TI-B12-SSS-1010-4150			2'-4'	12
TI-B12-SSS-1010-4151			4'-6'	10
TI-B12-SSS-1011-4152	B12-82	40 N X 270 E	0-2'	8
TI-B12-SSS-1011-4153			2'-4'	11
TI-B12-SSS-1011-4154			4'-6'	20
TI-B12-SSS-1011-4155	B12-83	30 N X 280 E	0-2'	6
TI-B12-SSS-1011-4156			2'-4'	11
TI-B12-SSS-1011-4157			4'-6'	13
TI-B12-SSS-1011-4158	B12-84	35 N X 275 E	0-2'	8
TI-B12-SSS-1011-4159			2'-4'	12
TI-B12-SSS-1011-4160			4'-6'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1011-4161	B12-85	30 N X 270 E	0-2'	9
TI-B12-SSS-1011-4162			2'-4'	19
TI-B12-SSS-1011-4163			4'-6'	6
TI-B12-SSS-1011-4164	B12-86	40 N X 280 E	0-2'	10
TI-B12-SSS-1011-4165			2'-4'	14
TI-B12-SSS-1011-4166			4'-6'	19
TI-B12-SSS-1011-4167	B12-87	55 N X 275 E	0-2'	17
TI-B12-SSS-1011-4168			2'-4'	6
			4'-6'	R
TI-B12-SSS-1011-4169	B12-88	125 N X 275 E	0-2'	9
TI-B12-SSS-1011-4170			2'-4'	11
TI-B12-SSS-1011-4171			4'-6'	8
TI-B12-SSS-1011-4172	B12-89	125 N X 265 E	0-2'	6
TI-B12-SSS-1011-4173			2'-4'	15
TI-B12-SSS-1011-4174			4'-6'	13
TI-B12-SSS-1011-4175	B12-90	130 N X 260 E	0-2'	14
TI-B12-SSS-1011-4176			2'-4'	14
TI-B12-SSS-1011-4177			4'-6'	7
TI-B12-SSS-1011-4178	B12-91	115 N X 265 E	0-2'	12
TI-B12-SSS-1011-4179			2'-4'	16
TI-B12-SSS-1011-4180			4'-6'	17
TI-B12-SSS-1011-4181	B12-92	120 N X 260 E	0-2'	14
TI-B12-SSS-1011-4182			2'-4'	13
TI-B12-SSS-1011-4183			4'-6'	20
TI-B12-SSS-1011-4184	B12-93	115 N X 275 E	0-2'	43
TI-B12-SSS-1011-4185			2'-4'	52
TI-B12-SSS-1011-4186			4'-6'	14
TI-B12-SSS-1011-4187	B12-94	105 N X 275 E	0-2'	68
TI-B12-SSS-1011-4188			2'-4'	92
TI-B12-SSS-1011-4189			4'-6'	52
TI-B12-SSS-1011-4190	B12-95	105 N X 265 E	0-2'	39
TI-B12-SSS-1011-4191			2'-4'	33
TI-B12-SSS-1011-4192			4'-6'	9
TI-B12-SSS-1011-4193	B12-96	110 N X 260 E	0-2'	79
TI-B12-SSS-1011-4194			2'-4'	65
			4'-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1011-4195	B12-97	95 N X 275 E	0-2'	18
TI-B12-SSS-1011-4196			2'-4'	13
TI-B12-SSS-1011-4197			4'-6'	13
TI-B12-SSS-1011-4198	B12-98	95 N X 265 E	0-2'	13
TI-B12-SSS-1011-4199			2'-4'	5
TI-B12-SSS-1011-4200			4'-6'	15
TI-B12-SSS-1011-4201	B12-99	100 N X 260 E	0-2'	22
TI-B12-SSS-1011-4202			2'-4'	13
TI-B12-SSS-1011-4203			4'-6'	16
TI-B12-SSS-1011-4204	B12-100	85 N X 265 E	0-2'	16
TI-B12-SSS-1011-4205			2'-4'	10
TI-B12-SSS-1011-4206			4'-6'	R
TI-B12-SSS-1011-4207	B12-101	85 N X 275 E	0-2'	9
TI-B12-SSS-1011-4208			2'-4'	8
TI-B12-SSS-1011-4209			4'-6'	7
TI-B12-SSS-1011-4210	B12-102	90 N X 260 E	0-2'	7
TI-B12-SSS-1011-4211			2'-4'	5
TI-B12-SSS-1011-4212			4'-6'	12
TI-B12-SSS-1011-4213	B12-103	75 N X 275 E	0-2'	11
TI-B12-SSS-1011-4214			2'-4'	4
TI-B12-SSS-1011-4215			4'-6'	15
TI-B12-SSS-1011-4216	B12-104	75 N X 265 E	0-2'	14
TI-B12-SSS-1011-4217			2'-4'	7
TI-B12-SSS-1011-4218			4'-6'	16
TI-B12-SSS-1011-4219	B12-105	80 N X 260 E	0-2'	7
TI-B12-SSS-1011-4220			2'-4'	17
TI-B12-SSS-1011-4221			4'-6'	11
TI-B12-SSS-1011-4222	B12-106	65 N X 275 E	0-2'	12
TI-B12-SSS-1011-4223			2'-4'	5
TI-B12-SSS-1011-4224			4'-6'	15
TI-B12-SSS-1011-4225	B12-107	65 N X 265 E	0-2'	13
TI-B12-SSS-1011-4226			2'-4'	20
TI-B12-SSS-1011-4227			4'-6'	9
TI-B12-SSS-1011-4228	B12-108	70 N X 260 E	0-2'	12
TI-B12-SSS-1011-4229			2'-4'	8
TI-B12-SSS-1011-4230			4'-6'	16

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1011-4231	B12-109	60 N X 260 E	0-2'	4
TI-B12-SSS-1011-4232			2'-4'	10
TI-B12-SSS-1011-4233			4'-6'	16
TI-B12-SSS-1012-4234	B12-110	55 N X 265 E	0-2'	15
TI-B12-SSS-1012-4235			2'-4'	23
TI-B12-SSS-1012-4236			4'-6'	10
TI-B12-SSS-1012-4237	B12-111	125 N X 255 E	0-2'	4
TI-B12-SSS-1012-4238			2'-4'	13
TI-B12-SSS-1012-4239			4'-6'	9
TI-B12-SSS-1012-4240	B12-112	45 N X 265 E	0-2'	17
TI-B12-SSS-1012-4241			2'-4'	6
TI-B12-SSS-1012-4242			4'-6'	14
TI-B12-SSS-1012-4243	B12-113	50 N X 260 E	0-2'	12
TI-B12-SSS-1012-4244			2'-4'	9
TI-B12-SSS-1012-4245			4'-6'	15
TI-B12-SSS-1012-4246	B12-114	135 N X 255 E	0-2'	8
TI-B12-SSS-1012-4247			2'-4'	15
TI-B12-SSS-1012-4248			4'-6'	11
TI-B12-SSS-1012-4249	B12-115	40 N X 260 E	0-2'	15
TI-B12-SSS-1012-4250			2'-4'	9
TI-B12-SSS-1012-4251			4'-6'	14
TI-B12-SSS-1012-4252	B12-116	35 N X 265 E	0-2'	9
TI-B12-SSS-1012-4253			2'-4'	20
TI-B12-SSS-1012-4254			4'-6'	28
TI-B12-SSS-1012-4337	B12-117	115 N X 255 E	0-2'	12
TI-B12-SSS-1012-4338			2'-4'	16
TI-B12-SSS-1012-4339			4'-6'	13
TI-B12-SSS-1012-4340	B12-118	105 N X 255 E	0-2'	90
TI-B12-SSS-1012-4341			2'-4'	12
TI-B12-SSS-1012-4342			4'-6'	9
TI-B12-SSS-1012-4342	B12-119	130 N X 250 E	0-2'	13
TI-B12-SSS-1012-4343			2'-4'	9
TI-B12-SSS-1012-4344			4'-6'	11
TI-B12-SSS-1012-4345	B12-120	30 N X 260 E	0-2'	13
TI-B12-SSS-1012-4346			2'-4'	13
TI-B12-SSS-1012-4347			4'-6'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1012-4348	B12-121	95 N X 255E	0-2'	9
TI-B12-SSS-1012-4349			2'-4'	5
TI-B12-SSS-1012-4350			4'-6'	16
TI-B12-SSS-1012-4352	B12-122	85 N X 255 E	0-2'	10
TI-B12-SSS-1012-4353			2'-4'	15
TI-B12-SSS-1012-4354			4'-6'	11
TI-B12-SSS-1012-4355	B12-123	120 N X 250 E	0-2'	14
TI-B12-SSS-1012-4356			2'-4'	7
TI-B12-SSS-1012-4357			4'-6'	9
TI-B12-SSS-1012-4358	B12-124	125 N X 245 E	0-2'	12
TI-B12-SSS-1012-4359			2'-4'	12
TI-B12-SSS-1012-4360			4'-6'	18
TI-B12-SSS-1012-4361	B12-125	75 N X 255 E	0-2'	13
TI-B12-SSS-1012-4362			2'-4'	22
			4'-6'	R
TI-B12-SSS-1012-4363	B12-126	110 N X 250 E	0-2'	92
TI-B12-SSS-1012-4364			2'-4'	22
			4'-6'	R
TI-B12-SSS-1012-4365	B12-127	115 N X 245 E	0-2'	5
TI-B12-SSS-1012-4366			2'-4'	14
TI-B12-SSS-1012-4367			4'-6'	15
TI-B12-SSS-1012-4368	B12-128	65 N X 255 E	0-2'	8
TI-B12-SSS-1012-4369			2'-4'	11
TI-B12-SSS-1012-4370			4'-6'	16
TI-B12-SSS-1012-4371	B12-129	100 N X 250 E	0-2'	10
TI-B12-SSS-1012-4372			2'-4'	7
TI-B12-SSS-1012-4373			4'-6'	9
TI-B12-SSS-1012-4374	B12-130	55 N X 255 E	0-2'	17
TI-B12-SSS-1012-4375			2'-4'	15
TI-B12-SSS-1012-4376			4'-6'	15
TI-B12-SSS-1012-4377	B12-131	90 N X 250 E	0-2'	12
TI-B12-SSS-1012-4378			2'-4'	7
TI-B12-SSS-1012-4379			4'-6'	4
TI-B12-SSS-1012-4380	B12-132	105 N X 245 E	0-2'	29
TI-B12-SSS-1012-4381			2'-4'	10
TI-B12-SSS-1012-4382			4'-6'	13

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1012-4383	B12-133	45 N X 255 E	0-2'	11
TI-B12-SSS-1012-4384			2'-4'	12
			4'-6'	R
TI-B12-SSS-1012-4385	B12-134	80 N X 250 E	0-2'	7
TI-B12-SSS-1012-4386			2'-4'	10
			4'-6'	R
TI-B12-SSS-1012-4387	B12-135	35 N X 255 E	0-2'	10
TI-B12-SSS-1012-4388			2'-4'	24
TI-B12-SSS-1012-4389			4'-6'	12
TI-B12-SSS-1012-4390	B12-136	95 N X 245 E	0-2'	12
TI-B12-SSS-1012-4391			2'-4'	13
			4'-6'	R
TI-B12-SSS-1012-4392	B12-137	70 N X 250 E	0-2'	15
TI-B12-SSS-1012-4393			2'-4'	12
			4'-6'	R
TI-B12-SSS-1013-4394	B12-138	130 N X 240 E	0-2'	11
			2'-4'	R
			4'-6'	R
TI-B12-SSS-1013-4395	B12-139	85 N X 245 E	0-2'	9
TI-B12-SSS-1013-4396			2'-4'	8
TI-B12-SSS-1013-4397			4'-6'	17
TI-B12-SSS-1013-4398	B12-140	60 N X 250 E	0-2'	4
TI-B12-SSS-1013-4399			2'-4'	21
TI-B12-SSS-1013-4400			4'-6'	21
TI-B12-SSS-1013-4401	B12-141	120 N X 240 E	0-2'	9
TI-B12-SSS-1013-4402			2'-4'	13
TI-B12-SSS-1013-4403			4'-6'	6
TI-B12-SSS-1013-4404	B12-142	75NX245E	0-2'	10
TI-B12-SSS-1013-4405			2'-4'	10
TI-B12-SSS-1013-4406			4'-6'	10
TI-B12-SSS-1013-4407	B12-143	50NX250E	0-2'	14
TI-B12-SSS-1013-4408			2'-4'	10
TI-B12-SSS-1013-4409			4'-6'	12
TI-B12-SSS-1013-4410	B12-144	65NX245E	0-2'	7
TI-B12-SSS-1013-4411			2'-4'	9
TI-B12-SSS-1013-4412			4'-6'	23

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1013-4413	B12-145	110NX240E	0-2'	14
TI-B12-SSS-1013-4414			2'-4'	15
TI-B12-SSS-1013-4415			4'-6'	15
TI-B12-SSS-1013-4416	B12-146	100NX240E	0-2'	13
TI-B12-SSS-1013-4417			2'-4'	13
TI-B12-SSS-1013-4418			4'-6'	14
TI-B12-SSS-1013-4419	B12-147	55NX245E	0-2'	11
TI-B12-SSS-1013-4420			2'-4'	9
TI-B12-SSS-1013-4421			4'-6'	14
TI-B12-SSS-1013-4422	B12-148	40NX250E	0-2'	6
TI-B12-SSS-1013-4423			2'-4'	10
TI-B12-SSS-1013-4424			4'-6'	12
TI-B12-SSS-1013-4425	B12-149	90NX240E	0-2'	16
TI-B12-SSS-1013-4426			2'-4'	13
TI-B12-SSS-1013-4427			4'-6'	10
TI-B12-SSS-1013-4428	B12-150	30NX250E	0-2'	16
TI-B12-SSS-1013-4429			2'-4'	15
TI-B12-SSS-1013-4430			4'-6'	15
TI-B12-SSS-1013-4431	B12-151	45NX245E	0-2'	8
TI-B12-SSS-1013-4432			2'-4'	12
TI-B12-SSS-1013-4433			4'-6'	11
TI-B12-SSS-1013-4434	B12-152	80NX250E	0-2'	4
TI-B12-SSS-1013-4435			2'-4'	11
TI-B12-SSS-1013-4436			4'-6'	5
TI-B12-SSS-1013-4441	B12-153	35NX245E	0-2'	15
TI-B12-SSS-1013-4442			2'-4'	9
TI-B12-SSS-1013-4437			4'-6'	11
TI-B12-SSS-1013-4438	B12-154	135NX235E	0-2'	10
TI-B12-SSS-1013-4439			2'-4'	18
TI-B12-SSS-10134440			4'-6'	8
TI-B12-SSS-1013-4443	B12-155	70NX240E	0-2'	15
TI-B12-SSS-1013-4444			2'-4'	11
TI-B12-SSS-1013-4445			4'-6'	17
TI-B12-SSS-1013-4446	B12-156	125NX235E	0-2'	10
TI-B12-SSS-1013-4447			2'-4'	14
TI-B12-SSS-1013-4448			4'-6'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1013-4452	B12-157	140NX226E	0-2'	14
TI-B12-SSS-1013-4449			2'-4'	8
TI-B12-SSS-1013-4450			4'-6'	18
TI-B12-SSS-1013-4453	B12-158	60NX240E	0-2'	3
TI-B12-SSS-1013-4454			2'-4'	9
TI-B12-SSS-1013-4451			4'-6'	RFUSAL
TI-B12-SSS-1013-4455	B12-159	50NX240E	0-2'	11
TI-B12-SSS-1013-4456			2'-4'	10
TI-B12-SSS-1013-4457			4'-6'	20
TI-B12-SSS-1013-4458	B12-160	115NX235E	0-2'	9
TI-B12-SSS-1013-4499			2'-4'	17
TI-B12-SSS-1013-4459			4'-6'	8
TI-B12-SSS-1013-4460	B12-161	40NX240E	0-2'	13
TI-B12-SSS-1013-4461			2'-4'	8
TI-B12-SSS-1013-4462			4'-6'	12
TI-B12-SSS-1013-4463	B12-162	130NX226E	0-2'	5
TI-B12-SSS-1013-4464			2'-4'	14
TI-B12-SSS-1013-4465			4'-6'	10
TI-B12-SSS-1013-4466	B12-163	105NX235E	0-2'	15
TI-B12-SSS-1013-4467			2'-4'	9
TI-B12-SSS-1013-4468			4'-6'	17
TI-B12-SSS-1014-4469	B12-164	110NX230E	0-2'	18
TI-B12-SSS-1014-4470			2'-4'	9
TI-B12-SSS-1014-4471			4'-6'	7
TI-B12-SSS-1014-4472	B12-165	95NX235E	0-2'	15
TI-B12-SSS-1014-4473			2'-4'	6
TI-B12-SSS-1014-4474			4'-6'	12
TI-B12-SSS-1014-4475	B12-166	85NX235E	0-2'	18
TI-B12-SSS-1014-4476			2'-4'	7
TI-B12-SSS-1014-4477			4'-6'	14
TI-B12-SSS-1014-4478	B12-167	100NX230E	0-2'	17
TI-B12-SSS-1014-4479			2'-4'	10
TI-B12-SSS-1014-4480			4'-6'	16
TI-B12-SSS-1014-4481	B12-168	30NX240E	0-2'	12
TI-B12-SSS-1014-4482			2'-4'	22
TI-B12-SSS-1014-4483			4'-6'	11

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1014-4484	B12-169	75NX235E	0-2'	10
TI-B12-SSS-1014-4485			2'-4'	14
TI-B12-SSS-1014-4486			4'-6'	11
TI-B12-SSS-1014-4487	B12-170	90NX230E	0-2'	11
TI-B12-SSS-1014-4488			2'-4'	7
TI-B12-SSS-1014-4489			4'-6'	13
TI-B12-SSS-1014-4490	B12-171	145NX225E	0-2'	18
TI-B12-SSS-1014-4491			2'-4'	14
TI-B12-SSS-1014-4492			4'-6'	17
TI-B12-SSS-1014-4493	B12-172	65NX235E	0-2'	9
TI-B12-SSS-1014-4494			2'-4'	24
TI-B12-SSS-1014-4495			4'-6'	22
TI-B12-SSS-1014-4496	B12-173	80NX230E	0-2'	9
TI-B12-SSS-1014-4497			2'-4'	13
TI-B12-SSS-1014-4498			4'-6'	10
TI-B12-SSS-1014-4500	B12-174	115NX225E	0-2'	9
TI-B12-SSS-1014-4501			2'-4'	15
TI-B12-SSS-1014-4502			4'-6'	7
TI-B12-SSS-1014-4503	B12-175	70NX230E	0-2'	11
TI-B12-SSS-1014-4504			2'-4'	18
TI-B12-SSS-1014-4505			4'-6'	23
TI-B12-SSS-1014-4506	B12-176	55NX235E	0-2'	11
TI-B12-SSS-1014-4507			2'-4'	27
TI-B12-SSS-1014-4508			4'-6'	20
TI-B12-SSS-1014-4509	B12-177	105NX225E	0-2'	80
TI-B12-SSS-1014-4510			2'-4'	16
TI-B12-SSS-1014-4511			4'-6'	14
TI-B12-SSS-1014-4512	B12-178	95NX225E	0-2'	11
TI-B12-SSS-1014-4513			2'-4'	9
TI-B12-SSS-1014-4514			4'-6'	5
TI-B12-SSS-1014-4515	B12-179	45NX235E	0-2'	9
TI-B12-SSS-1014-4516			2'-4'	13
TI-B12-SSS-1014-4517			4'-6'	R
TI-B12-SSS-1014-4518	B12-180	60NX230E	0-2'	18
TI-B12-SSS-1014-4519			2'-4'	27
TI-B12-SSS-1014-4520			4'-6'	16

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1014-4521	B12-181A	85NX225E	0-2'	11
TI-B12-SSS-1014-4522	B12-181B	85NX225E	0-2'	17
TI-B12-SSS-1014-4523	B12-182	35NX235E	0-2'	10
TI-B12-SSS-1014-4524			2'-4'	14
TI-B12-SSS-1014-4525			4'-6'	13
TI-B12-SSS-1014-4526	B12-183	50NX230E	0-2'	14
TI-B12-SSS-1014-4527			2'-4'	7
TI-B12-SSS-1014-4528			4'-6'	16
TI-B12-SSS-1014-4529	B12-184	75NX225E	0-2'	12
TI-B12-SSS-1014-4530			2'-4'	18
TI-B12-SSS-1014-4531			4'-6'	9
TI-B12-SSS-1014-4532	B12-185	50NX220E	0-2'	17
TI-B12-SSS-1014-4533			2'-4'	13
TI-B12-SSS-1014-4534			4'-6'	18
TI-B12-SSS-1014-4535	B12-186	40NX230E	0-2'	10
			2'-4'	R
TI-B12-SSS-1014-4536			4'-6'	7
TI-B12-SSS-1014-4537	B12-187	65NX225E	0-2'	10
TI-B12-SSS-1014-4538			2'-4'	25
TI-B12-SSS-1014-4539			4'-6'	31
TI-B12-SSS-1014-4540	B12-188	40NX220E	0-2'	16
TI-B12-SSS-1014-4541			2'-4'	15
TI-B12-SSS-1014-4542			4'-6'	17
TI-B12-SSS-1014-4543	B12-189	55NX225E	0-2'	6
TI-B12-SSS-1014-4544			2'-4'	17
TI-B12-SSS-1014-4545			4'-6'	17
TI-B12-SSS-1014-4546	B12-190	30NX230E	0-2'	10
TI-B12-SSS-1014-4547			2'-4'	6
TI-B12-SSS-1014-4548			4'-6'	15
TI-B12-SSS-1015-4549	B12-191	45NX225E	0-2'	14
TI-B12-SSS-1015-4550			2'-4'	17
TI-B12-SSS-1015-4551			4'-6'	8
TI-B12-SSS-1015-4552	B12-192	40NX210E	0-2'	19
TI-B12-SSS-1015-4553			2'-4'	12
TI-B12-SSS-1015-4554			4'-6'	14

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1015-4555	B12-193	45NX215E	0-2'	14
TI-B12-SSS-1015-4556			2'-4'	NO RECOV
TI-B12-SSS-1015-4557			4'-6'	19
TI-B12-SSS-1015-4558	B12-194	90NX220E	0-2'	4
TI-B12-SSS-1015-4559			2'-4'	8
TI-B12-SSS-1015-4560			4'-6'	4
TI-B12-SSS-1015-4561	B12-195	30NX210E	0-2'	18
TI-B12-SSS-1015-4562			2'-4'	6
TI-B12-SSS-1015-4563			4'-6'	9
TI-B12-SSS-1015-4564	B12-196	35NX225E	0-2'	10
TI-B12-SSS-1015-4565			2'-4'	21
TI-B12-SSS-1015-4566			4'-6'	11
TI-B12-SSS-1015-4567	B12-197	110NX210E	0-2'	19
TI-B12-SSS-1015-4568			2'-4'	112
TI-B12-SSS-1015-4569			4'-6'	139
TI-B12-SSS-1015-4570	B12-198	135NX215E	0-2'	13
TI-B12-SSS-1015-4571			2'-4'	14
TI-B12-SSS-1015-4572			4'-6'	16
TI-B12-SSS-1015-4573	B12-199	100NX220E	0-2'	18
TI-B12-SSS-1015-4574			2'-4'	3
TI-B12-SSS-1015-4575			4'-6'	9
TI-B12-SSS-1015-4576	B12-200	110NX220E	0-2'	16
TI-B12-SSS-1015-4577			2'-4'	19
TI-B12-SSS-1015-4578			4'-6'	92
TI-B12-SSS-1015-4579	B12-201	125NX215E	0-2'	26
TI-B12-SSS-1015-4580			2'-4'	16
TI-B12-SSS-1015-4581			4'-6'	16
TI-B12-SSS-1015-4582	B12-202	105NX205E	0-2'	21
TI-B12-SSS-1015-4583			2'-4'	33
TI-B12-SSS-1015-4584			4'-6'	12
TI-B12-SSS-1015-4585	B12-203	115NX215E	0-2'	22
TI-B12-SSS-1015-4586			2'-4'	21
TI-B12-SSS-1015-4587			4'-6'	22
TI-B12-SSS-1015-4588	B12-204	120NX220E	0-2'	16
TI-B12-SSS-1015-4589			2'-4'	13
TI-B12-SSS-1015-4590			4'-6'	15

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1015-4591	B12-205	145NX215E	0-2'	11
TI-B12-SSS-1015-4592			2'-4'	19
TI-B12-SSS-1015-4593			4'-6'	14
TI-B12-SSS-1015-4594	B12-206	105NX195E	0-2'	10
TI-B12-SSS-1015-4595			2'-4'	34
TI-B12-SSS-1015-4596			4'-6'	43
TI-B12-SSS-1015-4597	B12-207	105NX215E	0-2'	14
TI-B12-SSS-1015-4598			2'-4'	14
			4'-6'	REFUSAL
TI-B12-SSS-1015-4599	B12-208	130NX220E	0-2'	15
			2'-4'	REFUSAL
			4'-6'	REFUSAL
TI-B12-SSS-1015-4600	B12-209	105NX185E	0-2'	20
TI-B12-SSS-1015-4601			2'-4'	16
TI-B12-SSS-1015-4602			4'-6'	10
TI-B12-SSS-1015-4603	B12-210	105NX175E	0-2'	12
TI-B12-SSS-1015-4604			2'-4'	3
TI-B12-SSS-1015-4605			4'-6'	12
TI-B12-SSS-1015-4606	B12-211	95NX215E	0-2'	18
TI-B12-SSS-1015-4607			2'-4'	8
TI-B12-SSS-1015-4608			4'-6'	17
TI-B12-SSS-1015-4609	B12-212	140NX220E	0-2'	18
TI-B12-SSS-1015-4610			2'-4'	12
TI-B12-SSS-1015-4611			4'-6'	7
TI-B12-SSS-1015-4612	B12-213	105NX185E	0-2'	16
TI-B12-SSS-1015-4613			2'-4'	8
TI-B12-SSS-1015-4614			4'-6'	17
TI-B12-SSS-1016-4615	B12-214	90NX210E	0-2'	8
TI-B12-SSS-1016-4616			2'-4'	17
TI-B12-SSS-1016-4617			4'-6'	10
TI-B12-SSS-1016-4618	B12-215	95NX205E	0-2'	14
TI-B12-SSS-1016-4619			2'-4'	17
			4'-6'	REFUSAL

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1016-4620	B12-216	110NX180E	0-2'	16
TI-B12-SSS-1016-4621			2'-4'	16
TI-B12-SSS-1016-4622			4'-6'	6
TI-B12-SSS-1016-4623	B12-217	90NX200E	0-2'	26
TI-B12-SSS-1016-4624			2'-4'	10
TI-B12-SSS-1016-4625			4'-6'	18
TI-B12-SSS-1016-4626	B12-218	110NX170E	0-2'	22
TI-B12-SSS-1016-4627			2'-4'	6
TI-B12-SSS-1016-4628			4'-6'	20
TI-B12-SSS-1016-4629	B12-219	95NX195E	0-2'	19
TI-B12-SSS-1016-4630			2'-4'	22
TI-B12-SSS-1016-4631			4'-6'	23
TI-B12-SSS-1016-4632	B12-220	90NX190E	0-2'	21
TI-B12-SSS-1016-4633			2'-4'	45
TI-B12-SSS-1016-4634			4'-6'	11
TI-B12-SSS-1016-4635	B12-221	110NX180E	0-2'	30
TI-B12-SSS-1016-4636			2'-4'	8
TI-B12-SSS-1016-4637			4'-6'	15
TI-B12-SSS-1016-4638	B12-222	90NX180E	0-2'	12
TI-B12-SSS-1016-4639			2'-4'	20
TI-B12-SSS-1016-4640			4'-6'	22
TI-B12-SSS-1016-4641	B12-223	95NX185E	0-2'	22
TI-B12-SSS-1016-4642			2'-4'	7
TI-B12-SSS-1016-4643			4'-6'	8
TI-B12-SSS-1016-4644	B12-224	110NX150E	0-2'	16
TI-B12-SSS-1016-4645			2'-4'	23
TI-B12-SSS-1016-4646			4'-6'	4
TI-B12-SSS-1016-4647	B12-225	95NX175E	0-2'	13
TI-B12-SSS-1016-4648			2'-4'	212
TI-B12-SSS-1016-4649			4'-6'	16
TI-B12-SSS-1016-4650	B12-226	95NX165E	0-2'	22
TI-B12-SSS-1016-4651			2'-4'	66
TI-B12-SSS-1016-4652			4'-6'	153
TI-B12-SSS-1016-4653	B12-227	105NX155E	0-2'	25
TI-B12-SSS-1016-4654			2'-4'	10
TI-B12-SSS-1016-4655			4'-6'	17

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1016-4656	B12-228	90NX160E	0-2'	9
TI-B12-SSS-1016-4657			2'-4'	28
TI-B12-SSS-1016-4658			4'-6'	22
TI-B12-SSS-1016-4659	B12-229	95NX155E	0-2'	37
TI-B12-SSS-1016-4660			2'-4'	108
TI-B12-SSS-1016-4661			4'-6'	30
TI-B12-SSS-1016-4662	B12-230	100NX140E	0-2'	10
TI-B12-SSS-1016-4663			2'-4'	182
TI-B12-SSS-1016-4664			4'-6'	15
TI-B12-SSS-1016-4665	B12-231	100NX150E	0-2'	151
TI-B12-SSS-1016-4666			2'-4'	130
TI-B12-SSS-1016-4667			4'-6'	3
TI-B12-SSS-1016-4668	B12-232	90NX150E	0-2'	13
TI-B12-SSS-1016-4669			2'-4'	184
TI-B12-SSS-1016-4670			4'-6'	33
TI-B12-SSS-1016-4671	B12-233	100NX210E	0-2'	13
			2'-4'	REFUSAL
			4'-6'	REFUSAL
TI-B12-SSS-1016-4672	B12-234	100NX160E	0-2'	99
TI-B12-SSS-1016-4673			2'-4'	155
TI-B12-SSS-1016-4674			4'-6'	38
TI-B12-SSS-1016-4675	B12-235	100NX200E	0-2'	22
TI-B12-SSS-1016-4676			2'-4'	16
TI-B12-SSS-1016-4677			4'-6'	20
TI-B12-SSS-1016-4678	B12-236	85NX155E	0-2'	8
TI-B12-SSS-1016-4679			2'-4'	16
TI-B12-SSS-1016-4680			4'-5'	9
TI-B12-SSS-1016-4681	B12-237	100NX190E	0-2'	23
TI-B12-SSS-1016-4682			2'-4'	19
TI-B12-SSS-1016-4683			4'-6'	28
TI-B12-SSS-1016-4684	B12-238	100NX170E	0-2'	7
TI-B12-SSS-1016-4685			2'-4'	149
			4'-6'	REFUSAL
TI-B12-SSS-1016-4686	B12-239	85NX165E	0-2'	12
TI-B12-SSS-1016-4687			2'-4'	17
TI-B12-SSS-1016-4688			4'-6'	83

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1016-4689	B12-240	100NX180E	0-2'	5
TI-B12-SSS-1016-4690			2'-4'	10
TI-B12-SSS-1016-4691			4'-6'	11
TI-B12-SSS-1017-4692	B12-241	85NX185E	0-2'	15
TI-B12-SSS-1017-4693			2'-4'	17
TI-B12-SSS-1017-4694			4'-6'	6
TI-B12-SSS-1017-4695	B12-242	85NX175E	0-2'	11
TI-B12-SSS-1017-4696			2'-4'	19
TI-B12-SSS-1017-4697			4'-6'	22
TI-B12-SSS-1017-4698	B12-243	105NX145E	0-2'	11
TI-B12-SSS-1017-4699			2'-4'	9
TI-B12-SSS-1017-4700			4'-6'	16
TI-B12-SSS-1017-4701	B12-244	76NX150E	0-2'	6
TI-B12-SSS-1017-4702			2'-4'	16
			4'-6'	REFUSAL
TI-B12-SSS-1017-4703	B12-245	95NX145E	0-2'	10
TI-B12-SSS-1017-4704			2'-4'	312
TI-B12-SSS-1017-4705			4'-6'	19
TI-B12-SSS-1017-4706	B12-246	90NX140E	0-2'	17
TI-B12-SSS-1017-4707			2'-4'	186
TI-B12-SSS-1017-4708			4'-6'	18
TI-B12-SSS-1017-4709	B12-247	76NX160E	0-2'	7
TI-B12-SSS-1017-4710			2'-4'	13
TI-B12-SSS-1017-4711			4'-6'	14
TI-B12-SSS-1017-4712	B12-248	85NX145E	0-2'	21
TI-B12-SSS-1017-4713			2'-4'	8
TI-B12-SSS-1017-4714			4'-6'	15
TI-B12-SSS-1017-4715	B12-249	76NX170E	0-2'	12
TI-B12-SSS-1017-4716			2'-4'	9
TI-B12-SSS-1017-4717			4'-6'	6
TI-B12-SSS-1017-4718	B12-250	76NX176E	0-2'	9
TI-B12-SSS-1017-4719			2'-4'	14
TI-B12-SSS-1017-4720			4'-6'	7
TI-B12-SSS-1017-4721	B12-251	76 N X 180 E	0-2'	7
TI-B12-SSS-1017-4722			2'-4'	12
			4'-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1018-4723	B12-252	76 N X 185 E	0-2'	11
			2'-4'	R
			4'-6'	R
TI-B12-SSS-1018-4724	B12-253	76 N X 190 E	0-2'	14
TI-B12-SSS-1018-4725			2'-4'	10
TI-B12-SSS-1018-4726			4'-6'	10
TI-B12-SSS-1018-4727	B12-254	70 N X 160 E	0-2'	31
TI-B12-SSS-1018-4728			2'-4'	14
TI-B12-SSS-1018-4729			4'-6'	30
TI-B12-SSS-1018-4730	B12-255	70 N X 170E	0-2'	10
TI-B12-SSS-1018-4731			2'-4'	18
TI-B12-SSS-1018-4732			4'-6'	9
TI-B12-SSS-1022-4733	B12-256	73 N X 180 E	0-2'	16
TI-B12-SSS-1022-4734			2'-4'	16
TI-B12-SSS-1022-4735			4'-6'	16
TI-B12-SSS-1022-4734	B12-257	73 N X 175 E	0-2'	8
TI-B12-SSS-1022-4735			2'-4'	16
			4'-6'	R
TI-B12-SSS-1022-4736	B12-258	73 N X 165 E	0-2'	15
TI-B12-SSS-1022-4737			2'-4'	19
			4'-6'	R
TI-B12-SSS-1022-4738	B12-259	73 N X 155 E	0-2'	10
			2'-4'	R
TI-B12-SSS-1022-4739			4'-6'	12
TI-B12-SSS-1022-4741	B12-260	70 N X 165 E	0-2'	14
TI-B12-SSS-1022-4742			2'-4'	18
TI-B12-SSS-1022-4740			4'-6'	14
TI-B12-SSS-1022-4743	B12-261	72 N X 170 E	0-2'	8
TI-B12-SSS-1022-4744			2'-4'	5
TI-B12-SSS-1022-4745			4'-6'	14
TI-B12-SSS-1023-4746	B12-262	70 N X 190 E	0-2'	17
TI-B12-SSS-1023-4747			2'-4'	19
TI-B12-SSS-1023-4748			4'-6'	9
TI-B12-SSS-1023-4749	B12-263	70 N X 180 E	0-2'	16
TI-B12-SSS-1023-4750			2'-4'	10
TI-B12-SSS-1023-4751			4'-6'	8

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	B12-264	SEE HILL	0-2'	
			2'-4'	
			4'-6'	
	B12-265	SEE HILL	0-2'	
			2'-4'	
			4'-6'	
TI-B12-SSS-1024-4766	B12-266	164 N X 200 E	0-2'	16
TI-B12-SSS-1024-4767			2'-4'	52
TI-B12-SSS-1024-4768			4'-6'	26
TI-B12-SSS-1024-4769	B12-267	180 N X 200 E	0-2'	28
TI-B12-SSS-1024-4770			2'-4'	7
TI-B12-SSS-1024-4771			4'-6'	R
TI-B12-SSS-1024-4772	B12-268	164 N X 195 E	0-2'	19
TI-B12-SSS-1024-4773			2'-4'	16
TI-B12-SSS-1024-47			4'-6'	65
TI-B12-SSS-1024-4774	B12-269	164 N X 190 E	0-2'	10
TI-B12-SSS-1024-4775			2'-4'	126
			4'-6'	R
TI-B12-SSS-1024-4776	B12-270	180 N X 190 E	0-2'	23
TI-B12-SSS-1024-4777			2'-4'	8
			4'-6'	R
TI-B12-SSS-1025-4778	B12-271	165 N X 185E	0-2'	36
TI-B12-SSS-1025-4779			2'-4'	21
TI-B12-SSS-1025-4780			4'-6'	12
TI-B12-SSS-1025-4781	B12-272	180 N X 180 E	0-2'	13
			2'-4'	R
			4'-6'	R
TI-B12-SSS-1025-4782	B12-273	175 N X 195 E	0-2'	9
TI-B12-SSS-1025-4783			2'-4'	20
			4'-6'	R
TI-B12-SSS-1025-4784	B12-274	164 N X 180 E	0-2'	24
TI-B12-SSS-1025-4785			2'-4'	55
TI-B12-SSS-1025-4786			4'-6'	18
TI-B12-SSS-1025-4787	B12-275	175 N X 190 E	0-2'	16
TI-B12-SSS-1025-4788			2-4'	10
TI-B12-SSS-1025-4789			4-6'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1025-4790	B12-276	167 N X 180 E	0-2'	39
TI-B12-SSS-1025-4791			2-4'	26
TI-B12-SSS-1025-4792			4-6'	17
TI-B12-SSS-1025-4793	B12-277	175 N X 185 E	0-2'	15
TI-B12-SSS-1025-4794			2-4'	10
TI-B12-SSS-1025-4795			4-6'	6
TI-B12-SSS-1025-4796	B12-278	167 N X 185 E	0-2'	19
TI-B12-SSS-1025-4797			2-4'	26
TI-B12-SSS-1025-4798			4-6'	14
TI-B12-SSS-1025-4799	B12-279	175 N X 180 E	0-2'	13
			2-4'	R
			4-6'	R
TI-B12-SSS-1025-4800	B12-280	167 N X 190 E	0-2'	24
TI-B12-SSS-1025-4801			2-4'	44
TI-B12-SSS-1025-4802			4-6'	59
TI-B12-SSS-1025-4803	B12-281	170 N X 185 E	0-2'	32
TI-B12-SSS-1025-4804			2-4'	11
TI-B12-SSS-1025-4805			4-6'	9
TI-B12-SSS-1025-4806	B12-282	167N X 195 E	0-2'	21
TI-B12-SSS-1025-4807			2-4'	96
TI-B12-SSS-1025-4808			4-6'	59
TI-B12-SSS-1025-4809	B12-283	170 N X 200 E	0-2'	9
TI-B12-SSS-1025-4810			2-4'	89
			4-6'	R
TI-B12-SSS-1025-4811	B12-284	170 N X 180 E	0-2'	11
TI-B12-SSS-1025-4812			2-4'	R
			4-6'	R
TI-B12-SSS-1025-4813	B12-285	170 N X 195 E	0-2'	17
TI-B12-SSS-1025-4814			2-4'	13
TI-B12-SSS-1025-4815			4-6'	60
TI-B12-SSS-1025-4816	B12-286	170 N X 190 E	0-2'	8
TI-B12-SSS-1025-4817			2-4'	31
			4-6'	R
	B12-287	HILL	0-2'	
			2-4'	
			4-6'	

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	B12-288	HILL	0-2'	
			2-4'	
			4-6'	
TI-B12-SSS-1026-4834	B12-289	135 N X 265 E	0-2'	11
TI-B12-SSS-1026-4835			2-4'	5
TI-B12-SSS-1026-4836			4-6'	10
TI-B12-SSS-1026-4837	B12-290	135 N X 275 E	0-2'	15
TI-B12-SSS-1026-4838			2-4'	14
			4-6'	R
	B12-291	HILL	0-2'	
			2-4'	
			4-6'	
	B12-292	HILL	0-2'	
			2-4'	
			4-6'	
	B12-293	HILL	0-2'	
			2-4'	
			4-6'	
	B12-294	HILL	0-2'	
			2-4'	
			4-6'	
	B12-295	HILL	0-2'	
			2-4'	
			4-6'	
TI-B12-SSS-1027-4877	B12-296	125 N X 180 E	0-2'	4
TI-B12-SSS-1027-4878			2-4'	11
			4-6'	R
TI-B12-SSS-1027-4879	B12-297	115 N X 165 E	0-2'	7
TI-B12-SSS-1027-4880			2-4'	29
TI-B12-SSS-1027-4881			4-6'	32
TI-B12-SSS-1027-4882	B12-298	125 N X 175 E	0-2'	9
			2-4'	R
			4-6'	R
TI-B12-SSS-1027-4883	B12-299	125 N X 170 E	0-2'	13
TI-B12-SSS-1027-4884			2-4'	19
TI-B12-SSS-1027-4885			4-6'	18

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1027-4886	B12-300	120 N X 180 E	0-2'	8
TI-B12-SSS-1027-4887			2-4'	16
TI-B12-SSS-1027-4888			4-6'	11
TI-B12-SSS-1027-4889	B12-301	125 N X 180 E	0-2'	13
			2-4'	R
			4-6'	R
TI-B12-SSS-1027-4890	B12-302	120 N X 170 E	0-2'	10
TI-B12-SSS-1027-4891			2-4'	23
TI-B12-SSS-1027-4892			4-6'	15
TI-B12-SSS-1027-4893	B12-303	120 N X 180 E	0-2'	10
			2-4'	R
TI-B12-SSS-1027-4894			4-6'	23
TI-B12-SSS-1027-4895	B12-304	120 N X 190E	0-2'	11
TI-B12-SSS-1027-4896			2-4'	9
TI-B12-SSS-1027-4897			4-6'	18
TI-B12-SSS-1027-4898	B12-305	125 N X 185 E	0-2'	12
TI-B12-SSS-1027-4899			2-4'	15
			4-6'	R
TI-B12-SSS-1108-7457	B12-317	30 N X 320 E	0-2'	55
TI-B12-SSS-1108-7458			2-4'	12
			4-6'	R
TI-B12-SSS-1108-7459	B12-318	40N X 320 E	0-2'	26
TI-B12-SSS-1108-7460			2-4'	8
TI-B12-SSS-1108-7461			4-6'	15
TI-B12-SSS-1108-7462	B12-319	50 N X 320 E	0-2'	18
TI-B12-SSS-1108-7463			2-4'	20
TI-B12-SSS-1108-7464			4-6'	10
TI-B12-SSS-1108-7465	B12-320	60 N X 320 E	0-2'	21
TI-B12-SSS-1108-7466			2-4'	20
TI-B12-SSS-1108-7467			4-6'	19
TI-B12-SSS-1108-7468	B12-321	70 N X 320 E	0-2'	13
TI-B12-SSS-1108-7469			2-4'	10
TI-B12-SSS-1108-7470			4-6'	16
TI-B12-SSS-1108-7471	B12-322	80 N X 320 E	0-2'	15
TI-B12-SSS-1108-7472			2-4'	11
TI-B12-SSS-1108-7473			4-6'	26

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1108-7474	B12-323	90 N X 320 E	0-2'	10
TI-B12-SSS-1108-7475			2-4'	22
TI-B12-SSS-1108-7476			4-6'	6
TI-B12-SSS-1109-7477	B12-324	100 N X 320 E	0-2'	18
TI-B12-SSS-1109-7478			2-4'	8
			4-6'	R
TI-B12-SSS-1109-7479	B12-325	110 N X 320 E	0-2'	16
TI-B12-SSS-1109-7480			2-4'	11
TI-B12-SSS-1109-7481			4-6'	12
TI-B12-SSS-1109-7482	B12-326	120 N X 320 E	0-2'	8
TI-B12-SSS-1109-7483			2-4'	10
TI-B12-SSS-1109-7484			4-6'	19
TI-B12-SSS-1109-7485	B12-327	130 N X 320 E	0-2'	9
TI-B12-SSS-1109-7486			2-4'	13
TI-B12-SSS-1109-7487			4-6'	15
TI-B12-SSS-1109-7488	B12-328	130 N X 330 E	0-2'	17
TI-B12-SSS-1109-7489			2-4'	13
TI-B12-SSS-1109-7490			4-6'	6
TI-B12-SSS-1109-7491	B12-329	120 N X 330 E	0-2'	16
TI-B12-SSS-1109-7492			2-4'	11
TI-B12-SSS-1109-7493			4-6'	18
TI-B12-SSS-1109-7494	B12-330	110 N X 330 E	0-2'	14
TI-B12-SSS-1109-7495			2-4'	14
TI-B12-SSS-1109-7496			4-6'	24
TI-B12-SSS-1109-7497	B12-331	100 N X 330 E	0-2'	19
TI-B12-SSS-1109-7498			2-4'	9
TI-B12-SSS-1109-7499			4-6'	22
TI-B12-SSS-1110-7500	B12-332	90 N X 330 E	0-2'	10
TI-B12-SSS-1110-7501			2-4'	13
TI-B12-SSS-1110-7502			4-6'	10
TI-B12-SSS-1110-7503	B12-333	80 N X 330 E	0-2'	15
TI-B12-SSS-1110-7504			2-4'	16
TI-B12-SSS-1110-7505			4-6'	9
TI-B12-SSS-1110-7506	B12-334	70 N X 330 E	0-2'	11
TI-B12-SSS-1110-7507			2-4'	7
TI-B12-SSS-1110-7508			4-6'	18

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1110-7509	B12-335	60 N X 330 E	0-2'	6
TI-B12-SSS-1110-7510			2-4'	7
TI-B12-SSS-1110-7511			4-6'	12
TI-B12-SSS-1110-7512	B12-336	125 N X 325 E	0-2'	12
TI-B12-SSS-1110-7513			2-4'	21
TI-B12-SSS-1110-7514			4-6'	20
TI-B12-SSS-1110-7515	B12-337	115 N X 325 E	0-2'	16
TI-B12-SSS-1110-7516			2-4'	12
TI-B12-SSS-1110-7517			4-6'	12
TI-B12-SSS-1110-7518	B12-338	105 N X 325 E	0-2'	14
TI-B12-SSS-1110-7519			2-4'	20
TI-B12-SSS-1110-7520			4-6'	26
TI-B12-SSS-1110-7521	B12-339	95 N X 325E	0-2'	7
TI-B12-SSS-1110-7522			2-4'	17
TI-B12-SSS-1110-7523			4-6'	18
TI-B12-SSS-1110-7524	B12-340	50 N X 330 E	0-2'	17
TI-B12-SSS-1110-7525			2-4'	13
TI-B12-SSS-1110-7526			4-6'	18
TI-B12-SSS-1110-7527	B12-341	85 N X 325 E	0-2'	15
TI-B12-SSS-1110-7528			2-4'	7
TI-B12-SSS-1110-7529			4-6'	5
TI-B12-SSS-1110-7530	B12-342	40 N X 330 E	0-2'	22
TI-B12-SSS-1110-7531			2-4'	10
TI-B12-SSS-1110-7532			4-6'	16
TI-B12-SSS-1110-7533	B12-343	75 N X 325E	0-2'	8
TI-B12-SSS-1110-7534			2-4'	11
TI-B12-SSS-1110-7535			4-6'	13
TI-B12-SSS-1110-7536	B12-344	30 N X 330 E	0-2'	11
TI-B12-SSS-1110-7537			2-4'	10
			4-6'	R
TI-B12-SSS-1110-7538	B12-345	65 N X 325 E	0-2'	20
TI-B12-SSS-1110-7539			2-4'	9
			4-6'	R
TI-B12-SSS-1110-7540	B12-346	30 N X 340 E	0-2'	21
TI-B12-SSS-1110-7541			2-4'	20
TI-B12-SSS-1110-7542			4-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1110-7543	B12-347	40 N X 340 E	0-2'	14
TI-B12-SSS-1110-7544			2-4'	8
TI-B12-SSS-1110-7545			4-6'	8
TI-B12-SSS-1110-7546	B12-348	55 N X 325 E	0-2'	19
TI-B12-SSS-1110-7547			2-4'	6
TI-B12-SSS-1110-7548			4-6'	15
TI-B12-SSS-1110-7549	B12-349	45 N X 325 E	0-2'	10
TI-B12-SSS-1110-7550			2-4'	11
			4-6'	R
TI-B12-SSS-1110-7551	B12-350	50 N X 344 E	0-2'	R
TI-B12-SSS-1110-7552			2-4'	18
TI-B12-SSS-1112-7553			4-6'	6
TI-B12-SSS-1112-7554	B12-351	35 N X 325 E	0-2'	11
TI-B12-SSS-1112-7555			2-4'	18
			4-6'	R
TI-B12-SSS-1112-7556	B12-352	60 N X 340 E	0-2'	6
TI-B12-SSS-1112-7557			2-4'	9
TI-B12-SSS-1112-7558			4-6'	23
TI-B12-SSS-1112-7559	B12-353	35N X 335 E	0-2'	9
TI-B12-SSS-1112-7560			2-4'	11
			4-6'	R
TI-B12-SSS-1112-7561	B12-354	70 N X 340 E	0-2'	8
TI-B12-SSS-1112-7562			2-4'	7
TI-B12-SSS-1112-7563			4-6'	9
TI-B12-SSS-1112-7564	B12-355	45 N X 335 E	0-2'	7
TI-B12-SSS-1112-7565			2-4'	16
TI-B12-SSS-1112-7566			4-6'	10
TI-B12-SSS-1111-7567	B12-356	80 N X 340 E	0-2'	19
TI-B12-SSS-1111-7568			2-4'	11
TI-B12-SSS-1111-7569			4-6'	9
TI-B12-SSS-1114-7570	B12-357	55 N X 335 E	0-2'	13
TI-B12-SSS-1114-7571			2-4'	20
			4-6'	R
TI-B12-SSS-1111-7572	B12-358	90 N X 340 E	0-2'	18
TI-B12-SSS-1111-7573			2-4'	14
TI-B12-SSS-1111-7574			4-6'	14

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1114-7575	B12-359	65 N X 335 E	0-2'	10
TI-B12-SSS-1114-7576			2-4'	18
TI-B12-SSS-1114-7577			4-6'	17
TI-B12-SSS-1111-7578	B12-360	100 N X 340 E	0-2'	11
TI-B12-SSS-1111-7579			2-4'	12
TI-B12-SSS-1111-7580			4-6'	12
TI-B12-SSS-1111-7581	B12-361	110 N X 340 E	0-2'	22
TI-B12-SSS-1111-7582			2-4'	14
TI-B12-SSS-1111-7583			4-6'	12
TI-B12-SSS-1111-7584	B12-362	120 N X 340 E	0-2'	5
TI-B12-SSS-1111-7585			2-4'	8
TI-B12-SSS-1111-7586			4-6'	11
TI-B12-SSS-1115-7587	B12-363	130 N X 340 E	0-2'	
TI-B12-SSS-1115-7588			2-4'	
TI-B12-SSS-1115-7589			4-6'	
TI-B12-SSS-1112-7590	B12-364	230 NX 190 E	0-2'	7
TI-B12-SSS-1112-7591			2-4'	21
			4-6'	R
TI-B12-SSS-1112-7592	B12-365	225 N X 205 E	0-2'	17
TI-B12-SSS-1112-7593			2-4'	18
TI-B12-SSS-1112-7594			4-6'	14
TI-B12-SSS-1112-7595	B12-366	225N X 215 E	0-2'	6
TI-B12-SSS-1112-7596			2-4'	19
TI-B12-SSS-1112-7597			4-6'	12
TI-B12-SSS-1112-7598	B12-367	210 N X 190 E	0-2'	19
TI-B12-SSS-1112-7599			2-4'	11
TI-B12-SSS-1112-7600			4-6'	20
TI-B12-SSS-1112-7601	B12-368	225N X 225 E	0-2'	12
TI-B12-SSS-1112-7602			2-4'	11
TI-B12-SSS-1112-7603			4-6'	7
TI-B12-SSS-1112-7604	B12-369	225N X 235 E	0-2'	11
TI-B12-SSS-1112-7605			2-4'	22
TI-B12-SSS-1112-7606			4-6'	6
TI-B12-SSS-1112-7607	B12-370	210 N X 200 E	0-2'	7
TI-B12-SSS-1112-7608			2-4'	15
TI-B12-SSS-1112-7609			4-6'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1112-7610	B12-371	225 N X 245 E	0-2'	10
TI-B12-SSS-1112-7611			2-4'	15
TI-B12-SSS-1112-7612			4-6'	14
TI-B12-SSS-1112-7613	B12-372	210 N X 210E	0-2'	6
TI-B12-SSS-1112-7614			2-4'	21
TI-B12-SSS-1112-7615			4-6'	10
TI-B12-SSS-1112-7616	B12-373	225N X 255 E	0-2'	16
TI-B12-SSS-1112-7617			2-4'	6
TI-B12-SSS-1112-7618			4-6'	13
TI-B12-SSS-1112-7619	B12-374	210 N X 220 E	0-2'	12
TI-B12-SSS-1112-7620			2-4'	25
TI-B12-SSS-1112-7621			4-6'	16
TI-B12-SSS-1112-7622	B12-375	230N X 250 E	0-2'	15
TI-B12-SSS-1112-7623			2-4'	6
			4-6'	R
TI-B12-SSS-1112-7624	B12-376	210 N X 230 E	0-2'	14
TI-B12-SSS-1112-7625			2-4'	10
TI-B12-SSS-1112-7626			4-6'	8
TI-B12-SSS-1112-7627	B12-377	230 N X 240 E	0-2'	8
TI-B12-SSS-1112-7628			2-4'	6
TI-B12-SSS-1112-7629			4-6'	10
TI-B12-SSS-1112-7630	B12-378	210 N X 240 E	0-2'	12
TI-B12-SSS-1112-7631			2-4'	10
TI-B12-SSS-1112-7632			4-6'	20
TI-B12-SSS-1112-7633	B12-379	210 N X 250 E	0-2'	16
TI-B12-SSS-1112-7634			2-4'	11
TI-B12-SSS-1112-7635			4-6'	8
TI-B12-SSS-1112-7636	B12-380	230 N X 230 E	0-2'	14
TI-B12-SSS-1112-7637			2-4'	18
TI-B12-SSS-1112-7638			4-6'	18
TI-B12-SSS-1113-7639	B12-381	210 N X 260 E	0-2'	7
TI-B12-SSS-1113-7640			2-4'	9
TI-B12-SSS-1113-7641			4-6'	10
TI-B12-SSS-1113-7642	B12-382	230 N X 220 E	0-2'	11
TI-B12-SSS-1113-7643			2-4'	28
TI-B12-SSS-1113-7644			4-6'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1113-7645	B12-383	210 N X 270 E	0-2'	16
TI-B12-SSS-1113-7646			2-4'	7
TI-B12-SSS-1113-7647			4-6'	12
TI-B12-SSS-1113-7648	B12-384	230 N X 210 E	0-2'	9
TI-B12-SSS-1113-7649			2-4'	20
TI-B12-SSS-1113-76			4-6'	12
TI-B12-SSS-1113-7650	B12-385	245 N X 255 E	0-2'	11
TI-B12-SSS-1113-7651			2-4'	15
TI-B12-SSS-1113-7652			4-6'	10
TI-B12-SSS-1113-7653	B12-386	245 N X 245 E	0-2'	17
TI-B12-SSS-1113-7654			2-4'	18
TI-B12-SSS-1113-7655			4-6'	20
TI-B12-SSS-1113-7656	B12-387	245 N X 185 E	0-2'	21
TI-B12-SSS-1113-7657			2-4'	13
TI-B12-SSS-1113-7658			4-6'	9
TI-B12-SSS-1113-7659	B12-388	245 N X 235 E	0-2'	12
TI-B12-SSS-1113-7660			2-4'	23
TI-B12-SSS-1113-7661			4-6'	20
TI-B12-SSS-1113-7662	B12-389	245 N X 195 E	0-2'	17
TI-B12-SSS-1113-7663			2-4'	20
TI-B12-SSS-1113-76			4-6'	12
TI-B12-SSS-1113-7664	B12-390	245 N X 225 E	0-2'	13
TI-B12-SSS-1113-7665			2-4'	17
TI-B12-SSS-1113-7666			4-6'	3
TI-B12-SSS-1113-7667	B12-391	245 N X 205 E	0-2'	19
TI-B12-SSS-1113-7668			2-4'	8
TI-B12-SSS-1113-7669			4-6'	9
TI-B12-SSS-1113-7670	B12-392	245 N X 215 E	0-2'	7
TI-B12-SSS-1113-7671			2-4'	22
TI-B12-SSS-1113-7672			4-6'	10
TI-B12-SSS-1113-7673	B12-393	215 N X 185 E	0-2'	12
TI-B12-SSS-1113-7674			2-4'	7
TI-B12-SSS-1113-76			4-6'	12
TI-B12-SSS-1113-7675	B12-394	215 N X 195 E	0-2'	14
TI-B12-SSS-1113-7676			2-4'	13
			4-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1113-7677	B12-395	240 N X 190 E	0-2'	9
TI-B12-SSS-1113-7678			2-4'	21
TI-B12-SSS-1113-7679			4-6'	46
TI-B12-SSS-1113-7680	B12-396	215 N X 205 E	0-2'	13
			2-4'	R
			4-6'	R
TI-B12-SSS-1114-7681	B12-397	30 N X 350 E	0-2'	9
TI-B12-SSS-1114-7682			2-4'	20
TI-B12-SSS-1114-7683			4-6'	15
TI-B12-SSS-1114-7684	B12-398	40 N X 350 E	0-2'	15
TI-B12-SSS-1114-7685			2-4'	6
TI-B12-SSS-1114-7686			4-6'	17
TI-B12-SSS-1114-7687	B12-399	50 N X 350E	0-2'	8
TI-B12-SSS-1114-7688			2-4'	6
TI-B12-SSS-1114-7689			4-6'	15
TI-B12-SSS-1114-7690	B12-400	60 N X 350 E	0-2'	15
TI-B12-SSS-1114-7691			2-4'	4
TI-B12-SSS-1114-7692			4-6'	20
TI-B12-SSS-1114-7693	B12-401	75 N X 335 E	0-2'	9
TI-B12-SSS-1114-7694			2-4'	8
TI-B12-SSS-1114-7695			4-6'	13
TI-B12-SSS-1114-7696	B12-402	70 N X 350 E	0-2'	20
TI-B12-SSS-1114-7697			2-4'	7
			4-6'	R
TI-B12-SSS-1114-7698	B12-403	85 N X 335 E	0-2'	7
TI-B12-SSS-1114-7699			2-4'	15
			4-6'	R
TI-B12-SSS-1114-7700	B12-404	80 N X 350 E	0-2'	10
TI-B12-SSS-1114-7701			2-4'	20
TI-B12-SSS-1114-7702			4-6'	20
TI-B12-SSS-1114-7703	B12-405	95 N X 335 E	0-2'	13
TI-B12-SSS-1114-7704			2-4'	20
TI-B12-SSS-1114-7705			4-6'	15
TI-B12-SSS-1114-7706	B12-406	90 N X 350 E	0-2'	22
TI-B12-SSS-1114-7707			2-4'	7
TI-B12-SSS-1114-7708			4-6'	14

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1114-7709	B12-407	105 N X 335 E	0-2'	19
TI-B12-SSS-1114-7710			2-4'	11
			4-6'	R
TI-B12-SSS-1114-7711	B12-408	100 N X 350 E	0-2'	20
TI-B12-SSS-1114-7712			2-4'	10
TI-B12-SSS-1114-7713			4-6'	18
TI-B12-SSS-1114-7714	B12-409	115 N X 335 E	0-2'	20
TI-B12-SSS-1114-7715			2-4'	6
TI-B12-SSS-1114-7716			4-6'	10
TI-B12-SSS-1114-7717	B12-410	110N X 350 E	0-2'	8
TI-B12-SSS-1114-7718			2-4'	10
TI-B12-SSS-1114-7719			4-6'	12
TI-B12-SSS-1114-7720	B12-411	125 N X 335 E	0-2'	8
TI-B12-SSS-1114-7721			2-4'	8
TI-B12-SSS-1114-7722			4-6'	10
TI-B12-SSS-1115-7723	B12-412	120 N X 350 E	0-2'	18
			2-4'	R
TI-B12-SSS-1115-7724			4-6'	2
TI-B12-SSS-1115-7725	B12-413	105 N X 345 E	0-2'	5
TI-B12-SSS-1115-7726			2-4'	R
TI-B12-SSS-1115-7727			4-6'	18
TI-B12-SSS-1115-7728	B12-414	115 N X 345 E	0-2'	10
TI-B12-SSS-1115-7729			2-4'	13
TI-B12-SSS-1115-7730			4-6'	7
TI-B12-SSS-1115-7731	B12-415	115 N X 355 E	0-2'	6
TI-B12-SSS-1115-7732			2-4'	15
TI-B12-SSS-1115-7733			4-6'	17
TI-B12-SSS-1115-7734	B12-416	125 N X 345 E	0-2'	14
TI-B12-SSS-1115-7735			2-4'	8
TI-B12-SSS-1115-77			4-6'	17
TI-B12-SSS-1115-7736	B12-417	125 N X 355 E	0-2'	10
TI-B12-SSS-1115-7737			2-4'	21
TI-B12-SSS-1115-7738			4-6'	10
TI-B12-SSS-1115-7739	B12-418	130 N X 350 E	0-2'	8
TI-B12-SSS-1115-7740			2-4'	14
TI-B12-SSS-1115-7741			4-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1115-7742	B12-419	95 N X 345 E	0-2'	14
TI-B12-SSS-1115-7743			2-4'	12
TI-B12-SSS-1115-7744			4-6'	22
TI-B12-SSS-1115-7745	B12-420	85 N X 345 E	0-2'	16
TI-B12-SSS-1115-7746			2-4'	14
			4-6'	R
TI-B12-SSS-1115-7747	B12-421	75 N X 345 E	0-2'	14
TI-B12-SSS-1115-7748			2-4'	6
TI-B12-SSS-1115-7749			4-6'	18
TI-B12-SSS-1115-7750	B12-422	65 N X 345 E	0-2'	16
TI-B12-SSS-1115-7751			2-4'	2
TI-B12-SSS-1115-7752			4-6'	4
TI-B12-SSS-1115-7753	B12-423	55 N X 345 E	0-2'	2
TI-B12-SSS-1115-7754			2-4'	14
TI-B12-SSS-1115-7755			4-6'	16
TI-B12-SSS-1115-7756	B12-424	105 N X 355 E	0-2'	8
TI-B12-SSS-1115-7757			2-4'	14
TI-B12-SSS-1115-7758			4-6'	18
TI-B12-SSS-1115-7759	B12-425	95 N X 355 E	0-2'	12
TI-B12-SSS-1115-7760			2-4'	10
TI-B12-SSS-1115-7761			4-6'	10
TI-B12-SSS-1115-7762	B12-426	85 N X 355E	0-2'	8
TI-B12-SSS-1115-7763			2-4'	10
TI-B12-SSS-1115-7764			4-6'	12
TI-B12-SSS-1115-7765	B12-427	45 N X 345 E	0-2'	20
TI-B12-SSS-1115-7766			2-4'	14
TI-B12-SSS-1115-7767			4-6'	14
TI-B12-SSS-1116-7768	B12-428	245 N X 175 E	0-2'	10
TI-B12-SSS-1116-7769			2-4'	23
TI-B12-SSS-1116-7770			4-6'	6
TI-B12-SSS-1116-7771	B12-429	220 N X 180E	0-2'	12
TI-B12-SSS-1116-7772			2-4'	6
TI-B12-SSS-1116-7773			4-6'	10
TI-B12-SSS-1116-7774	B12-430	240 N X 170 E	0-2'	16
TI-B12-SSS-1116-7775			2-4'	19
TI-B12-SSS-1116-7776			4-6'	8

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1116-7777	B12-431	220 N X 170 E	0-2'	20
TI-B12-SSS-1116-7778			2-4'	8
TI-B12-SSS-1116-7779			4-6'	10
TI-B12-SSS-1116-7780	B12-432	240 N X 180 E	0-2'	22
TI-B12-SSS-1116-7781			2-4'	13
TI-B12-SSS-1116-7782			4-6'	11
TI-B12-SSS-1116-7783	B12-433	220 N X 160 E	0-2'	13
TI-B12-SSS-1116-7784			2-4'	10
TI-B12-SSS-1116-7785			4-6'	3
TI-B12-SSS-1116-7786	B12-434	245 N X 165 E	0-2'	23
			2-4'	R
TI-B12-SSS-1116-7787			4-6'	21
TI-B12-SSS-1116-7788	B12-435	220 N X 150 E	0-2'	21
TI-B12-SSS-1116-7789			2-4'	11
TI-B12-SSS-1116-7790			4-6'	22
TI-B12-SSS-1116-7791	B12-436	240 N X 160 E	0-2'	23
TI-B12-SSS-1116-7792			2-4'	6
TI-B12-SSS-1116-7793			4-6'	15
TI-B12-SSS-1116-7794	B12-437	220 N X 140 E	0-2'	15
TI-B12-SSS-1116-7795			2-4'	17
TI-B12-SSS-1116-7796			4-6'	22
TI-B12-SSS-1116-7797	B12-438	235 N X 155 E	0-2'	4
TI-B12-SSS-1116-7798			2-4'	17
TI-B12-SSS-1116-7799			4-6'	6
TI-B12-SSS-1116-7800	B12-439	220 N X 130 E	0-2'	19
TI-B12-SSS-1116-7801			2-4'	12
TI-B12-SSS-1116-7802			4-6'	13
TI-B12-SSS-1116-7803	B12-440	235 N X 165 E	0-2'	16
TI-B12-SSS-1116-7804			2-4'	26
TI-B12-SSS-1116-7805			4-6'	16
TI-B12-SSS-1116-7806	B12-441	220 N X 120 E	0-2'	16
TI-B12-SSS-1116-7807			2-4'	22
TI-B12-SSS-1116-7808			4-6'	4
TI-B12-SSS-1116-7809	B12-442	235 N X 175 E	0-2'	12
TI-B12-SSS-1116-7810			2-4'	8
TI-B12-SSS-1116-7811			4-6'	13

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1116-7812	B12-443	220 N X 110 E	0-2'	21
TI-B12-SSS-1116-7813			2-4'	15
TI-B12-SSS-1116-7814			4-6'	6
TI-B12-SSS-1117-7815	B12-444	230 N X 180 E	0-2'	30
TI-B12-SSS-1117-7816			2-4'	13
TI-B12-SSS-1117-7817			4-6'	10
TI-B12-SSS-1117-7818	B12-445	215 N X 175 E	0-2'	22
TI-B12-SSS-1117-7819			2-4'	8
TI-B12-SSS-1117-7820			4-6'	14
TI-B12-SSS-1117-7821	B12-446	230 N X 170 E	0-2'	14
TI-B12-SSS-1117-7822			2-4'	10
TI-B12-SSS-1117-7823			4-6'	20
TI-B12-SSS-1117-7824	B12-447	215 N X 165 E	0-2'	27
TI-B12-SSS-1117-7825			2-4'	20
TI-B12-SSS-1117-7826			4-6'	6
TI-B12-SSS-1117-7827	B12-448	230 N X 160 E	0-2'	22
TI-B12-SSS-1117-7828			2-4'	16
TI-B12-SSS-1117-7829			4-6'	10
TI-B12-SSS-1117-7830	B12-449	215 N X 155 E	0-2'	30
TI-B12-SSS-1117-7831			2-4'	20
TI-B12-SSS-1117-7832			4-6'	18
TI-B12-SSS-1117-7833	B12-450	230 N X 150 E	0-2'	14
TI-B12-SSS-1117-7834			2-4'	4
TI-B12-SSS-1117-7835			4-6'	10
TI-B12-SSS-1117-7836	B12-451	215 N X 145 E	0-2'	17
TI-B12-SSS-1117-7837			2-4'	19
TI-B12-SSS-1117-7838			4-6'	22
TI-B12-SSS-1117-7839	B12-452	210 N X 180 E	0-2'	22
TI-B12-SSS-1117-7840			2-4'	17
TI-B12-SSS-1117-7841			4-6'	R
TI-B12-SSS-1117-7842	B12-453	215 N X 135 E	0-2'	18
TI-B12-SSS-1117-7843			2-4'	50
			4-6'	R
TI-B12-SSS-1117-7844	B12-454	210 N X 170 E	0-2'	34
TI-B12-SSS-1117-7845			2-4'	13
TI-B12-SSS-1117-7846			4-6'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1117-7847	B12-455	215 N X 125 E	0-2'	40
TI-B12-SSS-1117-7848			2-4'	18
TI-B12-SSS-1117-7849			4-6'	13
TI-B12-SSS-1117-7850	B12-456	210 N X 160 E	0-2'	16
TI-B12-SSS-1117-7851			2-4'	23
TI-B12-SSS-1117-7852			4-6'	28
TI-B12-SSS-1117-78	B12-457	215 N X 115 E	0-2'	10
TI-B12-SSS-1117-78			2-4'	18
TI-B12-SSS-1117-78			4-6'	11
TI-B12-SSS-1117-78	B12-458	210 N X 150 E	0-2'	14
TI-B12-SSS-1117-78			2-4'	14
TI-B12-SSS-1117-78			4-6'	14
TI-B12-SSS-1117-78	B12-459	210 N X 120 E	0-2'	15
TI-B12-SSS-1117-78			2-4'	14
TI-B12-SSS-1117-78			4-6'	12
TI-B12-SSS-1118-5371	B12-460	205 N X 175 E	0-2'	18
TI-B12-SSS-1118-5372			2-4'	6
TI-B12-SSS-1118-5373			4-6'	25
TI-B12-SSS-1118-5374	B12-461	210 N X 130 E	0-2'	20
TI-B12-SSS-1118-5375			2-4'	25
TI-B12-SSS-1118-5376			4-6'	6
TI-B12-SSS-1118-5377	B12-462	205 N X 165 E	0-2'	32
TI-B12-SSS-1118-5378			2-4'	6
TI-B12-SSS-1118-5379			4-6'	17
TI-B12-SSS-1118-5380	B12-463	210 N X 140 E	0-2'	2
TI-B12-SSS-1118-5381			2-4'	R
TI-B12-SSS-1118-5382			4-6'	6
TI-B12-SSS-1118-5383	B12-464	205 N X 155 E	0-2'	28
TI-B12-SSS-1118-5384			2-4'	64
TI-B12-SSS-1118-5385			4-6'	27
TI-B12-SSS-1118-5386	B12-465	200 N X 180 E	0-2'	24
TI-B12-SSS-1118-5387			2-4'	14
TI-B12-SSS-1118-5388			4-6'	28
TI-B12-SSS-1118-5389	B12-466	205 N X 145 E	0-2'	27
TI-B12-SSS-1118-5390			2-4'	30
TI-B12-SSS-1118-5391			4-6'	18

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1118-5392	B12-467	200 N X 190 E	0-2'	30
TI-B12-SSS-1118-5393			2-4'	11
TI-B12-SSS-1118-5394			4-6'	18
TI-B12-SSS-1118-5395	B12-468	205 N X 135 E	0-2'	32
TI-B12-SSS-1118-5396			2-4'	66
TI-B12-SSS-1118-5397			4-6'	19
TI-B12-SSS-1118-5398	B12-469	200 N X 170 E	0-2'	30
TI-B12-SSS-1118-5399			2-4'	18
TI-B12-SSS-1118-5400			4-6'	10
TI-B12-SSS-1118-5401	B12-470	205 N X 125 E	0-2'	14
TI-B12-SSS-1118-5402			2-4'	16
TI-B12-SSS-1118-5403			4-6'	12
TI-B12-SSS-1118-5404	B12-471	200 N X 130 E	0-2'	25
TI-B12-SSS-1118-5405			2-4'	26
TI-B12-SSS-1118-5406			4-6'	6
TI-B12-SSS-1118-5407	B12-472	200 N X 160 E	0-2'	13
TI-B12-SSS-1118-5408			2-4'	9
TI-B12-SSS-1118-5409			4-6'	26
TI-B12-SSS-1118-5410	B12-473	200 N X 150 E	0-2'	23
			2-4'	R
			4-6'	R
TI-B12-SSS-1118-5411	B12-474	200 N X 140 E	0-2'	30
TI-B12-SSS-1118-5412			2-4'	23
			4-6'	R
TI-B12-SSS-1118-5413	B12-475	190 N X 120 E	0-2'	14
TI-B12-SSS-1118-5414			2-4'	23
TI-B12-SSS-1118-5415			4-6'	10
TI-B12-SSS-1119-5416	B12-476	235 N X 185 E	0-2'	10
TI-B12-SSS-1119-5417			2-4'	17
TI-B12-SSS-1119-5418			4-6'	13
TI-B12-SSS-1119-5419	B12-477	220 N X 190 E	0-2'	8
TI-B12-SSS-1119-5420			2-4'	13
TI-B12-SSS-1119-5421			4-6'	12
TI-B12-SSS-1119-5422	B12-478	235 N X 195 E	0-2'	5
TI-B12-SSS-1119-5423			2-4'	23
TI-B12-SSS-1119-5424			4-6'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1119-5425	B12-479	220 N X 200 E	0-2'	8
TI-B12-SSS-1119-5426			2-4'	21
TI-B12-SSS-1119-5427			4-6'	12
TI-B12-SSS-1119-5430	B12-480	235 N X 205 E	0-2'	12
TI-B12-SSS-1119-5431			2-4'	20
TI-B12-SSS-1119-5432			4-6'	10
TI-B12-SSS-1119-5433	B12-481	220 N X 210 E	0-2'	17
TI-B12-SSS-1119-5434			2-4'	11
TI-B12-SSS-1119-5435			4-6'	8
TI-B12-SSS-1119-5436	B12-482	235 N X 215 E	0-2'	23
TI-B12-SSS-1119-5437			2-4'	18
TI-B12-SSS-1119-5438			4-6'	16
TI-B12-SSS-1119-5439	B12-483	220 N X 220 E	0-2'	14
TI-B12-SSS-1119-5440			2-4'	6
TI-B12-SSS-1119-5441			4-6'	16
TI-B12-SSS-1119-5442	B12-484	235 N X 225 E	0-2'	11
TI-B12-SSS-1119-5443			2-4'	22
TI-B12-SSS-1119-5444			4-6'	11
TI-B12-SSS-1119-5445	B12-485	220 N X 230 E	0-2'	21
TI-B12-SSS-1119-5446			2-4'	12
TI-B12-SSS-1119-5447			4-6'	18
TI-B12-SSS-1119-5448	B12-486	235 N X 235 E	0-2'	18
TI-B12-SSS-1119-5449			2-4'	6
TI-B12-SSS-1119-5450			4-6'	22
TI-B12-SSS-1119-5451	B12-487	220 N X 240 E	0-2'	15
TI-B12-SSS-1119-5452			2-4'	11
TI-B12-SSS-1119-5453			4-6'	12
TI-B12-SSS-1119-5454	B12-488	235 N X 245 E	0-2'	8
TI-B12-SSS-1119-5455			2-4'	10
TI-B12-SSS-1119-5456			4-6'	9
TI-B12-SSS-1119-5457	B12-489	220 N X 250 E	0-2'	18
TI-B12-SSS-1119-5458			2-4'	12
TI-B12-SSS-1119-5459			4-6'	14
TI-B12-SSS-1120-5460	B12-490	235 N X 255 E	0-2'	22
TI-B12-SSS-1120-5461			2-4'	25
TI-B12-SSS-1120-5462			4-6'	11

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1119-5463	B12-491	220 N X 260 E	0-2'	11
TI-B12-SSS-1119-5464			2-4'	12
TI-B12-SSS-1119-5465			4-6'	20
TI-B12-SSS-1120-5466	B12-492	240 N X 260 E	0-2'	20
TI-B12-SSS-1120-5467			2-4'	5
TI-B12-SSS-1120-5468			4-6'	18
TI-B12-SSS-1120-5469	B12-493	215N X 215 E	0-2'	8
TI-B12-SSS-1120-5470			2-4'	20
TI-B12-SSS-1120-5471			4-6'	21
TI-B12-SSS-1120-5472	B12-494	240 N X 250 E	0-2'	19
TI-B12-SSS-1120-5473			2-4'	25
TI-B12-SSS-1120-5474			4-6'	12
TI-B12-SSS-1120-5475	B12-495	215 N X 225 E	0-2'	19
TI-B12-SSS-1120-5476			2-4'	11
TI-B12-SSS-1120-5477			4-6'	26
TI-B12-SSS-1120-5478	B12-496	240 N X 240 E	0-2'	11
TI-B12-SSS-1120-5479			2-4'	19
TI-B12-SSS-1120-5480			4-6'	
TI-B12-SSS-1120-5481	B12-497	215 N X 235 E	0-2'	7
TI-B12-SSS-1120-5482			2-4'	16
TI-B12-SSS-1120-5483			4-6'	10
TI-B12-SSS-1120-5484	B12-498	240 N X 230 E	0-2'	23
TI-B12-SSS-1120-5485			2-4'	16
TI-B12-SSS-1120-5486			4-6'	14
TI-B12-SSS-1120-5487	B12-499	215 N X 245 E	0-2'	8
TI-B12-SSS-1120-5488			2-4'	14
TI-B12-SSS-1120-5489			4-6'	9
TI-B12-SSS-1119-5490	B12-500	180 N X 80 E	0-2'	18
TI-B12-SSS-1119-5491			2-4'	15
			4-6'	R
TI-B12-SSS-1119-5492	B12-501	180 N X 100 E	0-2'	21
TI-B12-SSS-1119-5493			2-4'	12
TI-B12-SSS-1119-5494			4-6'	17
TI-B12-SSS-1119-5495	B12-502	190 N X 80 E	0-2'	16
TI-B12-SSS-1119-5496			2-4'	23
TI-B12-SSS-1119-5497			4-6'	12

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1119-5498	B12-503	190 N X 100 E	0-2'	10
TI-B12-SSS-1119-5499			2-4'	19
TI-B12-SSS-1119-5500			4-6'	10
TI-B12-SSS-1119-5501	B12-504	200 N X 80 E	0-2'	12
TI-B12-SSS-1119-5502			2-4'	19
TI-B12-SSS-1119-5503			4-6'	13
TI-B12-SSS-1119-5504	B12-505	210 N X 80 E	0-2'	14
TI-B12-SSS-1119-5505			2-4'	13
TI-B12-SSS-1119-5506			4-6'	6
TI-B12-SSS-1119-5507	B12-506	170 N X 80 E	0-2'	21
TI-B12-SSS-1119-5508			2-4'	17
TI-B12-SSS-1119-5509			4-6'	10
TI-B12-SSS-1119-5510	B12-507	200 N X 100 E	0-2'	6
TI-B12-SSS-1119-5511			2-4'	4
TI-B12-SSS-1119-5512			4-6'	6
TI-B12-SSS-1119-5513	B12-508	210N X 100 E	0-2'	12
TI-B12-SSS-1119-5514			2-4'	4
TI-B12-SSS-1119-5515			4-6'	11
TI-B12-SSS-1120-5516	B12-509	160 N X 80 E	0-2'	15
TI-B12-SSS-1120-5517			2-4'	16
TI-B12-SSS-1120-5518			4-6'	11
TI-B12-SSS-1120-5519	B12-510	150 N X 80 E	0-2'	17
TI-B12-SSS-1120-5520			2-4'	14
			4-6'	R
TI-B12-SSS-1120-5521	B12-511	200 N X 90 E	0-2'	13
TI-B12-SSS-1120-5522			2-4'	8
			4-6'	R
TI-B12-SSS-1120-5523	B12-512	140 N X 80 E	0-2'	13
TI-B12-SSS-1120-5524			2-4'	15
TI-B12-SSS-1120-5525			4-6'	8
TI-B12-SSS-1120-5526	B12-513	190 N X 90 E	0-2'	16
TI-B12-SSS-1120-5527			2-4'	9
TI-B12-SSS-1120-5528			4-6'	14
TI-B12-SSS-1120-5529	B12-514	130 N X 80 E	0-2'	13
TI-B12-SSS-1120-5530			2-4'	11
TI-B12-SSS-1120-5531			4-6'	17

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1120-5532	B12-515	180 N X 90 E	0-2'	10
TI-B12-SSS-1120-5533			2-4'	18
TI-B12-SSS-1120-5534			4-6'	10
TI-B12-SSS-1120-5535	B12-516	120 N X 80 E	0-2'	6
TI-B12-SSS-1120-5536			2-4'	18
TI-B12-SSS-1120-5537			4-6'	5
TI-B12-SSS-1120-5538	B12-517	170 N X 90 E	0-2'	12
TI-B12-SSS-1120-5539			2-4'	18
TI-B12-SSS-1120-5540			4-6'	20
TI-B12-SSS-1120-5541	B12-518	125 N X 75 E	0-2'	8
TI-B12-SSS-1120-5542			2-4'	12
TI-B12-SSS-1120-5543			4-6'	12
TI-B12-SSS-1120-5544	B12-519	160 N X 90 E	0-2'	14
TI-B12-SSS-1120-5545			2-4'	18
TI-B12-SSS-1120-5546			4-6'	20
TI-B12-SSS-1120-5547	B12-520	150 N X 90 E	0-2'	26
TI-B12-SSS-1120-5548			2-4'	20
TI-B12-SSS-1120-5549			4-6'	18
TI-B12-SSS-1120-5550	B12-521	240 N X 220 E	0-2'	4
TI-B12-SSS-1120-5551			2-4'	11
TI-B12-SSS-1120-5552			4-6'	8
TI-B12-SSS-1120-5553	B12-522	215 N X 255 E	0-2'	8
TI-B12-SSS-1120-5554			2-4'	8
TI-B12-SSS-1120-5555			4-6'	14
TI-B12-SSS-1120-5556	B12-523	240 N X 210 E	0-2'	14
TI-B12-SSS-1120-5557			2-4'	14
TI-B12-SSS-1120-5558			4-6'	8
TI-B12-SSS-1120-5559	B12-524	215 N X 265 E	0-2'	4
TI-B12-SSS-1120-5560			2-4'	6
TI-B12-SSS-1120-5561			4-6'	9
TI-B12-SSS-1120-5562	B12-525	240 N X 200 E	0-2'	6
TI-B12-SSS-1120-5563			2-4'	6
			4-6'	R
TI-B12-SSS-1120-5564	B12-526	220 N X 270 E	0-2'	11
TI-B12-SSS-1120-5565			2-4'	8
TI-B12-SSS-1120-5566			4-6'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1120-5567	B12-527	140 N X 90 E	0-2'	11
TI-B12-SSS-1120-5568			2-4'	16
			4-6'	R
TI-B12-SSS-1120-5569	B12-528	135 N X 75 E	0-2'	13
TI-B12-SSS-1120-5570			2-4'	14
TI-B12-SSS-1120-5571			4-6'	12
TI-B12-SSS-1120-5572	B12-529	130 N X 90 E	0-2'	19
TI-B12-SSS-1120-5573			2-4'	12
TI-B12-SSS-1120-5574			4-6'	21
TI-B12-SSS-1121-5575	B12-530	190 N X 140 E	0-2'	19
TI-B12-SSS-1121-5576			2-4'	18
TI-B12-SSS-1121-5577			4-6'	21
TI-B12-SSS-1121-5578	B12-531	200 N X 120 E	0-2'	14
			2-4'	R
			4-6'	R
TI-B12-SSS-1121-5579	B12-532	190 N X 150 E	0-2'	15
TI-B12-SSS-1121-5580			2-4'	25
TI-B12-SSS-1121-5581			4-6'	25
TI-B12-SSS-1121-5582	B12-533	195 N X 115 E	0-2'	15
TI-B12-SSS-1121-5583			2-4'	14
TI-B12-SSS-1121-5584			4-6'	16
TI-B12-SSS-1121-5585	B12-534	190 N X 160 E	0-2'	74
TI-B12-SSS-1121-5586			2-4'	41
TI-B12-SSS-1121-5587			4-6'	46
TI-B12-SSS-1121-5588	B12-535	195 N X 125 E	0-2'	21
TI-B12-SSS-1121-5589			2-4'	12
			4-6'	R
TI-B12-SSS-1121-5590	B12-536	195 N X 135 E	0-2'	16
TI-B12-SSS-1121-5591			2-4'	19
TI-B12-SSS-1121-5592			4-6'	10
TI-B12-SSS-1121-5593	B12-537	190 N X 170 E	0-2'	8
TI-B12-SSS-1121-5594			2-4'	11
TI-B12-SSS-1121-5595			4-6'	15
TI-B12-SSS-1121-5596	B12-538	195 N X 145 E	0-2'	2
TI-B12-SSS-1121-5597			2-4'	16
TI-B12-SSS-1121-5598			4-6'	13

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1121-5599	B12-539	195 N X 185 E	0-2'	28
TI-B12-SSS-1121-5600			2-4'	17
TI-B12-SSS-1121-5601			4-6'	6
TI-B12-SSS-1121-5602	B12-540	195 N X 155 E	0-2'	18
TI-B12-SSS-1121-5603			2-4'	12
			4-6'	R
TI-B12-SSS-1121-5604	B12-541	195 N X 175 E	0-2'	21
TI-B12-SSS-1121-5605			2-4'	11
TI-B12-SSS-1121-5606			4-6'	9
TI-B12-SSS-1121-5607	B12-542	195 N X 165 E	0-2'	25
TI-B12-SSS-1121-5608			2-4'	41
TI-B12-SSS-1121-5609			4-6'	20
TI-B12-SSS-1121-5610	B12-543	210 N X 90 E	0-2'	14
TI-B12-SSS-1121-5611			2-4'	8
TI-B12-SSS-1121-5612			4-6'	19
TI-B12-SSS-1121-5613	B12-544	190 N X 110 E	0-2'	18
TI-B12-SSS-1121-5614			2-4'	16
TI-B12-SSS-1121-5615			4-6'	12
	B12-545	AIR LINE HILL	0-2'	
			2-4'	
			4-6'	
	B12-546	AIR LINE HILL	0-2'	
			2-4'	
			4-6'	
TI-B12-SSS-1122-5766	B12-547	145 N X 75 E	0-2'	5
TI-B12-SSS-1122-5767			2-4'	11
TI-B12-SSS-1122-5768			4-6'	6
TI-B12-SSS-1122-5769	B12-548	145 N X 95 E	0-2'	10
TI-B12-SSS-1122-5770			2-4'	20
TI-B12-SSS-1122-5771			4-6'	16
TI-B12-SSS-1122-5772	B12-549	155 N X 75 E	0-2'	14
TI-B12-SSS-1122-5773			2-4'	8
			4-6'	R
TI-B12-SSS-1122-5774	B12-550	165 N X 75 E	0-2'	7
TI-B12-SSS-1122-5775			2-4'	12
TI-B12-SSS-1122-5776			4-6'	22

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1122-5777	B12-551	175 N X 75 E	0-2'	29
TI-B12-SSS-1122-5778			2-4'	11
TI-B12-SSS-1122-5779			4-6'	15
TI-B12-SSS-1122-5780	B12-552	185 N X 95 E	0-2'	12
TI-B12-SSS-1122-5781			2-4'	8
TI-B12-SSS-1122-5782			4-6'	10
TI-B12-SSS-1122-5783	B12-553	185 N X 75 E	0-2'	10
TI-B12-SSS-1122-5784			2-4'	6
			4-6'	R
TI-B12-SSS-1122-5785	B12-554	195 N X 95 E	0-2'	4
TI-B12-SSS-1122-5786			2-4'	14
TI-B12-SSS-1122-5787			4-6'	12
TI-B12-SSS-1122-5788	B12-555	205 N X 95 E	0-2'	24
TI-B12-SSS-1122-5789			2-4'	5
TI-B12-SSS-1122-5790			4-6'	8
TI-B12-SSS-1122-5791	B12-556	195 N X 75 E	0-2'	9
TI-B12-SSS-1122-5792			2-4'	6
TI-B12-SSS-1122-5793			4-6'	12
TI-B12-SSS-1122-5794	B12-557	205 N X 75 E	0-2'	10
TI-B12-SSS-1122-5795			2-4'	14
TI-B12-SSS-1122-5796			4-6'	12
TI-B12-SSS-1122-5797	B12-558	205 N X 85 E	0-2'	16
TI-B12-SSS-1122-5798			2-4'	10
TI-B12-SSS-1122-5799			4-6'	11
TI-B12-SSS-1122-5800	B12-559	195 N X 85 E	0-2'	10
			2-4'	R
			4-6'	R
TI-B12-SSS-1122-5801	B12-560	185 N X 85 E	0-2'	12
TI-B12-SSS-1122-5802			2-4'	20
TI-B12-SSS-1122-5803			4-6'	16
TI-B12-SSS-1122-5804	B12-561	135 N X 85 E	0-2'	12
TI-B12-SSS-1122-5805			2-4'	10
TI-B12-SSS-1122-5806			4-6'	8
	B12-562	125 N X 85 E	0-2'	R
			2-4'	R
			4-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1122-5807	B12-563	175 N X 85 E	0-2'	8
TI-B12-SSS-1122-5808			2-4'	14
TI-B12-SSS-1122-5809			4-6'	16
TI-B12-SSS-1122-5810	B12-564	165 N X 85 E	0-2'	17
TI-B12-SSS-1122-5811			2-4'	8
TI-B12-SSS-1122-5812			4-6'	13
TI-B12-SSS-1122-5813	B12-565	155 N X 85 E	0-2'	11
TI-B12-SSS-1122-5814			2-4'	15
TI-B12-SSS-1122-5815			4-6'	53
TI-B12-SSS-1122-5816	B12-566	145 N X 85 E	0-2'	4
TI-B12-SSS-1122-5817			2-4'	10
TI-B12-SSS-1122-5818			4-6'	13
TI-B12-SSS-1122-5819	B12-567	130 N X 100 E	0-2'	16
TI-B12-SSS-1122-5820			2-4'	9
TI-B12-SSS-1122-5821			4-6'	8
	B12-568	135 N X 95 E	0-2'	
		CANCELLED	2-4'	
			4-6'	
TI-B12-SSS-1122-5822	B12-569	125 N X 95 E	0-2'	6
TI-B12-SSS-1122-5823			2-4'	9
TI-B12-SSS-1122-5824			4-6'	14
TI-B12-SSS-1122-5825	B12-570	120 N X 100 E	0-2'	18
TI-B12-SSS-1122-5826			2-4'	8
TI-B12-SSS-1122-5827			4-6'	12
	B12-571	AIR LINE DEBRIS	0-2'	
			2-4'	
			4-6'	
TI-B12-SSS-1129-5830	B12-572	145 N X 155 E	0-2'	8
TI-B12-SSS-1129-5831			2-4'	12
TI-B12-SSS-1129-5832			4-6'	7
TI-B12-SSS-1129-5833	B12-573	125 N X 155 E	0-2'	8
TI-B12-SSS-1129-5834			2-4'	11
TI-B12-SSS-1129-5835			4-6'	10
TI-B12-SSS-1129-5836	B12-574	140 N X 160 E	0-2'	19
TI-B12-SSS-1129-5837			2-4'	7
			4-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1129-5838	B12-575	135 N X 155 E	0-2'	18
TI-B12-SSS-1129-5839			2-4'	9
TI-B12-SSS-1129-5840			4-6'	8
TI-B12-SSS-1129-5841	B12-576	145 N X 165 E	0-2'	8
TI-B12-SSS-1129-5842			2-4'	10
TI-B12-SSS-1129-5843			4-6'	9
TI-B12-SSS-1129-5844	B12-577	135 N X 165 E	0-2'	7
TI-B12-SSS-1129-5845			2-4'	12
TI-B12-SSS-1129-5846			4-6'	6
TI-B12-SSS-1129-5847	B12-578	140 N X 170 E	0-2'	8
			2-4'	R
			4-6'	R
TI-B12-SSS-1129-5848	B12-579	135 N X 175 E	0-2'	11
			2-4'	R
			4-6'	R
TI-B12-SSS-1129-5849	B12-580	157 N X 180 E	0-2'	6
TI-B12-SSS-1129-5850			2-4'	19
TI-B12-SSS-1129-5851			4-6'	17
TI-B12-SSS-1129-5852	B12-581	145 N X 175 E	0-2'	6
TI-B12-SSS-1129-5853			2-4'	8
			4-6'	R
TI-B12-SSS-1130-5854	B12-582	120 N X 150 E	0-2'	15
TI-B12-SSS-1130-5855			2-4'	7
			4-6'	R
TI-B12-SSS-1130-5856	B12-583	120 N X 140 E	0-2'	7
TI-B12-SSS-1130-5857			2-4'	6
TI-B12-SSS-1130-5858			4-6'	11
TI-B12-SSS-1130-5859	B12-584	120 N X 130 E	0-2'	14
TI-B12-SSS-1130-5860			2-4'	7
TI-B12-SSS-1130-5861			4-6'	6
	B12-585	140 N X 150 E	0-2'	R
TI-B12-SSS-1130-5862			2-4'	9
TI-B12-SSS-1130-5863			4-6'	16
TI-B12-SSS-1130-5864	B12-586	115 N X 155E	0-2'	11
TI-B12-SSS-1130-5865			2-4'	10
TI-B12-SSS-1130-5866			4-6'	21

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
	B12-587	115 N X 125 E	0-2'	R
		CANCELLED	2-4'	R
			4-6'	R
TI-B12-SSS-1130-5867	B12-588	120 N X 120 E	0-2'	11
TI-B12-SSS-1130-5868			2-4'	10
TI-B12-SSS-1130-5869			4-6'	9
TI-B12-SSS-1130-5870	B12-589	115 N X 135 E	0-2'	53
TI-B12-SSS-1130-5871			2-4'	15
TI-B12-SSS-1130-5872			4-6'	312
TI-B12-SSS-1201-5873	B12-590	115 N X 115 E	0-2'	36
TI-B12-SSS-1201-5874			2-4'	44
TI-B12-SSS-1201-5875			4-6'	8
TI-B12-SSS-1201-5876	B12-591	150 N X 180 E	0-2'	28
TI-B12-SSS-1201-5877			2-4'	7
TI-B12-SSS-1201-5878			4-6'	8
TI-B12-SSS-1201-5879	B12-592	155 N X 175 E	0-2'	16
TI-B12-SSS-1201-5880			2-4'	8
			4-6'	R
TI-B12-SSS-1201-5881	B12-593	159 N X 170 E	0-2'	10
			2-4'	R
			4-6'	R
TI-B12-SSS-1201-5882	B12-594	150 N X 170 E	0-2'	8
TI-B12-SSS-1201-5883			2-4'	9
TI-B12-SSS-1201-5884			4-6'	9
TI-B12-SSS-1201-5885	B12-595	140 N X 180 E	0-2'	15
TI-B12-SSS-1201-5886			2-4'	21
TI-B12-SSS-1201-5887			4-6'	15
TI-B12-SSS-1201-5888	B12-596	100 N X 130 E	0-2'	11
TI-B12-SSS-1201-5889			2-4'	11
TI-B12-SSS-1201-5890			4-6'	13
TI-B12-SSS-1201-5891	B12-597	110 N X 120 E	0-2'	8
			2-4'	R
			4-6'	R
TI-B12-SSS-1202-5892	B12-598	100 N X 120 E	0-2'	7
TI-B12-SSS-1202-5893			2-4'	9
			4-6'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1202-5894	B12-599	109 N X 125 E	0-2'	5
TI-B12-SSS-1202-5895			2-4'	8
TI-B12-SSS-1202-5896			4-6'	4
TI-B12-SSS-1202-5897			6'-8'	13
TI-B12-SSS-1202-5898			8'-10'	7
TI-B12-SSS-1202-5999	B12-600	90 N X 130 E	0-2'	13
TI-B12-SSS-1202-5900			2-4'	18
TI-B12-SSS-1202-5901			4-6'	15
TI-B12-SSS-1202-5902			6'-8'	13
TI-B12-SSS-1202-5903			8'-10'	17
TI-B12-SSS-1202-5904	B12-601	80 N X 130 E	0-2'	8
TI-B12-SSS-1202-5905			2-4'	16
TI-B12-SSS-1202-5906			4-6'	9
			6'-8'	R
TI-B12-SSS-1202-5907			8'-10'	4
TI-B12-SSS-1202-5908	B12-602	88 N X 142 E	0-2'	11
TI-B12-SSS-1202-5909			2-4'	20
TI-B12-SSS-1202-5910			4-6'	9
TI-B12-SSS-1202-5911			6'-8'	7
TI-B12-SSS-1202-5912			8'-10'	6
TI-B12-SSS-1202-5913	B12-603	90 N X 145 E	0-2'	10
TI-B12-SSS-1202-5914			2-4'	66
TI-B12-SSS-1202-5915			4-6'	17
TI-B12-SSS-1202-5916			6'-8'	10
TI-B12-SSS-1202-5917			8'-10'	6
TI-B12-SSS-1202-5918	B12-604	88 N X 148 E	0-2'	6
TI-B12-SSS-1202-5919			2-4'	27
TI-B12-SSS-1202-5920			4-6'	23
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1202-5921	B12-605	95 N X 112 E	0-2'	32
TI-B12-SSS-1202-5922			2-4'	110
TI-B12-SSS-1202-5923			4-6'	8
TI-B12-SSS-1202-5924			6'-8'	15
TI-B12-SSS-1202-5925			8'-10'	6
TI-B12-SSS-1202-5926	B12-606	107 N X 146 E	0-2'	8
TI-B12-SSS-1202-5927			2-4'	5
TI-B12-SSS-1202-5928			4-6'	6
TI-B12-SSS-1202-5929			6'-8'	11
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1202-5930	B12-607	94 N X 145 E	0-2'	25
TI-B12-SSS-1202-5931			2-4'	93
TI-B12-SSS-1202-5932			4-6'	19
TI-B12-SSS-1202-5933			6'-8'	8
TI-B12-SSS-1202-5934			8'-10'	7
TI-B12-SSS-1203-5936	B12-608	104 N X 145 E	0-2'	25
TI-B12-SSS-1203-5938			2-4'	7
TI-B12-SSS-1203-5937			4-6'	9
TI-B12-SSS-1203-5938			6'-8'	12
TI-B12-SSS-1203-5939			8'-10'	7
TI-B12-SSS-1203-5940	B12-609	88 N X 155 E	0-2'	12
TI-B12-SSS-1203-5941			2-4'	180
TI-B12-SSS-1203-5942			4-6'	56
TI-B12-SSS-1203-5943			6'-8'	15
TI-B12-SSS-1203-5944			8'-10'	8
TI-B12-SSS-1203-5946	B12-610	95 N X 147 E	0-2'	17
TI-B12-SSS-1203-5946			2-4'	284
TI-B12-SSS-1203-5947			4-6'	7
TI-B12-SSS-1203-5948			6'-8'	13
TI-B12-SSS-1203-5949			8'-10'	17
TI-B12-SSS-1203-5950	B12-611	108 N X 148 E	0-2'	10
TI-B12-SSS-1203-5951			2-4'	13
TI-B12-SSS-1203-5952			4-6'	5
TI-B12-SSS-1203-5953			6'-8'	13
TI-B12-SSS-1203-5954			8'-10'	9
TI-B12-SSS-1203-5956	B12-612	90 N X 165 E	0-2'	11
TI-B12-SSS-1203-5956			2-4'	18
TI-B12-SSS-1203-5957			4-6'	87
TI-B12-SSS-1203-5958			6'-8'	22
TI-B12-SSS-1203-5959			8'-10'	13
TI-B12-SSS-1203-5960	B12-613	100 N X 145 E	0-2'	26
TI-B12-SSS-1203-5961			2-4'	125
TI-B12-SSS-1203-5962			4-6'	7
TI-B12-SSS-1203-5963			6'-8'	14
TI-B12-SSS-1203-5964			8'-10'	8
TI-B12-SSS-1203-5965	B12-614	80 N X 140 E	0-2'	10
TI-B12-SSS-1203-5966			2-4'	19
TI-B12-SSS-1203-5967			4-6'	14
TI-B12-SSS-1203-5968			6'-8'	14
TI-B12-SSS-1203-5969			8'-10'	73

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1203-5970	B12-615	90 N X 175 E	0-2'	8
TI-B12-SSS-1203-5971			2-4'	140
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1203-5972	B12-616	96 N X 148 E	0-2'	45
TI-B12-SSS-1203-5973			2-4'	162
TI-B12-SSS-1203-5974			4-6'	8
TI-B12-SSS-1203-5975			6'-8'	6
TI-B12-SSS-1203-5976			8'-10'	5
TI-B12-SSS-1203-5977	B12-617	85 N X 174 E	0-2'	4
TI-B12-SSS-1203-5978			2-4'	31
TI-B12-SSS-1203-5979			4-6'	44
TI-B12-SSS-1203-5980			6'-8'	14
TI-B12-SSS-1203-5981			8'-10'	7
TI-B12-SSS-1203-5982	B12-618	98 N X 148 E	0-2'	88
TI-B12-SSS-1203-5983			2-4'	157
TI-B12-SSS-1203-5984			4-6'	13
TI-B12-SSS-1203-5985			6'-8'	6
TI-B12-SSS-1203-5986			8'-10'	4
TI-B12-SSS-1203-5987	B12-619	85 N X 140 E	0-2'	8
TI-B12-SSS-1203-5988			2-4'	17
TI-B12-SSS-1203-5989			4-6'	7
TI-B12-SSS-1203-5990			6'-8'	16
TI-B12-SSS-1203-5991			8'-10'	20
TI-B12-SSS-1203-5992	B12-620	80 N X 135E	0-2'	8
TI-B12-SSS-1203-5993			2-4'	7
TI-B12-SSS-1203-5994			4-6'	14
TI-B12-SSS-1203-5995			6'-8'	11
TI-B12-SSS-1203-5996			8'-10'	5
TI-B12-SSS-1203-5997	B12-621	84 N X 165 E	0-2'	15
TI-B12-SSS-1203-5998			2-4'	35
TI-B12-SSS-1203-5999			4-6'	50
TI-B12-SSS-1203-6000			6'-8'	6
TI-B12-SSS-1203-6001			8'-10'	6
TI-B12-SSS-1203-6002	B12-622	98 N X 145 E	0-2'	30
TI-B12-SSS-1203-6003			2-4'	90
TI-B12-SSS-1203-6004			4-6'	6
TI-B12-SSS-1203-6005			6'-8'	9
TI-B12-SSS-1203-6006			8'-10'	8

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1204-6007	B12-623	88 N X 153 E	0-2'	12
TI-B12-SSS-1204-6008			2-4'	10
TI-B12-SSS-1204-6009			4-6'	33
TI-B12-SSS-1204-6010			6'-8'	68
TI-B12-SSS-1204-6011			8'-10'	18
TI-B12-SSS-1203-6012	B12-624	85 N X 162 E	0-2'	11
TI-B12-SSS-1203-6013			2-4'	31
TI-B12-SSS-1203-6014			4-6'	17
TI-B12-SSS-1203-6015			6'-8'	24
TI-B12-SSS-1203-6016			8'-10'	7
TI-B12-SSS-1204-6017	B12-625	104 N X 165 E	0-2'	19
TI-B12-SSS-1204-6018			2-4'	42
TI-B12-SSS-1204-6019			4-6'	8
TI-B12-SSS-1204-6020			6'-8'	15
TI-B12-SSS-1204-6021			8'-10'	8
TI-B12-SSS-1204-6022	B12-626	105 N X 162 E	0-2'	9
TI-B12-SSS-1204-6023			2-4'	12
TI-B12-SSS-1204-6024			4-6'	6
TI-B12-SSS-1204-6025			6'-8'	8
TI-B12-SSS-1204-6036			8'-10'	7
TI-B12-SSS-1204-6026	B12-627	88 N X 158 E	0-2'	10
TI-B12-SSS-1204-6027			2-4'	41
TI-B12-SSS-1204-6028			4-6'	46
TI-B12-SSS-1204-6029			6'-8'	6
TI-B12-SSS-1204-6030			8'-10'	9
TI-B12-SSS-1204-6031	B12-628	105 N X 158 E	0-2'	39
TI-B12-SSS-1204-6032			2-4'	9
TI-B12-SSS-1204-6033			4-6'	11
TI-B12-SSS-1204-6034			6'-8'	6
TI-B12-SSS-1204-6035			8'-10'	15
TI-B12-SSS-1204-6037	B12-629	95 N X 135 E	0-2'	8
TI-B12-SSS-1204-6038			2-4'	22
TI-B12-SSS-1204-6039			4-6'	10
TI-B12-SSS-1204-6040			6'-8'	11
TI-B12-SSS-1204-6041			8'-10'	6
TI-B12-SSS-1204-6042	B12-630	86 N X 150 E	0-2'	5
TI-B12-SSS-1204-6043			2-4'	5
TI-B12-SSS-1204-6044			4-6'	12
TI-B12-SSS-1204-6045			6'-8'	11
TI-B12-SSS-1204-6046			8'-10'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1204-6047	B12-631	102 N X 153 E	0-2'	23
TI-B12-SSS-1204-6048			2-4'	14
TI-B12-SSS-1204-6049			4-6'	11
TI-B12-SSS-1204-6050			6'-8'	8
TI-B12-SSS-1204-6051			8'-10'	11
TI-B12-SSS-1204-6052	B12-632	105 N X 135 E	0-2'	6
TI-B12-SSS-1204-6053			2-4'	10
TI-B12-SSS-1204-6054			4-6'	5
TI-B12-SSS-1204-6055			6'-8'	13
TI-B12-SSS-1204-6056			8'-10'	2
TI-B12-SSS-1204-6057	B12-633	85 N X 160 E	0-2'	8
TI-B12-SSS-1204-6058			2-4'	25
TI-B12-SSS-1204-6059			4-6'	6
TI-B12-SSS-1204-6060			6'-8'	7
TI-B12-SSS-1204-6061			8'-10'	10
TI-B12-SSS-1204-6062	B12-634	115 N X 142 E	0-2'	15
TI-B12-SSS-1204-6063			2-4'	13
TI-B12-SSS-1204-6064			4-6'	16
TI-B12-SSS-1204-6065			6'-8'	7
TI-B12-SSS-1204-6066			8'-10'	5
TI-B12-SSS-1204-6067	B12-635	84 N X 168 E	0-2'	8
TI-B12-SSS-1204-6068			2-4'	14
TI-B12-SSS-1204-6069			4-6'	26
TI-B12-SSS-1204-6070			6'-8'	24
TI-B12-SSS-1204-6071			8'-10'	7
TI-B12-SSS-1204-6072	B12-636	108 N X 172 E	0-2'	10
TI-B12-SSS-1204-6073			2-4'	11
TI-B12-SSS-1204-6074			4-6'	6
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1205-6075	B12-637	85 N X 170 E	0-2'	6
TI-B12-SSS-1205-6076			2-4'	8
TI-B12-SSS-1205-6077			4-6'	80
TI-B12-SSS-1205-6078			6'-8'	23
TI-B12-SSS-1205-6079			8'-10'	14
TI-B12-SSS-1205-6080	B12-638	108 N X 153 E	0-2'	12
TI-B12-SSS-1205-6081			2-4'	8
TI-B12-SSS-1205-6082			4-6'	14
TI-B12-SSS-1205-6083			6'-8'	13
TI-B12-SSS-1205-6084			8'-10'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1205-6085	B12-639	107 N X 157 E	0-2'	15
TI-B12-SSS-1205-6086			2-4'	17
TI-B12-SSS-1205-6087			4-6'	8
TI-B12-SSS-1205-6088			6'-8'	9
TI-B12-SSS-1205-6089			8'-10'	12
TI-B12-SSS-1205-6090	B12-640	84 N X 173 E	0-2'	10
TI-B12-SSS-1205-6091			2-4'	29
TI-B12-SSS-1205-6092			4-6'	36
TI-B12-SSS-1205-6093			6'-8'	12
TI-B12-SSS-1205-6094			8'-10'	11
TI-B12-SSS-1205-6095	B12-641	95 N X 190 E	0-2'	9
TI-B12-SSS-1205-6096			2-4'	14
			4-6'	R
TI-B12-SSS-1205-6097			6'-8'	24
TI-B12-SSS-1205-6098			8'-10'	21
TI-B12-SSS-1205-6099	B12-642	105 N X 161 E	0-2'	2
TI-B12-SSS-1205-6100			2-4'	12
TI-B12-SSS-1205-6101			4-6'	8
TI-B12-SSS-1205-6102			6'-8'	12
TI-B12-SSS-1205-6103			8'-10'	10
TI-B12-SSS-1205-6104	B12-643	93 N X 193 E	0-2'	12
TI-B12-SSS-1205-6105			2-4'	6
TI-B12-SSS-1205-6106			4-6'	32
TI-B12-SSS-1205-6107			6'-8'	29
TI-B12-SSS-1205-6108			8'-10'	20
TI-B12-SSS-1205-6109	B12-644	93 N X 198E	0-2'	3
TI-B12-SSS-1205-6110			2-4'	17
TI-B12-SSS-1205-6111			4-6'	13
TI-B12-SSS-1205-6112			6'-8'	4
TI-B12-SSS-1205-6113			8'-10'	14
TI-B12-SSS-1205-6114	B12-645	104 N X 150 E	0-2'	7
TI-B12-SSS-1205-6115			2-4'	13
TI-B12-SSS-1205-6116			4-6'	6
TI-B12-SSS-1205-6117			6'-8'	4
TI-B12-SSS-1205-6118			8'-10'	6
TI-B12-SSS-1205-6119	B12-646	84 N X 178 E	0-2'	17
TI-B12-SSS-1205-6120			2-4'	11
TI-B12-SSS-1205-6121			4-6'	9
TI-B12-SSS-1205-6122			6'-8'	9
TI-B12-SSS-1205-6123			8'-10'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1205-6124	B12-647	88 N X 196 E	0-2'	13
TI-B12-SSS-1205-6125			2-4'	9
TI-B12-SSS-1205-6126			4-6'	16
TI-B12-SSS-1205-6127			6'-8'	20
TI-B12-SSS-1205-6128			8'-10'	9
TI-B12-SSS-1206-6129	B12-648	97 N X 145 E	0-2'	49
TI-B12-SSS-1206-6130			2-4'	8
TI-B12-SSS-1206-6131			4-6'	9
TI-B12-SSS-1206-6132			6'-8'	10
TI-B12-SSS-1206-6133			8'-10'	9
TI-B12-SSS-1206-6134	B12-649	97 N X 197 E	0-2'	11
TI-B12-SSS-1206-6135			2-4'	11
TI-B12-SSS-1206-6136			4-6'	8
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1206-6137	B12-650	96 N X 153 E	0-2'	15
TI-B12-SSS-1206-6138			2-4'	134
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1206-6139	B12-651	86 N X 210 E	0-2'	7
TI-B12-SSS-1206-6140			2-4'	11
TI-B12-SSS-1206-6141			4-6'	10
TI-B12-SSS-1206-6142			6'-8'	8
TI-B12-SSS-1206-6143			8'-10'	7
TI-B12-SSS-1206-6144	B12-652	88 N X 207 E	0-2'	6
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1206-6145	B12-653	90 N X 205 E	0-2'	8
TI-B12-SSS-1206-6146			2-4'	9
TI-B12-SSS-1206-6147			4-6'	8
TI-B12-SSS-1206-6148			6'-8'	11
TI-B12-SSS-1206-6149			8'-10'	13
TI-B12-SSS-1206-6150	B12-654	33 N X 184 E	0-2'	8
TI-B12-SSS-1206-6151			2-4'	14
TI-B12-SSS-1206-6152			4-6'	15
TI-B12-SSS-1206-6153			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1206-6154	B12-655	80 N X 160 E	0-2'	8
TI-B12-SSS-1206-6155			2-4'	8
TI-B12-SSS-1206-6156			4-6'	18
TI-B12-SSS-1206-6157			6'-8'	38
TI-B12-SSS-1206-6158			8'-10'	119
TI-B12-SSS-1206-6159	B12-656	83 N X 187 E	0-2'	8
TI-B12-SSS-1206-6160			2-4'	8
TI-B12-SSS-1206-6161			4-6'	15
TI-B12-SSS-1206-6162			6'-8'	25
TI-B12-SSS-1206-6163			8'-10'	8
TI-B12-SSS-1206-6164	B12-657	86 N X 206 E	0-2'	5
TI-B12-SSS-1206-6165			2-4'	6
TI-B12-SSS-1206-6166			4-6'	11
TI-B12-SSS-1206-6167			6'-8'	7
TI-B12-SSS-1206-6168			8'-10'	7
TI-B12-SSS-1206-6169	B12-658	83 N X 162 E	0-2'	10
TI-B12-SSS-1206-6170			2-4'	9
TI-B12-SSS-1206-6171			4-6'	34
TI-B12-SSS-1206-6172			6'-8'	10
TI-B12-SSS-1206-6173			8'-10'	52
TI-B12-SSS-1206-6174	B12-659	80 N X 165 E	0-2'	11
TI-B12-SSS-1206-6175			2-4'	12
TI-B12-SSS-1206-6176			4-6'	48
TI-B12-SSS-1206-6177			6'-8'	34
TI-B12-SSS-1206-6178			8'-10'	53
TI-B12-SSS-1206-6179	B12-660	89 N X 202 E	0-2'	8
TI-B12-SSS-1206-6180			2-4'	7
TI-B12-SSS-1206-6181			4-6'	10
TI-B12-SSS-1206-6182			6'-8'	5
TI-B12-SSS-1206-6183			8'-10'	6
TI-B12-SSS-1206-6184	B12-661	85 N X 180 E	0-2'	15
TI-B12-SSS-1206-6185			2-4'	11
TI-B12-SSS-1206-6186			4-6'	8
			6'-8'	R
TI-B12-SSS-1206-6187			8'-10'	12
TI-B12-SSS-1207-6188	B12-662	87 N X 196 E	0-2'	7
TI-B12-SSS-1207-6189			2-4'	13
TI-B12-SSS-1207-6190			4-6'	14
TI-B12-SSS-1207-6191			6'-8'	7
TI-B12-SSS-1207-6192			8'-10'	8

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1207-6193	B12-663	85 N X 190 E	0-2'	7
TI-B12-SSS-1207-6194			2-4'	17
TI-B12-SSS-1207-6195			4-6'	18
TI-B12-SSS-1207-6196			6'-8'	70
TI-B12-SSS-1207-6197			8'-10'	27
TI-B12-SSS-1207-6198	B12-664	80 N X 170 E	0-2'	10
TI-B12-SSS-1207-6199			2-4'	13
TI-B12-SSS-1207-6200			4-6'	44
			6'-8'	R
TI-B12-SSS-1207-6201			8'-10'	39
TI-B12-SSS-1207-6202	B12-665	88 N X 193 E	0-2'	9
TI-B12-SSS-1207-6203			2-4'	26
TI-B12-SSS-1207-6204			4-6'	13
TI-B12-SSS-1207-6205			6'-8'	6
TI-B12-SSS-1207-6206			8'-10'	6
TI-B12-SSS-1207-6207	B12-666	88 N X 186 E	0-2'	10
TI-B12-SSS-1207-6208			2-4'	25
TI-B12-SSS-1207-6209			4-6'	14
TI-B12-SSS-1207-6210			6'-8'	10
			8'-10'	R
TI-B12-SSS-1207-6211	B12-667	81 N X 175 E	0-2'	7
TI-B12-SSS-1207-6212			2-4'	11
TI-B12-SSS-1207-6213			4-6'	70
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1207-6214	B12-668	86 N X 200 E	0-2'	15
TI-B12-SSS-1207-6215			2-4'	11
TI-B12-SSS-1207-6216			4-6'	12
TI-B12-SSS-1207-6217			6'-8'	10
TI-B12-SSS-1207-6218			8'-10'	11
TI-B12-SSS-1207-6219	B12-669	83 N X 156 E	0-2'	10
TI-B12-SSS-1207-6220			2-4'	14
TI-B12-SSS-1207-6221			4-6'	9
TI-B12-SSS-1207-6222			6'-8'	20
TI-B12-SSS-1207-6223			8'-10'	10
TI-B12-SSS-1207-6224	B12-670	88 N X 187 E	0-2'	27
TI-B12-SSS-1207-6225			2-4'	55
TI-B12-SSS-1207-6226			4-6'	11
TI-B12-SSS-1207-6227			6'-8'	10
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1207-6228	B12-671	110 N X 147 E	0-2'	17
TI-B12-SSS-1207-6229			2-4'	7
TI-B12-SSS-1207-6230			4-6'	10
TI-B12-SSS-1207-6231			6'-8'	6
TI-B12-SSS-1207-6232			8'-10'	7
TI-B12-SSS-1207-6233	B12-672	84 N X 153 E	0-2'	9
TI-B12-SSS-1207-6234			2-4'	30
			4-6'	R
TI-B12-SSS-1207-6235			6'-8'	10
TI-B12-SSS-1207-6236			8'-10'	12
TI-B12-SSS-1207-6237	B12-673	96 N X 196 E	0-2'	11
			2-4'	R
TI-B12-SSS-1207-6238			4-6'	9
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1207-6239	B12-674	96 N X 180 E	0-2'	8
TI-B12-SSS-1207-6240			2-4'	6
TI-B12-SSS-1207-6241			4-6'	7
TI-B12-SSS-1207-6242			6'-8'	22
TI-B12-SSS-1207-6243			8'-10'	10
TI-B12-SSS-1207-6244	B12-675	81 N X 156 E	0-2'	7
TI-B12-SSS-1207-6245			2-4'	14
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1207-6246	B12-676	91 N X 184 E	0-2'	19
TI-B12-SSS-1207-6247			2-4'	28
TI-B12-SSS-1207-6248			4-6'	15
TI-B12-SSS-1207-6249			6'-8'	7
TI-B12-SSS-1207-6250			8'-10'	12
TI-B12-SSS-1208-6251	B12-677	110 N X 155 E	0-2'	7
TI-B12-SSS-1208-6252			2-4'	14
TI-B12-SSS-1208-6253			4-6'	14
TI-B12-SSS-1208-6254			6'-8'	6
TI-B12-SSS-1208-6255			8'-10'	14
TI-B12-SSS-1208-6256	B12-678	93 N X 173 E	0-2'	11
TI-B12-SSS-1208-6257			2-4'	188
TI-B12-SSS-1208-6258			4-6'	63
TI-B12-SSS-1208-6259			6'-8'	10
TI-B12-SSS-1208-6260			8'-10'	8

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1208-6261	B12-679	104 N X 197 E	0-2'	10
TI-B12-SSS-1208-6262			2-4'	23
TI-B12-SSS-1208-6263			4-6'	14
TI-B12-SSS-1208-6264			6'-8'	13
TI-B12-SSS-1208-6265			8'-10'	8
TI-B12-SSS-1208-6266	B12-680	77 N X 154 E	0-2'	7
TI-B12-SSS-1208-6267			2-4'	10
TI-B12-SSS-1208-6268			4-6'	13
TI-B12-SSS-1208-6269			6'-8'	8
TI-B12-SSS-1208-6270			8'-10'	6
TI-B12-SSS-1208-6271	B12-681	100 N X 195 E	0-2'	8
TI-B12-SSS-1208-6272			2-4'	24
TI-B12-SSS-1208-6273			4-6'	22
TI-B12-SSS-1208-6274			6'-8'	12
TI-B12-SSS-1208-6275			8'-10'	16
TI-B12-SSS-1208-6276	B12-682	97 N X 173 E	0-2'	6
TI-B12-SSS-1208-6277			2-4'	120
TI-B12-SSS-1208-6278			4-6'	69
TI-B12-SSS-1208-6279			6'-8'	67
TI-B12-SSS-1208-6280			8'-10'	8
TI-B12-SSS-1208-6281	B12-683	104 N X 194 E	0-2'	NR
TI-B12-SSS-1208-6282			2-4'	31
			4-6'	R
TI-B12-SSS-1208-6283			6'-8'	53
TI-B12-SSS-1208-6284			8'-10'	8
TI-B12-SSS-1208-6285	B12-684	100 N X 194 E	0-2'	12
TI-B12-SSS-1208-6286			2-4'	23
TI-B12-SSS-1208-6287			4-6'	14
TI-B12-SSS-1208-6288			6'-8'	11
TI-B12-SSS-1208-6289			8'-10'	20
TI-B12-SSS-1208-6290	B12-685	93 N X 196 E	0-2'	17
TI-B12-SSS-1208-6291			2-4'	314
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1208-6292	B12-686	82 N X 150 E	0-2'	5
TI-B12-SSS-1208-6293			2-4'	10
			4-6'	R
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1208-6284	B12-687	106 N X 180 E	0-2'	8
TI-B12-SSS-1208-6295			2-4'	8
TI-B12-SSS-1208-6296			4-6'	9
TI-B12-SSS-1208-6297			6'-8'	12
TI-B12-SSS-1208-6298			8'-10'	4
TI-B12-SSS-1209-6299	B12-688	109 N X 163 E	0-2'	8
TI-B12-SSS-1209-6300			2-4'	10
TI-B12-SSS-1209-6301			4-6'	20
TI-B12-SSS-1209-6302			6'-8'	13
TI-B12-SSS-1209-6303			8'-10'	3
TI-B12-SSS-1209-6304	B12-689	98 N X 173 E	0-2'	120
TI-B12-SSS-1209-6305			2-4'	242
TI-B12-SSS-1209-6306			4-6'	47
TI-B12-SSS-1209-6307			6'-8'	10
TI-B12-SSS-1209-6308			8'-10'	14
TI-B12-SSS-1209-6309	B12-690	106 N X 170 E	0-2'	46
TI-B12-SSS-1209-6310			2-4'	58
TI-B12-SSS-1209-6311			4-6'	10
TI-B12-SSS-1209-6312			6'-8'	6
TI-B12-SSS-1209-6313			8'-10'	8
TI-B12-SSS-1209-6314	B12-691	98 N X 177 E	0-2'	15
TI-B12-SSS-1209-6315			2-4'	72
TI-B12-SSS-1209-6316			4-6'	9
TI-B12-SSS-1209-6317			6'-8'	13
TI-B12-SSS-1209-6318			8'-10'	10
TI-B12-SSS-1209-6319	B12-692	92 N X 163 E	0-2'	13
TI-B12-SSS-1209-6320			2-4'	86
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1209-6321	B12-693	104 N X 173 E	0-2'	21
TI-B12-SSS-1209-6322			2-4'	6
TI-B12-SSS-1209-6323			4-6'	7
TI-B12-SSS-1209-6324			6'-8'	13
TI-B12-SSS-1209-6325			8'-10'	5
TI-B12-SSS-1209-6326	B12-694	96 N X 163 E	0-2'	22
TI-B12-SSS-1209-6327			2-4'	30
TI-B12-SSS-1209-6328			4-6'	72
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1209-6329	B12-695	110 N X 165 E	0-2'	16
TI-B12-SSS-1209-6330			2-4'	14
TI-B12-SSS-1209-6331			4-6'	6
TI-B12-SSS-1209-6332			6'-8'	8
TI-B12-SSS-1209-6332			8'-10'	10
TI-B12-SSS-1209-6334	B12-696	96 N X 167 E	0-2'	13
TI-B12-SSS-1209-6335			2-4'	80
TI-B12-SSS-1209-6336			4-6'	15
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1209-6337	B12-697	95 N X 170 E	0-2'	7
TI-B12-SSS-1209-6338			2-4'	282
TI-B12-SSS-1209-6339			4-6'	91
TI-B12-SSS-1209-6340			6'-8'	9
TI-B12-SSS-1209-6341			8'-10'	11
TI-B12-SSS-1212-6457	B12-698	110 N X 295 E	0-2'	12
TI-B12-SSS-1212-6458			2-4'	8
TI-B12-SSS-1212-6459			4-6'	9
TI-B12-SSS-1212-6460			6'-8'	13
TI-B12-SSS-1212-6461			8'-10'	13
TI-B12-SSS-1209-6342	B12-699	95 N X 160 E	0-2'	10
TI-B12-SSS-1209-6343			2-4'	240
TI-B12-SSS-1209-6344			4-6'	8
TI-B12-SSS-1209-6345			6'-8'	18
			8'-10'	R
TI-B12-SSS-1209-6346	B12-700	104 N X 176 E	0-2'	17
TI-B12-SSS-1209-6347			2-4'	24
TI-B12-SSS-1209-6348			4-6'	14
TI-B12-SSS-1209-6349			6'-8'	9
TI-B12-SSS-1209-6350			8'-10'	13
TI-B12-SSS-1209-6351	B12-701	109 N X 167 E	0-2'	6
TI-B12-SSS-1209-6352			2-4'	8
TI-B12-SSS-1209-6353			4-6'	7
TI-B12-SSS-1209-6354			6'-8'	10
TI-B12-SSS-1209-6355			8'-10'	5
TI-B12-SSS-1209-6356	B12-702	98 N X 175 E	0-2'	27
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1209-6357	B12-703	102 N X 175 E	0-2'	42
TI-B12-SSS-1209-6358			2-4'	212
TI-B12-SSS-1209-6359			4-6'	51
TI-B12-SSS-1209-6360			6'-8'	11
TI-B12-SSS-1209-6361			8'-10'	17
TI-B12-SSS-1209-6362	B12-704	100 N X 162 E	0-2'	37
TI-B12-SSS-1209-6363			2-4'	104
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1209-6364	B12-705	103 N X 160 E	0-2'	16
TI-B12-SSS-1209-6365			2-4'	325
TI-B12-SSS-1209-6366			4-6'	12
TI-B12-SSS-1209-6367			6'-8'	5
			8'-10'	R
TI-B12-SSS-1210-6368	B12-706	110 N X 173 E	0-2'	10
TI-B12-SSS-1210-6369			2-4'	6
TI-B12-SSS-1210-6370			4-6'	11
TI-B12-SSS-1210-6371			6'-8'	18
TI-B12-SSS-1210-6372			8'-10'	10
TI-B12-SSS-1210-6373	B12-707	114 N X 210 E	0-2'	12
TI-B12-SSS-1210-6374			2-4'	35
TI-B12-SSS-1210-6375			4-6'	51
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1210-6376	B12-708	117 N X 217 E	0-2'	7
TI-B12-SSS-1210-6377			2-4'	13
TI-B12-SSS-1210-6378			4-6'	202
TI-B12-SSS-1210-6379			6'-8'	25
TI-B12-SSS-1210-6380			8'-10'	24
TI-B12-SSS-1210-6381	B12-709	107 N X 237 E	0-2'	10
TI-B12-SSS-1210-6382			2-4'	11
TI-B12-SSS-1210-6383			4-6'	8
TI-B12-SSS-1210-6384			6'-8'	9
TI-B12-SSS-1210-6385			8'-10'	10
TI-B12-SSS-1210-6386	B12-710	113 N X 213 E	0-2'	21
TI-B12-SSS-1210-6387			2-4'	14
TI-B12-SSS-1210-6388			4-6'	154
TI-B12-SSS-1210-6389			6'-8'	139
TI-B12-SSS-1210-6390			8'-10'	137

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1210-6391	B12-711	117N X 220 E	0-2'	11
TI-B12-SSS-1210-6392			2-4'	12
TI-B12-SSS-1210-6393			4-6'	17
TI-B12-SSS-1210-6394			6'-8'	14
TI-B12-SSS-1210-6395			8'-10'	17
TI-B12-SSS-1210-6396	B12-712	101 N X 178 E	0-2'	8
TI-B12-SSS-1210-6397			2-4'	16
TI-B12-SSS-1210-6398			4-6'	12
TI-B12-SSS-1210-6399			6'-8'	23
			8'-10'	R
TI-B12-SSS-1210-6400	B12-713	118 N X 234 E	0-2'	12
TI-B12-SSS-1210-6401			2-4'	3
TI-B12-SSS-1210-6402			4-6'	3
TI-B12-SSS-1210-6403			6'-8'	7
TI-B12-SSS-1210-6404			8'-10'	10
TI-B12-SSS-1210-6405	B12-714	120 N X 213 E	0-2'	7
TI-B12-SSS-1210-6406			2-4'	14
TI-B12-SSS-1210-6407			4-6'	90
TI-B12-SSS-1210-6408			6'-8'	13
TI-B12-SSS-1210-6409			8'-10'	14
TI-B12-SSS-1210-6410	B12-715	108 N X 191 E	0-2'	8
TI-B12-SSS-1210-7343			2-4'	14
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1210-6411	B12-716	113 N X 217 E	0-2'	9
TI-B12-SSS-1210-6412			2-4'	33
TI-B12-SSS-1210-6413			4-6'	218
TI-B12-SSS-1210-6414			6'-8'	10
			8'-10'	R
TI-B12-SSS-1210-6415	B12-717	120 N X 234 E	0-2'	6
TI-B12-SSS-1210-6416			2-4'	11
TI-B12-SSS-1210-6417			4-6'	9
TI-B12-SSS-1210-6418			6'-8'	11
TI-B12-SSS-1210-6419			8'-10'	11
TI-B12-SSS-1210-6420	B12-718	106 N X 189 E	0-2'	13
TI-B12-SSS-1210-6421			2-4'	26
TI-B12-SSS-1210-6422			4-6'	9
TI-B12-SSS-1210-6423			6'-8'	11
TI-B12-SSS-1210-6424			8'-10'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1210-6425	B12-719	115 N X 219 E	0-2'	5
TI-B12-SSS-1210-6426			2-4'	17
TI-B12-SSS-1210-6427			4-6'	10
TI-B12-SSS-1210-6428			6'-8'	5
TI-B12-SSS-1210-6429			8'-10'	12
TI-B12-SSS-1210-6430	B12-720	121 N X 225 E	0-2'	8
TI-B12-SSS-1210-6431			2-4'	8
TI-B12-SSS-1210-6432			4-6'	15
TI-B12-SSS-1210-6433			6'-8'	9
TI-B12-SSS-1210-6434			8'-10'	17
TI-B12-SSS-1210-6435	B12-721	113 N X 237 E	0-2'	6
TI-B12-SSS-1210-6436			2-4'	4
TI-B12-SSS-1210-6437			4-6'	R
TI-B12-SSS-1210-6438			6'-8'	R
TI-B12-SSS-1210-6439			8'-10'	12
TI-B12-SSS-1210-6440	B12-722	117 N X 237 E	0-2'	8
TI-B12-SSS-1210-6441			2-4'	12
TI-B12-SSS-1210-6442			4-6'	13
TI-B12-SSS-1210-6443			6'-8'	10
TI-B12-SSS-1210-6444			8'-10'	5
TI-B12-SSS-1210-6445	B12-723	110 N X 245 E	0-2'	7
TI-B12-SSS-1210-6446			2-4'	9
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1210-6447	B12-724	109 N X 189 E	0-2'	23
TI-B12-SSS-1210-6448			2-4'	8
TI-B12-SSS-1210-6449			4-6'	9
TI-B12-SSS-1210-6450			6'-8'	8
TI-B12-SSS-1210-6451			8'-10'	R
TI-B12-SSS-1210-6452	B12-725	113 N X 232 E	0-2'	7
TI-B12-SSS-1210-6453			2-4'	11
TI-B12-SSS-1210-6454			4-6'	11
TI-B12-SSS-1210-6455			6'-8'	10
TI-B12-SSS-1210-6456			8'-10'	16
TI-B12-SSS-1212-6462	B12-726	110 N X 255 E	0-2'	28
TI-B12-SSS-1212-6463			2-4'	54
TI-B12-SSS-1212-6464			4-6'	8
TI-B12-SSS-1212-6465			6'-8'	7
TI-B12-SSS-1212-6466			8'-10'	24

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1212-6467	B12-727	105 N X 240 E	0-2'	8
TI-B12-SSS-1212-6468			2-4'	7
TI-B12-SSS-1212-6469			4-6'	10
TI-B12-SSS-1212-6470			6'-8'	9
TI-B12-SSS-1212-6471			8'-10'	8
TI-B12-SSS-1212-6472	B12-728	100 N X 234 E	0-2'	16
TI-B12-SSS-1212-6473			2-4'	18
TI-B12-SSS-1212-6474			4-6'	8
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1212-6475	B12-729	107 N X 306 E	0-2'	6
TI-B12-SSS-1212-6476			2-4'	11
TI-B12-SSS-1212-6477			4-6'	8
TI-B12-SSS-1212-6478			6'-8'	12
TI-B12-SSS-1212-6479			8'-10'	5
TI-B12-SSS-1212-6480	B12-730	105 N X 249 E	0-2'	24
TI-B12-SSS-1212-6481			2-4'	6
TI-B12-SSS-1212-6482			4-6'	11
TI-B12-SSS-1212-6483			6'-8'	6
TI-B12-SSS-1212-6484			8'-10'	8
TI-B12-SSS-1212-6485	B12-731	110 N X 164 E	0-2'	70
TI-B12-SSS-1212-6486			2-4'	27
TI-B12-SSS-1212-6487			4-6'	12
TI-B12-SSS-1212-6488			6'-8'	8
			8'-10'	R
TI-B12-SSS-1212-6489	B12-732	110 N X 304 E	0-2'	12
TI-B12-SSS-1212-6490			2-4'	9
TI-B12-SSS-1212-6491			4-6'	10
TI-B12-SSS-1212-6492			6'-8'	11
			8'-10'	R
TI-B12-SSS-1212-6493	B12-733	109 N X 275 E	0-2'	12
TI-B12-SSS-1212-6494			2-4'	25
TI-B12-SSS-1212-6495			4-6'	10
			6'-8'	NR
			8'-10'	NR
TI-B12-SSS-1212-6496	B12-734	107 N X 243 E	0-2'	5
			2-4'	NR
			4-6'	NR
			6'-8'	NR
			8'-10'	NR

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1212-6497	B12-735	103 N X 262 E	0-2'	132
			2-4'	NR
			4-6'	NR
			6'-8'	NR
			8'-10'	NR
TI-B12-SSS-1212-6498	B12-736	107 N X 302 E	0-2'	16
			2-4'	NR
			4-6'	NR
			6'-8'	NR
			8'-10'	NR
TI-B12-SSS-1212-6499	B12-737	110 N X 285 E	0-2'	18
TI-B12-SSS-1212-6500			2-4'	53
TI-B12-SSS-1212-6501			4-6'	R
TI-B12-SSS-1212-6502			6'-8'	7
TI-B12-SSS-1212-6503			8'-10'	11
TI-B12-SSS-1212-6504	B12-738	104 N X 269 E	0-2'	86
TI-B12-SSS-1212-6505			2-4'	91
TI-B12-SSS-1212-6506			4-6'	11
TI-B12-SSS-1212-6507			6'-8'	9
TI-B12-SSS-1212-6508			8'-10'	8
TI-B12-SSS-1212-6509	B12-739	107 N X 248 E	0-2'	11
TI-B12-SSS-1212-6510			2-4'	13
TI-B12-SSS-1212-6511			4-6'	9
TI-B12-SSS-1212-6512			6'-8'	8
TI-B12-SSS-1212-6513			8'-10'	11
TI-B12-SSS-1212-6514	B12-740	105 N X 300 E	0-2'	10
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1212-6515	B12-741	108 N X 297 E	0-2'	10
TI-B12-SSS-1212-6516			2-4'	7
TI-B12-SSS-1212-6517			4-6'	13
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1212-6518	B12-742	105 N X 279 E	0-2'	55
TI-B12-SSS-1212-6519			2-4'	154
TI-B12-SSS-1212-6520			4-6'	11
TI-B12-SSS-1212-6521			6'-8'	5
TI-B12-SSS-1212-6522			8'-10'	12

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1212-6523	B12-743	107 N X 253 E	0-2'	42
TI-B12-SSS-1212-6524			2-4'	146
TI-B12-SSS-1212-6525			4-6'	7
TI-B12-SSS-1212-6526			6'-8'	6
TI-B12-SSS-1212-6527			8'-10'	10
TI-B12-SSS-1212-6528	B12-744	104 N X 306 E	0-2'	13
TI-B12-SSS-1212-6529			2-4'	6
TI-B12-SSS-1212-6530			4-6'	5
TI-B12-SSS-1212-6531			6'-8'	6
			8'-10'	R
TI-B12-SSS-1212-6532	B12-745	107 N X 273 E	0-2'	37
TI-B12-SSS-1212-6533			2-4'	27
TI-B12-SSS-1212-6534			4-6'	12
TI-B12-SSS-1212-6535			6'-8'	5
TI-B12-SSS-1212-6536			8'-10'	7
TI-B12-SSS-1213-6537	B12-746	102 N X 237 E	0-2'	20
TI-B12-SSS-1213-6538			2-4'	8
TI-B12-SSS-1213-6539			4-6'	9
TI-B12-SSS-1213-6540			6'-8'	8
TI-B12-SSS-1213-6541			8'-10'	7
TI-B12-SSS-1213-6542	B12-747	108 N X 286 E	0-2'	20
TI-B12-SSS-1213-6543			2-4'	8
TI-B12-SSS-1213-6544			4-6'	8
TI-B12-SSS-1213-6545			6'-8'	7
TI-B12-SSS-1213-6546			8'-10'	9
TI-B12-SSS-1213-6547	B12-748	103 N X 292 E	0-2'	59
TI-B12-SSS-1213-6548			2-4'	17
TI-B12-SSS-1213-6549			4-6'	51
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1213-6550	B12-749	105 N X 260 E	0-2'	45
TI-B12-SSS-1213-6551			2-4'	19
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1212-6552	B12-750	103 N X 243 E	0-2'	11
TI-B12-SSS-1212-6553			2-4'	12
TI-B12-SSS-1212-6554			4-6'	5
TI-B12-SSS-1212-6555			6'-8'	8
TI-B12-SSS-1212-6556			8'-10'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1212-6557	B12-751	104 N X 287 E	0-2'	26
TI-B12-SSS-1212-6558			2-4'	12
TI-B12-SSS-1212-6559			4-6'	R
TI-B12-SSS-1212-6560			6'-8'	3
TI-B12-SSS-1212-6561			8'-10'	8
TI-B12-SSS-1212-6562	B12-752	103 N X 282 E	0-2'	32
TI-B12-SSS-1212-6563			2-4'	12
TI-B12-SSS-1212-6564			4-6'	10
TI-B12-SSS-1212-6565			6'-8'	6
TI-B12-SSS-1212-6566			8'-10'	8
TI-B12-SSS-1212-6567	B12-753	103 N X 248 E	0-2'	R
TI-B12-SSS-1212-6568			2-4'	13
TI-B12-SSS-1212-6569			4-6'	8
TI-B12-SSS-1212-6570			6'-8'	7
TI-B12-SSS-1212-6571			8'-10'	6
TI-B12-SSS-1212-6572	B12-754	108 N X 262 E	0-2'	30
TI-B12-SSS-1212-6573			2-4'	35
TI-B12-SSS-1212-6574			4-6'	12
TI-B12-SSS-1212-6575			6'-8'	25
TI-B12-SSS-1212-6576			8'-10'	12
TI-B12-SSS-1213-6577	B12-755	101 N X 294 E	0-2'	71
TI-B12-SSS-1213-6578			2-4'	10
TI-B12-SSS-1213-6579			4-6'	11
TI-B12-SSS-1213-6580			6'-8'	9
TI-B12-SSS-1213-7865			8'-10'	16
TI-B12-SSS-1213-6581	B12-756	105 N X 281 E	0-2'	46
TI-B12-SSS-1213-6582			2-4'	63
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1213-6583	B12-757	100 N X 245 E	0-2'	10
TI-B12-SSS-1213-6584			2-4'	7
TI-B12-SSS-1213-6585			4-6'	6
TI-B12-SSS-1213-6586			6'-8'	8
TI-B12-SSS-1213-6587			8'-10'	5
TI-B12-SSS-1213-6588	B12-758	108 N X 293 E	0-2'	33
TI-B12-SSS-1213-6589			2-4'	14
TI-B12-SSS-1213-6590			4-6'	6
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1213-6591	B12-759	104 N X 297 E	0-2'	67
TI-B12-SSS-1213-6592			2-4'	40
TI-B12-SSS-1213-6593			4-6'	18
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1213-6594	B12-760	107 N X 267 E	0-2'	36
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	6
TI-B12-SSS-1213-6595	B12-761	103 N X 267 E	0-2'	12
TI-B12-SSS-1213-6596			2-4'	39
TI-B12-SSS-1213-6597			4-6'	36
TI-B12-SSS-1213-6598			6'-8'	11
TI-B12-SSS-1213-6599			8'-10'	10
TI-B12-SSS-1213-6600	B12-762	104 N X 258 E	0-2'	22
TI-B12-SSS-1213-6601			2-4'	8
TI-B12-SSS-1213-6602			4-6'	23
TI-B12-SSS-1213-6603			6'-8'	R
TI-B12-SSS-1213-6604			8'-10'	6
TI-B12-SSS-1213-6605	B12-763	101 N X 302 E	0-2'	27
TI-B12-SSS-1213-6606			2-4'	11
TI-B12-SSS-1213-6607			4-6'	11
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1213-6608	B12-764	114 N X 297 E	0-2'	10
TI-B12-SSS-1213-6609			2-4'	9
TI-B12-SSS-1213-6610			4-6'	10
TI-B12-SSS-1213-6611			6'-8'	13
			8'-10'	R
TI-B12-SSS-1213-6612	B12-765	103 N X 272 E	0-2'	61
TI-B12-SSS-1213-6613			2-4'	44
TI-B12-SSS-1213-6614			4-6'	10
TI-B12-SSS-1213-6615			6'-8'	12
TI-B12-SSS-1213-6616			8'-10'	9
TI-B12-SSS-1214-6617	B12-766	108 N X 273 E	0-2'	473
TI-B12-SSS-1214-6618			2-4'	99
TI-B12-SSS-1214-6619			4-6'	19
TI-B12-SSS-1214-6620			6'-8'	11
TI-B12-SSS-1214-6621			8'-10'	15

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1214-6622	B12-767	103 N X 252 E	0-2'	4
TI-B12-SSS-1214-6623			2-4'	6
TI-B12-SSS-1214-6624			4-6'	12
TI-B12-SSS-1214-6625			6'-8'	16
TI-B12-SSS-1214-6626			8'-10'	6
TI-B12-SSS-1214-6627	B12-768	100 N X 253 E	0-2'	12
TI-B12-SSS-1214-6628			2-4'	8
TI-B12-SSS-1214-6629			4-6'	9
TI-B12-SSS-1214-6630			6'-8'	14
TI-B12-SSS-1214-6631			8'-10'	R
TI-B12-SSS-1214-6632	B12-769	116 N X 289 E	0-2'	11
TI-B12-SSS-1214-6633			2-4'	7
TI-B12-SSS-1214-6634			4-6'	10
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1214-6635	B12-770	107 N X 282 E	0-2'	37
TI-B12-SSS-1214-6636			2-4'	47
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1214-6637	B12-771	96 N X 262 E	0-2'	15
TI-B12-SSS-1214-6638			2-4'	8
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1214-6639	B12-772	101 N X 285 E	0-2'	8
TI-B12-SSS-1214-6640			2-4'	9
TI-B12-SSS-1214-6641			4-6'	7
TI-B12-SSS-1214-6642			6'-8'	8
TI-B12-SSS-1214-6643			8'-10'	10
TI-B12-SSS-1214-6644	B12-773	97 N X 267 E	0-2'	79
TI-B12-SSS-1214-6645			2-4'	29
TI-B12-SSS-1214-6646			4-6'	10
TI-B12-SSS-1214-6647			6'-8'	8
TI-B12-SSS-1214-6648			8'-10'	R
TI-B12-SSS-1214-6649	B12-774	95 N X 293 E	0-2'	20
TI-B12-SSS-1214-6650			2-4'	4
TI-B12-SSS-1214-6651			4-6'	9
TI-B12-SSS-1214-6652			6'-8'	7
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1214-6653	B12-775	97 N X 272 E	0-2'	6
TI-B12-SSS-1214-6654			2-4'	4
TI-B12-SSS-1214-6655			4-6'	13
TI-B12-SSS-1214-6656			6'-8'	4
TI-B12-SSS-1214-6657			8'-10'	4
TI-B12-SSS-1214-6658	B12-776	119 N X 292 E	0-2'	8
TI-B12-SSS-1214-6659			2-4'	9
TI-B12-SSS-1214-6660			4-6'	10
TI-B12-SSS-1214-6661			6'-8'	5
			8'-10'	R
TI-B12-SSS-1214-6662	B12-777	103 N X 273 E	0-2'	30
TI-B12-SSS-1214-6663			2-4'	8
TI-B12-SSS-1214-6664			4-6'	8
TI-B12-SSS-1214-6665			6'-8'	7
TI-B12-SSS-1214-6666			8'-10'	9
TI-B12-SSS-1214-6667	B12-778	97 N X 278 E	0-2'	4
TI-B12-SSS-1214-6668			2-4'	10
TI-B12-SSS-1214-6669			4-6'	12
TI-B12-SSS-1214-6670			6'-8'	10
TI-B12-SSS-1214-6671			8'-10'	5
TI-B12-SSS-1214-6672	B12-779	120 N X 295 E	0-2'	15
TI-B12-SSS-1214-6673			2-4'	15
TI-B12-SSS-1214-6674			4-6'	12
TI-B12-SSS-1214-6675			6'-8'	5
TI-B12-SSS-1214-6676			8'-10'	5
TI-B12-SSS-1214-6677	B12-780	118 N X 297 E	0-2'	14
TI-B12-SSS-1214-6678			2-4'	10
TI-B12-SSS-1214-6679			4-6'	11
TI-B12-SSS-1214-6680			6'-8'	7
			8'-10'	R
TI-B12-SSS-1215-6681	B12-781	116 N X 300 E	0-2'	10
TI-B12-SSS-1215-6682			2-4'	9
TI-B12-SSS-1215-6683			4-6'	18
TI-B12-SSS-1215-6684			6'-8'	6
			8'-10'	R
TI-B12-SSS-1215-6685	B12-782	112 N X 242 E	0-2'	14
TI-B12-SSS-1215-6686			2-4'	7
TI-B12-SSS-1215-6687			4-6'	9
TI-B12-SSS-1215-6688			6'-8'	11
TI-B12-SSS-1215-6689			8'-10'	15

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1215-6690	B12-783	120 N X 254 E	0-2'	9
TI-B12-SSS-1215-6691			2-4'	14
TI-B12-SSS-1215-6692			4-6'	9
TI-B12-SSS-1215-6693			6'-8'	7
TI-B12-SSS-1215-6694			8'-10'	11
TI-B12-SSS-1215-6695	B12-784	112 N X 248 E	0-2'	17
TI-B12-SSS-1215-6696			2-4'	9
TI-B12-SSS-1215-6697			4-6'	9
TI-B12-SSS-1215-6698			6'-8'	5
TI-B12-SSS-1215-6699			8'-10'	9
TI-B12-SSS-1215-6700	B12-785	125 N X 300 E	0-2'	7
TI-B12-SSS-1215-6701			2-4'	5
TI-B12-SSS-1215-6702			4-6'	15
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1215-6703	B12-786	112 N X 253 E	0-2'	8
TI-B12-SSS-1215-6704			2-4'	9
TI-B12-SSS-1215-6705			4-6'	8
TI-B12-SSS-1215-6706			6'-8'	5
TI-B12-SSS-1215-6707			8'-10'	10
TI-B12-SSS-1215-6708	B12-787	120 N X 265 E	0-2'	9
TI-B12-SSS-1215-6709			2-4'	9
TI-B12-SSS-1215-6710			4-6'	6
TI-B12-SSS-1215-6711			6'-8'	13
			8'-10'	R
TI-B12-SSS-1215-6712	B12-788	127 N X 294 E	0-2'	10
TI-B12-SSS-1215-6713			2-4'	7
TI-B12-SSS-1215-6714			4-6'	6
TI-B12-SSS-1215-6715			6'-8'	8
			8'-10'	R
TI-B12-SSS-1215-6716	B12-789	120 N X 274 E	0-2'	6
TI-B12-SSS-1215-6717			2-4'	10
TI-B12-SSS-1215-6718			4-6'	9
TI-B12-SSS-1215-6719			6'-8'	13
TI-B12-SSS-1215-6720			8'-10'	8
TI-B12-SSS-1215-6721	B12-790	112 N X 258 E	0-2'	19
TI-B12-SSS-1215-6722			2-4'	8
TI-B12-SSS-1215-6723			4-6'	11
TI-B12-SSS-1215-6724			6'-8'	5
TI-B12-SSS-1215-6725			8'-10'	14

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1215-6732	B12-791	112 N X 264 E	0-2'	88
TI-B12-SSS-1215-6733			2-4'	12
TI-B12-SSS-1215-6734			4-6'	46
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1215-6726	B12-792	120 N X 285 E	0-2'	13
TI-B12-SSS-1215-6727			2-4'	6
TI-B12-SSS-1215-6728			4-6'	7
TI-B12-SSS-1215-6729			6'-8'	9
TI-B12-SSS-1215-6730			8'-10'	7
TI-B12-SSS-1215-6731	B12-793	130 N X 295 E	0-2'	5
TI-B12-SSS-1215-6735			2-4'	13
TI-B12-SSS-1215-6736			4-6'	12
TI-B12-SSS-1215-6737			6'-8'	15
			8'-10'	R
TI-B12-SSS-1215-6738	B12-794	123 N X 292 E	0-2'	5
TI-B12-SSS-1215-6739			2-4'	15
TI-B12-SSS-1215-6740			4-6'	6
TI-B12-SSS-1215-6741			6'-8'	18
TI-B12-SSS-1215-6742			8'-10'	7
TI-B12-SSS-1215-6743	B12-795	123 N X 295 E	0-2'	10
TI-B12-SSS-1215-6744			2-4'	7
			4-6'	R
TI-B12-SSS-1215-6745			6'-8'	14
			8'-10'	R
TI-B12-SSS-1215-6746	B12-796	115 N X 240 E	0-2'	5
TI-B12-SSS-1215-6747			2-4'	9
TI-B12-SSS-1215-6748			4-6'	8
TI-B12-SSS-1215-6749			6'-8'	11
TI-B12-SSS-1215-6750			8'-10'	5
TI-B12-SSS-1216-6751	B12-797	120 N X 244 E	0-2'	9
TI-B12-SSS-1216-6752			2-4'	12
TI-B12-SSS-1216-6753			4-6'	6
TI-B12-SSS-1216-6754			6'-8'	12
TI-B12-SSS-1216-6755			8'-10'	9
TI-B12-SSS-1216-6756	B12-798	118 N X 293 E	0-2'	20
TI-B12-SSS-1216-6757			2-4'	9
TI-B12-SSS-1216-6758			4-6'	6
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1216-6759	B12-799	116 N X 243 E	0-2'	8
TI-B12-SSS-1216-6760			2-4'	6
TI-B12-SSS-1216-6761			4-6'	15
TI-B12-SSS-1216-6762			6'-8'	11
TI-B12-SSS-1216-6763			8'-10'	11
TI-B12-SSS-1216-6764	B12-800	116 N X 263 E	0-2'	25
			2-4'	R
TI-B12-SSS-1216-6765			4-6'	9
TI-B12-SSS-1216-6766			6'-8'	10
			8'-10'	R
TI-B12-SSS-1216-6767	B12-801	116 N X 249 E	0-2'	8
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1216-6768	B12-802	116 N X 270 E	0-2'	54
TI-B12-SSS-1216-6769			2-4'	65
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1216-6770	B12-803	114 N X 288 E	0-2'	25
TI-B12-SSS-1216-6771			2-4'	66
TI-B12-SSS-1216-6772			4-6'	7
TI-B12-SSS-1216-6773			6'-8'	11
TI-B12-SSS-1216-6774			8'-10'	10
TI-B12-SSS-1216-6775	B12-804	116 N X 255 E	0-2'	14
TI-B12-SSS-1216-6776			2-4'	5
TI-B12-SSS-1216-6777			4-6'	10
TI-B12-SSS-1216-6778			6'-8'	4
TI-B12-SSS-1216-6779			8'-10'	5
TI-B12-SSS-1216-6780	B12-805	114 N X 278 E	0-2'	11
TI-B12-SSS-1216-6781			2-4'	72
TI-B12-SSS-1216-6782			4-6'	4
TI-B12-SSS-1216-6783			6'-8'	10
TI-B12-SSS-1216-6784			8'-10'	9
TI-B12-SSS-1216-6785	B12-806	117 N X 256 E	0-2'	6
TI-B12-SSS-1216-6786			2-4'	9
TI-B12-SSS-1216-6787			4-6'	8
TI-B12-SSS-1216-6788			6'-8'	11
TI-B12-SSS-1216-6789			8'-10'	6

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1216-6790	B12-807	112 N X 273 E	0-2'	62
TI-B12-SSS-1216-6791			2-4'	37
TI-B12-SSS-1216-6792			4-6'	14
TI-B12-SSS-1216-6793			6'-8'	14
TI-B12-SSS-1216-6794			8'-10'	13
TI-B12-SSS-1216-6795	B12-808	116 N X 290 E	0-2'	16
TI-B12-SSS-1216-6796			2-4'	7
TI-B12-SSS-1216-6797			4-6'	9
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1216-6798	B12-809	113 N X 283 E	0-2'	69
TI-B12-SSS-1216-6799			2-4'	26
TI-B12-SSS-1216-6800			4-6'	15
TI-B12-SSS-1216-6801			6'-8'	8
TI-B12-SSS-1216-6802			8'-10'	12
TI-B12-SSS-1216-6803	B12-810	128 N X 297 E	0-2'	9
TI-B12-SSS-1216-6804			2-4'	8
TI-B12-SSS-1216-6805			4-6'	7
TI-B12-SSS-1216-6806			6'-8'	9
TI-B12-SSS-1216-6807			8'-10'	6
TI-B12-SSS-1216-6808	B12-811	116 N X 260 E	0-2'	6
TI-B12-SSS-1216-6809			2-4'	9
TI-B12-SSS-1216-6810			4-6'	12
TI-B12-SSS-1216-6811			6'-8'	10
TI-B12-SSS-1216-6812			8'-10'	11
TI-B12-SSS-1217-6927	B12-812	116 N X 277 E	0-2'	17
TI-B12-SSS-1217-6928			2-4'	9
TI-B12-SSS-1217-6929			4-6'	7
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1217-6930	B12-813	123 N X 282 E	0-2'	11
TI-B12-SSS-1217-6931			2-4'	13
TI-B12-SSS-1217-6932			4-6'	11
TI-B12-SSS-1217-6933			6'-8'	21
TI-B12-SSS-1217-6934			8'-10'	10
TI-B12-SSS-1217-6935	B12-814	125 N X 290 E	0-2'	7
TI-B12-SSS-1217-6936			2-4'	15
TI-B12-SSS-1217-6937			4-6'	9
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1217-6938	B12-815	130 N X 286 E	0-2'	5
TI-B12-SSS-1217-6939			2-4'	7
TI-B12-SSS-1217-6940			4-6'	8
TI-B12-SSS-1217-6941			6'-8'	13
TI-B12-SSS-1217-6942			8'-10'	9
TI-B12-SSS-1217-6943	B12-816	125 N X 280 E	0-2'	16
TI-B12-SSS-1217-6944			2-4'	7
TI-B12-SSS-1217-6945			4-6'	10
TI-B12-SSS-1217-6946			6'-8'	7
			8'-10'	R
TI-B12-SSS-1217-6947	B12-817	117 N X 272 E	0-2'	27
TI-B12-SSS-1217-6948			2-4'	38
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1217-6949	B12-818	132 N X 282 E	0-2'	11
TI-B12-SSS-1217-6950			2-4'	12
TI-B12-SSS-1217-6951			4-6'	9
TI-B12-SSS-1217-6952			6'-8'	11
TI-B12-SSS-1217-6953			8'-10'	8
TI-B12-SSS-1217-6954	B12-819	117 N X 287 E	0-2'	44
TI-B12-SSS-1217-6955			2-4'	15
TI-B12-SSS-1217-6956			4-6'	13
TI-B12-SSS-1217-6957			6'-8'	9
TI-B12-SSS-1217-6958			8'-10'	6
TI-B12-SSS-1217-6959	B12-820	128 N X 292 E	0-2'	15
TI-B12-SSS-1217-6960			2-4'	9
TI-B12-SSS-1217-6961			4-6'	6
TI-B12-SSS-1217-6962			6'-8'	9
TI-B12-SSS-1217-6963			8'-10'	10
TI-B12-SSS-1217-6964	B12-821	123 N X 287 E	0-2'	9
TI-B12-SSS-1217-6965			2-4'	7
TI-B12-SSS-1217-6966			4-6'	5
TI-B12-SSS-1217-6967			6'-8'	11
TI-B12-SSS-1217-6968			8'-10'	10
TI-B12-SSS-1217-6969	B12-822	125 N X 297 E	0-2'	8
TI-B12-SSS-1217-6970			2-4'	9
TI-B12-SSS-1217-6971			4-6'	10
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1217-6972	B12-823	116 N X 282 E	0-2'	18
TI-B12-SSS-1217-6973			2-4'	45
TI-B12-SSS-1217-6974			4-6'	10
TI-B12-SSS-1217-6975			6'-8'	11
TI-B12-SSS-1217-6976			8'-10'	9
TI-B12-SSS-1217-6977	B12-824	118 N X 278 E	0-2'	10
TI-B12-SSS-1217-6978			2-4'	3
TI-B12-SSS-1217-6979			4-6'	16
TI-B12-SSS-1217-6980			6'-8'	9
TI-B12-SSS-1217-6981			8'-10'	10
TI-B12-SSS-1217-6982	B12-825	105 N X 290 E	0-2'	36
TI-B12-SSS-1217-6983			2-4'	10
TI-B12-SSS-1217-6984			4-6'	12
TI-B12-SSS-1217-6985			6'-8'	8
TI-B12-SSS-1217-6986			8'-10'	12
TI-B12-SSS-1217-6987	B12-826	118 N X 292 E	0-2'	7
TI-B12-SSS-1217-6988			2-4'	6
TI-B12-SSS-1217-6989			4-6'	7
TI-B12-SSS-1217-6990			6'-8'	16
			8'-10'	R
TI-B12-SSS-1220-6991	B12-827	90 N X 274 E	0-2'	8
TI-B12-SSS-1220-6992			2-4'	9
TI-B12-SSS-1220-6993			4-6'	9
TI-B12-SSS-1220-6994			6'-8'	4
TI-B12-SSS-1220-6995			8'-10'	7
TI-B12-SSS-1220-6996	B12-828	108 N X 296 E	0-2'	6
TI-B12-SSS-1220-6997			2-4'	37
TI-B12-SSS-1220-6998			4-6'	38
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1220-6999	B12-829	108 N X 297 E	0-2'	11
TI-B12-SSS-1220-7000			2-4'	9
TI-B12-SSS-1220-7001			4-6'	9
TI-B12-SSS-1220-7002			6'-8'	11
TI-B12-SSS-1220-7003			8'-10'	14
TI-B12-SSS-1220-7004	B12-830	93 N X 273 E	0-2'	7
TI-B12-SSS-1220-7005			2-4'	10
			4-6'	R
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1221-7006	B12-831	60 N X 190 E	0-2'	7
TI-B12-SSS-1221-7007			2-4'	9
TI-B12-SSS-1221-7008			4-6'	8
TI-B12-SSS-1221-7009			6'-8'	10
TI-B12-SSS-1221-7010			8'-10'	9
TI-B12-SSS-1221-7011	B12-832	51 N X 190 E	0-2'	11
TI-B12-SSS-1221-7012			2-4'	5
TI-B12-SSS-1221-7013			4-6'	10
TI-B12-SSS-1221-7014			6'-8'	18
TI-B12-SSS-1221-7015			8'-10'	8
TI-B12-SSS-1221-7016	B12-833	95 N X 260 E	0-2'	22
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1221-7017	B12-834	55 N X 184 E	0-2'	11
TI-B12-SSS-1221-7018			2-4'	9
TI-B12-SSS-1221-7019			4-6'	17
TI-B12-SSS-1221-7020			6'-8'	12
TI-B12-SSS-1221-7021			8'-10'	14
TI-B12-SSS-1221-7022	B12-835	51 N X 180 E	0-2'	8
TI-B12-SSS-1221-7023			2-4'	14
TI-B12-SSS-1221-7024			4-6'	10
TI-B12-SSS-1221-7025			6'-8'	9
TI-B12-SSS-1221-7026			8'-10'	11
TI-B12-SSS-1221-7027	B12-836	95 N X 270 E	0-2'	15
TI-B12-SSS-1221-7028			2-4'	10
TI-B12-SSS-1221-7029			4-6'	12
TI-B12-SSS-1221-7030			6'-8'	6
TI-B12-SSS-1221-7031			8'-10'	9
TI-B12-SSS-1221-7032	B12-837	95 N X 280 E	0-2'	13
TI-B12-SSS-1221-7033			2-4'	23
TI-B12-SSS-1221-7034			4-6'	R
TI-B12-SSS-1221-7035			6'-8'	9
TI-B12-SSS-1221-7036			8'-10'	6
TI-B12-SSS-1221-7037	B12-838	59 N X 180 E	0-2'	7
TI-B12-SSS-1221-7038			2-4'	13
TI-B12-SSS-1221-7039			4-6'	8
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1221-7040	B12-839	92 N X 267 E	0-2'	11
			2-4'	R
TI-B12-SSS-1221-7041			4-6'	10
TI-B12-SSS-1221-7042			6'-8'	5
TI-B12-SSS-1221-7043			8'-10'	6
TI-B12-SSS-1221-7044	B12-840	92 N X 262 E	0-2'	9
TI-B12-SSS-1221-7045			2-4'	7
TI-B12-SSS-1221-7046			4-6'	12
TI-B12-SSS-1221-7047			6'-8'	8
			8'-10'	R
TI-B12-SSS-1221-7048	B12-841	51 N X 170 E	0-2'	8
TI-B12-SSS-1221-7049			2-4'	8
TI-B12-SSS-1221-7050			4-6'	32
TI-B12-SSS-1221-7051			6'-8'	9
TI-B12-SSS-1221-7052			8'-10'	5
TI-B12-SSS-1221-7053	B12-842	60 N X 170 E	0-2'	11
TI-B12-SSS-1221-7054			2-4'	10
TI-B12-SSS-1221-7055			4-6'	10
TI-B12-SSS-1221-7056			6'-8'	13
TI-B12-SSS-1221-7057			8'-10'	7
TI-B12-SSS-1221-7058	B12-843	51 N X 150 E	0-2'	11
TI-B12-SSS-1221-7059			2-4'	9
TI-B12-SSS-1221-7060			4-6'	8
TI-B12-SSS-1221-7061			6'-8'	5
TI-B12-SSS-1221-7062			8'-10'	7
TI-B12-SSS-1221-7063	B12-844	90 N X 265 E	0-2'	7
TI-B12-SSS-1221-7064			2-4'	11
TI-B12-SSS-1221-7065			4-6'	8
TI-B12-SSS-1221-7066			6'-8'	8
TI-B12-SSS-1221-7067			8'-10'	7
TI-B12-SSS-1221-7068	B12-845	60 N X 150 E	0-2'	10
			2-4'	R
TI-B12-SSS-1221-7069			4-6'	5
TI-B12-SSS-1221-7070			6'-8'	12
TI-B12-SSS-1221-7071			8'-10'	8
TI-B12-SSS-1222-7072	B12-846	100 N X 275 E	0-2'	13
TI-B12-SSS-1222-7073			2-4'	12
TI-B12-SSS-1222-7074			4-6'	23
TI-B12-SSS-1222-7075			6'-8'	13
TI-B12-SSS-1222-7076			8'-10'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1222-7077	B12-847	50 N X 160 E	0-2'	14
TI-B12-SSS-1222-7078			2-4'	19
TI-B12-SSS-1222-7079			4-6'	8
TI-B12-SSS-1222-7080			6'-8'	R
TI-B12-SSS-1222-7081			8'-10'	4
TI-B12-SSS-1222-7082	B12-848	55 N X 156 E	0-2'	7
TI-B12-SSS-1222-7083			2-4'	8
TI-B12-SSS-1222-7084			4-6'	5
TI-B12-SSS-1222-7085			6'-8'	7
TI-B12-SSS-1222-7086			8'-10'	9
TI-B12-SSS-1222-7087	B12-849	100 N X 265 E	0-2'	39
TI-B12-SSS-1222-7088			2-4'	9
TI-B12-SSS-1222-7089			4-6'	7
TI-B12-SSS-1222-7090			6'-8'	8
TI-B12-SSS-1222-7091			8'-10'	9
TI-B12-SSS-1222-7092	B12-850	55 N X 167 E	0-2'	10
TI-B12-SSS-1222-7093			2-4'	7
TI-B12-SSS-1222-7094			4-6'	14
TI-B12-SSS-1222-7095			6'-8'	8
TI-B12-SSS-1222-7096			8'-10'	9
TI-B12-SSS-1222-7097	B12-851	60 N X 160 E	0-2'	11
TI-B12-SSS-1222-7098			2-4'	21
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1222-7099	B12-852	55 N X 176 E	0-2'	8
TI-B12-SSS-1222-7100			2-4'	12
TI-B12-SSS-1222-7101			4-6'	9
TI-B12-SSS-1222-7102			6'-8'	18
TI-B12-SSS-1222-7103			8'-10'	8
TI-B12-SSS-1222-7104	B12-853	55 N X 146 E	0-2'	12
TI-B12-SSS-1222-7105			2-4'	8
TI-B12-SSS-1222-7106			4-6'	9
TI-B12-SSS-1222-7107			6'-8'	18
TI-B12-SSS-1222-7108			8'-10'	7
TI-B12-SSS-1222-7109	B12-854	110 N X 233 E	0-2'	5
TI-B12-SSS-1222-7110			2-4'	9
TI-B12-SSS-1222-7111			4-6'	16
			6'-8'	R
TI-B12-SSS-1222-7112			8'-10'	11

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1222-7113	B12-855	60 N X 140 E	0-2'	18
TI-B12-SSS-1222-7114			2-4'	6
TI-B12-SSS-1222-7115			4-6'	11
TI-B12-SSS-1222-7116			6'-8'	9
TI-B12-SSS-1222-7117			8'-10'	10
TI-B12-SSS-1222-7118	B12-856	51 N X 140 E	0-2'	5
TI-B12-SSS-1222-7119			2-4'	11
TI-B12-SSS-1222-7120			4-6'	6
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1222-7121	B12-857	75 N X 130 E	0-2'	7
TI-B12-SSS-1222-7122			2-4'	11
TI-B12-SSS-1222-7123			4-6'	6
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1222-7124	B12-858	82 N X 193 E	0-2'	4
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1222-7125	B12-859	100 N X 159 E	0-2'	7
TI-B12-SSS-1222-7126			2-4'	9
TI-B12-SSS-1222-7127			4-6'	11
TI-B12-SSS-1222-7128			6'-8'	14
TI-B12-SSS-1222-7129			8'-10'	13
TI-B12-SSS-1222-7130	B12-860	82 N X 180 E	0-2'	9
TI-B12-SSS-1222-7131			2-4'	11
TI-B12-SSS-1222-7132			4-6'	10
			6'-8'	R
TI-B12-SSS-1222-7133			8'-10'	12
TI-B12-SSS-1223-7134	B12-861	95 N X 103 E	0-2'	11
TI-B12-SSS-1223-7135			2-4'	8
TI-B12-SSS-1223-7136			4-6'	10
TI-B12-SSS-1223-7137			6'-8'	6
			8'-10'	R
TI-B12-SSS-1223-7138	B12-862	105 N X 105 E	0-2'	14
TI-B12-SSS-1223-7139			2-4'	9
TI-B12-SSS-1223-7140			4-6'	15
TI-B12-SSS-1223-7141			6'-8'	11
TI-B12-SSS-1223-7142			8'-10'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1223-7143	B12-863	80 N X 185 E	0-2'	12
TI-B12-SSS-1223-7144			2-4'	5
TI-B12-SSS-1223-7145			4-6'	8
TI-B12-SSS-1223-7146			6'-8'	12
TI-B12-SSS-1223-7147			8'-10'	5
TI-B12-SSS-1223-7148	B12-864	80 N X 175 E	0-2'	9
TI-B12-SSS-1223-7149			2-4'	8
TI-B12-SSS-1223-7150			4-6'	112
TI-B12-SSS-1223-7151			6'-8'	25
TI-B12-SSS-1223-7152			8'-10'	5
TI-B12-SSS-1223-7153	B12-865	106 N X 98 E	0-2'	8
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1223-7154	B12-866	110 N X 110 E	0-2'	14
TI-B12-SSS-1223-7155			2-4'	12
TI-B12-SSS-1223-7156			4-6'	9
TI-B12-SSS-1223-7157			6'-8'	11
TI-B12-SSS-1223-7866			8'-10'	R
TI-B12-SSS-1223-7158	B12-867	100 N X 103 E	0-2'	7
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1227-7159	B12-868	97 N X 96 E	0-2'	14
TI-B12-SSS-1227-7160			2-4'	6
TI-B12-SSS-1227-7161			4-6'	14
TI-B12-SSS-1227-7162			6'-8'	7
TI-B12-SSS-1227-7163			8'-10'	9
TI-B12-SSS-1227-7164	B12-869	110 N X 98 E	0-2'	12
TI-B12-SSS-1227-7165			2-4'	10
TI-B12-SSS-1227-7166			4-6'	7
TI-B12-SSS-1227-7167			6'-8'	13
TI-B12-SSS-1227-7168			8'-10'	12
TI-B12-SSS-1227-7169	B12-870	105 N X 95 E	0-2'	8
			2-4'	R
TI-B12-SSS-1227-7170			4-6'	9
TI-B12-SSS-1227-7171			6'-8'	11
TI-B12-SSS-1227-7172			8'-10'	14

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1227-7173	B12-871	111 N X 91 E	0-2'	21
TI-B12-SSS-1227-7174			2-4'	8
TI-B12-SSS-1227-7175			4-6'	15
TI-B12-SSS-1227-7176			6'-8'	7
TI-B12-SSS-1227-7177			8'-10'	9
TI-B12-SSS-1227-7178	B12-872	95 N X 107 E	0-2'	15
TI-B12-SSS-1227-7179			2-4'	9
TI-B12-SSS-1227-7180			4-6'	7
TI-B12-SSS-1227-7181			6'-8'	10
TI-B12-SSS-1227-7182			8'-10'	7
TI-B12-SSS-1227-7183	B12-873	100 N X 98 E	0-2'	5
TI-B12-SSS-1227-7184			2-4'	12
TI-B12-SSS-1227-7185			4-6'	5
TI-B12-SSS-1227-7186			6'-8'	8
TI-B12-SSS-1227-7187			8'-10'	12
TI-B12-SSS-1227-7188	B12-874	94 N X 91 E	0-2'	8
TI-B12-SSS-1227-7189			2-4'	6
TI-B12-SSS-1227-7190			4-6'	11
TI-B12-SSS-1227-7191			6'-8'	9
TI-B12-SSS-1227-7192			8'-10'	12
TI-B12-SSS-1227-7193	B12-875	100 N X 91 E	0-2'	7
			2-4'	R
TI-B12-SSS-1227-7194			4-6'	9
TI-B12-SSS-1227-7195			6'-8'	8
TI-B12-SSS-1227-7196			8'-10'	13
TI-B12-SSS-1227-7197	B12-876	110 N X 140 E	0-2'	6
TI-B12-SSS-1227-7198			2-4'	11
TI-B12-SSS-1227-7199			4-6'	9
TI-B12-SSS-1227-7200			6'-8'	7
TI-B12-SSS-1227-7201			8'-10'	5
TI-B12-SSS-1227-7202	B12-877	110 N X 130 E	0-2'	58
TI-B12-SSS-1227-7203			2-4'	97
TI-B12-SSS-1227-7204			4-6'	8
TI-B12-SSS-1227-7205			6'-8'	9
TI-B12-SSS-1227-7206			8'-10'	10
TI-B12-SSS-1228-7207	B12-878	200 N X 220 E	0-2'	34
TI-B12-SSS-1228-7208			2-4'	12
TI-B12-SSS-1228-7209			4-6'	8
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1228-7210	B12-879	190 N X 245 E	0-2'	12
TI-B12-SSS-1228-7211			2-4'	8
TI-B12-SSS-1228-7212			4-6'	12
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1228-7213	B12-880	190 N X 265 E	0-2'	9
TI-B12-SSS-1228-7214			2-4'	5
TI-B12-SSS-1228-7215			4-6'	7
TI-B12-SSS-1228-7216			6'-8'	10
TI-B12-SSS-1228-7217			8'-10'	10
TI-B12-SSS-1228-7218	B12-881	190 N X 225 E	0-2'	21
TI-B12-SSS-1228-7219			2-4'	14
TI-B12-SSS-1228-7220			4-6'	13
TI-B12-SSS-1228-7221			6'-8'	7
TI-B12-SSS-1228-7222			8'-10'	10
TI-B12-SSS-1228-7223	B12-882	190 N X 255 E	0-2'	8
TI-B12-SSS-1228-7234			2-4'	9
TI-B12-SSS-1228-7235			4-6'	6
TI-B12-SSS-1228-7236			6'-8'	6
TI-B12-SSS-1228-7237			8'-10'	4
TI-B12-SSS-1228-7238	B12-883	200 N X 250 E	0-2'	9
TI-B12-SSS-1228-7239			2-4'	7
TI-B12-SSS-1228-7240			4-6'	15
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1230-7241	B12-884	190 N X 230 E	0-2'	5
TI-B12-SSS-1230-7242			2-4'	18
TI-B12-SSS-1230-7243			4-6'	10
TI-B12-SSS-1230-7244			6'-8'	8
TI-B12-SSS-1230-7245			8'-10'	5
TI-B12-SSS-1228-7246	B12-885	200 N X 230 E	0-2'	11
TI-B12-SSS-1228-7247			2-4'	6
TI-B12-SSS-1228-7248			4-6'	3
TI-B12-SSS-1228-7249			6'-8'	16
TI-B12-SSS-1228-7250			8'-10'	2
TI-B12-SSS-1228-7251	B12-886	200 N X 240 E	0-2'	12
TI-B12-SSS-1228-7252			2-4'	18
TI-B12-SSS-1228-7253			4-6'	13
TI-B12-SSS-1228-7254			6'-8'	6
TI-B12-SSS-1228-7255			8'-10'	9

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1230-7256	B12-887	200 N X 270 E	0-2'	6
TI-B12-SSS-1230-7257			2-4'	10
TI-B12-SSS-1230-7258			4-6'	9
TI-B12-SSS-1230-7259			6'-8'	7
TI-B12-SSS-1230-7260			8'-10'	11
TI-B12-SSS-1228-7261	B12-888	200 N X 260 E	0-2'	18
TI-B12-SSS-1228-7262			2-4'	15
TI-B12-SSS-1228-7263			4-6'	10
TI-B12-SSS-1228-7264			6'-8'	9
TI-B12-SSS-1228-7265			8'-10'	6
TI-B12-SSS-1229-7266	B12-889	150 N X 130 E	0-2'	21
			2-4'	R
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1229-7267	B12-890	145 N X 130 E	0-2'	26
TI-B12-SSS-1229-7268			2-4'	19
TI-B12-SSS-1229-7269			4-6'	17
TI-B12-SSS-1229-7270			6'-8'	25
TI-B12-SSS-1229-7271			8'-10'	11
TI-B12-SSS-1229-7272	B12-891	147 N X 120 E	0-2'	33
TI-B12-SSS-1229-7273			2-4'	9
TI-B12-SSS-1229-7274			4-6'	15
TI-B12-SSS-1229-7275			6'-8'	10
TI-B12-SSS-1229-7276			8'-10'	12
TI-B12-SSS-1229-7277	B12-892	145 N X 120 E	0-2'	7
TI-B12-SSS-1229-7278			2-4'	9
TI-B12-SSS-1229-7279			4-6'	12
TI-B12-SSS-1229-7280			6'-8'	14
TI-B12-SSS-1229-7281			8'-10'	10
TI-B12-SSS-1229-7282	B12-893	165 N X 175 E	0-2'	6
TI-B12-SSS-1229-7283			2-4'	8
TI-B12-SSS-1229-7284			4-6'	16
TI-B12-SSS-1229-7285			6'-8'	10
TI-B12-SSS-1229-7286			8'-10'	9
TI-B12-SSS-1229-7287	B12-894	167 N X 172 E	0-2'	13
			2-4'	R
			4-6'	R
TI-B12-SSS-1229-7288			6'-8'	7
TI-B12-SSS-1229-7289			8'-10'	10

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1229-7290	B12-895	165 N X 170 E	0-2'	13
TI-B12-SSS-1229-7291			2-4'	10
TI-B12-SSS-1229-7292			4-6'	6
TI-B12-SSS-1229-7293			6'-8'	21
TI-B12-SSS-1229-7294			8'-10'	11
TI-B12-SSS-1229-7296	B12-896	170 N X 170 E	0-2'	23
TI-B12-SSS-1229-7296			2-4'	5
TI-B12-SSS-1229-7297			4-6'	6
TI-B12-SSS-1229-7298			6'-8'	8
TI-B12-SSS-1229-7299			8'-10'	9
TI-B12-SSS-1229-7224	B12-897	160 N X 210 E	0-2'	7
TI-B12-SSS-1229-7225			2-4'	5
TI-B12-SSS-1229-7226			4-6'	12
TI-B12-SSS-1229-7227			6'-8'	12
TI-B12-SSS-1229-7228			8'-10'	8
TI-B12-SSS-1229-7229	B12-898	167 N X 207 E	0-2'	9
TI-B12-SSS-1229-7230			2-4'	13
TI-B12-SSS-1229-7231			4-6'	11
TI-B12-SSS-1229-7232			6'-8'	15
			8'-10'	R
TI-B12-SSS-1229-7233	B12-899	160 N X 203 E	0-2'	19
TI-B12-SSS-1229-7309			2-4'	7
TI-B12-SSS-1229-7310			4-6'	14
TI-B12-SSS-1229-7311			6'-8'	6
TI-B12-SSS-1229-7312			8'-10'	9
TI-B12-SSS-1229-7313	B12-900	165 N X 205 E	0-2'	7
TI-B12-SSS-1229-7314			2-4'	8
TI-B12-SSS-1229-7315			4-6'	12
TI-B12-SSS-1229-7316			6'-8'	8
TI-B12-SSS-1229-7317			8'-10'	11
TI-B12-SSS-1229-7300	B12-901	150 N X 120 E	0-2'	9
TI-B12-SSS-1229-7301			2-4'	22
TI-B12-SSS-1229-7302			4-6'	7
			6'-8'	R
			8'-10'	R
TI-B12-SSS-1230-7303	B12-902	173 N X 170 E	0-2'	10
TI-B12-SSS-1230-7304			2-4'	15
			4-6'	R
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1230-7305	B12-903	170 N X 175 E	0-2'	7
TI-B12-SSS-1230-7306			2-4'	9
TI-B12-SSS-1230-7307			4-6'	8
TI-B12-SSS-1230-7308			6'-8'	10
TI-B12-SSS-1230-7347			8'-10'	20
TI-B12-SSS-1230-7318	B12-904	175 N X 175 E	0-2'	8
TI-B12-SSS-1230-7319			2-4'	15
TI-B12-SSS-1230-7320			4-6'	7
TI-B12-SSS-1230-7321			6'-8'	R
			8'-10'	9
TI-B12-SSS-1230-7322	B12-905	180 N X 170 E	0-2'	27
TI-B12-SSS-1230-7323			2-4'	4
TI-B12-SSS-1230-7324			4-6'	10
TI-B12-SSS-1230-7325			6'-8'	12
TI-B12-SSS-1230-7326			8'-10'	4
TI-B12-SSS-1230-7327	B12-906	147 N X 135 E	0-2'	56
TI-B12-SSS-1230-7328			2-4'	43
TI-B12-SSS-1230-7329			4-6'	8
TI-B12-SSS-1230-7330			6'-8'	15
TI-B12-SSS-1230-7331			8'-10'	17
TI-B12-SSS-1230-7342	B12-907	150 N X 140 E	0-2'	28
			2-4'	R
TI-B12-SSS-1230-7344			4-6'	13
TI-B12-SSS-1230-7345			6'-8'	14
TI-B12-SSS-1230-7346			8'-10'	6
TI-B12-SSS-1230-7332	B12-908	147 N X 140 E	0-2'	22
TI-B12-SSS-1230-7333			2-4'	11
TI-B12-SSS-1230-7334			4-6'	28
TI-B12-SSS-1230-7335			6'-8'	11
TI-B12-SSS-1230-7336			8'-10'	12
TI-B12-SSS-1230-7337	B12-909	145 N X 140 E	0-2'	19
TI-B12-SSS-1230-7338			2-4'	22
TI-B12-SSS-1230-7339			4-6'	13
TI-B12-SSS-1230-7340			6'-8'	3
TI-B12-SSS-1230-7341			8'-10'	10
TI-B12-SSS-1230-7348	B12-910	180 N X 210 E	0-2'	14
TI-B12-SSS-1230-7349			2-4'	9
TI-B12-SSS-1230-7350			4-6'	7
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-1230-7351	B12-911	173 N X 150 E	0-2'	21
TI-B12-SSS-1230-7352			2-4'	6
TI-B12-SSS-1230-7353			4-6'	10
TI-B12-SSS-1230-7354			6'-8'	9
TI-B12-SSS-1230-7355			8'-10'	9
TI-B12-SSS-1230-7356	B12-912	176 N X 190 E	0-2'	13
TI-B12-SSS-1230-7357			2-4'	12
TI-B12-SSS-1230-7358			4-6'	8
			6'-8'	R
			8'-10'	R
TI-B12-SSS-0103-7359	B12-913	175 N X 165 E	0-2'	11
TI-B12-SSS-0103-7360			2-4'	9
TI-B12-SSS-0103-7361			4-6'	8
TI-B12-SSS-0103-7362			6'-8'	17
TI-B12-SSS-0103-7363			8'-10'	10
TI-B12-SSS-0103-7364	B12-914	180 N X 150 E	0-2'	27
TI-B12-SSS-0103-7365			2-4'	13
TI-B12-SSS-0103-7366			4-6'	18
TI-B12-SSS-0103-7367			6'-8'	13
TI-B12-SSS-0103-7368			8'-10'	2
TI-B12-SSS-0103-7369	B12-915	170 N X 230 E	0-2'	6
TI-B12-SSS-0103-7370			2-4'	6
TI-B12-SSS-0103-7371			4-6'	4
TI-B12-SSS-0103-7372			6'-8'	7
TI-B12-SSS-0103-7373			8'-10'	17
TI-B12-SSS-0103-7374	B12-916	175 N X 210 E	0-2'	5
TI-B12-SSS-0103-7375			2-4'	14
TI-B12-SSS-0103-7376			4-6'	2
TI-B12-SSS-0103-7377			6'-8'	9
TI-B12-SSS-0103-7378			8'-10'	9
TI-B12-SSS-0103-7379	B12-917	173 N X 160 E	0-2'	12
TI-B12-SSS-0103-7380			2-4'	12
TI-B12-SSS-0103-7381			4-6'	12
TI-B12-SSS-0103-7382			6'-8'	10
TI-B12-SSS-0103-7383			8'-10'	10
TI-B12-SSS-0103-7384	B12-918	185 N X 155 E	0-2'	13
TI-B12-SSS-0103-7385			2-4'	26
TI-B12-SSS-0103-7386			4-6'	22
TI-B12-SSS-0103-7387			6'-8'	30
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-0103-7388	B12-919	175 N X 155 E	0-2'	10
TI-B12-SSS-0103-7389			2-4'	90
			4-6'	R
			6'-8'	R
			8'-10'	R
TI-B12-SSS-0103-7390	B12-920	185 N X 165 E	0-2'	50
TI-B12-SSS-0103-7391			2-4'	28
TI-B12-SSS-0103-7392			4-6'	8
TI-B12-SSS-0103-7393			6'-8'	8
TI-B12-SSS-0103-7394			8'-10'	10
TI-B12-SSS-0103-7395	B12-921	172 N X 205 E	0-2'	8
TI-B12-SSS-0103-7396			2-4'	8
			4-6'	R
TI-B12-SSS-0103-7397			6'-8'	14
TI-B12-SSS-0103-7398			8'-10'	14
TI-B12-SSS-0104-7399	B12-922	180 N X 160 E	0-2'	21
TI-B12-SSS-0104-7400			2-4'	20
TI-B12-SSS-0104-7401			4-6'	16
TI-B12-SSS-0104-7402			6'-8'	16
			8'-10'	R
TI-B12-SSS-0104-7403	B12-923	178 N X 180 E	0-2'	9
TI-B12-SSS-0104-7404			2-4'	12
TI-B12-SSS-0104-7405			4-6'	5
TI-B12-SSS-0104-7406			6'-8'	14
TI-B12-SSS-0104-7407			8'-10'	8
TI-B12-SSS-0104-7408	B12-924	185 N X 175 E	0-2'	12
TI-B12-SSS-0104-7409			2-4'	9
TI-B12-SSS-0104-7410			4-6'	6
TI-B12-SSS-0104-7411			6'-8'	7
TI-B12-SSS-0104-7412			8'-10'	14
TI-B12-SSS-0104-7413	B12-925	185 N X 185 E	0-2'	6
TI-B12-SSS-0104-7414			2-4'	16
TI-B12-SSS-0104-7445			4-6'	7
			6'-8'	R
			8'-10'	R
TI-B12-SSS-0104-7415	B12-926	175 N X 230 E	0-2'	4
TI-B12-SSS-0104-7416			2-4'	10
			4-6'	R
			6'-8'	R
			8'-10'	R

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-0104-7417	B12-927	174 N X 195 E	0-2'	22
TI-B12-SSS-0104-7418			2-4'	14
TI-B12-SSS-0104-7419			4-6'	8
			6'-8'	R
			8'-10'	R
TI-B12-SSS-0104-7420	B12-928	190 N X 108 E	0-2'	8
TI-B12-SSS-0104-7421			2-4'	12
TI-B12-SSS-0104-7422			4-6'	12
TI-B12-SSS-0104-7423			6'-8'	10
TI-B12-SSS-0104-7424			8'-10'	8
TI-B12-SSS-0104-7425	B12-929	173 N X 177 E	0-2'	6
TI-B12-SSS-0104-7426			2-4'	8
TI-B12-SSS-0104-7867			4-6'	16
TI-B12-SSS-0104-7427			6'-8'	9
TI-B12-SSS-0104-7428			8'-10'	8
TI-B12-SSS-0104-7429	B12-930	146 N X 145 E	0-2'	10
TI-B12-SSS-0104-7430			2-4'	12
TI-B12-SSS-0104-7431			4-6'	14
TI-B12-SSS-0104-7432			6'-8'	12
TI-B12-SSS-0104-7433			8'-10'	12
TI-B12-SSS-0104-7434	B12-931	168 N X 145 E	0-2'	26
TI-B12-SSS-0104-7435			2-4'	12
TI-B12-SSS-0104-7436			4-6'	24
TI-B12-SSS-0104-7437			6'-8'	36
TI-B12-SSS-0104-7438			8'-10'	19
TI-B12-SSS-0104-7439	B12-932	163 N X 145 E	0-2'	22
TI-B12-SSS-0104-7440			2-4'	71
TI-B12-SSS-0104-7441			4-6'	38
			6'-8'	R
			8'-10'	R
TI-B12-SSS-0105-7442	B12-933	151 N X 145 E	0-2'	19
TI-B12-SSS-0105-7443			2-4'	15
TI-B12-SSS-0105-7444			4-6'	9
TI-B12-SSS-0105-7446			6'-8'	20
TI-B12-SSS-0105-7447			8'-10'	15
TI-B12-SSS-0105-7448	B12-934	155 N X 145 E	0-2'	20
TI-B12-SSS-0105-7449			2-4'	103
TI-B12-SSS-0105-7450			4-6'	40
TI-B12-SSS-0105-7451			6'-8'	14
TI-B12-SSS-0105-7452			8'-10'	7

**Building 12 Split Spoon Sampling
Alpha Screening Results**

Archive Number	Spoon #	Sample Location	Depth	cts/10min
TI-B12-SSS-0105-7453	B12-935	159 N X 145 E	0-2'	11
TI-B12-SSS-0105-7454			2-4'	88
TI-B12-SSS-0105-7455			4-6'	124
TI-B12-SSS-0105-7456			6'-8'	435
			8'-10'	R

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix F2

Unaffected Area Survey

Drawing CPS-TI-010xA Sub Surface Soil Sample Locations

APERTURE CARD/PAPER COPY AVAILABLE THROUGH NRC FILE CENTER

NUMBER OF OVERSIZE PAGES FILMED ON APERTURE CARD(S) _____

ACCESSION NUMBERS OF OVERSIZE PAGES:

No map
Enclosed

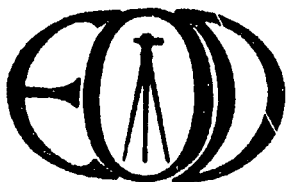
Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Appendix F3

Unaffected Area Survey

Massachusetts Grid System Reference Coordinates



E. OTIS DYER

368 FAIRVIEW AVENUE
BOX 5
REHOBOTH, MASS. 02769
Telephone: (508) 252-4363

*Registered Professional Engineer and Land Surveyor
in Massachusetts, Rhode Island and North Carolina*

TEXAS INSTRUMENTS, INC.
ATTLEBORO, MASSACHUSETTS
LOCATION OF REMOTE SAMPLES
ON MASS. GRID COORDINATES

<u>SAMPLE #</u>	<u>COORDINATES (N & E)</u>
1	345, 496.00, 664, 273.82
2	345, 611.32, 664, 532.50
3	345, 866.01, 664, 620.19
4	345, 815.88, 664, 394.05
5	346, 028.17, 664, 305.37
6	346, 293.03, 664, 610.33
7	346, 219.21, 664, 411.35
8	346, 427.78, 664, 287.47
9	346, 118.42, 663, 633.38
10	346, 168.45, 664, 228.48
11	346, 011.02, 662, 124.42
12	346, 125.02, 661, 875.10
13	346, 012.81, 661, 863.94
14	345, 906.86, 661, 752.99
15	345, 734.54, 661, 580.94
16	345, 760.77, 661, 309.52
17	345, 440.92, 661, 261.76
18	345, 553.85, 660, 991.39
19	345, 359.61, 660, 846.85
20	345, 041.64, 663, 474.12
21	345, 554.70, 663, 223.60
22	345, 440.57, 662, 583.70
23	345, 282.32, 661, 874.40
24	345, 384.58, 663, 296.32
25	345, 318.76, 662, 186.58
26	345, 389.76, 661, 840.20
27	345, 162.67, 661, 675.30
28	345, 019.49, 661, 748.54
29	345, 041.33, 661, 192.26
30	345, 077.73, 661, 032.23

1 1 8 9 4 5

Radiological Surveys of Open Land Areas

**Texas Instruments Incorporated
Attleboro, Massachusetts**

Attachment 1

GUILD DRILLING BORING REPORTS

**Building 12 and
Building 12 Airline Debris**

EAST PROVIDENCE, R. I.

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

DATE _____
HOLE NO. B-12-1
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/5/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/5/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	SUMMARY	
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>3</u>
UP-Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TP-Test Pit A-Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>2</u>
HT-Test Pit B-Auger	few 35 to 50%	30-50 Dense	8-15 Stiff	

100 WATER STREET

EAST PROVIDENCE, R. I.

TO Texas InstrumentsADDRESS Attleboro, Mass.PROJECT NAME Low Level Radiation InvestLOCATION Attleboro, Mass.REPORT SENT TO above / Bldg. #5

PROJ. NO

OUR JOB NO 95-41SAMPLES SENT TO Taken at Site

DATE

HOLE NO B-12-2

LINE & STA.

OFFSET

SURF. ELEV.

Date

Time

GROUND WATER OBSERVATIONS

CASING

SAMPLER

CORE BAR

At _____ after _____ Hours

Type

S/S

At _____ after _____ Hours

Size: D

3"

Hammer Wt

300#

BIT

Hammer Fall

30"

START

10/5/94

COMPLETE

10/5/94

TOTAL HRS.

BORING FOREMAN C. O'Donnell

INSPECTOR

SOILS ENGR.

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6'	6-12'	To 12-18'				No	Pen	Rec
		<u>0'-2'</u>	<u>D</u>	<u>Blows not Taken</u>				<u>1'</u>	<u>Black LOAM</u>	<u>1</u>	<u>24"</u>	<u>-</u>
									<u>Brown well graded fine to coarse SAND</u>	<u>1A</u>		<u>-</u>
		<u>2'-3.7'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>		<u>3.7'</u>		<u>2</u>	<u>20"</u>	<u>-</u>
										<u>2A</u>		<u>-</u>
									<u>Refusal - Bottom of Boring 3.7'</u>			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

D-Dry C-Cored W-Aushed

UP: Undisturbed Piston

TP: Test Pit A-Auger V-Vane Test

Proportions Used

trace 0 to 10%

little 10 to 20%

some 20 to 35%

140lb Wt x 30" fall on 2" Q.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Stiff

8-15 Stiff

SUMMARY

Earth Boring 3.7'

Rock Coring

Samples 2

DATE _____
HOLE NO. B-12-3
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

<u>Date</u>	<u>Time</u>	
<u>10/5/94</u>	<u> </u>	a.m. p.m.
<u>10/5/94</u>	<u> </u>	a.m. p.m.

5. REMAN J. Medeiros

GROUND WATER OBSERVATIONS

CASING	SAMPLER	CORE BAR
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

At _____ after _____ Hours

Type

S/S

CORE BAR

START 10/5/94 _____

COMPLETE 10/5/94

TOTAL MRS. _____

BORING FOREMAN J. Medeiros

INSPECTOR _____

SOILS ENGR. _____

At _____ after _____ Hours

Size D

3½"

817

Hammer Wi

300#

Hammer Fall

30''

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed piston

TP2 Test Pit A: Auger V. Vane Test

Proportions Used

Trace 0 to 10%

blue 10 to 20%

some 20 to 35%.

140lb WI x 30" tall on 2" O.D. Sampler

Cohesionless Density

U 10 Loose

10-30 Med Dense

Cohesive Consistency

(1-4 Soft)

4-8 M/Shift

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above Bldg. # 5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site Q3 JOBN O 95-41

HOLE NO. B-12-4
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/5/94	_____
		Size: D _____	3"	_____	COMPLETE 10/5/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN C. O'Donnell	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING: THEN

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med. Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO. 12-4

HOLE NO. B-12-5
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/5/94	_____
COMPLETE	10/5/94	_____
TOTAL HRS		_____
BORING FOREMAN	R. Allen	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT = Undisturbed Thinwall

Proportions Used

trace 0 to 10%

10 to 20%

some 2019 35%

and 35 to 50%

140lb Wt x 30" fall on 2 00 Sampler

Cohesionless Density

0 10 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

1) - 4 Soft

4 8 M/Suff

8-15 Still
15-30 V-Still

SUMMARY

Earth Boring 3

Rock Coring _____

Samples 2

HOLE NO 12-5

HOLE NO. B-12-b
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING" THEN _____			
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler				SUMMARY:	
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring	6'
UP: Undisturbed Piston	little 10 to 20%	0-10	Loose	0-4	Soft	Rock Coring	
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30	Med. Dense	4-8	M/Stiff	Samples	3
UT: Undisturbed Thinwall	and 35 to 50%	30-50	Dense	8-15	Stiff	HOLE NO. 12-6	
		50+	Very Dense	15-30	V-Stiff		

EAST PROVIDENCE, R I

DATE _____
HOLE NO. B-12-6
LOG DATA. (Flag)
OFFSET _____
SURF. ELEV. _____

TO Texas Instruments

PROJECT NAME Low Level Radiation Invest

ADDRESS Attleboro, Mass.

LOCATION Attleboro, Mass.

REPORT SENT TO above

Bldg. #5

PROJ. NO.

95-41

SAMPLES SENT TO _____ Taken at Site

OUR JOB NO.

[illegible]

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

"CASING THEN

Sample Type

Proportions Used

140lb Wt x 30" fall on 2' O D Sampler

SUMMARY

D: Dry C: Cored W: Washed

trace 0 to 10%

Cohesionless Density

Cohesive Consistency

Earth Boring 25'

UP: Undisturbed fission

little 10 to 20%

0-10 Loose

0-4 Soft 30 + Hard

Rock Coring

TP: Test Pit A: Auger V: Vane Test

some 20 to 35%

10-30 Med Dense

4-B M/Siff

Samples 5

HOLE NO. B-12-7
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/6/94	8:15
		Size: D _____	3 1/2"	_____	COMPLETE 10/6/94	9:15
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" OD Sampler		
Cohesionless Density	Cohesive Consistency	
0-10 Loose	0-4 Soft	30 + Hard
10-30 Med Dense	4-8 M/Stiff	
30-50 Dense	8-15 Stiff	
50+ Very Dense	15-30 V-Stiff	

SUMMARY
Earth Boring _____ 6'
Rock Coring _____
Samples _____ 3

HOLE NO 12-7

HOLE NO. 12 7

HOLE NO. B-12-8
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/6/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 10/6/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
At _____	after _____ Hours	Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

HOLE NO. B-12-8

HOLE NO. B-12-9
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/6/94	_____
			Size, D _____	3 1/2"	_____	COMPLETE 10/6/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

USED "CASING: THEN

HOLE NO. 12-9

HOLE NO. B-12-10
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____	"CASING: THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb W x 30" fall on 2" OD Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	
D = Dry C-Cored W = Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard	Rock Coring	6'
UP = Undisturbed Piston	little 10 to 20%	10-30 Med. Dense	4-8 M/Stiff		Samples	3
TP = Test Pit A = Auger V = Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff		HOLE NO. 12-10	
UT = Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff			

100 WATER STREET EAST PROVIDENCE, R I

TO Texas Instruments ADDRESS Attleboro, Mass.

PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.

REPORT SENT TO above Bldg. # 5 PROJ. NO. _____

SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

DATE _____

HOLE NO. B-12-11

~~EXTRA~~ (Flag) _____

OFFSET _____

SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type <u>Augers</u>	_____	_____	START <u>11/28/94</u>	_____
At _____	after _____	Hours	Size I D <u>4"</u>	_____	_____	COMPLETE <u>11/29/94</u>	_____
			Hammer Wt _____	_____	_____	TOTAL HRS. _____	_____
			Hammer Fall _____	_____	_____	BORING FOREMAN <u>P. Vieira</u>	_____
				_____	_____	INSPECTOR _____	_____
				_____	_____	SOILS ENGR. _____	_____

LOCATION OF BORING										SAMPLE		
DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hardness, Drilling time, seams and etc	No	Pen	Re
				From 0-6	To 6-12	To 12-18						
									(No Samples Taken - Hit refusal before 15')			
								9'	Refusal - Bottom of Boring 9' Refusal depths @ 8', 8.5' and 6'.			

GROUND SURFACE TO _____		USED _____	CASING _____	THEN _____	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler			Earth Boring <u>9'</u>
D = Dry C-Cored W = Washed	face 0 to 10%	Cohesionless Density	Cohesive Consistency		Rock Coring _____
UP = Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soil 30 + Hard		Samples <u>0</u>
TP = Test Pit A = Auger V = Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff		
		30-50 Dense	8-15 Stiff		

HOLE NO. B-12-13
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/6/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/6/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO	USED	"CASING THEN	
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D Sampler	<u>SUMMARY</u>
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6'</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff
		50 + Very Dense	15-30 V-Stiff
			HOLE NO 12-13
			Samples <u>3</u>

HOLE NO. B-12-14
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/6/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/6/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

SUMMARY:
Earth Boring _____ 4'
Rock Coring _____
Samples _____ 2

HOLE NO 12-14

HOLE NO. B-12-15
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	hours	Type _____	S/S	_____	START	10/6/94
			Size ID _____	3 1/2"	_____	COMPLETE	10/6/94
At _____	after _____	hours	Hammer Wt _____	300#	_____	TOTAL HRS.	_____
			Hammer Fall _____	30"	BIT	BORING FOREMAN	R. Allen
						INSPECTOR	_____
						SOILS ENGR.	_____

[illegible]

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 3'
Rock Coring
Samples 2

HOLE NO 12-15

MOLE NO. B-12-16
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USED _____	"CASING THEN _____				SUMMARY	
Sample Type	Proportions Used	140lb Wt. ± 30" fall on 2 O.D. Sampler						
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency				Earth Boring _____	
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard				Rock Coring _____	
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff				Samples _____	
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff					
		50+ Very Dense	15-30 Very Stiff				HOLE NO 12-16	

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/6/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/6/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

SUMMARY:
Earth Boring 6
Rock Coring _____
Samples 3

17-12 MO E

HOLE NO. B-12-19
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	S/S	_____	START 10/7/94	_____
		Size ID _____	_____	3 1/2"	_____	COMPLETE 10/7/94	_____
At _____	after _____ Hours	Hammer Wt _____	_____	300#	BIT	TOTAL HRS. _____	_____
		Hammer Fall _____	_____	30"	_____	BORING FOREMAN J. Medeiros	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO _____		USED _____		"CASING THEN _____		SUMMARY:	
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler					
		Cohesionless Density		Cohesive Consistency		Earth Boring	
D: Dry C: Cored W: Washed	trace 0 to 10%	0-10 Loose		0-4 Soft	30 + Hard	Rock Coring	6'
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense		4-8 M/Stiff		Samples	3
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	30-50 Dense		8-15 Stiff		HOLE NO 12-19	
UT: Undisturbed Thinwall	and 35 to 50%	50 + Very Dense		15-30 V-Stiff			

HOLE NO. B-12-20
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type	Proportions Used	140lb WT x 30" fall on 2" OD Sampler					<u>SUMMARY</u>
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density		Cohesive Consistency			Earth Boring <u>5</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose		0-4 Soft	30 + Hard		Rock Coring
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense		4-8 M/Stiff			Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense		8-15 Stiff			
		50 + Very Dense		15-30 V-Stiff			

HOLE NO 12-20

HOLE NO. B-12-21
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/7/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/7/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED _____ " CASING THEN

Samples 2

HOLE NO 12-21

HOLE NO. B-12-22
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/7/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 10/7/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
At _____	after _____ Hours	Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

Samples 3

HOLE NO 12-22

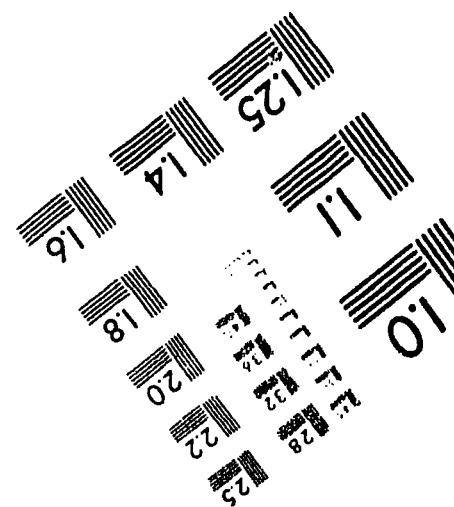
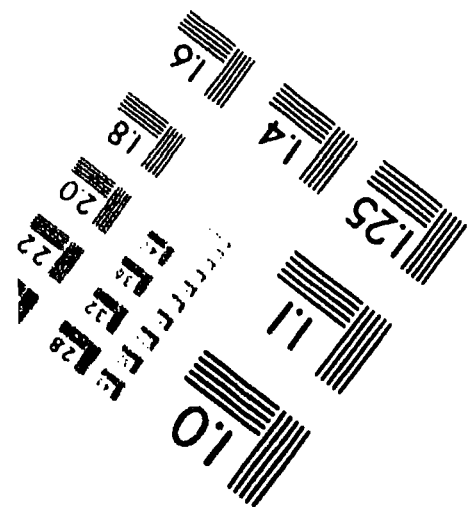
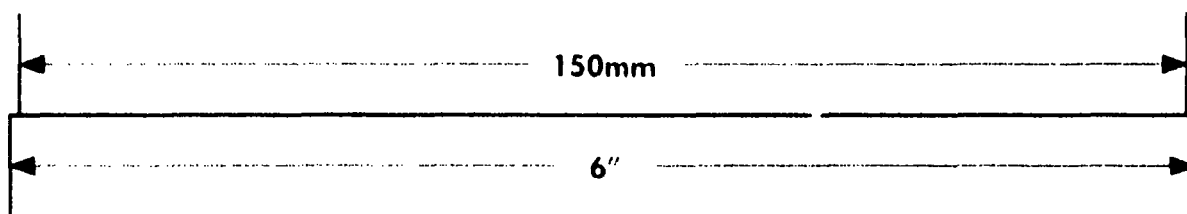
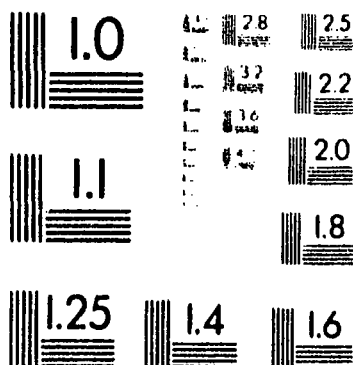
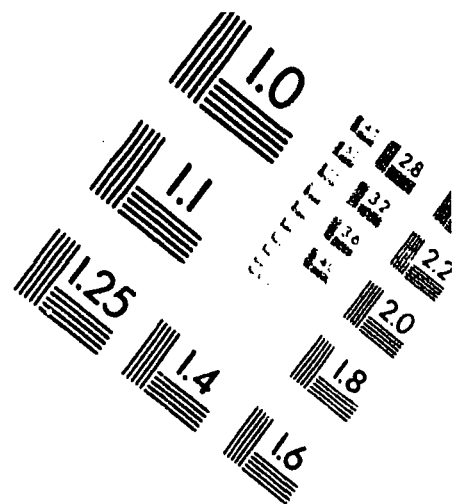
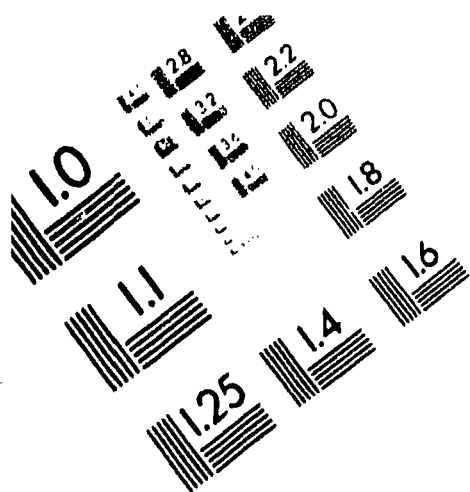
HOLE NO. B-12-23
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING" THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2' O.D. Sampler					
		Cohesionless Density		Cohesive Consistency		Earth Boring	3.8
D=Dry C=Cored W=Washed	trace 0 to 10%	0-10 Loose		0-4 Soft	30 + Hard	Rock Coring	
UP=Undisturbed Piston	little 10 to 20%	10-30 Med Dense		4-8 M/Stiff		Samples	2
TP=Test Pit A=Auger V=Vane Test	some 20 to 35%	30-50 Dense		8-15 Stiff		HOLE NO 12-23	
UT=Undisturbed Thinwall	and 35 to 50%	50 + Very Dense		15-30 V-Stiff			



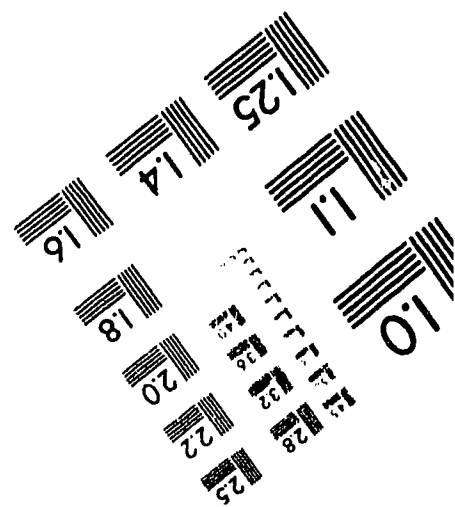
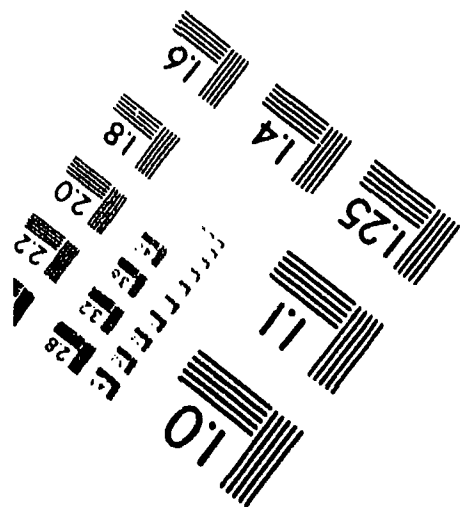
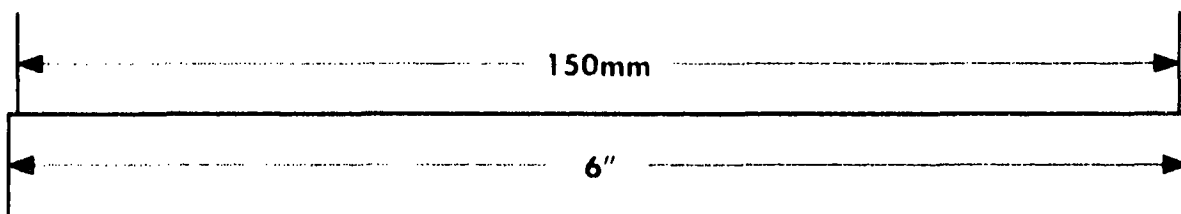
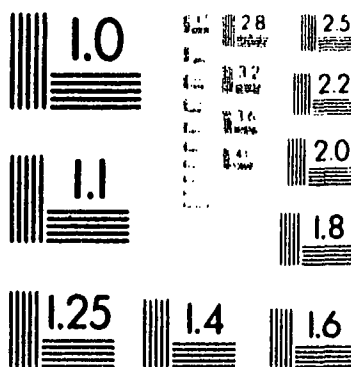
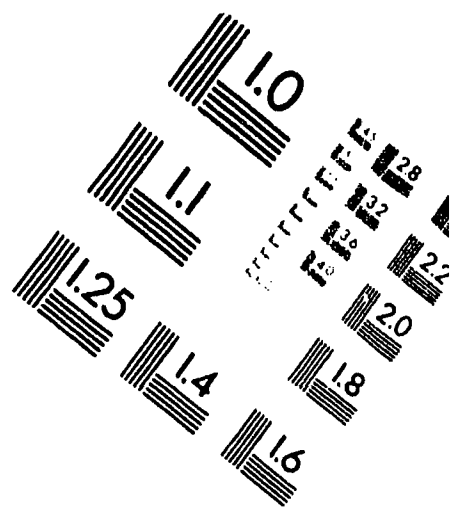
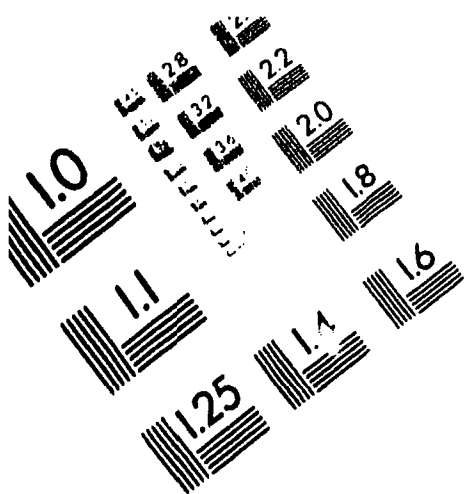
IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580



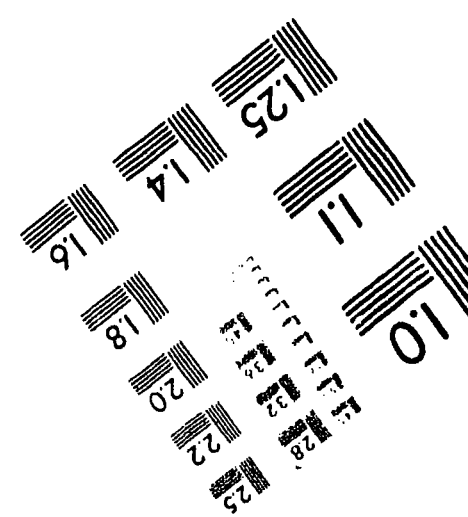
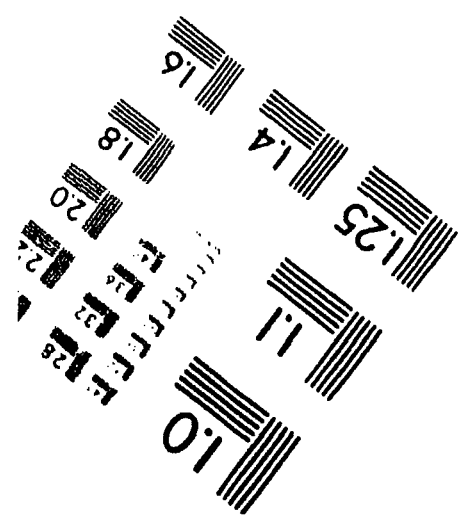
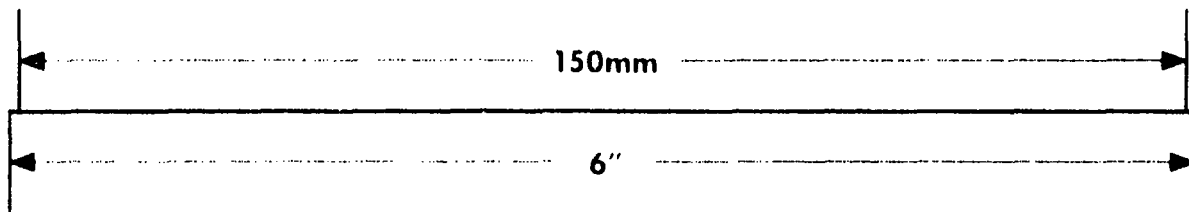
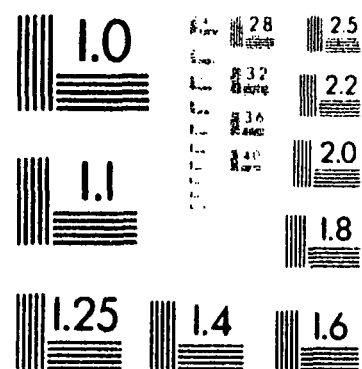
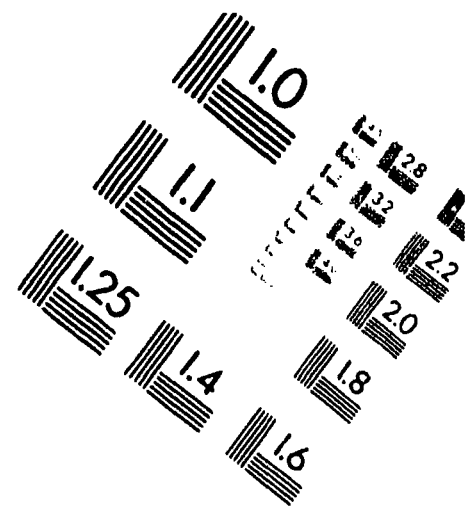
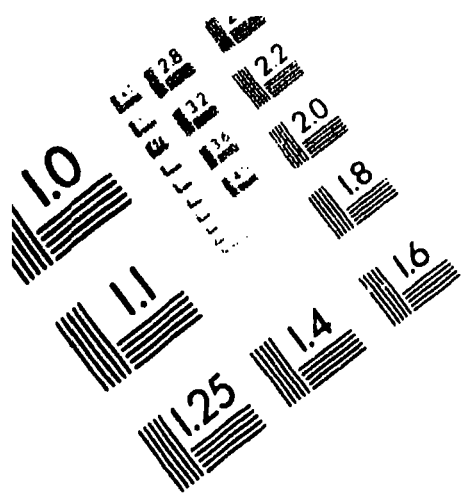
IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580



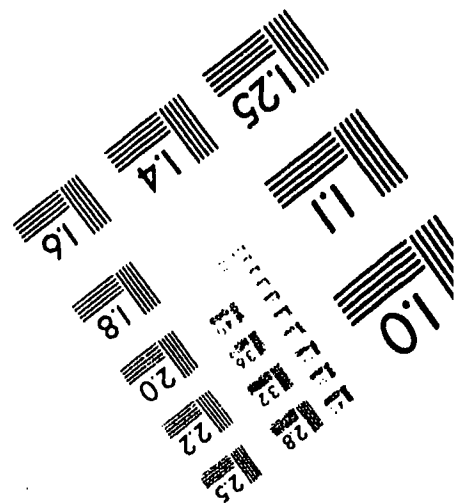
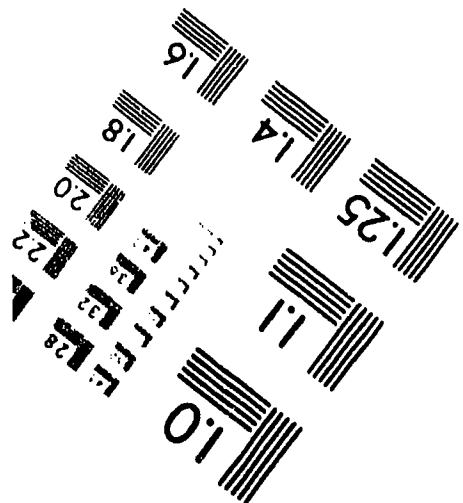
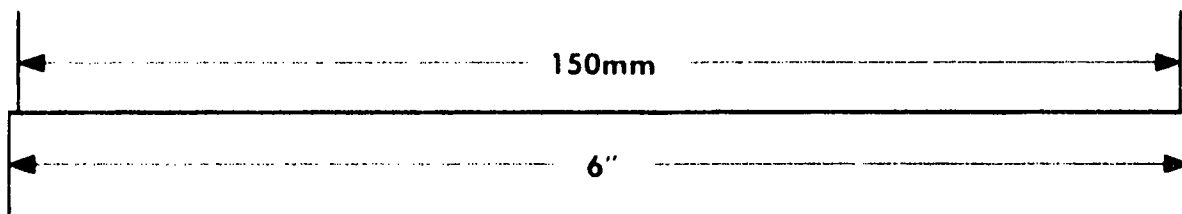
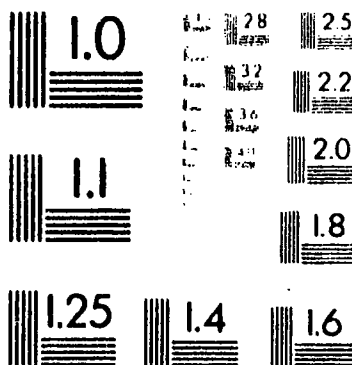
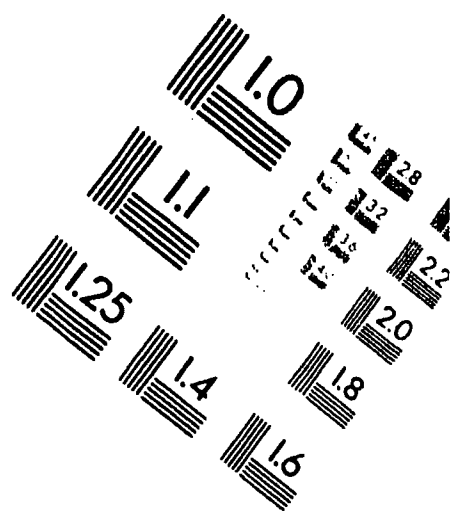
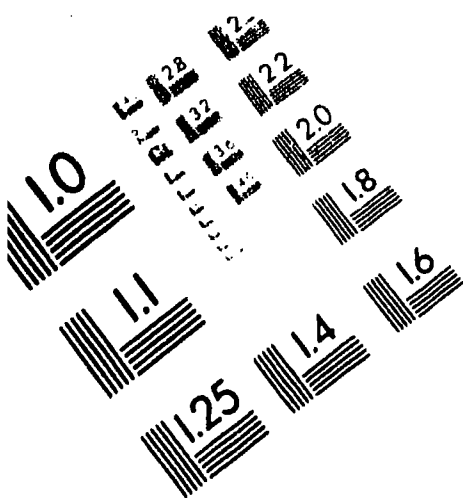
IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 845-3100



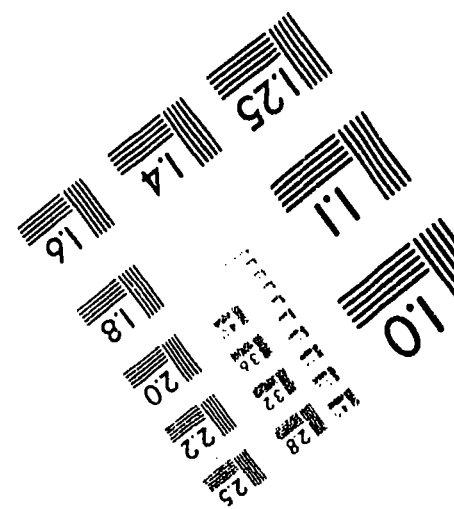
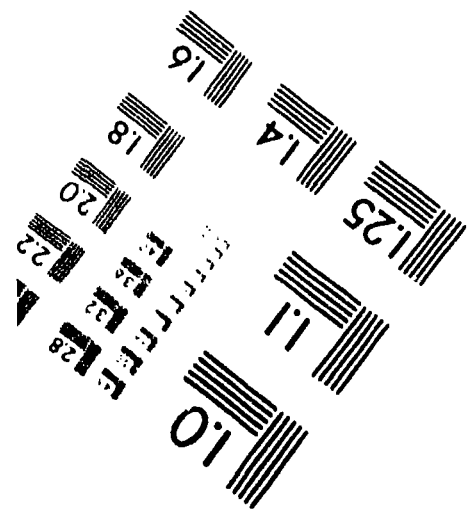
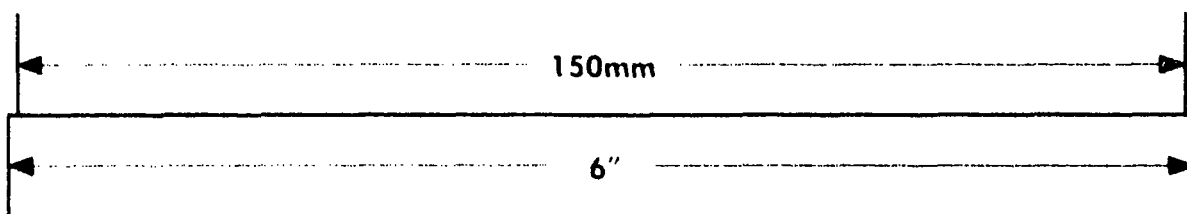
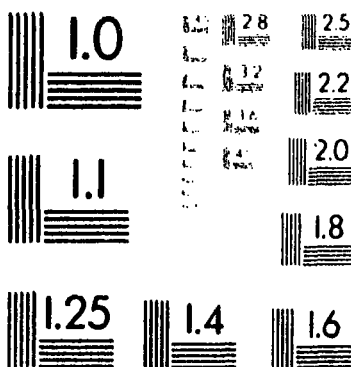
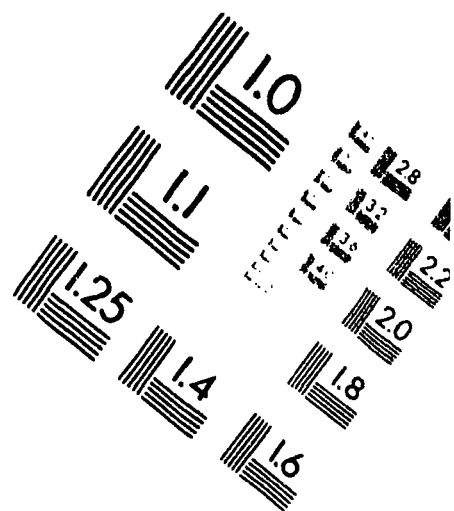
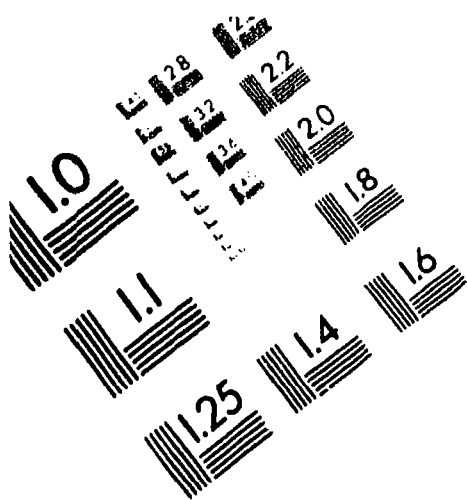
IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580



IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580

LINE B STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/7/94	_____
		Size _____	3 1/2"	_____	COMPLETE 10/7/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sample			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine to medium SAND & coarse Gravel, trace silt	1	24"	1
		2'-4'	D	"	"	"			Dry, Brown to Gray silty fine SAND, trace coarse gravel	2	24"	2
		4'-6'	D	"	"	"		6'	Dry, Brownish Gray silty fine SAND	3	24"	1
									Bottom of Boring 6'			

GROUND SURFACE TO _____		USED _____	CASING THEN _____		SUMMARY _____	
Sample Type	Proportions Used	40 lb Wt + 30 fall on 2 00 Sampler			Earth Boring <u>6</u>	
D Dry C-Cored W. Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency		Rock Coring _____	
UP Undisturbed Piston	fine 10 to 20%	0 0 Loose	0-4 Soft	30 + Hard	Samples <u>3</u>	
TP Test Pit A Auger McVine Test	some 20 to 35%	10 30 Med Dense	4-8 M/Stiff			
UT Undisturbed Thinwall	and 35 to 50%	30 50 Dense	8-15 Stiff			
		50 + Very Dense	15-30 V-Stiff			

TOWN PRESS - EAST PROV

HOLE NO 12-24

LINE B STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

Properties used	
trace	0 to 5%
low	5 to 20%
some	20 to 35%
and	35 to 50%

SUMMARY
Earth Boring 6
Rock Coring 3
Samples 3

TOWN PRESS EAST PROV

HOLE NO 12-25

PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.REPORT SENT TO above Bldg. # 5

PROJ NO

SAMPLES SENT TO Taken at SiteOUR JOB NO 95-41

OFFSET

SURF. ELEV.

GROUND WATER OBSERVATIONS

At _____ after _____ hours

Type

Size: D

Hammer Wt

Hammer Fall

CASING

SAMPLER

CORE BAR

S/S

3 1/2"

300#

30"

BIT

Date

Time

START

10/7/94

COMPLETE

10/7/94

TOTAL HRS.

BORING FOREMAN J. Medeiros

INSPECTOR

SOILS ENGR.

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				0-6	6-12	12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24'	1
		2'-4'	D	"	"	"			" "	2	24'	1
		4'-6'	D	"	"	"			" "	3	24'	2
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

D-Dry C-Cored W-Washers

UP Undisturbed Piston

TP Test Pit A Auger V-Vane Test

UT Undisturbed Thinwall

Proportions Used

trace 0 to 10%

fine 10 to 20%

some 20 to 35%

and 35 to 50%

140 lb Wt x 30 fall on 2 D-D Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

50+ Very Dense

Cohesive Consistency

0-4 Soft 30+ Hard

4-8 M/Stiff

8-15 Stiff

15-30 V-Stiff

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-26

TOWN PRESS - EAST PROV

30''

MOLE NO 12-27

TOWN PRESS . EAST PROV

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/7/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/7/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	
At _____	after _____ hours	Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED CASING THEN

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Still
15-30 V-Still

Samples 3

HOLE NO 12-28

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	_____	S/S	_____	START 10/7/94	_____
		Size: D _____	_____	3 1/2"	_____	COMPLETE 10/7/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	_____	30"	BIT	BORING FOREMAN R. Allen	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

USED "CASING THEN

Proportions Used

140lb WI x 30" tall on 2 00 Sampler

SUMMARY

Trace 0.1010%

Cohesionless Density

Cohesive Consistency

Earth Boring 6'

the 10 to 20%.

010 Loose

G-4 Soft 30 + Hard

Rock Coring

some 2010 35%

10:30 Med Dense

4-8 M/Siff

Samples 3

351050%

30-50 Dense
50+ Very Dense

8-15 Stiff
15-20 Very Stiff

HOLE NO 12-29

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/7/94	_____
COMPLETE	10/7/94	_____
TOTAL HRS.		
BORING FOREMAN	C. O'Donnell	
INSPECTOR	_____	
SOILS ENGR.	_____	

[illegible]

THEN

SUMMARY

SUMMARY
Earth Boring 3.7

Rock Coring

Samples 2

MOLE NO 12-30

HOLE NO 12-30

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/7/94	
COMPLETE	10/7/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

Proportions Used

140lb WI - 30" fall on 2 OD Sampler

D: Dry C: Cores W: Wet

100% (104)%

Cohesionless Density

Cohesive Consistency

UP Undistorted Position

title 01020%

0 10 Loose

0-4 Soft 30 + Hard

IF: Test Pit A: Auger V: Vane Test

60:30 20 to 35%

10-30 Med Dense

4-8 M/Sitt

UT: Undisturbed Thinwall

0001 351050%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-31

TOWN PRESS . EAST BROW

TO TEXAS INSTRUMENTS ADDRESS Attleboro, Mass. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/7/94	_____
		Size D _____	3" _____	_____	COMPLETE 10/7/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN C. O'Donnell	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type

0-Dry C-Cores W: Asphd

UP - Undisturbed Pison

TP: Test Pin A: Auger V: Vane Test

UT = Undisturbed Thinwall

Proportions Used

more 0.010%

size 10)1030%.

none	101020%
some	201035%

and 35 to 50%

140lb Wt x 30" fall on 2 00 Sampler

Cohesionless Density

010 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4.8 M/Stiff

8-15 Stiff
16-20 Very Stiff

SUMMARY:

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-32

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30' fall on 2" O.D. Sampler				Earth Boring	
D: Dry, C: Cores, W: Washed		Trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency		6
UP: Undisturbed Piston		little	10 to 20%	0-10	Loose	0-4	Soft	30' + Hard	Rock Coring
TP: Test Pit, A: Auger, V: Vane Test		some	20 to 35%	10-30	Med Dense	4-8	M/Stiff		Samples
UT: Undisturbed Thinwall		and	35 to 50%	30-50	Dense	8-15	Stiff		3
				50+	Very Dense	15-30	V-Stiff		

HOLE NO 12-35

TOWN PRESS .. EAST PROV

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	_____	S/S	_____	START 10/7/94	_____
_____	_____	Size D _____	_____	3"	_____	COMPLETE 10/7/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300#	_____	TOTAL HRS. _____	_____
_____	_____	Hammer Fall _____	_____	30"	_____	BORING FOREMAN C. O'Donnell	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO	USED	CASING	THEN
Sample Type	Proportions Used	140lb W x 30" Fall on 2 O.D. Sampler	SUMMARY
D-Dry C Cores With Washed	Trace 0 to 10%	Cohesionless Density	Cohesive Consistency
OR Undisturbed Fusion	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard
TPT Test Pit A Auger V-Vane Test	sand 20 to 35%	10-30 Med Dense	4-8 M/Stiff
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff
		50+ Very Dense	15-30 V-Stiff

Earth Boring 6'
 Rock Coring _____
 Samples 3

HOLE NO 12-36

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140 lb WT x 30" fall on 2" O.D. Sampler					
				Cohesionless Density		Cohesive Consistency		Earth Boring	
D: Dry	C: Cored	A: Augered	trace	0 to 10%	0-10	Loose	0-4	Soft	30' + Hard
UP: Undisturbed	Piston		little	10 to 20%	10-30	Med Dense	4-8	M/Stiff	
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	30-50	Dense	8-15	Stiff	
UT: Undisturbed	Thinwall		and	35 to 50%	50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-3

TOWN PRESS - EAST PROV

HOLE NO 12-38

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		CASING _____		THEN _____		SUMMARY:	
Sample Type	Proportions Used	140lb WT x 30" fall on 2 O.D. Sampler	Cohesionless Density	Cohesive Consistency					
D: Dry C: Colored W: Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard				Earth Boring	6
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff					Rock Coring	
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff					Samples	3
UT: Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff					HOLE NO 12-39	

TOWN PRESS - EAST PROY

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	<u>10/7/94</u>	<u> </u>
COMPLETE	<u>10/7/94</u>	<u> </u>
TOTAL MRS.		
BORING FOREMAN	<u>R. Allen</u>	
INSPECTOR		
SOILS ENGR.		

[illegible]

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	SUMMARY
D-Dry C-Cored A-Washed	trace 0 to 0%	Cohesionless Density	Earth Boring <u>5</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring _____
TP: Test Pit A-Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-40

TOWN PRESS - EAST PROV

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

USED _____ CASING THEN

Proportions Used

base 0.10108%

Male	0.1010%
Female	10.1020%

none	10.20%
some	20.1035%

some 2010 33-7%

Cohesionless Density

O-4 Soft

4-8 M/Siff

8-15 Shift
15-30 V-Shift

SUMMARY
Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-41

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORINGGROUND SURFACE TO

UT: Undisturbed thinwall

and 35 to 50%

50-50 Dense
50+ Very Dense

8-15 Stiff
15-30 V-Stiff

Samples 3

HOLE NO 12-42

HOLE NO. D-26-77
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THE N

Proportions Used

140lb WI x 30' tall on 2 00 Sooties

Proportions Used

Cohesionless Density

Cohesive Consistency

more 1010%

010 Loose

0.4 Soft 30 + Hard

time 10 to 20%

10:30 Med Dense

4 8 M/S/11

some 20 to 35%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

SUMMARY

Earth Boring 6

Rock Coring

Samples _____

HOLE NO 12-44

HOLE NO.
 LINE & STA.
 OFFSET
 SURF. ELEV.

LOCATION OF BORING _____

GROUND SURFACE TO	USED	CASING	THEN
Sample Type	Proportions Used	140lb WT x 30" fall on 2 O.D Sampler	SUMMARY
D-Dry D-Cored W-Washed	trace 0to10%	Cohesionless Density	Cohesive Consistency
UD-Undisturbed Piston	little 10to20%	0-10 Loose	0-4 Soft 30 + Hard
TP-Test Pit A-Auger V-Vane Test	some 20to35%	10-30 Med Dense	4-8 M/Stiff
UT-Undisturbed Thinwall	and 35to50%	30-50 Dense	8-15 Stiff
		50+ Very Dense	15-30 V-Stiff
			HOLE NO 12-45

	<u>Date</u>	<u>Time</u>
START	10/7/94	
COMPLETE	10/7/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

START 10/7/94 _____
COMPLETE 10/7/94 _____
TOTAL HRS. _____
BORING FOREMAN R. Allen _____
INSPECTOR _____
SOILS ENGR. _____

30"

TOWN PRESS - FALL BROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORINGGROUND SURFACE TO

USED "CASING THEN

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Still
15-30 V-Still

Samples 3

HOLE NO 12-47

SURF. ELEV.

SOILS ENGR

LOCATION OF BORING

THEN

SUMMARY

SUMMARY 6'

Earth During Rock Coring

Samples 3

8-15 Staff

HOLE NO 12-48

HOLE NO. D-12-47
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY _____	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2" O.D. Sampler			
D-Dry	C-Cored	W-Washed	trace	0 to 10%	Cohesionless	Density	Cohesive Consistency
UP-Undisturbed	Piston		little	10 to 20%	0-10	Loose	0-4 Soft 30 + Hard
TP-Test Pit	A-Auger	V-Vane Test	some	20 to 35%	10-30	Med Dense	4-8 M/Stiff
UT-Undisturbed	Thinwall		and	35 to 50%	30-50	Dense	8-15 Stiff
					50 +	Very Dense	15-30 V-Stiff
						<div style="border: 1px solid black; padding: 5px; display: inline-block;"> HOLE NO 12-49 </div>	

TOWN PRESS - EAST BROW

HOLE NO. B-44-20
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/9/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/9/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	9IT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb W x 30" fall on 2" O.D. Sampler		
Cohesionless	Density	Cohesive Consistency
0-10	Loose	0-4 Soft 30 + Hard
10-30	Med. Dense	4-8 M/Stiff
30-50	Dense	8-15 Stiff
50 +	Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6
Rock Coring 1
Samples 3

HOLE NO 12-50

HOLE NO. B-12-51
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/9/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/9/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	BIT	BORING FOREMAN R. Allen	
						INSPECTOR _____	
						SOILS ENGR. _____	

DEPTH	Casing Blows per 160'	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown silty fine SAND, trace coarse gravel	1	24'	22
		2'-4'	D	"	"	"			Moist, Dark Gray silty fine SAND	2	24'	22
		4'-6'	D	"	"	"		6'	Moist, Gray silty fine SAND trace coarse gravel	3	24'	12
									Bottom of Boring 6'			

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler				SUMMARY	
Dry C-Cored W/ Washed	trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>6'</u>	
UP: Undisturbed Piston	little 0 to 20%	0-10 Loose		0-4 Soft 30 + Hard		Rock Coring _____	
Test Pit A Auger V-Vane Test	some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples <u>3</u>	
UT: Undisturbed Throwall	and 35 to 50%	30-50 Dense		8-15 Stiff		HOLE NO 12-51	
		50 + Very Dense		15-30 V-Stiff			

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED _____ "CASING THEN

Procedures Used

140lb WT x 30" fall on 2' O.G. Sampler

Trace 0.010%

Conesionless Density

Cohesive Consistency

price	0.101078
title	10.1920%

0 10 Loose

Q-4 Soft 30 + Hard

some 20 to 35%

10-30 Med Dense
10-50 Dense

4-8 M/Siff

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 5-11
15-30 V-Staff

SUMMARY

Earth Boring 5.5'

Rock Coring

Samples

HOLE NO 12-52

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

SUMMARY
Earth Boring _____ 2'
Rock Coring _____
Samples _____

TOWN PRESS - EAST PROV

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

(USE) RASING THEM

UT = Undisturbed Thawwall

35 to 50%

50+ Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

Samples 3

HOLE NO 12-54

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY	
Sample Type		Proportions Used		140lb WT + 30" fall on 2" O.D. Sampler			
DD: Dry C-Cored W/ Washed	trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring _____ 6'
UP: Undisturbed Fusion	fine	10 to 20%	0-10	Loose	0-4	Soft	Rock Coring _____
TP: Test Pit A-Auger V-Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	Samples _____ 3
UT: Undisturbed Thinwall	and	35 to 50%	30-50	Dense	8-15	Stiff	
			50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-55

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2 0.0 Sampler		Cohesionless Density		Cohesive Consistency	
D: Dry	C: Cored	A: Washed	trace	0 to 10%					
UP: Undisturbed	Piston		little	10 to 20%	0-10	Loose	0-4	Soft	30+ Hard
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	
UT: Undisturbed	Thiwall		and	35 to 50%	30-50	Dense	8-15	Stiff	
					50+	Very Dense	15-30	V-Stiff	

Earth Boring 6'
 Rock Coring _____
 Samples 3
HOLE NO 12-56

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED CASING THEN

SUMMARY
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO 12-57

TO LEADS IMPLEMENTER ADDRESS ATTLEBORO, MASS. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/10/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 10/10/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30"	BIT	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine to medium SAND & coarse Gravel, trace silt	1	24	2
		2'-4'	D	"	"	"			Dry, Rusty Brown fine to medium SAND, trace coarse gravel, trace silt	2	24	1
		4'-6'	D	"	"	"		6'	Dry, Brown & Gray silty fine SAND	3	24	1
									Bottom of Boring 6'			

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

Sample Type	Proportions Used	140lb Wt + 30" fall on 2 O.D. Sampler	SUMMARY
D=Dry C=Cored W=Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP=Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring _____
TP=Test Pit A=Auger V=Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT=Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		Cohesive Consistency	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-57

TOWN PRESS - EAST PROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	S/S _____	_____	START 10/10/94	_____
_____	_____	Size i D _____	_____	3 1/2" _____	_____	COMPLETE 10/10/94	_____
At _____	after _____ Hours	Hammer Wt _____	_____	300# _____	BIT _____	TOTAL HRS. _____	_____
_____	_____	Hammer Fall _____	_____	30" _____	_____	BORING FOREMAN J. Medeiros	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

USED _____ CASING THEN

140lb Wt. x 30" fall on 2 OD Sampler

Cohesive Consistency

0-4 Soft 30 + Hard

4.8 M/Sift

8-15 Stiff
15-20 V-SM

Earth Boring 6

Rock Coring

Samples 3

HOLE NO 12-58

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2" O.D. Sampler					
D-Dry	C-Cored	W-Washed	trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring
UP	Undisturbed	Piston	little	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard
TP	Test Pit	A-Auger	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	Rock Coring
UT	Undisturbed	Thinwall	and	35 to 50%	30-50	Dense	8-15	Stiff	Samples
					50 +	Very Dense	15-30	V-Stiff	

LOW PRESS - EAST ROCK

HOLE NO 12-59

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING" THEN _____			
Sample Type		Proportions Used		140lb Wt x 30' fall on 2" OD Sampler		SUMMARY	
				Cohesionless	Density	Cohesive	Consistency
D-Dry	C-Cored	W-Washed	trace	0 to 10%	0-10	Loose	0-4 Soft 30+ Hard
UP	Undisturbed	Piston	little	10 to 20%	10-30	Med Dense	4-8 M/Stiff
TP	Test Pit	A-Auger	some	20 to 35%	30-50	Dense	8-15 Stiff
UT	Undisturbed	Thinwall	and	35 to 50%	50+	Very Dense	15-30 V-Stiff

Earth Boring 6'

Rock Coring 3

Samples 3

HOLE NO 12-60

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/10/94	
COMPLETE	10/10/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING THEN

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler		SUMMARY:	
		Cohesionless Density	Cohesive Consistency		
D: Dry C-Cored Wet-Washed	trace 0 to 10%	0-10 Loose	0-4 Soft 30 + Hard	Earth Boring	3'
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff	Rock Coring	
TP: Test Pit A Auger V-Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff	Samples	2
UT: Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff	HOLE NO 12-6	

TOWN PRESS EAST PROV

HOLE NO 12-6

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED _____ CASING THEN

UT: Undisturbed Thinwall

and 35 to 50%

50 + Very Dense

15-30 V-Still

Samples 3

TOWN PRIS - EAST PROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

UT: Undisturbed Thinwall

USE 0

and 35 to 50%

CASING THEN

30-50 Dense
50+ Very Dense

0.15 Stiff

Samples 3

HOLE NO 12-63

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

SUMMARY:
Earth Boring 6
Rock Coring
Samples 3

HOLE NO 12-64

TO LEAD INSTRUMENTS ADDRESS ATTLEBORO, MASS. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____		S/S		START 10/10/94	
		Size I D _____		3 1/2"		COMPLETE 10/10/94	
		Hammer Wt _____		300#	BIT	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____		30"		BORING FOREMAN R. Allen	
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING

THEN

Sample Type
D: Dry C: Cored W: Washed
U: Undisturbed E: Ejecton
T: Test Pit A: Auger J: Jone Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Shift
30-50 Dense	9-15 Shift
50+ Very Dense	15-30 V-Shift

SUMMARY	
Earth Boring	6'
Rock Coring	
Samples	3

HOLE NO 12-65

TOWN PRESS ... EAST PROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/10/94	_____
COMPLETE	10/10/94	_____
TOTAL HRS.		_____
BORING FOREMAN	J. Medeiros	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

GROUND SURFACE TO

USED

'CASING THEN

Sample Type

D: Dry C: Cored W: Washed

U^b Undisturbed Erosion

THE Test Pit At Auger & Vane Test

UT: Undisturbed Thinwall

Proportions Used

Prose 010102%

10 to 20%

some 20 to 35%

and 35 to 50%

140lb WI - 30' fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft 30 + Hard

4.8 M/Stiff

8-15 Stiff
15-30 y. S.M.

SUMMARY

Earth Boring _____

Rock Coring _____

Samples 3

HOLE NO 12-66

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

[illegible]

Sample Type	Proportions Used	140lb Wt + 30" fall on 2" O.D. Sampler	SUMMARY
Dry Dry, C-Cored, W-Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6'</u>
UP Undisturbed Union	fine 10 to 20%	0-10 Loose	Rock Coring
Tn Test Pn A Auger V Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT Undisturbed Thinwall	und 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 v-Stiff	

HOLE NO 12-6:

HOLE NO. D-44-00
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/10/94	
COMPLETE	10/10/94	
TOTAL MRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

[illegible]

USED

CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

40lb Wt. x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 3
Rock Coring 1
Samples 2

HOLE NO 12-6

HOLE NO. 2-22-07
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/10/94	_____
At _____	after _____ Hours	Size ID _____	3" _____	_____	COMPLETE 10/10/94	_____
		Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN C. O'Donnell	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

Proportions Used

140lb Wt x 30" fall on 2' O.D. Sampler

SUMMARY

D: Dry C: Cored W: Washed

Loss: 0.100%

Cohesionless Density

Cohesive Consistency

SUMMARY
Earth Boring 6'

UP Undisturbed piston

1118 11520%

0-0 Loose

0.4 Soft 30 + Hard

Rock Coring

TP: Test: P: A: Auger V: Vane Test

same	2010 35%
------	----------

10-30 Med Dense

4-8 M/Suff

Samples 3

UT : Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Stiff
15-30 V-Sm

HOLE NO 12-69

TOWN PRESS - EAST BROW

HOLE NO. 0-22-70
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

TOWN PRESS - EAST PROV

HOLE NO. 22-12
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/10/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/10/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USFA

CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6
Rock Coring _____
Samples 3

HOLE NO 12-71

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/10/94	
COMPLETE	10/10/94	
TOTAL HRS.		
BORING FOREMAN	C. O'Donnel	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND - PLACE TO

USED _____ CASING THEN _____

Sample Type

Proportions Used

140lb Wt x 30" fall on 2" O.D. Sampler

0-Dry 2-Cured w/Agar

Trace 01010%

Cohesionless Density

Cohesive Consistency

39 - disturbed foster

10/10/2009

00 Loose

0-4 Soft 30 + Hard

10- Test Pt. A-Auger & Vane Test

2019 35%

10 30 Med Dense

4.8 M/Suff

UT Undisturbed Inflow

and 35.1850%

30 50 Dense
50+ Very Dense

8-15 Shift
15-20 Shift

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-72

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/10/94	
COMPLETE	10/10/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USE D

"CASING THEN

Sample Type

Proportions Used

140lb Wt = 30" fall on 2 00 Sampler

D-Dry C-Cored W-Wooded

1999 010103%

Cone: onless Density

Cohesive Consistency

3D Undisturbed Friction

Time 101620%

c) 10 Loose

()-4 Soft 30 + Hard

TF: Test Pt. A: Auger V: Vane Test

some 2019 35%.

10-30 Med Dense
10-50 Dense

4-8 M/S:ff

UT Undisturbed Thawwall

and 35 to 50%

50-50 Dense
50+ Very Dense

8-15 Still
15-30 V-Still

SUMMARY.

Earth Boring 61

Rock Coring _____

Samples 3

HOLE NO 12-73

FILE NO. 0-44-17
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/10/94	_____
COMPLETE	10/10/94	_____
TOTAL HRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

GROUND SURFACE TO

USED: _____ COPIES: _____ THEN: _____

Sample type

D Dry, C-Cored A. Merged

UP: undisturbed system

TP: Test Pt A-Auger V-Vane Test

UT - Undisturbed Thnwall

Proportions Used

Trace 0.1010%

10 to 20%

some 2010 35%

and 35 to 50%

1401b WI = 30' fall on 2 00 Sampler

0 10 Loose

10-30 Med Dense
12-5-2 Dense

50+ Very Dense

Cohesive Consistency

0.4 Soil

4-8 M/Siff

8:15 Staff
15:30 V-Staff

SUMMARY

Earth Boring 6'

Rock Coring ———

Samples 3

HOLE NO 12-74

HOLE NO. 000010
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____	USED _____	CASING _____	THEN _____	SUMMARY _____
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler		
D Dry C Cored Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring _____ 6
U Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard	Rock Coring _____
TP Test Pit A Auger V Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples _____ 3
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-75

HOLE NO. B-12-76
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S _____	_____	START	10/10/94 _____
			Size: D _____	3" _____	_____	COMPLETE	10/10/94 _____
At _____	after _____	Hours	Hammer Wt _____	300# _____	_____	TOTAL HRS.	_____
			Hammer Fcl _____	30" _____	BIT _____	BORING FOREMAN	C. O'Donnele
						INSPECTOR	_____
						SOILS ENGR.	_____

[illegible]

USLO	CASING	TREN
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Proportions Used	
more	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%.

140lb Wt x 30 fall on 2 0.0 Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring	6
Rock Coring	
Samples	3

HOLE NO 12-76

HOLE NO. B-22-11
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		FEET	CASING		FEET	SUMMARY	
Sample Type		Disturbance Level	140lb Wt x 30 fall on 2" O.D.	Sampler			
0-Dry, C-Cores, A-Anchored		None 0 to 10%	Cohesionless Density	Cohesive Consistency			Earth Boring 6'
UP-Undisturbed Thrown		fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard			Rock Coring
1ft. Test Pit, A-Auger, V-Vane Test		sand 20 to 35%	10-30 Med Dense	4-8 M/Stiff			Samples 3
UP-Undisturbed Thrown		coarse 35 to 50%	30-50 Dense	8-15 Stiff			
			50 + Very Dense	15-30 V-Stiff			

HOLE NO 12-77

OUR JOB NO 95-41

LOCATION OF BORING

GROUND SURFACE TO

of Undisturbed Thinwall

USED

and 35 to 50%

CASING

THEN

30-50 Dense
50+ Very Dense

8:15 Shift
15:30 V-SHM

Samples

HOLE NO 12-78

ADDRESS Attleboro, Mass.
LOCATION Attleboro, Mass.

<u>Date</u>	<u>Time</u>
10/10/94	
10/10/94	

3. REMAN C. O'Donnell

1450

S/S

CORE BAR

START 10/10/94

COMPLETE 10/10/94

TOTAL HRS

BORING FOREMAN C. O'Donnell

INSPECTOR

SOILS ENGAGE

11. 11. 11.

CASING THEN

Proportions used

Rate 0.1010%

© 2012

some 20 to 35%.

and 35 to 50%

Dimensionless Density

0 10 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft 30 + hard

4-8 M/S:111

8-15 Staff
10-10 x 6-14

SUMMARY

Earth Brng 6

Rock Coring _____

Samples 3

HOLE NO 12-79

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

USED RASING THEM

Properly Uses

Page 012109.

100-10201

some 2010353

and 35 to 50'.

Cones-onless Density

Cohesive Consistency

0-4 Soft

4-8 W/Shift
9-15 5-10

Earth Boring 6'

Rock Coring

Samples _____

HOLE NO 12-80

TOWN PRESS - EAST PROV

HOLE NO. D-46-96
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY	
Sample Type	Proportions used	140lb WT + 30' fall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency			
D-Dry, D-Cored, W-Washed	trace 0 to 10%	0-10 Loose	0-4	Soft	30 + Hard		Earth Boring <u>6</u>
UP Undisturbed Piston	fine 10 to 25%	10-30 Med Dense	4-8	M/Stiff			Rock Coring _____
Tst Test Pit, A-Auger, J-Jane Test	some 20 to 35%	30-50 Dense	8-15	Stiff			Samples <u>3</u>
UT Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30	v-Stiff			HOLE NO 12-82

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/11/94	
COMPLETE	10/11/94	
TOTAL HRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USE ()

CASING

THEN

Sample Type

Proportions Used

140 lb wt & 30" fall on 2 OD Sampler

SUMMARY.

D: Dry C: Cored W: Washed

Trace 01010%

Coneless Density

Cohesive Consistency

Earth Boring 6'

UD Undisturbed Fission

1999 10:2020%

610 Loose

0.4 Soft 30 + Hard

Rock Coring _____

TP: Test Pt. A: Auger V: Vane Test

some 2019 35%-

10:30 Med Dense

4-B M/Siff

Samples 3

UT: Undistorted Throwwall

35 to 50%

30 50 Dense
50 + Very Dense

8-15 Stiff
15-20 V. Soft

COLE NO 12-8

HOLE NO 12-83

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED CASING THEN

TOWN PRESS . EAST PROV

HOLE NO. D-14-07
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S _____	_____	START 10/11/94	_____
			Size: D _____	3" _____	_____	COMPLETE 10/11/94	_____
At _____	after _____	Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
			Hammer Fall _____	30" _____	_____	BORING FOREMAN P. Vieira	
						INSPECTOR _____	
						SOILS ENGR. _____	

USE 0

CASING THEN

Proportions Used

140:0 WI x 30 fall on 2 00 Sampler

Proce 01010%

Coneless Density

Cohesive Consistency

the 10 to 20%

010 Loose

0-4 Soft 30 + Hard

some 20 to 35%.

12:30 Med Dense

4-8 M/S 11/11

and 35 to 50%.

30-50 Dense
50+ Very Dense

8-15 Staff
15:30 V-Staff

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-85

FILE NO. 10-42-00
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

THE N

SUMMARY:

Earth Boring 6'

Rock Coring

Samples 3

MOLE NO 12-8

HOLE NO 12-86

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/11/94	
COMPLETE	10/11/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Dry, Light Brown to Gray silty fine SAND, trace coarse gravel	1	24	
		2'-4'	D	"	"	"		4'	Dry, Brown silty fine SAND & coarse Gravel	2	24	
									Refusal - Bottom of Boring 4'			

GROUND SURFACE TO _____ USED _____" CASING. THEN

Sample Type

D: Dry C: Cored W: Ashed

UP: Undisturbed Fission

TP: Test Plot A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

trace 0.1010%

Time	10 to 20%
10	10
20	20
30	30
40	40
50	50
60	60
70	70
80	80
90	90
100	100

some 20 to 35%

and 35 to 50%

140lb Wt. x 30" fall on 2" O D Sampler

Cohesionless Density

0.10 Loose

10-30 Med Dense
10-60 Dense

50 + Very Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Suff
9-15 S-11

8-15 Shift
15-30 V-Shift

SUMMARY:

Earth Boring 4'

Rock Coring _____

Samples 2

HOLE NO 12-8

TO AREA ENGINEER ADDRESS ATTLEBORO, MASS. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/11/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/11/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

OFFICIAL RECORD COPY ML 10

1 1 8 9 4 5

GROUND SURFACE TO _____		USED _____	CASING THEN _____		SUMMARY
Sample Type	Proportions Used	40lb Wt & 30' fall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency	
D: Dry C: Cored W: Washed	Trace 0 to 10%	0-10 Loose	0-4 Soft	30+ Hard	Earth Boring <u>6'</u>
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff		Rock Coring _____
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff		Samples <u>3</u>
UT: Undisturbed Throwall	and 35 to 50%	50+ Very Dense	15-30 V-Stiff		HOLE NO 12-88

TOWN PRESS - EAST PROV

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	RULE NO. <u>D-12-07</u> LINE & STA. _____ OFFSET _____ SURF. ELEV. _____
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	
REPORT SENT TO <u>above</u>	Bldg. # <u>5</u>	
SAMPLES SENT TO <u>Taken at Site</u>	PROJ NO. _____ OUR JOB NO. <u>95-41</u>	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/11/94	_____
		Size I D _____	3"	_____	COMPLETE 10/11/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>P. Vieira</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type	Proportions Used	140lb WT x 30" fall on 2 O.D. Sampler	SUMMARY
D-Dry C-Cored A-Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring
TP: Test Pit A Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT: Undisturbed Throwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		Cohesive Consistency	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-89

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler				
D: Dry C: Cored W: Washed		trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>6'</u>
UP: Undisturbed Piston		little 10 to 20%	0-10 Loose		0-4 Soft	30 + Hard	Rock Coring _____
TP: Test Pit A: Auger V: Vane Test		some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples <u>3</u>
UT: Undisturbed Thinwall		and 35 to 50%	30-50 Dense		8-15 Stiff		
			50 + Very Dense		15-30 V-Stiff		

HOLE NO 12-90

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	LINE & STA. _____
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	OFFSET _____
REPORT SENT TO <u>above</u> / <u>Bldg. #5</u>	PROJ NO _____	SURF. ELEV. _____
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	

Date **Time**

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

Type

S/S

START 10/11/94 _____

COMPLETE 10/11/94

TOTAL HRS.

BORING FOREMAN P. Vieira

INSPECTOR

SOILS ENGR

LOCATION OF BORING

GROUND SURFACE TO

USEC

CASING THEN

Sample Type

Proportions Used

140lb Wt x 30' fall on 2 OD Sampler

D: Dry C: Cored W: Washed

Price 0.1000%

Cohesionless Density

Cohesive Consistency

UP: Undisturbed section

11116 10/20/92

0 10 Loose

0-4 Soft 30 + Hard

TP: Test Pin A Auger ✓ wire test

some 20' or 35%.

10 30 Med Dense
10 40 Dense

4-B M/Suff

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Staff
15-30 V-Staff

SUMMARY

Earth Boring 81

Rock Coring _____

Samples 3

HOLE NO 12-91

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/11/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/11/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Foli _____	30"	B.T _____	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	
		2'-4'	D	"	"	"			" with Gray silty Sand	2	24	
		4'-6'	D	"	"	"			Gray silty SAND & Gravel	3	24	
								6'	Bottom of Boring 6'			

USED CASING THEN

Proportions Used

Price 0 to 10%

010200

some 20% to 35%.

and 35 to 50%

Cohesive Consistency

C-4 Soft

4.8 M/Suff

8-15 Stiff
15-30 v. Soft

SUMMARY
Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-9

PROJECT NAME Low Level Radiation Invest
REPORT SENT TO above / Rldg
SAMPLES SENT TO Taken at Site

PROJ. NO. _____
OUR JOB NO. 95-41

SURF. ELEV. _____

GROUND WATER OBSERVATIONS

At _____ after _____ hours

At _____ after _____ hours

	<u>Date</u>	<u>Time</u>
START	10/11/94	
COMPLETE	10/11/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type	Proportions Used	140lb Wt. 30 fall on 2" O.D. Sampler	<u>SUMMARY</u>
Dry Cored & Ashed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6'</u>
Unundisturbed & Ashed	none 0 to 20%	0-10 Loose	Rock Coring _____
For Test Pit & Auger & Cone Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
Unundisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-93

TOWN POSS PASS PROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USED _____		CASING _____		THEN _____		SUMMARY	
Sample Type		Proportions Used		140lb WT x 30' fall on 2" O.D. Sampler				Earth Boring	6'
D-Dry C-Cored W-Washed		fine 0-10-20%		Cohesionless Density		Cohesive Consistency		Rock Coring	
UP Undisturbed Union		fine 10-20%		0-10 Loose		0-4 Soft	30 + Hard	Samples	3
TP Test Pit A Auger V Vane Test		same 20-35%		10-30 Med Dense		4-8 M/Stiff			
UT Undisturbed Thinwall		and 35-50%		30-50 Dense		8-15 Stiff			
				50 + Very Dense		15-30 V-Stiff			

HOLE NO 12-94

SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/11/94	_____
		Size: D _____	3" _____	_____	COMPLETE 10/11/94	_____
		Hammer Wt _____	300# _____	_____	TOTAL HRS _____	_____
At _____	after _____ Hours	Hammer Fall _____	30" _____	BIT _____	BORING FOREMAN P. Vieira	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

D: Dry C: Cored W: Aged

Lib. undisturbed system

Test Test A Auger V. Vane Test

11 Undisputed Throw

Proportions used

Rate 0.1010%

10 to 2.3%

same 2010 35%

35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler

Cohesionless Density

210 Loose

10-30 Med Dense
12-50 Dense

30-50 Dense
50+ Very Dense

on 2 00 Sampler

Cohesive Consistency

0-4 Soft

4.8 M/S/11

8-15 Stiff
15-30 Very Stiff

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-95

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____	USED _____	CASING _____	THEN _____	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler		
D-Dry C-Cored W-Washed	trace 0% to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP=Undisturbed Piston	fine 10% to 20%	0-10 Loose	0-4 Soft 30+ Hard	Rock Coring _____
TP=Test Pit A Auger V-Vane Test	some 20% to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT=Undisturbed Thinwall	and 35% to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-96

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

Type

S/S

CORE BAR

Date	Time
------	------

START 10/11/94
COMPLETE 10/11/94
TOTAL HRS. _____
BORING FOREMAN R. Allen
INSPECTOR _____
SOILS ENGR. _____

LOCATION OF BORING

GROUND SURFACE TO

USD

HOUSING

THEN

Sample Type

Proportions Used

140 lb Wt x 30' fall on 2" O.D. Sampler

SUMMARY

D: Dry C: Cured W: Washed

trace 1 to 10%

Cohesionless Density

Cohesive Consistency

Earth Boring 6

UP Undisturbed Position

time 10 to 20%

0 10 Loose

0-4 Soft 30 + Hard

Rock Coring

TP: Test; P: Pt; A: Auger; V: Vane Test

some 20 to 35%

10-30 Med Dense

4-8 M/Stiff

Samples 3

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Stiff
15-30 V-Stiff

HOLE NO 12-97

HOLE NO. B-42-70
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/11/94	
COMPLETE	10/11/94	
TOTAL HRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USE 0

CASING THEN

THEN

Sample Type

Proportions Used

140 lb Wt + 30 ft on 2" OD Sampler

SUMMARY

D: Dry C: Cored W: No. 2

Trace 0.0103%

Cohesionless Density

Cohesive Consistency

Earth Boring 6

UD - Undisturbed Fission

1015203

10 10 Loose

0.4 Soft 30 + Hard

Rock Coring

TP: Test Pt. A. Auger V. Vane Test

some 20%–35%.

10 30 Med Dense
12 40 Dense

4-8 M/Stiff

Samples 3

UT : Undisturbed Thinwall

and 15 to 50%.

50-59 Dense
60+ Very Dense

8-15 SIMM
15-30 V. SM4

WOLF NO 12-9

HOLE NO 12-98

FILE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	<u>10/11/94</u>	<u> </u>
COMPLETE	<u>10/11/94</u>	<u> </u>
TOTAL HRS.		
BORING FOREMAN	<u>J. Medeiros</u>	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24"	
		2'-4'	D	"	"	"			" "	2	24"	
		4'-6'	D	"	"	"			" "	3	24"	
								6'	Bottom of Boring 6'			

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type

D-Dry C-Cored w. Aramid

UP: undisturbed station

TP: Test Pt. A Auger 1 Zone Test

UT: Undisturbed Inflow

Proportions Used

more 0 to 10%

time 10 to 20%.

same 20 to 35%

and 35 to 50%

140lb WT x 30' fall on 2" O.D. Sampler

Cohesionless Density

00 Loose

10 30 Med Dense
10 50 Dense

50+ Very Dense

Cohesive Consistency

0.4 Soft 3

4-8 M/Stiff
9-16 C-M

8-15 Shift
15-30 V-Shift

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-99

HOLE NO. B-12-100
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/11/94	
COMPLETE	10/11/94	
TOTAL MRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

SUMMARY

Earth Boring	6
Rock Coring	
Samples	3

HOLE NO 12-10

HOLE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/11/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/11/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

SUMMARY

Earth Boring	61
Rock Coring	
Samples	3

HOLE NO12-101

HOLE NO. B-17-102
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	hours	Type _____	S/S	_____	START 10/11/94	_____
			Size ID _____	3 1/2"	_____	COMPLETE 10/11/94	_____
			Hammer Wt _____	300#	_____	TOTAL HRS.	_____
At _____	after _____	hours	Hammer Fall _____	30"	_____	BORING FOREMAN <u>J. Medeiros</u>	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

USE:

TESTING THEN

Proportions Used

price 01010%

101209

some 2010 35%

and 35 to 50%

140lb WT x 30' fall on 2 00 Sampler

Cohesionless Density

0.0 Loose

10:30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft

4.8 M/S/11/1

8-15 SMF
15-20 V-SMA

SUMMARY

Earth Boring 6

Rock Loring

Samples

HOLE NO 12-10:

FILE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30' fall on 2" O.D. Sampler					
				Cohesionless Density		Cohesive Consistency		Earth Boring	
D: Dry C-Cored Washed		trace	0 to 10%	0-10 Loose		0-4 Soft 30+ Hard		Rock Coring	
UP: Undisturbed Piston		none	10 to 20%	10-30 Med Dense		4-8 M/Stiff		Samples	
TP: Test Pit A Auger V Vane Test		some	20 to 35%	30-50 Dense		8-15 Stiff			
UT: Undisturbed Thinwall		and	35 to 50%	50+ Very Dense		5-30 V-Stiff			

HOLE NO 12-10

HOLE NO. D-44-204
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

Type

S/S

CORE BAR

START 10/11/94

COMPLETE 10/11/94

TOTAL HRS

BORING FOREMAN P. Vieira

INSPECTOR

SOILS ENGR.

Date Time

Yimo

At _____ after _____ hours

Size: D

3"

817

nummer wi

30

Hammer Fall

30

(156.1)

CASING

THE N

Proportions Used

140lb Wt x 30" fall on 2 00 Sampler

SUMMARY

D: Dry C: Cored W: Aged

Trace 0 to 10%

Cohesionless Density

Cohesive Consistency

Earth Boring

U⁰ : undisturbed Figs. 100

title 10 to 20%.

0 10 loose

0.4 Soft 30 + Hard

Rock Coring

TP: Test Pt A Again & Same Test

4000	10 to 20 %
5000	20 to 35 %

10:30 Med Dense

4-8 M/Sift

Samples _____

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-EM

HOLE NO 12-104

HOLE NO. B-12-103
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/11/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/11/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane test
UT: Undisturbed Thruwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt = 30" fall on 2 O.D. Sampler		
Cohesionless Density	Cohesive Consistency	
0-10 Loose	0-4 Soft	30+ Hard
10-30 Med Dense	4-8 M/Stiff	
30-50 Dense	8-15 Stiff	
50+ Very Dense	15-30 V-Stiff	

SUMMARY

Earth Coring	6'
Rock Coring	
Samples	3

HOLE NO 12-105

HOLE NO. B-12-100
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

Sample Type	Proportions Used	140lb Wt + 30" fall on 2" O.D Sampler	SUMMARY
D: Dry C-Cored W. Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP: Undisturbed Piston	fine 10 to 20%	0-10 Loose	Rock Coring
TP: Test Pit A Auger V. Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		Cohesive Consistency	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-10

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING												
DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From	To					No	Pen	R
		0'-2'	D	Blows not Taken					Dark Brown medium SAND & Light Yellow fine Sand, some gravel Gray Yellow fine SAND, some gravel Yellow fine to medium SAND	1	24	%
		2'-4'	D	"	"	"				2	24	%
		4'-6'	D	"	"	"				3	24	%
								6'	Bottom of Boring 6'			

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions used	140lb Wt = 30 fall on 2 3/4" Sampler				
D Dry / C Cores / A Washed		trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring 6'
UP Undisturbed / Down		fine 10 to 20%	0-10	Loose	0-4	Soft	30 + Hard
TP Test Pit / A Auger / V Vane Test		some 20 to 35%	10-30	Med Dense	4-8	M/Stiff	Rock Coring
UP Undisturbed / Down		and 35 to 50%	30-50	Dense	8-15	Stiff	Samples 3
			50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-10

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

Proportions Used

CASING THEN

0" fall on 2 30 Samplers

Cohesionless Density

Cohesive Consistency

more 0.010%

Loose

C-4 50!!

UP Undisturbed Factor

2020

10 30 Med Dense

4.6 M/S.1

16. Test Pt. A Auger & Vane Test

some 20 to 35%

30-50 Dense
50+ Very Dense

8-15 5:10

UT: Undisturbed Throw-out

3510302

SUMMARY

Earth Boring 6'

Rock Coring

Samples _____

HOLE NO 12-10

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____	USED _____	CASING THEN _____	
Sample Type	Proportions Used	140lb WT x 30" tall on 2" O.D. Sampler	<u>SUMMARY</u>
D-Dry C-Cored W-Washed	trace 0 to 10%	Coneless Density	Earth Boring <u>6"</u>
UP Undisturbed Placer	fine 10 to 20%	0-10 Loose	Rock Coring _____
TP Test Pit A Auger & Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 W/Stiff	
		8-15 Stiff	
		15-30 v-Stiff	

HOLE NO 12-10

TOWN PRESS - FALL 1964

TOWN POST FALL 1900

TO LEADS UNCLASSIFIED ADDRESS Attleboro, Mass. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ NO _____ SURF. ELEV. _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/12/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/12/94	_____
		Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb Wt + 30' fall on 2 O.D. Sampler	Cohesionless Density	Cohesive Consistency		Earth Boring	
0 Dry C-Cored A Auger	trace 0 to 10%		0-2 Loose	0-4 Soft	30 + Hard	Rock Coring	
UP Undisturbed Piston	little 10 to 20%		10-30 Med Dense	4-8 M/Stiff		Samples	3
TP Test Pit A Auger V Vane Test	some 20 to 35%		30-50 Dense	8-15 Stiff			
UT Undisturbed Thinwall	and 35 to 50%		50 + Very Dense	15-30 V-Stiff			

HOLE NO 12-111

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

CASING THEN

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-11

TOWN PRESS - EAST PROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	<u>10/12/94</u>	<u> </u>
COMPLETE	<u>10/12/94</u>	<u> </u>
TOTAL HRS.		
BORING FOREMAN	<u>J. Medeiros</u>	
INSPECTOR	<u> </u>	
SOILS ENGR.	<u> </u>	

LOCATION OF BORING

GROUND SURFACE TO

USE()

CASING

THE N

Sample Type

Proportions Used

14015 WI x 30 fall on 2 00 Sampler

D: Dry C: Cored W: Washed

trace 0.10:0%

Coneless Density

Cohesive Consistency

UP: Undisturbed Fission

0.1010 %
0.1320 %

0 10 Loose

0-4 Soft 30 + Hard

TP: Test Pin A: Auger V: Vane Test

same 20 to 15%

10-30 Med Dense

4.8 M/Suff

UT = Undisturbed Thinwall

2010 33.75%

30-50 Dense
50+ Very Dense

8:15 S.M.
15:30 V-S.M.

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-11

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/12/94	
COMPLETE	10/12/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY	
Sample Type	Proportions Used	140 lb WT x 30" Fall on 2" O.D. Sampler		Earth Boring	6'
0" Dry, 0" Cored, W. Washer	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Rock Coring	
0" Undisturbed, Fusion	fine 0 to 20%	0-2 Loose	0-4 Soft 30+ Hard	Samples	3
1" Test Pit, A Auger, V. Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	HOLE NO 12-11	
0" Undisturbed, Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff		
		50+ Very Dense	15-30 V-Stiff		

TOWN PRESS - EAST PROV

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/12/94	
COMPLETE	10/12/94	
TOTAL HRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type	Proportions Used	140lb Wt x 30" Fall on 2" O.D. Sampler	SUMMARY
D-Dry, C-Cored, W-Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP - Undisturbed Piston	fine 10 to 20%	0-10 Loose	Rock Coring
TP - Test Pit, A-Auger, V-Vane test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT - Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		Cohesive Consistency	
		0-4 Soft 30+ Hard	
		4-8 M/Shift	
		8-15 Shift	
		15-30 V-Shift	

HOLE NO 12-11

TOWN PRESS - EAST PROV

TO Texas Instruments ADDRESS Attleboro, Mass. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____		S/S	_____	START 10/12/94	_____
		Size ID _____		3"	_____	COMPLETE 10/12/94	_____
At _____	after _____ Hours	Hammer Wt _____		300#	_____	TOTAL HRS. _____	
		Hammer Fall _____		30"	_____	BORING FOREMAN <u>P. Vieira</u>	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

153 i

CASING

THEN

Sample 1, 4, 6

Procedures Used

40lb WT & 30 fall on 2 OD Sampler

SUMMARY

0 Dry Colored W. Area:

Cohesionless Density

Cohesive Consistency

Earth Boring

20 Underscored history

"p. 31220"

Loose

0-4 Soft

Rock Coring

TP Test for A Sample - 1000 Tests

same 2010 35%

10:30 Med Dense
12:50 Dense

4 B M/Stitt

Samples _____

U* undisturbed flow

35105012

50 + Very Dense

15:30 V-Spt

HOLE NO 12-11

TOWN PRESS . EAST BRUNSWICK

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	LINE & STA. _____
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	OFFSET _____
REPORT SENT TO <u>above</u> / <u>Bldg. #5</u>	PROJ NO. _____	SURF. ELEV. _____
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____		<u>S/S</u>	_____	START <u>10/12/94</u>	_____
		Size: D _____		<u>3½"</u>	_____	COMPLETE <u>10/12/94</u>	_____
At _____	after _____ Hours	Hammer Wt _____		<u>300#</u>	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____		<u>30"</u>	_____	BORING FOREMAN <u>R. Allen</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

1580

CASING THEN

Sample Type

Report was used

40lb WT x 30' fall on 2" ID Sampler

Dry Colored Ashes

1950 010103/2

Cohesionless Density

Cohesive Consistency

UP - 000507001 10/1/78

1100 010200

Loose

0-4 Soft 30+ Hard

10. Test for A. ...

some 2010350.

10 30 Med Dense
10 60

4.8 M/Stiff

UT - Undisturbed Thicket

35105012

50-50 Dense
50+ Very Dense

8 15 5:11
15 30 4:50

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-11

TOWN 2814 . 2411 2814

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

TOWN PRESS EAST RIV.

TO TEXAS INSTRUMENTS ADDRESS ATTLEBORO, MASS.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
REPORT SENT TO above / Bldg. #5 PROJ NO. _____ OFFSET _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/12/94	_____
			Size: D _____	3"	_____	COMPLETE 10/12/94	_____
At _____	after _____	Hours	Hammer wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USER

CASING

THEN

Sample Type
 C Dry C Cored A Auger
 U Undisturbed Core
 EP Test Pit A Auger V Vane Test
 U Undisturbed Thawall

Proportions Used	
none	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt = 30 fall on 2 00 Sampler	
Cohesiveness Density	Cohesive Consistency
0-2 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-60 Dense	8-15 Stiff
60+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring _____ 6'
Rock Coring _____
Samples _____ 3

HOLE NO 12-119

TOWN PRESS - EAST BROW

LINE TA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/12/94	_____
		Size: D _____	3 1/2" _____	_____	COMPLETE 10/12/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fcl. _____	30" _____	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

USED _____ CASING THEN _____

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

WELL NO 12-12

TOWN PRESS - EAST BROW

HOLE NO 12-120

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb WT x 30' fall on 2" O.D. Sampler					
D-Dry	C-Cored	W-Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency		Earth Boring	6'
UP-Undisturbed	1-Fistion		fine	10 to 20%	0-0 Loose	0-4 Soft	30+ Hard	Rock Coring	
TP-Test Pit	A-Auger	V-Vine Test	some	20 to 35%	10-30 Med Dense	4-8 M/Stiff		Samples	3
UT-Undisturbed	Thinwall		and	35 to 50%	30-50 Dense	8-15 Stiff		HOLE NO 12-12	
TOWN PRESS		EAST ROCK							

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED CASING THEN

UT: undisturbed throwoff

15:050'2"

30-50 Dense
50+ Very Dense

8:15 Shift
15:30 Shift

Samples _____

TOWN PRESS - EAST PROV

Date _____ Time _____

SOILS ENGR

LOCATION OF BORING

ASING THEN

14010 WI + 30" fall on 2 30: Samples

Cohesionless Density

Loose

10:30 Med Dense
10:50 Dense

50 + Very Dense

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-122
(B)

FILE NO. 12-46-463
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/12/94	_____ a.m. _____ p.m.
COMPLETE	10/12/94	_____ a.m. _____ p.m.
TOTAL HRS.	_____	_____
BORING FOREMAN	P. Vieira	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO	USED	CASING	THEN	
Sample Type	Proportions Used	140lb Wt x 30' fall on 2" O.D. Sampler		SUMMARY
D Dry C-Cored W-Flushed	trace 0 to 0%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
UT Undisturbed Piston	fine 10 to 20%	0-0 Loose	0-4 Soft 30+ Hard	Rock Coring
TP Test Pit A Auger V-Vane Test	same 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-123

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USE i'

CASING THEN

Proportions Used

Trace 0 to 10%

DATE 10/10/2004

some 20% 35%

Conesionless Density

010 **Loose**

10 30 Med Dense

3.0-50 Dense

Cohesive Consistency

Q-4 Soft

4.8 M/Siff

8-15 Staff

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-12

TOWN PRIDE 1957-1958

HOLE NO 12-12

MOLE NO. B-12-120
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

THEN

SUMMARY

Earth Boring _____

Rock Coring _____

Samples _____

HOLE NO 12-12

HOLE NO. D-12-12
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/12/94	
COMPLETE	10/12/94	
TOTAL HRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USE D

CASING

THE N

Sample Type
D Dry C Cored W Washed
UD Undisturbed Piston
TP Test Pit A Auger V Vane Test
UT Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 25%
some	20 to 35%
and	35 to 50%

140lb Wt x 30 fall on 2 3/4 Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring _____ 6'
Rock Coring _____
Samples _____ 3

HOLE NO 12-1

HOLE NO. B-12-140
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/12/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/12/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BIT _____	
					BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

ASING THEN

Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO 12-128

HOLE NO. D-11-111
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

<u>Date</u>	<u>Time</u>
10/12/94	
10/12/94	

S. _____

REMAN P. Vieira

USED CASING THEN

Proportions Used

140lb WI + 30 full on 2 O.D. Sampler

SUMMARY

trace 01010

Dimensionless Density

Cohesive Consistency

Earth Boring 6'

the 0.1920%

0 10 loose

C-4 Soft 30 + Hard

Rock Coring

same 200035%

10-30 Med Dense
10-50 Dense

4.8 M/Siff

Samples 3

and 35 to 50%

30-50 Dense
50+ Very Dense

8:15 Still
15:30 V. Smith

HOLE NO 12-120

HOLE NO. B-12-130
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type	Proportions Used	140lb Wt x 30 ft on 2 0.0	Sampler				
0 Dry & Cored & Surface	trace 0 to 10%	Coneless Density	Cohesive Consistency				Earth Boring <u>6</u>
UP - Undisturbed - Upper	fine 0 to 20%	0 0 Loose	0 4 Soft	30 + hard			Rock Coring
TP - Test Pit & Auger - 1/2 Moiré Test	same 20 to 35%	1 30 Med Dense	4-8 M/Stiff				Samples <u>3</u>
UT - Undisturbed - Thin wall	and 35 to 50%	30 50 Dense	8-15 Stiff				
		50 + Very Dense	15-30 M-Stiff				

HOLE NO 12-130

HOLE NO. B-12-131
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/12/94	_____
		Size: D _____	3"	_____	COMPLETE 10/12/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>P. Vieira</u>	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt + 30" fall on 2" O.D. Sampler		
Dry C-Cored A Ashed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP Undisturbed Throat	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TP Test Pit A Auger v Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UP Undisturbed Throat	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO12-131

HOLE NO. B-12-132
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ Hours	Type _____	S/S	_____	START 10/12/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/12/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

Sample Type
D Dry C Cored W Weathered
UD Undisturbed Piston
TP Test Pit A Auger V-Vane Test
UT Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30 fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-132

HOLE NO. B-12-133
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S _____	_____	START 10/12/94	_____
			Size I D _____	3 1/2" _____	_____	COMPLETE 10/12/94	_____
			Hammer Wt _____	300# _____	_____	TOTAL HRS. _____	
At _____	after _____	Hours	Hammer Fall _____	30" _____	BIT _____	BORING FOREMAN R. Allen	
						INSPECTOR _____	
						SOILS ENGR. _____	

USED CASING THEN

Proportions Used

Rate 0.1010%

the 1020°.

none	10 to 20%
some	20 to 35%

some	2010 5.5%
and	3510 50 1/2%

140lb Wt x 30" fall on 2 00 Sampler

Cohesionless Density

Q 10 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft

4-8 M/SIII

8-15 S.M.
15-20 S.M.

SUMMARY

DOMINANT
Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-133

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/12/94	
COMPLETE	10/12/94	
TOTAL MRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type

D Dry C-Cored W-Absorbing

UP Unshaded Polyester

1st Test Pt. 2 Aug. 1941 2nd Test

UT - Undisturbed Terrain

Proportions Used

Price 01010%

10.020%

2010 35%

351050%

140 RW1 = 30' fall on 2" OD Sampler

Compositional Density

0 :0 Loose

10-30 Med Dense
10-40 Dense

50-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft

4.8 M/Siff
8.15 S-11

8:15 Shift
15:30 V-Shift

SUMMARY

Earth Boring 2.

Rock Coring

Samples _____

HOLE NO 12-1

HOLE NO. B-12-135
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

ORIGIN: SURFACE TO _____	USED _____	CASING _____	THEN _____	SUMMARY
Sample Type	Proportions Used	140 lb WT + 30 lb Iron 2" O.D. Sampler		
0 Dry, 0 Cored, 0 Auger	None 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring 6'
UP Undisturbed Piston	1 lb 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TF Test Pit, 0 Auger, 0 Cone Test	None 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples 3
UT Undisturbed Thinwall	1 lb 35 to 60%	30-50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-13

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO _____		USED _____		"CASING" THEN _____			
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" OD Sampler				SUMMARY	
		Cohesionless Density		Cohesive Consistency		Earth Boring	
D-Dry C-Cored W-Washed	trace 0 to 10%	0-10 Loose		0-4 Soft	30 + Hard	Rock Coring	
UP - Undisturbed Piston	little 10 to 20%	10-30 Med Dense		4-8 M/Stiff		Samples	2
TP - Test Pist. A-Auger J-Vane Test	some 20 to 35%	30-50 Dense		8-15 Stiff		HOLE NO 12-1	
UT - Undisturbed Thinwall	and 35 to 50%	50 + Very Dense		15-30 V-Stiff			

LINE B STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/12/94	
COMPLETE	10/12/94	
TOTAL HRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

THEN

SUMMARY

Earth Boring 3

Rock Coring _____

Samples 2

HOLE NO 12-1

HOLE NO. D-44-130
LINE & STA. _____
OFFSET _____
SURF ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/13/94	
COMPLETE	10/13/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

Proportions Used

140lb Wt. & 30' fall on 2" OD Sampler

SUMMARY

Proce 01010%

Cohesionless Density

Cohesive Consistency

Earth Boring 6'

2.6 End-stopped System

10 to 20%

0 10 Loose

0-4 Soft 30 + Hard

Rock Coring

1F. Test Pt A Auger ✓ & xps test

same 2019 35%

10.30 Med Dense

4-8 M/Stiff

Samples 3

UT - Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Staff
15-30 V-Staff

HOLE NO 12-13

HOLE NO. B-12-139
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/13/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ Hours	hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

1565

CASING THEN

Figure 1. Study design.

140.0 wt % 30' fall on 2" O.C. Sampler

1969 1104192

Dimensionless Density

Cohesive Consistency

1997 1998 1999

Loose

3 4 Soft 3C + hard

doi:10.1016/j.jmb.2010.11.002

10 50 Med Dense

4.8 M/S:11

3504	1010.50%
3505	1510.50%

30 50 Dense
40 60 Very Dense

8-15 Shift
8-12 Shift

SUMMARY

Earth Boring 6

Rock Coring

Samples _____

HOLE NO 12-139

HOLE NO. D-22-240
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

CASING THEN

140 lb WT x 30 ft on 2 00 Sampler

Cohesive Consistency

0-4 Soft 30 + Hard

4-B M/Siff

8-15 Shift
15-30 v. Shift

Earth Boring 6

Rock Coring

Samples _____

HOLE NO12-140

HOLE NO. D-26-242
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/13/94	
COMPLETE	10/13/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USE:

CASING THEN

Sample Type
 D Dry C Cores A Assted
 UP Undisturbed In-situ
 TP Test Pit A Assted v. v. test
 UP Undisturbed In-situ

Proportions used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
big	35 to 50%

140lb Wt & 30 min on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-141

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	ROLL NO. <u>B-12-24</u>
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	LINE & STA. _____
REPORT SENT TO <u>above</u> / <u>Bldg. #5</u>	PROJ NO _____	OFFSET _____
SAMPLES SENT TO <u>1' in at Site</u>	OUR JOB NO <u>95-41</u>	SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START	10/13/94
			Size: D _____	3 1/2"	_____	COMPLETE	10/13/94
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS.	_____
			Hammer Fall _____	30"	BIT	BORING FOREMAN	J. Medeiros
						INSPECTOR	_____
						SOILS ENGR.	_____

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING THEN

THEN

Sample Type

Proportions Used

140 lb WI x 30" fall on 2 OD Samplers

SUMMARY

D-Dry C-Cored W-Wood

Page 01010%

Cohesionless Density

Cohesive Consistency

Earth Boring

JP Undisturbed Vision

10 to 20%

0 10 Loose

0-4 Soft

Rock Coring _____

TP: Test P. A. Auger v. vane Test

some 201035%.

10	30	Med Dense
10	50	Dense

4.8 M/S/11

Samples 3

UT: Undisturbed thin soil

and 35 to 50%

50 + Very Dense

8-15 Shift
15-30 V-Shift

HOLE NO 12-14

LINE B STA _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/13/94	
COMPLETE	10/13/94	
TOTAL HRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

8 15 5111
15 30 2-5111

Samples 3

HOLE NO 12-143

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START	10/13/94
		Size D _____	3 1/2"	_____	COMPLETE	10/13/94
At _____	after _____ hours	Hammer Wt _____	300#	BIT	TOTAL HRS.	
		Hammer Fcl _____	30"	_____	BORING FOREMAN	J. Medeiros
					INSPECTOR	
					SOILS ENGR.	

GROUND SURFACE TO		SEE	TAKING		THEN	SUMMARY	
Sample Type	Proportions used		40 lb Wt	30 fall on 2	30 Sampler		
0 Dry, 2 Cores, 1 A, 1 B, 1 C	None		Cohesionless	Density	Cohesive	Consistency	Earth Boring
100% undisturbed	10 to 20%		0-2	Loose	0-4	Soft	30 + hard
100% Test Box, 1 A, 1 B, 1 C	20 to 35%		10-30	Med Dense	4-8	M/Stiff	Rock Coring
100% undisturbed	15 to 50%		30-50	Dense	8-15	Stiff	Samples
100% undisturbed			50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-14

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	<u>10/13/94</u>	<u> </u>
COMPLETE	<u>10/13/94</u>	<u> </u>
TOTAL MRS.		
BORING FOREMAN	<u>R. Allen</u>	
INSPECTOR		
SOILS ENGR.		

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30' fall on 2" O.D. Sampler				Earth Boring <u>6</u>
D-Dry C-Cored W. Sealed		None 100%	cohesionless Density		Cohesive Consistency		Rock Coring
UP Undisturbed Piston		fine 10 to 20%	2-4 Loose		0-4 Soft	30 + Hard	Samples <u>3</u>
UP Undisturbed Piston		fine 10 to 20%	2-4 Med Dense		4-8 M/Stiff		
UP Test Pist. A Sugar V. Vane Test		same 20 to 35%	30-50 Dense		8-15 Stiff		
UT Undisturbed Thinwall		fine 35 to 50%	50+ Very Dense		15-30 V-Stiff		

HOLE NO 12-14

HOLE NO. D-12-140
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND : 10000 FT.

100

ASING THEN

Sample Type	Proportions Used	40lb Wt + 30 fall on 2" O.D. Sampler	SUMMARY
Dry, Cored, A. Sample	trace - 10 to 20%	Speissless Density	Earth Boring <u>6'</u>
OF - undisturbed - core	little - 20 to 25%	Loose	Rock Coring
T.B. Test Pit - A Sample - 1/2 mile test	some - 20 to 35%	1/2" M/ Med Dense	Samples <u>3</u>
OF - undisturbed - core	and - 35 to 50%	3/4" M/ Dense	
		1" M/ Very Dense	
		1 1/2" M/ V-Shit	

HOLE NO 12-14

SURF. ELEV.

SOILS ENGR

LOCATION OF BORING

CASING ITEM

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-14

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	FILE NO. <u>100-100-100</u>
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	LINE & STA. <u></u>
REPORT SENT TO <u>above / Bldg. #5</u>	PROJ NO <u></u>	OFFSET <u></u>
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	SURF. ELEV. <u></u>

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/13/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>P. Vieira</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5' on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Dark Brown fine to medium SAND, some gravel	1	24	12
		2'-4'	D	"	"	"			Brown & Yellowish Red fine SAND, some gravel	2	24	12
		4'-6'	D	"	"	"			Gray & Yellowish fine SAND	3	24	11
								6'	Bottom of Boring 6'			

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type	Proportions used	40lb wt. & 50 lb. on 2 1/2" Sampler	Non cohesionless Density	Cohesive Consistency					
Dry, Coarse, & Washed	fine 0 to 10%	1-2	Loose	0-4	Soft	30 + Hard	Earth Boring	6'	
PR Undisturbed & Test	fine 1 to 20%	10-30	Med Dense	4-8	M/Shift		Rock Boring		
Tell Test for A & B & C & D & E Test	small 20 to 35%	30-50	Dense	8-15	Stiff		Samples	3	
of Undisturbed & Thawed	and 35 to 50%	50 +	Very Dense	15-30	Very Stiff		HOLE NO	12-14	

HOLE NO 12-14

HOLE NO. B-12-149
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/13/94	
COMPLETE	10/13/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SPACE TO

USED: CASING THEN

Sample Type	Proportions Used	140lb Wt. & 30' fall on 2" O.D. Sampler	SUMMARY	
D-Dry, C-Cored, A-Aggregate	trace (0 to 0.9%)	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UF-Undisturbed Fill	fine (10 to 20%)	0-10 Loose	0-4 Soft	Rock Coring
TA-Test Pit, A-Aggregate, V-Vine Test	same 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UF-Undisturbed Fill	and 35 to 50%	30-50 Dense	8-15 Stiff	HOLE NO12-149
		50+ Very Dense	5-30 v-Stiff	

HOLE NO. B-12-150
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING												
DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5 on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dark Brown fine to medium SAND & Yellowish fine Sand some gravel (Tip was Moist)	1	24	2
		2'-4'	D	"	"	"			Wet, Gray fine to medium SAND	2	24	1
		4'-6'	D	"	"	"			" some coarse gravel	3	24	1
								6'	Bottom of Boring 6'			

GROUND SURFACE TO	USED	TESTING	THEN	
Sample Type	Proportions used	140lb Wt x 30 fall on 2	Sampler	SUMMARY Earth Boring <u>6'</u> Rock Coring _____ Samples <u>3</u>
Dry Cored With Seal	none 10 to 20%	Cohesionless Density	Cohesive Consistency	
UP Undisturbed Factor	fine 10 to 20%	0-4 Loose	0-4 Soft 30 + Hard	
Tri Test P. A. Auger / Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M-Stiff	
UP Undisturbed Throat	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-15

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/13/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

1945

ASING THEN

instruments used

14010 WI x 30 fall on 2 00 Sampler

1944-1945

Compressionless Density

cohesive Consistency

2000 10/10/2000

0 0 LOOSE

0-4 Soft 3C + Hard

© 2015

10 30 Med Dense

4.8 M/S/11

30.1	35 to 50%
------	-----------

30-50 Dense
50+ Very Dense

8-15 Staff
5-10 x 5-14

SUMMARY

Earth Boring 6

Rock Coring

Samples 3

HOLE NO 12-15

HOLE NO. B-12-152
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/13/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

Sample Type
 D: Dry C Cored W: Washed
 U: Undisturbed Test
 TP: Test Pit A: Auger V: Vane Test
 UT: Undisturbed Thinwall

Proportions used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-30 Loose	0-4 Soft 30+ Hard
30-50 Med Dense	4-8 M/Stiff
50-60 Dense	8-15 Stiff
60+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO 12-15

HOLE NO. 07-2-00
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

ASING THEN

140lb Wt + 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V. Stiff

SUMMARY

h Boring	6
k Coring	
opies	3

HOLE NO 12-15.

HOLE NO. B-12-154
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/13/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

1551

CASING THEN

proportions used

4010 Wt + 3010 on 2 20 Sampler

1000 010105Z

Cohesionless Density

Cohesive Consistency

1990

00 Loose

5-4 Soft 30 + Hard

same 2010 35%.

10 11 Med Dense

4 B M/Shift

15.50%

1. Dense
 2. Dense

8-15 5111
5-12 5111

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-15

HOLE NO. B-12-153
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND SURFACE TO	USE	CASING	THEN	
Sample Type	Proportions Used	140lb WT x 30' fall on 2" O.C.	Sampler	SUMMARY
Dry Cored W/ Auger	trace 0 to 10%	Cementless Density	Cohesive Consistency	Earth Boring 6
Undisturbed Station	fine 10 to 20%	0-10 Loose	0-4 Soft 30' + Hard	Rock Coring
Test Pit A Auger V Vane Test	some 20 to 35%	0-30 Med Dense	4-8 M/Stiff	Samples 3
Undisturbed Throw	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-15

HOLE NO. B-12-156
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/13/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN P.Vieira	
					INSPECTOR _____	
					SOILS ENGR. _____	

USED _____ CASING THEN

Sample Type	Proportions Used	140lb Wt & 30" fall on 2" O.D. Sampler	SUMMARY
D: Dry C-Cored W. Sealed	fine 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP: Undisturbed Piston	fine 10 to 20%	0-10 Loose	Rock Coring
TP: Test Pist. A-Auger V. Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-150

HOLE NO. B-12-157
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS				CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	_____	S/S	_____	START	10/13/94
_____	_____	_____	Size: D _____	_____	3 1/2"	_____	COMPLETE	10/13/94
At _____	after _____	Hours	Hammer Wt _____	_____	300#	_____	TOTAL HRS.	_____
_____	_____	_____	Hammer Fall _____	_____	30"	_____	BORING FOREMAN	J. Medeiros
						BIT	INSPECTOR	_____
						_____	SOILS ENGR.	_____

GROUND SURFACE TO	USED	CASING	THEN	
Sample Type	Proportions Used	140lb Wt + 30' fall on 2" O.D. Sampler		<u>SUMMARY</u>
D-Dry C-Cored W. Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
UP - Undisturbed Thinwall	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TP - Test Pit - A Auger - Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT - Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-15

HOLE NO. D-42-13
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt + 30' fall on 2" O.D. Sampler	Cohesionless Density	Earth Boring
D Dry, C Cored, W Washed	trace 0 to 10%	0-10 Loose	Cohesive Consistency	Rock Coring
UP Undisturbed, Coston	little 10 to 20%	10-30 Med Dense	0-4 Soft 30 + Hard	Samples
TP Test Pit, A Auger, V Vane Test	some 20 to 35%	30-50 Dense	4-8 M/Stiff	
UT Undisturbed, Throwall	and 35 to 50%	50 + Very Dense	8-15 Stiff	
			15-30 v-Stiff	HOLE NO 12-15

HOLE NO. B-12-160
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/13/94	_____
		Size: O _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>P. Vieira</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

115, 116

ASING THEN

Proportions Used

140 lb WT + 30 fall on 2 00 Sampler

SUMMARY

Trace 0.010%

Cohesiveness Density

Cohesive Consistency

Earth Boring 6

10/10/2019

0 0 Loose

0-4 Soft 30 + hard

Rock Coring _____

same 2010.35%

10:30 Med Dense
30:40 Dense

4-8 M/S...

Samples 3

and 35 to 50%.

50 + Very Dense

8-15 Staff
15-30 v. Staff

HOLE NO12-160

HOLE NO B-12-161
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/13/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/13/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

HOLE NO 12-161

PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. # 5 PROJ NO _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

LINE & STA _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS

At _____ after _____ hours

Type _____

CASING _____

SAMPLER _____

CORE BAR _____

START 10/13/94

COMPLETE 10/13/94

TOTAL HRS. _____

BORING FOREMAN J. Medeiros

INSPECTOR _____

SOILS ENGR. _____

At _____ after _____ hours

Size: D _____

Hammer Wt _____

Hammer Fall _____

S/S

3 1/2"

300#

30"

BIT

LOCATION OF BORING

Z ft	Casing Blows per foot	Sample Depths From To	Type of Sample	Blows per F ¹ on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From	To					No	Pen	Rec
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24'	2'
		2'-4'	D	"	"	"			" "	2	24'	1'
		4'-6'	D	"	"	"			" "	3	24'	1'
								6'	Bottom of Boring 6'			

ON AND SURFACE

Sample Type _____
 2 Dry 2 Cured & Moist _____
 25% Moisture Test _____
 25% Test for A & B _____
 25% Undisturbed Soilwall _____

Proportions used _____
 trace 0% to 10% _____
 little 10% to 20% _____
 some 20% to 35% _____
 and 35% to 50% _____

USED CASING THEN

40lb Wt x 30 ft on 2" D.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-2 Loose 0-4 Soft 30+ Hard
 10-30 Med Dense 4-8 M/Soft
 30-50 Dense 8-15 Stiff
 50+ Very Dense 15-30 v. Stiff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-162

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt + 30 Tonn 2" O.D. Sampler		Cohesionless Density		Cohesive Consistency	
D-Dry	C-Cored	A-Airblast	Trace	0 to 10%					
UT-Undisturbed	Thrust		None	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard
TA-Test Pit	A-Auger	Machine Test	Some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	
UT-Undisturbed	Thrust		and	35 to 50%	30-50	Dense	8-15	Stiff	
					50 +	Very Dense	15-30	Stiff	

HOLE NO 12-16

PROJECT NAME Low Level Radiation Invest
REPORT SENT TO above / Bldg
SAMPLES SENT TO Taken at Site

LOCATION Attleboro, Mass.
#5 PROJ NO _____
OUR JOB NO 95-41

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/13/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 10/13/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30"	BIT _____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

1560

CASING THE M

Sample Type

Properties Used

14010 WI - 30' In on 2 70' Samples

D-Dry C-Cored W. 3.5000

trace 0.000%

Coneless Density

Cohesive Consistency

UP: Undisturbed. 1/5/20

1998

0 10 Loose

Q-4 Soft 30 + Hard

Test Pt. A Aug. 2 Wine Test!

some 2010 15%.

10:30 Med Dense

4 - 8 M/Suff

UT - Undisturbed Trenches

and 3510507

30-50 Dense
60+ Very Dense

8-15 Surf
15-30 v-Surf

SUMMARY

Earth Boring 6'

Rock Coring

Samples _____

HOLE NO 12-16

HOLE NO 12-16

7.7mm 0010 0011 0020

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30 ft on 2" O.D. Sampler				
D-Dry	C-Cored	trace	Cohesionless	Density	Cohesive	Consistency	Earth Boring <u>6'</u>
UP	Undisturbed Fusion	fine	0-10	Loose	0-4	Soft	30+ Hard
14" Test Pit	A Auger & Vane Test	some	10-30	Med Dense	4-8	M/Stiff	Rock Coring
UT	Undisturbed Thinwall	and	30-50	Dense	8-15	Stiff	Samples <u>3</u>
			50+	Very Dense	15-30	V-Stiff	

HOLE NO 12-16

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	LINE & STA. _____
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	OFFSET _____
REPORT SENT TO <u>above / Bldg. #5</u>	PROJ NO _____	SURF. ELEV. _____
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	10/14/94
		Size: D _____	3 1/2"	_____	COMPLETE	10/14/94
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS.	_____
		Hammer Fc: _____	30"	_____	BORING FOREMAN	R. Allen
				BIT	INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

GROUND SURF TO

USE: CASING THEN

Sample type

Proportions used

140lb WT x 30 fall on 2 QD Sampler

SUMMARY

D Dry C-Cored W. Aged

price 0 to 10%.

Cohesiveness Density

Cohesive Consistency

Earth Boring 6

and studied Region

1998 010209

Q. 4 Soft 30 + Hard

Rock Coring

Test No. A Auger & Vane Test

some 20 to 35%.

10-30 Med Dense
10-10 Dense

4 8 M/S:!!

Samples 3

of undisturbed thinwall

35 to 50%

50 + Very Dense

8-15 Still
15-30 v. Still

HOLE NO 12-16

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND SURFACE TO		USE		CASING THEN		SUMMARY	
Sample Type	Proportions Used	140lb WT + 30 lb on 2 1/2" Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	Rock Coring	Samples
Dry C Cored W/Asph	none 0% to 100%	0 0 Loose	0 4 Soft	30 + Hard			
UP Undisturbed Water	100% 20% to 20%	0 30 Med Dense	4 8 M/Stiff				
Test Pit A Auger V Vane Test	some 20% to 35%	30 50 Dense	8 15 Stiff				
UT Undisturbed Thawall	and 35% to 50%	50 60 Very Dense	15 30 V-Stiff				

HOLE NO 12-16

HOLE NO. B-12-170
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/14/94	_____
		Size ID _____	3 1/2" _____	_____	COMPLETE 10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

CASING THE N

140lb Wt + 30' fall on 2" O.D. Sampler

Cohesionless Density

0 0 1 case

030 Med Dense

30 50 Dense
50 * Very Dense

0.4 Soft 30 + Hard

8-15 Stiff
15-20 Very Stiff

Earth Boring 6

Samples 3

HOLE NO 12-170

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE T.

USE CASING THEN

14010 Wt = 30 lbs on 2 50 Sampler

Cohesiveness Density

0-2 Loose

030 Med Dense

Cohesive Consistency

04 5011

4 B M/Suff

8 15 51.11
15 30 51.11

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-17

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

SUMMARY
Earth Boring 6
Rock Coring _____
Samples 3

HOLE NO 12-17

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

[illegible]

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>	LINE & STA. _____
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>	OFFSET _____
REPORT SENT TO <u>above / Bldg. #5</u>	PROJ NO _____	SURF. ELEV. _____
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/14/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	_____
				BIT _____	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE T.

USE: ... CASING THEN

Sample Type

Proportions used

140 lb Wt + 30' fall on 2" O.D. Sampler

Cohesionless Density

Cohesive Consistency

D-Dry C Cured A A-1000

1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718

300 Lease

0.4 Soft 30 + Hard

1.4. **Industry Best Practices**

20101597

10 30 Med Dense

4.8 M/SIII

Test Pt. A Sample 1 - 1st test

1510 5032

30 50 Dense
50 100 Very Dense

8-15 Staff

U.S. DISTRICT COURT, SOUTHERN DISTRICT

SUMMARY

Earth Boring 6'

Rock Coring

Samples

HOLE NO 12-17

ROLL NO. 8-22-113
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/14/94	
COMPLETE	10/14/94	
TOTAL HRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

[illegible]

GROUND PLACE TO

Sample Type
 D Dry, C Cured, A Assembled
 CD Undisturbed Joints
 TC Test Piece Assembled w/ Joints
 UT Undisturbed Thruwall

2000

Proportions used	
trace	0 to 10%
low	10 to 20%
same	20 to 35%
high	35 to 50%

ASING THEN

140lb Wt x 30" Pen	on 2" O.D. Sampler
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring	6
Rock Coring	3
Samples	

HOLE NO 12-175

MULR NO. D-14-1/5
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING	THEN	SUMMARY	
Sample Type		Proportions Used	140 lb Wt x 30" fall on 2" O.D. Sampler			
D Dry C Cores W. Auger		Trace 0 to 10%	Cones unless Density	Cohesive Consistency		Earth Boring <u>6'</u>
UP Undisturbed Plug		fine 0 to 20%	0-10 Loose	0-4 Soft	30+ Hard	Rock Boring
TP Test Pit A Auger & Vane Test		some 20 to 35%	10-30 Med Dense	4-8 M/Stiff		Samples <u>3</u>
UT Undisturbed Throw		and 35 to 50%	30-50 Dense	8-15 Stiff		
			50+ Very Dense	15-30 V-Stiff		

HOLE NO 12-170

HOLE NO. B-12-111
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/14/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED "CASING THEN

140lb WT & 30' fall on 2" ID Sampler

Cohesionless Density

010 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

Q-4 Soil 30 + 40rd

4 8 M/S/111

6-15 Sulf

SUMMARY

SUMMARY
Earth Binding 6'

Earth During Rock Coring

Samples 3

HOLE NO 12-177

HOLE NO. B-12-178
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/14/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5' on Sample			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown silty fine SAND & coarse Gravel	1	24	18
		2'-4'	D	"	"	"			Moist, Gray silty fine SAND, trace coarse gravel	2	24	20
		4'-6'	D	"	"	"		6'	Wet, Gray silty fine to medium SAND	3	24	19
									Bottom of Boring 6'			

GROUND SURFACE TO	USED	CASING	THEN	
Sample Type	Proportions Used	140 lb WT x 30 fall on 2 J.D. Sampler		SUMMARY:
0-1 Dry & Cored & Vane test	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
0-1 Undisturbed System	fine 10 to 20%	0-1 Loose	0-4 Soft 30 + Hard	Rock Coring
1-1 Test Pit & Auger & Vane test	same 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
0-1 Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-178

HOLE NO. B-12-179
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

HOLE NO. B-12-180
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/14/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/14/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN <u>J. Medeiros</u>	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

USED _____ CASING THEN _____

140 lb Wt & 30" fall on 2" OD Sampler

Congestionless Density

010 Loose

10-30 Med Dense
10-50 D

30-50 Dense
50+ Very Dense

Cohrsive Consistency

0-4 Soft

4.8 M/Suff

8-15 S.H.H.
15-30 V.S.H.H.

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-180

HOLE NO B-12-181 A
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/14/94	_____
At _____	after _____	Hours	Size ID _____	3 1/2"	_____	COMPLETE 10/14/94	_____
			Hammer Wt _____	300#	_____	TOTAL HRS _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
					BIT _____	INSPECTOR _____	
						SOILS ENGR. _____	

USE:

CASING THEN

D: Dry C: Cored W: Aged

Undisturbed System

TP: Test Pin A Auger & Vane Test

UT = Undisturbed Through

Proportions Used

trace 0.1010%

title	010107a
title	010209a

while	10 to 20%
some	20 to 35%

and 35 to 50%

140lb wt + 30" fall on 2 OD Sampler

Conesionless Density

0 10 Loose

IC 30 Med Dense
32-50 Dense

35-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4.8 M/SIII

8:15 Stiff
15:30 V-Stiff

SUMMARY

Earth Boring 2'

Rock Coring _____

Samples 1

HOLE NO 12-181

HOLE NO. B-12-181 B
LINE & STA _____
OFFSET, _____
SURF. ELEV. _____

[illegible]

4546

CASING THE N

Proportions Used

Proportions Used	Trace	Weight%
100%	100%	100%
90%	90%	90%
80%	80%	80%
70%	70%	70%
60%	60%	60%
50%	50%	50%
40%	40%	40%
30%	30%	30%
20%	20%	20%
10%	10%	10%
0%	0%	0%

11/11/11 11:10:20

none 10 to 20%
some 20 to 45%

and 35 to 50%

140lb Wt + 30 fall on 2 OD Sampler

Coneless Density

0 10 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0 4 Soft

4.8 M/Suff

8-15 5111
5-12 5111

SUMMARY

Earth Boring 2

Rock Coring

Samples

HOLE NO 12-181

SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

MOI F NO12-182

HOLE NO. B-12-183

ADDRESS Attleboro, Mass.

LOCATION Attleboro, Mass.

1 PROJ. NO _____

HOLE NO. B-12-183

LINE & STA. _____

OFFSET _____

SURF. ELEV. _____

GROUND		OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	_____	S/S	_____	START	10/14/94	_____
At _____	after _____ Hours	Size I D _____	_____	_____	3 1/2"	_____	COMPLETE	10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	_____	_____	300#	_____	TOTAL MRS.	_____	_____
		Hammer Fall _____	_____	_____	30"	_____	BORING FOREMAN	J. Medeiros	_____
						BIT	INSPECTOR	_____	_____
							SOILS ENGR.	_____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THE N

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pin A: Auger V: Vane Test

UT: Undisturbed Thinsoll

Proportions Used

Trace (1 to 10%)

title 1020%

some 20 to 35%.

and 35 to 50%

140 lb Wt + 30" fall on 2" O.D. Sampler

Coneless Density

0 30 loose

10 30 Med Dense
10 60 Dense

50 50 Dense
50 + Very Dense

Cohesive Consistency

0 4 Soft

48 M/Siff

8-15 Staff
5-10 M. S. M.

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-18

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ NO. _____
SAMPLES SENT TO Taken at Site OUR JOE NO. 95-41

HOLE NO. B-12-184
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	S/S _____	_____	START 10/14/94	_____
_____	_____	Size ID _____	_____	3 1/2" _____	_____	COMPLETE 10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	_____	300# _____	BIT _____	TOTAL HRS. _____	_____
_____	_____	Hammer Fall _____	_____	30" _____	_____	BORING FOREMAN R. Allen	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USE ()

CASING THEN

Sample Type

Proportions Used

140lb Wt & 30' fall on 2' 00 Sampler

Trace 110110%

Cohesionless Density

Cohesive Consistency

UP - undisturbed piston

1910 13.10.20%

0.4 Soft 30 + Hard

The Test for A Degree & Above Test

same 2010 35%.

10 30 Med Dense

4.8 M/Suff

OF Undisturbed Tissue

and 35 to 50%.

30 50 Dense
40 60 Very Dense

B-15 Stiff
15.20 15.50

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

MOI F NO12-18

EAST PROVIDENCE, R I

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

DATE _____
HOLE NO. B-12-185
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/14/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING THEN

Sample Type

Proportions Used

140lb Wt x 30" fall on 2" O.D. Sampler

D: Dry C: Cored W: Washed

Proportions Used

Cohesionless Density

Cohesive Consistency

UP - Undisturbed Fission

little 10 to 20%

0 10 Loose

0-4 Soft 30 + Hard

TP: Test Pit A: Auger V: Vane Test

some 20 to 35%.

10:30 Med Dense

4-8 M/Stiff

BY Charles E. Smith Plaintiff

1970-1971
1972-1973

30-50 Dense

8-15 Still

SUMMARY.

Earth Boring 6

Rock Coring _____

Samples 3

1015 1012-105

FILE NO. _____
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY _____	
Sample Type		Proportions Used		140lb Wt + 30" fall on 2" O.D. Sampler			
D: Dry C: Cored W: Washed		trace	0 to 10%	Cohesionless Density		Cohesive Consistency	Earth Boring _____ 6
UP: Undisturbed Piston		little	10 to 20%	0-10 Loose		0-4 Soft 30 + Hard	Rock Coring _____
TP: Test Pit A: Auger V: Vane Test		some	20 to 35%	10-30 Med Dense		4-8 M/Stiff	Samples _____ 3
UT: Undisturbed Thinwall		and	35 to 50%	30-50 Dense		8-15 Stiff	
				50 + Very Dense		15-30 V-Stiff	

HOLE NO12-191

FILE NO. M-66-276
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/15/94	_____
COMPLETE	10/15/94	_____
TOTAL MRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THEN

Sample Type
D: Dry C-Cored W: As-Spined
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30 fall on 2 O.D. Sampler	
Cohesiveness Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring	6
Rock Coring	
Samples	3

HOLE NO 12-192

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____	CASING THEN _____		SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30" tall on 2 O.D. Sampler			
			Cohesionless Density	Cohesive Consistency		Earth Boring _____
D: Dry	C: Cored	W: Washed	0-10 Loose	0-4	Soft	30 + Hard
UP: Undisturbed Piston			10-30 Med Dense	4-8	M/Shift	Rock Coring _____
TP: Test Pit	A: Auger	V: Vane Test	30-50 Dense	8-15	Stiff	Samples _____
UT: Undisturbed Thinwall			50+ Very Dense	15-30	V. Stiff	

HOLE NO 12-19

HOLE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		"CASING THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt + 30" fall on 2" O.D. Sampler			
				Cohesionless Density		Cohesive Consistency	
D: Dry	C: Cored	W: Washed	trace	0 to 10%	0-10 Loose	0-4 Soft	30 + Hard
UP: Undisturbed	F: Piston		little	10 to 20%	10-30 Med Dense	4-8 M/Stiff	
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	30-50 Dense	8-15 Stiff	
UT: Undisturbed	Thinwall		and	35 to 50%	50 + Very Dense	15-30 V-Stiff	
						Earth Boring	
						Rock Coring	
						Samples	

HOLE NO 12-19

HOLE NO. B-12-19
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	S/S	_____	START 10/15/94	_____
_____	_____	Size: D _____	_____	3 1/2"	_____	COMPLETE 10/15/94	_____
At _____	after _____ Hours	Hammer Wt _____	_____	300#	BIT	TOTAL HRS. _____	_____
_____	_____	Hammer Fall _____	_____	30"	_____	BORING FOREMAN P. Vieira	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

USED _____ CASING THEN

140lb Wt x 30" fall on 2' O D Sampler

Cohesive Consistency

0.4 Soft 30 + Hard

4-B M/Siff

8-15 Stiff
15-20 Very Stiff

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-19

HOLE NO. D-12-150
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2 O.D. Sampler			
				Cohesionless Density	Cohesive Consistency		
D: Dry	C: Cored	W: Washed	trace	0 to 10%	0-10 Loose	0-4 Soft	30+ Hard
UP: Undisturbed Piston			little	10 to 20%	10-30 Med Dense	4-8 M/Shift	
TP: Test Pit		A: Auger	some	20 to 35%	30-50 Dense	8-15 Stiff	
V: Vane Test			and	35 to 50%	50+ Very Dense	15-30 V-Stiff	
UT: Undisturbed Thinwall							

Earth Boring 6
 Rock Coring _____
 Samples 3

HOLE NO 12-19

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt + 30 fall on 2" O.D. Sampler					
D-Dry C-Cored W-Washed		Trace	0 to 10%	Cohesionless Density	Cohesive Consistency			Earth Boring	6'
UP - Undisturbed Piston		little	10 to 20%	0-10 Loose	0-4 Soft	30 + Hard		Rock Coring	
TP - Test Pit - A Auger - V - Zone Test		some	20 to 35%	10-30 Med Dense	4-8 M/Stiff			Samples	3
UT - Undisturbed Thinwall		ind	35 to 50%	30-50 Dense	8-15 Stiff			HOLE NO 12-1	
				50 + Very Dense	15-30 v-Stiff				

HOLE NO. B-12-170
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USEC

CASING THEN

Proportions Used

Proportions Used
None 0.16181

Male 0.1610%

none	10 to 20%
some	10 to 15%

30004	207030%
1001	351050%

on 200 Sampler

0 0 Loose

10-30 Med Dense

30 50 Dense
60 100 200

0.4 Soft

4-B M/Suff

0-15 5111

SUMMARY:

Earth Boring

Earth Diving _____
Rock Caving _____

Samples _____

HOLE NO 12-198

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/15/94	_____
			Size I D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

CASING THEN

140lb Wt & 30' fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30' + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

Earth Boring 6
Rock Coring 3
Samples 3

HOLE NO 12-195

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

SUMMARY

Earth Boring	6
Rock Coring	3
Samples	3

HOLE NO 12-200

HOLE NO. B-12-201
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/15/94	_____
		Size: D _____	3 1/2" _____	_____	COMPLETE 10/15/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS _____	
		Hammer Fcl _____	30" _____	_____	BORING FOREMAN P. Vieira	
					INSPECTOR _____	
					SOILS ENGR _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drying time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dark Brown medium SAND, some gravel	1	24	12
		2'-4'	D	"	"	"			Yellowish fine to medium SAND, some gravel	2	24	11
		4'-6'	D	"	"	"			" "	3	24	1
								6'	Bottom of Boring 6'			

GROUND WIRE TO

list :

"ASING THEN

Sample Type
 C Dry C Cored W. A. 1000
 UP Undisturbed Outcrop
 EP Test Pit A. 1000
 JT Undisturbed Thinwall

Properties used

trace	0% to 10%
sine	10% to 20%
some	20% to 45%
and	45% to 50%

40lb Wt x 30" for on 2" 50 Sampler	
Cohesiveness Density	Cohesive Consistency
0-20 Loose	0-4 Soft
20-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V. Stiff

SUMMARY

Earth Boring _____ 6
Rock Coring _____
Samples _____ 1

HOLE NO 12-201

HOLE NO. B-12-202
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

Sample Type

D-Dry C-Corroded * Susceptible

Un-Confidential Boston

TP-Test Pt. A Aug. v. June Test

U1 Undisturbed Thawout

1581

Proportions Used

100% 100%

1111e 01c20%

sum 20 to 15%

and 35 to 50%.

CASING THEN

140lb WT - 30 Gallon 2" O.D. Sampler

Coneless Density

010 1038

10:30 Med Dense
10:40 Dense

50 + Very Dense

Cohesive Consistency

Q 4 Soft 30 + word

4-A M/Sht!

5. 30 - Side

SUMMARY

Earth Boring

Rock Coring _____

Samples _____

HOLE NO 12-202

HOLE NO. B-12-203
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/15/94	
COMPLETE	10/15/94	
TOTAL HRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dark Brown medium SAND, some gravel	1	24	24
		2'-4'	D	"	"	"			Brown medium SAND, some asphalt layers, some gravel	2	24	20
		4'-6'	D	"	"	"		6'	Brown medium SAND, some gravel, little gray fine sand	3	24	12
									Bottom of Boring 6'			

GRADING SURFACE TO		USED	COASING THEN		SUMMARY	
Sample Type		Proportions Used	140lb WT + 30 gallon 2:1:1 Sampler			Earth Boring 6
0 Dry 0 Cored W. Water		trace 0 to 10%	Cohesionless Density	Cohesive Consistency		Rock Coring
0% Undisturbed Disturb		fine 0 to 20%	0-10 Loose	0-4 Soft 40 + Hard		Samples 3
1% Test Pit A Auger V. Fine Test		same 20 to 35%	10-30 Med Dense	4-8 M/Stiff		
0% Undisturbed In situ		and 35 to 50%	30-50 Dense	8-15 Stiff		
			50 + Very Dense	15-30 V-Stiff		

HOLE NO 12-203

MOLE NO. B-12-204
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S _____	_____	START 10/15/94	_____
			Size: D _____	3 1/2" _____	_____	COMPLETE 10/15/94	_____
At _____	after _____	Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
			Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30' fall on 2" O.D. Sampler		
D-Dry C Cores W. A. S. S.	none 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring 6'
UP Undisturbed Piston	fine 10 to 20%	0 0 Loose	0-4 Soft 30 + Hard	Rock Coring
TP Test Pit A Auger & Vane Test	same 20 to 35%	10 30 Med Dense	4-8 M/Stiff	Samples 3
UT Undisturbed Thinwall	and 35 to 50%	30 50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-20

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above Bldg. # 5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/15/94	_____
		Size i D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
				BIT _____	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO	USED	CASING	THEN
100	100	100	100
200	200	200	200
300	300	300	300
400	400	400	400
500	500	500	500
600	600	600	600
700	700	700	700
800	800	800	800
900	900	900	900
1000	1000	1000	1000

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Fission

TF: Test Pin A Auger v. Vane test

UT Undistorted Throwall

Proportions Used

trace 0 to 10%

none	0 to 10%
little	10 to 20%

none	10 to 20 %
some	20 to 35 %

35 to 50%

40 lb WT x 30' fall on 2" O.D. Sampler

Cohesionless Density

C :O Loose

10:30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

O-4 Soft

4.8 M/Siff

8-15 Shift
15-10 V-SMA

SUMMARY

Earth Boring

Rock Coring

Samples _____

HOLE NO 12-20

HOLE NO. B-12-200
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/15/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Dry, Brown fine to medium SAND & coarse Gravel, trace silt	1	24	1
		2'-4'	D	"	"	"			Moist, Gray silty fine SAND trace coarse gravel	2	24	1
		4'-6'	D	"	"	"		6'	Wet, Dark Gray silty fine SAND & coarse Gravel	3	24	1
									Bottom of Boring 6'			

USED

"CASING THEN

Proportions Used

140lb Wt x 30" fall on 2" O.D. Sampler

Trace 0.1010%

Cohesionless Density

Cohesive Consistency

SUMMARY:
Earth Boring 6'

Time 10 to 20%

0 10 Loose

0-4 Soft 30 + Hard

Rock Coring _____

same 20 to 35%

10:30 Med Dense
10:50 Dense

4-8 M/Siff

Samples 3

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

HOLE NO 12-20

HOLE NO. B-12-207
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/15/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN <u>P. Vieira</u>	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

CASING THEN

HOLE NO 12-207

HOLE NO. B-12-208
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/15/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
			Hammer Wt _____	300#	_____	TOTAL HRS. _____	
At _____	after _____	Hours	Hammer Fall _____	30"	BIT _____	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

HOLE NO 12-20

HOLE NO 12-20

LOCATION OF BORING

[illegible]

GROUND SURFACE TO	USED	"CASING THEN	
Sample Type	Proportions Used	140lb Wt. & 30" fall on 2" O.D. Sampler	SUMMARY:
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density	Earth Boring 6
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Shift
UT: Undisturbed Throwall	and 35 to 50%	30-50 Dense	8-15 Stiff
		50+ Very Dense	15-30 V. Stiff
			HOLE NO 12-210

HOLE NO. B-12-211
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30' fall on 2' O.D Sampler					
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring
UP: Undisturbed	Piston		little	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Sluff	Rock Coring
UT: Undisturbed	Thinwall		and	35 to 50%	30-50	Dense	8-15	Sluff	Samples
					50 +	Very Dense	15-30	v. Sluff	

HOLE NO 12-21

HOLE NO. B-12-212
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/15/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
				BIT _____	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

Sample Type

UP: Undisturbed Fission

TF: Test Pit A: Auger V: Vane test

UT: Undisturbed Thinwall

Proportions Used

Income 0 to 10%.

title 10 to 20%

some 20 to 35%

and 35 to 50%

USE D

"CASING.

THEN

140lb Wt. & 30" fall on 2' O.D. Sampler

Cohesionless Density

0 10 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

Q-4 Soft

4-8 M/Stiff

8-15 Sulf
15-30 V-Sulf

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-212

HOLE NO. B-12-213
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/15/94	_____
		Size i D _____	3 1/2"	_____	COMPLETE 10/15/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED CASING THEN

Proportions Used

Trace 01010%

10 to 20%

same 20 to 35%

and 35 to 50%

140lb WI x 30 fall on 2' O.C. Sampler

Cohesionless Density

0 10 Loose

10-30 Med Dense

30-50	Dense
50-100	Very Dense

Cohesive Consistency

Q-4 Sol:

4-8 M/Shift

8-15 Staff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-21

TO Texas InstrumentsADDRESS Attleboro, Mass.PROJECT NAME Low Level Radiation InvestLOCATION Attleboro, Mass.REPORT SENT TO aboveBldg. #5

PROJ NO

SAMPLES SENT TO Taken at SiteOUR JOB NO. 95-41HOLE NO. B-12-214

LINE & STA.

OFFSET

SURF. ELEV.

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

Type

CASING

SAMPLER

CORE BAR

At _____ after _____ Hours

Size: D

Hammer Wt

Hammer Fall

S/S

3 1/2"

300#

30"

BIT

Date

Time

START 10/16/94COMPLETE 10/16/94

TOTAL MRS.

BORING FOREMAN J. Medeiros

INSPECTOR

SOILS ENGR.

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From	To					No	Pen	Re
		0'-2'	D	Blows not	Taken				Brown SAND & Gravel	1	24"	2'
		2'-4'	D	"	"	"			" "	2	24"	1'
		4'-6'	D	"	"	"			Gray silty fine SAND	3	24"	1'
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Throwall

Proportions Used

trace 0 to 10%

little 10 to 20%

some 20 to 35%

much 35 to 50%

140 lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Stiff

8-15 Stiff

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3HOLE NO 12-214

MOI F NO12-215

HOLE NO. B-12-216
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/16/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 10/16/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

trace 0 to 10%

time 10 to 20%

some 201e35%

and 3510570/

140lb Wt x 30" fall on 2' O D Sampler

Cohesionless Density

() 10 Loose

10:30 Med Dense

50-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Stiff

8-15 Stiff
15-20 M. Soft

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-216

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____		USED _____		"CASING THEN _____		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2 O.D. Sampler			
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
UP: Undisturbed	Piston		little	10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring _____
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30 Med. Dense	4-8 M/Shift	Samples <u>3</u>
UT: Undisturbed	Thin soil		and	35 to 50%	30-50 Dense	8-15 Stiff	
					50-60 Very Dense	15-20 Very Stiff	

HOLE NO 12-217

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed fission

IP: Test Pin A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

Trace 0.1010%

Full	0 to 10%
Little	10 to 20%

some	2010 35%
------	----------

and 351050%

140lb Wt x 30" fall on 2' O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

50 + Very Dense

on 2 OD Sampler
Cohesive Consistency

Q-4 Soft

4.8 M/Stiff

8-15 Stiff

15-30 V-Staff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-218

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING" THEN _____			
Sample Type		Proportions Used		140IBW x 30" fall on 2" O.D. Sampler		SUMMARY	
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring _____ 6'
UP: Undisturbed	F: Friction		little	10 to 20%	0-10 Loose	0-4 Soft	30 + Hard
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30 Med Dense	4-8 M/Stiff	Rock Coring _____
UT: Undisturbed	Th: Thinwall		and	35 to 50%	30-50 Dense	8-15 Stiff	Samples _____ 3
					50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-219

TIME TO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/16/94	8:00
COMPLETE	10/16/94	8:30
TOTAL MRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR		
SOILS ENGR.		

[illegible]

HOLE NO 12-22

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	<u>10/16/94</u>	<u> </u>
COMPLETE	<u>10/16/94</u>	<u> </u>
TOTAL HRS.		
BORING FOREMAN	<u>R. Allen</u>	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING

THEN

Sample Type

Proportions Used

140 lb wt x 30' fall on 2" O.D. Sampler

SUMMARY

O-Dry C Cored W Ashed

100% 0.1010%

Cohesionless Density

Cohesive Consistency

Earth Boring 6'

U⁰: Undisturbed piston

1110 10.20%

0 10 Loose

0-4 Soft 30 + Hard

Rock Coring _____

TP: Test Pt A: Auger V: Vane Test

none	2010 7%
some	2010 35%

10-30 Med Dense

4.8 M/SII

Samples 3

UT - Undisturbed Thinwall

2017A	2.010337%
2017B	3.510509%

30 50 Dense
50 100 Very Dense

8-15 SM

HOLE NO 12-221

FILE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		"CASING THEN			
Sample Type		Proportions Used		140lb Wt. x 30" fall on 2" O.D. Sampler		SUMMARY:	
D: Dry	C: Cored	W: Washed	Trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP: Undisturbed	Piston	little	10 to 20%	0-10 Loose	0-4 Soft	30 + Hard	Rock Coring
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT: Undisturbed	Thinwall	and	35 to 50%	30-50 Dense	8-15 Stiff		
				50 + Very Dense	15-30 V-Stiff		

HOLE NO 12-222

LINE NO. 11-26-66
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING	THEN	SUMMARY	
Sample Type	Proportions Used	140lb Wt x 30' fall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	
D: Dry C: Cored W: Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30+ Hard	Rock Coring	6
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff		Samples	3
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff			
UT: Undisturbed Thinwall	and 35 to 50%	50+ Very Dense	15-30 V-Stiff			

HOLE NO12-223

HOLE NO. B-12-224
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ Hours	Type _____	S/S	_____	START 10/16/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 10/16/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL MRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO12-224

HOLE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

SUMMARY
Earth Boring _____ 6'
Hole Boring _____
Samples _____ 3

HOLE NO 12-22

HOLE NO. D-42-220
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING												
DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sample			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken			Wet	6'	Dark Brown medium SAND, some gravel	1	24	2
		2'-4'	D	"	"	"			Yellowish fine SAND, Cobble	2	24	1
		4'-6'	D	"	"	"			Gray fine to medium SAND, some gravel	3	24	
									Bottom of Boring 6'			

GROUND SURFACE TO _____		USED _____	CASING THEN _____		SUMMARY _____	
Sample Type	Proportions used	40lb Wt + 30' fall	on 2 D.L. Sampler			
		Cohesionless Density	Cohesive Consistency			
D Dry & Cored Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard		Earth Boring _____ 6
UP Undisturbed Piston	fine 0 to 20%	10-30 Med Dense	4-8 M/Stiff			Rock Coring _____
TS Test Pit - A Auger - Cone Test	same 20 to 35%	30-50 Dense	8-15 Stiff			Samples _____ 3
UT Undisturbed Thawed	and 35 to 50%	50 + Very Dense	15-30 v. Stiff			HOLE NO 12-22

HOLE NO.
 LINE & STA.
 OFFSET
 SURF. ELEV.

	Date	Time
START	10/16/94	
COMPLETE	10/16/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

[illegible]

USC:

CASING THEN

properties used	
more than 50%	
the 20 to 50%	
same 20 to 35%	
and 35 to 50%	

140lb Wt x 30' fall on 2" O.D. Sampler	
Frictionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring _____
Rock Coring _____
Samples _____

HOLE NO 12-227

RULE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING	THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt + 30 fall on 2 0.0 Sampler			
D-Dry C-Cored W-Airshot		trace (1) to 10%	Cohesionless Density	Cohesive Consistency		Earth Boring <u>6'</u>
UP Undisturbed Piston		little (1) to 20%	0-30 Loose	0-4 Soft 30 + Hard		Rock Coring
TP Test Pit A Auger V-Vine Test		some 20 to 35%	0-30 Med Dense	4-8 M/Stiff		Samples <u>3</u>
UT Undisturbed Thinwall		and 35 to 50%	30-50 Dense	8-15 Stiff		
			50 + Very Dense	15-30 V-Stiff		

HOLE NO 12-228

FILE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2" O.D. Sampler			
D: Dry	C: Cored	A: Auger	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>4.2'</u>
UT: Undisturbed	Thin	Test Pit	little	10 to 20%	0-10 Loose	0-4 Soft	30+ Hard
A: Auger	V: Vane Test	same	20 to 35%	10-30 Med Dense	4-8 M/Stiff		Rock Coring
UT: Undisturbed	Thinwall	and	35 to 50%	30-50 Dense	8-15 Stiff		Samples <u>3</u>
				50+ Very Dense	15-30 V-Stiff		HOLE NO 12-229

HOLE NO. 2-44-430
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-230

HOLE NO. B-12-231
LINE & STA _____
OFFSET _____
SURF ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/16/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 10/16/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	
			Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	
						INSPECTOR _____	
						SOILS ENGR. _____	

DEPTH	Casing Blows per 100'	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown to Gray fine SAND & medium to coarse Gravel, trace silt	1	24"	22
		2'-4'	D	"	"	"			Moist, Dark Gray silty fine SAND & coarse Gravel	2	24"	20
		4'-6'	D	"	"	"		6'	Moist, Grayish Brown silty fine SAND & coarse Gravel	3	24"	15
									Bottom of Boring 6'			

CASE NO. 1-46 N

401b WT + 30-ton on 2nd Floor Sampler

Unless Density | Cohesive Consistency

Close	04	Soft
-------	----	------

10. Med Dense	4.8 M/Sht
---------------	-----------

10	Dense	8 15	Soft
11	Dense	8 15	Soft

Fourth Bureau 61

Samples _____

NOLE NO 12-231

HOLE NO 12-231

HOLE NO. D-44-433
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb WT & 30 ft on 2" O.D. Sampler					
D-Dry C Cores W/ Wash	trace	0 to 10%	Cohesionless Density		Cohesive Consistency			Earth Boring	2
DR Undisturbed Piston	little	10 to 20%	0-10 Loose		0-4 Soft	30 + Hard		Rock Coring	
TR Test Pit - A Auger - Volume Test	some	20 to 35%	10-30 Med Dense		4-8 M/Stiff			Samples	1
QT Undisturbed Thinwall	and	35 to 50%	30-50 Dense		8-15 Stiff			HOLE NO 12-233	
			50 + Very Dense		15-30 V-Stiff				

HOLE NO. B-12-234
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/16/94	_____
At _____	after _____ Hours	Size ID _____	3 1/2" _____	_____	COMPLETE 10/16/94	_____
		Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____	30" _____		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USFO

"CASING THEN

Proportions Used	
none	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2 O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6
Rock Coring _____
Samples 3

HOLE NO 12-23

HOLE NO. B-12-235
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO	USED	"CASING THEN

Sample Type	Proportions Used	140lb Wt x 30 fall on 2" O.D. Sampler	SUMMARY
D: Dry C-Cored W: Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP: Undisturbed Piston	fine 10 to 20%	0-10 Loose	Rock Coring _____
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UF: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Shift	
		8-15 Shift	
		15-30 V-Shift	

HOLE NO 12-233

HOLE NO. B-12-236
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/16/94	_____
		Size: D _____	3 1/2" _____	_____	COMPLETE 10/16/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED "CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler	
Coneless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-2

HOLE NO. B-12-237
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/16/94	8:11
			Size I D _____	3 1/2"	_____	COMPLETE 10/16/94	9:11
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D Sampler	SUMMARY:
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UD - Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring <u> </u>
TP - Test Pit A - Auger V - Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT - Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V. Stiff	

HOLE NO 12-23

HOLE NO. B-12-238
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

CASING	SAMPLER	CORE BAR
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Type

Size, D

Hammer Wi

Hammer Fall

S/S

3½'

3004

30''

CORE BAR

BIT

	<u>Date</u>	<u>Time</u>
START	10/16/94	8:00
COMPLETE	10/16/94	8:00
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

USED

CASING THEN

Proportions Used

D: Dry C: Cored W: Wet

Trace 0.1010%

UP - Undisturbed piston

10 to 20%

TP: Test Pt A Auger V-Vane Test

same 2010 35%

UT: Undisturbed Thinwall

35 to 50%

140lb Wt x 30' fall on 2 O.D. Sample,

Cohesionless Density

0 10 Loose

10 30 Med Dense

30-50 Dense

Cohesive Consistency

0-4 Soft

4-8 M/Suff

8-15 Staff

SUMMARY

Earth Boring 2.5'

Rock Coring

Samples

HOLE NO 12-238

HOLE NO. B-12-239
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/17/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 10/17/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30"	BIT _____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

USED "CASING THEN

Proportions Used

PROPORTIONS USED
Kerosene 11.100%

Price 0.1010-70
 10 to 20%

same	20 to 35%
------	-----------

and 35 to 50%

Cohesionless Density

0 10 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft

4.8 M/Suff

8-15 5:11
15-10 5:11

SUMMARY:

SUMMARY
Earth Boring 6'

Earth Burying _____
Rock Coring _____

Samples 3

HOLE NO12-239

HOLE NO. B-12-240
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 10/17/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 10/17/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt + 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring 6

Rock Coring 3

Samples 3

HOLE NO12-24C

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. # 5 PROJ NO _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

DATE _____
 HOLE NO. B-12-241
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START <u>10/17/94</u>	_____
At _____	after _____ Hours	Size ID _____	3 1/2"	_____	COMPLETE <u>10/17/94</u>	_____
		Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"		BORING FOREMAN <u>J. Medeiros</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	2
		2'-4'	D	"	"	"			" "	2	24	1
		4'-6'	D	"	"	"			" "	3	24	1
								6'	Bottom of Boring 6'			

GROUND SURFACE TO _____

USED _____ "CASING" THEN _____

Sample Type

D: Dry C: Cored W: Washed
 UP: Undisturbed Piston
 TP: Test Pit A: Auger V: Vane Test
 UT: Undisturbed Thinwall

Proportions Used

trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 much 35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density Cohesive Consistency

0-10 Loose 0-4 Soft 30+ Hard
 10-30 Med Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff

SUMMARY

Earth Boring 6
 Rock Coring 3
 Samples 3

[illegible]

GROUND SURFACE TO		USED	CASING	THEN	SUMMARY	
Sample Type	Proportions Used	140lb Wt	30" fall on 2 O.D. Sampler			
D: Dry C-Cored W: Washed	trace 0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring <u>6</u>
UP: Undisturbed Piston	little 10 to 20%	0 10	Loose	0-4	Soft 30 + Hard	Rock Coring
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10 30	Med Dense	4-8	M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30 50	Dense	8-15	Stiff	
		50 +	Very Dense	15-30	V-Stiff	

MOLE NO 12-24

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

DATE _____
HOLE NO. B-12-245
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/17/94	_____
		Size: O _____	3 1/2"	_____	COMPLETE 10/17/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	BIT	BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type
D: Dry C: Cored W: Washed
UD: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff

SUMMARY	
Earth Boring	6
Rock Coring	
Samples	3

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

[illegible]

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-246

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		"CASING THEN		SAMPLER		SUMMARY:	
Sample Type		Proportions Used		140lb Wt & 30" fall on 2" O.D.					
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring
UP: Undisturbed	Piston	little	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard	Rock Coring
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	Samples
UT: Undisturbed	Thinwall	and	35 to 50%	30-50	Dense	8-15	Stiff		
				50 +	Very Dense	15-30	V-Stiff		

HOLE NO 12-24

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEM

140lb Wt. x 30" fall on 2" O D Sampler

Cohesionless Density

0 10 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Very Dense

Earth Boring

Rock Coring _____

Samples 3

HOLE NO 12-241

HOLE NO. B-12-249
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/17/94	_____
COMPLETE	10/17/94	_____
TOTAL MRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR	_____	
SOILS ENGR.	_____	

USED "CASING THEN

Proportions Used

Trace 0 to 10%

little 10 to 20%

some 20 to 35%

and 35 to 50%

Cohesive Consistency

O-4 Soft

4-8 M/Stiff

8-15 Shift
15-30 V-SHIFT

SUMMARY

Earth Boring 6

Rock Coring

Samples _____

HOLE NO 12-249

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt & 30' fall on 2" O.D. Sampler					
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring
UP: Undisturbed	F: Fiston		little	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	Rock Coring
UT: Undisturbed	Thinwall		and	35 to 50%	30-50	Dense	8-15	Stiff	Samples
					50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-250

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

USED _____ CASING THEN

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-251

HOLE NO 12-251

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/18/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/18/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fcl. _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

GROUND SURFACE TO _____		(USED) _____		"CASING THEN _____			
Sample Type		Proportions Used		140lb Wt x 30" fall on 2 O.D. Sampler		SUMMARY	
				Cohesionless Density		Cohesive Consistency	
D: Dry	C: Cored	W: Washed		0-10	Loose	0-4	Soft 30+ Hard
UP: Undisturbed	Piston		trace 0 to 10%	10-30	Med Dense	4-8	M/Stiff
TP: Test Pit	A: Auger	V: Vane Test	little 10 to 20%	30-50	Dense	8-15	Stiff
UT: Undisturbed	Thinwall		some 20 to 35%	50+	Very Dense	15-30	V-Stiff
			and 35 to 50%				

Earth Boring 5'6"

Rock Coring _____

Samples 3

HOLE NO 12-252

HOLE NO. B-12-253
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/18/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/18/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

USED _____ CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring _____
Rock Coring _____
Samples _____ 3

HOLE NO 12-253

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Rldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/18/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/18/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>J. Medeiros</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	1
		2'-4'	D	"	"	"			" "	2	24	8
		4'-6'	D	"	"	"			" "	3	24	1
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USFO

CASING THEN

Sample Type

Proportions Used

140lb Wt & 30' fall on 2" O.D. Sampler

D - Dry C - Cored W - Washed

trace 0:0:0%

Cohesionless Density

Cohesive Consistency

UP: Undisturbed Piston

10/10/20%

0 10 Loose

0-4 Soft 30 + Hard

TP= Test Pt. A= Answer V= Value Test

some 20 to 35%.

10:30 Med Dense

4-8 M/Suff

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

SUMMARY:

Earth Boring 61

Rock Coring _____

HOLE NO 12-25

HOLE NO. D-14-433
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt + 30" Fall on 2" O.D. Sampler		
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring 6'
UP: Undisturbed Piston	little 10 to 20%	0-0 Loose	0-4 Soft 30 + Hard	Rock Coring
TP: Test Pit A Auger V Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples 3
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-25

HOLE NO. B-12-420
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

UT - Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Saff
15-30 V-Saff

Samples 3

HOLE NO 12-25

HOLE NO. D-16-671
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

USED "CASING THEN

Proportions Used

Trace 0 to 10%

little	10 to 20%
--------	-----------

some 2010 35%.

and 35 to 50%

Cohesionless Density

D-4 Soft

4-8 M/Soft

8-15 Staff

15-30 V-Stiff

Earth Boring

Samples _____

no. 5 vol. 1

HOLE NO 12-257

HOLE NO. B-14-239
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY:	
Sample Type		Proportions Used		140lb Wt. x 30" fall on 2" O.D. Sampler			
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless	Density	Cohesive
UP: Undisturbed	Piston	little	10 to 20%	0-10	Loose	0-4	Soft
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8
UT: Undisturbed	Thinwall	and	35 to 50%	30-50	Dense	8-15	Stiff
				50+	Very Dense	15-30	V-Stiff
						30+	Hard
						Earth Boring	6
						Rock Coring	
						Samples	3
						HOLE NO 12-25	

HOLE NO B-14-437
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type	Proportions Used	140lb Wt x 30' fall on 2" O.D. Sampler	SUMMARY
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UF Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring
TP Test Pit A Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-25

HOLE NO. B-12-260
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/22/94	_____
			Size - D _____	3 1/2"	_____	COMPLETE 10/22/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Foli _____	30"	_____	BORING FOREMAN J. Medeiros	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

115F12

CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Epsilon

TP: Test Pt A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

trace 0.1010%

the 10 to 20%

some 20 to 35%.

and 35 to 50%.

140lb WI x 30' tall on 2' O.D. Sampler

Cohesionless Density | Cohesive Consistency

000 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft

4.8 M/Siff

8-15 Staff
15-30 v. Staff

SUMMARY

Earth Boring

Rock Coring

Samples

HOLE NO 12-260

HOLE NO. D-14-201
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/22/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/22/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

USED	
Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

CASING		THEN	
140lb Wt x 30" fall on 2 O.D. Sampler			
Cohesionless Density		Cohesive Consistency	
0-10	Loose	0-4	Soft 30 + Hard
10-30	Med Dense	4-8	M/Stiff
30-50	Dense	8-15	Stiff
50 +	Very Dense	15-30	V-Stiff

SUMMARY:
Earth Boring _____
Rock Coring _____
Samples _____

HOLE NO 12-26

HOLE NO. D-42-404
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/23/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/23/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

USED

CASING

THEN

Proportions Used

140lb Wt. x 30' fall on 2' O.D. Sampler

SUMMARY

trace 01010%

Cohesionless Density

Cohesive Consistency

Earth Boring

little 10 to 20%

0 10 Loose

0.4 Soft

Rock Coring

some 20 to 35%

10-30 Med Dense
10-60 Dense

4-8 M/Siff
9-15 6-14

Samples _____

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

HOLE NO 12-26

HOLE NO. B-12-263
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/23/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/23/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY _____			
Sample Type		Proportions Used		140lb Wt + 30" fall on 2" O.D. Sampler					
				Cohesionless Density		Cohesive Consistency			
D: Dry	C: Cored	W: Washed	trace	0 to 10%	0-10	Loose	0-4	Soft	30 + Hard
UP: Undisturbed Piston		little	10 to 20%	10-30	Med Dense	4-8	M/Stiff		
TP: Test Pit		A: Auger	V: Vane Test	some	20 to 35%	30-50	Dense	8-15	Stiff
UT: Undisturbed Thinwall		und	35 to 50%	50 +	Very Dense	15-30	V-Stiff		

Earth Boring 6
 Rock Coring _____
 Samples 3

HOLE NO 12-26

TO Texas Instruments ADDRESS Attleboro, Mass. HOLE NO. B-12-264
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
 REPORT SENT TO above Bldg. # 5 PROJ. NO. _____ OFFSET _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ Hours	Type _____	Auger	S/S	_____	START	10/24/94
At _____ after _____ Hours	Size: D _____	_____	3 1/2"	_____	COMPLETE	10/24/94
	Hammer Wt _____	_____	300#	BIT	TOTAL MRS.	
	Hammer Fall _____	_____	30"	_____	BORING FOREMAN	R. Allen
					INSPECTOR	
					SOILS ENGR.	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & med. to coarse Gravel, tr. silt	1	24"	1
		2'-4'	D	"	"	"			Dry, Brown fine SAND, trace coarse gravel, trace wood	2	24"	1
		4'-6'	D	"	"	"			Dry, Brown fine SAND & medium to coarse Gravel, trace silt	3	24"	1
		6'-8'	D	"	"	"			Pushed Cobble	4	24"	-
		8'-10'	D	"	"	"			Dry, Light Brown fine SAND & coarse Gravel, tr. silt	5	24"	1
		10'-12'	D	"	"	"			Moist, Brown Gray silty SAND, trace coarse gravel	6	24"	2
		12'-14'	D	"	"	"			Dry, Brown Gray silty SAND & coarse Gravel	7	24"	2
		14'-15'	D	"	"	"			" "	8	12"	1
								15'				
									Bottom of Boring 15'			

GROUND SURFACE TO _____

USED _____ CASING THEN _____

Sample Type
 D-Dry C-Cored W-Wash
 UP-Undisturbed Piston
 TP-Test Pit A-Auger V-Vane test
 UT-Undisturbed Thinwall

Proportions Used
 trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-10 Loose 0-4 Soft 30+ Hard
 10-30 Med Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff
 50+ Very Dense 15-30 V-Stiff

SUMMARY
 Earth Boring 15'
 Rock Coring _____
 Samples 8

HOLE NO 12-26

TO Texas Instruments ADDRESS Attleboro, Mass. HOLE NO. 8-12-283
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
REPORT SENT TO above Bldg. #5 PROJ NO. _____ OFFSET _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ Hours	Type _____	S/S	_____	START 10/24/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/24/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>Vieira & Al</u>	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING THEN

Sample Type

D: Dry C: Cored W: Wet

U^0 : Undisturbed fission

TP = Test Pit A = Auger V = Vane Test

UT: Undisturbed Thinwall

Proportions Used

Trace 0.1010%

time 10 to 20%.

some 20 to 35%

and 35 to 50%.

140lb Wt x 30" fall on 2" O D Sampler

Cohesionless Density | Cohesive Consistency

0 10 Loose

10:30 Med Dense

50-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Suff

8-15 Stiff
15-30 V-Stiff

SUMMARY

Earth Boring 16'

Rock Coring _____

Samples 8

HOLE NO 12-26

HOLE NO. B-12-266
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	10/24/94
		Size: D _____	3 1/2"	_____	COMPLETE	10/24/94
		Hammer Wt _____	300#	_____	TOTAL HRS.	_____
At _____	after _____ Hours	Hammer Foli _____	30"	BIT	BORING FOREMAN	J. Medeiros
					INSPECTOR	_____
					SOILS ENGR.	_____

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt & 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring 6

Rock Coring 3

Samples 3

HOLE NO 12-26

HOLE NO. B-12-267
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/24/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/24/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

USED _____ CASING THEN _____

UT - Undisturbed Through

and 35 to 50%

30-50 Dense
50+ Very Dense

8:15 Still
15:30 V-S-M-A

Samples 2

HOLE NO 12-26:

HOLE NO. B-12-268
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____	CASING _____	THEN _____	SUMMARY _____	
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	Rock Coring
D: Dry C: Cored W: Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard		
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff			
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff			
UT: Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff			

SAMPLES 3

HOLE NO 12-26

HOLE NO. B-12-269
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/24/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/24/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Fission

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

trace 0.010%

title	10 to 20%
-------	-----------

ne 20 to 35%

and 35 to 50%.

140lb WT x 30" fall on 2' O D Sampler

Cohesionless Density

0-10 Loose

10:30 Med Dense

30-50 Dense

Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Sitt

B-15 Staff

15-30 V-SH-1

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-269

EAST PROVIDENCE. R I

DATE _____
HOLE NO. B-12-270
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/24/94	_____
At _____	after _____ Hours	Size I D _____	3 1/2"	_____	COMPLETE 10/24/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	BIT	BORING FOREMAN P. Vieira	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING. THEN

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%

140lb Wt. a 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff

SUMMARY:
Earth Boring 3'6"
Rock Coring _____
Samples 2

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

DATE _____
 HOLE NO. B-12-271
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	10/25/94
At _____	after _____ Hours	Size I D _____	3 1/2"	_____	COMPLETE	10/25/94
		Hammer Wt _____	300#	BIT	TOTAL HRS.	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN	J. Medeiros
					INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND	1	24'	2
		2'-4'	D	"	"	"			" "	2	24'	1
		4'-6'	D	"	"	"			" "	3	24'	1
								6'	Bottom of Boring 6'			

GROUND SURFACE TO _____

USED _____ CASING THEN _____

Sample Type

D: Dry C: Cored W: Washed
 UP: Undisturbed Piston
 TP: Test Pit A: Auger V: Vane Test
 UT: Undisturbed Throwall

Proportions Used

Trace 0 to 10%
 Little 10 to 20%
 Some 20 to 35%
 Many 35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-10 Loose 0-4 Soft 30 + Hard
 10-30 Med. Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff

SUMMARY

Earth Boring 6'
 Rock Coring _____
 Samples 3

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

DATE _____
HOLE NO. B-12-272
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/25/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/25/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL MRS. _____	_____
		Hammer Fall _____	30"	BIT	BORING FOREMAN P. Vieira	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type
D-Dry C-Cored W-Washed
UP-Undisturbed Piston
TP-Test Pit A-Auger V-Vane Test
UT-Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 + Stiff

SUMMARY
Earth Boring 1 10"
Rock Coring
Samples

WOLF NO 12-272

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

HOLE NO. B-12-273
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/25/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 10/25/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	_____
				BIT _____	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type
D=Dry C-Cored W=Asphalt
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

SUMMARY

Earth Boring	4
Rock Coring	
Samples	2

HOLF NO 12-273

OUR JOB NO. 95-41

SOILS ENGR. _____

LOCATION OF BORING

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

Sample Type

D: Dry C: Cored W: Wet

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinnell

Proportions Used

Trace 0.1010%

more	0 to 10%
little	10 to 20%

none	10 to 20%
some	20 to 35%

some	201833%
and	351050%

140lb Wt x 30" fall on 2' O D Sampler

Cohesionless Density

0 10 Loose

10:30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4.8 M/Suff

8-15 Shift
15-30 11:54

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-274

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/25/94	
COMPLETE	10/25/94	
TOTAL MRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dark Brown medium SAND & Yellowish medium to fine Sand, some gravel	1	24'	24'
		2'-4'	D	"	"	"			Yellowish fine SAND, some gravel	2	24'	24'
		4'-6'	D	"	"	"		Peat 5'-6' 6'	Dark Brown PEAT & Gray fine Sand	3	24'	10'
									Bottom of Boring 6'			

GROUND SURFACE TO

USED

"CASING

THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

Trace 0 to 10%

title 10 to 20%

some 20 to 35%

und 35 to 50%

140lb Wt x 30" fall on 2' 00 Sampler

Cohesionless Density

0 10 Loose

10-30 Med. Dense
30-50 Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Stiff

8-15 Shift
15:30 V-Shift

SUMMARY:

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-275

RULE NO. D-44-410
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		"CASING THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" tall on 2" O.D. Sampler			
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP: Undisturbed	Piston	little	10 to 20%	0-10 Loose	0-4 Soft	30+ Hard	Rock Coring
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT: Undisturbed	Thinwall	and	35 to 50%	30-50 Dense	8-15 Stiff	15-30 V-Stiff	HOLE NO 12-276
				50+ Very Dense			

HOLE NO. 0-22-211
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATION		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/25/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/25/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
				BIT _____	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Fission

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

Trace 0.1010%

little 10 to 20%

some 20 to 35%

and 35 to 50%

140lb Wt x 30' fall on 2' O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense
10-50 Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

O-4 Soft

4-8 M/Sift

8-15 Shift
15-30 V-Shift

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-277

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb WT x 30" fall on 2" O.D. Sampler		Earth Boring <u>6</u>
D: Dry C: Cored W: Washed	Trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Rock Coring
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Samples <u>3</u>
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-278

HOLE NO. D-44-617
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/25/94	_____
		Size I.D. _____	3 1/2"	_____	COMPLETE 10/25/94	_____
At _____	after _____ Hours	Hammer Wt. _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO _____ USED _____ CASING _____ THE _____		SUMMARY:	
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler Cohesionless Density	Cohesive Consistency
D: Dry C Cored W: Washed	trace 0 to 10%	0-10 Loose	0-4 Soft 30 + Hard
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff
TP: Test Pit A Auger V: Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff
UT: Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff

Earth Boring **I-3"**
 Rock Coring _____
 Samples _____
HOLE NO 12-279

RULE NO. 2-22-200
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		"CASING THEN		SUMMARY		
Sample Type		Proportions Used		140lb WT x 30" fall on 2" O.D. Sampler				
D-Dry	C-Cored	W-Washed	trace	0 to 10%	Cohesionless	Density	Earth Boring <u>6'</u>	
UP: Undisturbed	Piston	little	10 to 20%	0-10	Loose	0-4	Soft 30 + Hard	
TP: Test Pit	A-Auger	V-Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff
UT: Undisturbed	Thinwall	and	35 to 50%	30-50	Dense	8-15	Stiff	
				50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-28C

FILE NO. _____
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/25/94	_____
COMPLETE	10/25/94	_____
TOTAL HRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING

THEN

Sample Type

Proportions Used

140lb Wt x 30" fall on 2" O.D. Sampler

SUMMARY

D: Dry C-Cored W. Ashed

| Trace | 0 to 10% |

Cohesionless Density

Cohesive Consistency

SUMMARY
Earth Boring 6'

UP: Undisturbed Piston

little 10 to 20%

0-10 Loose

0-4 Soft 30 + Hard

Rock Coring _____

TP: Test Pin A: Auger V: Vane Test

some 20 to 35%

10-50 Med Dense
10-50 Dense

4-8 M/Still
9-15 6-11

Samples 3

UT - Undisturbed Thicket

and 35 to 50%

50-50 DENSE
50+ Very Dense

8-15 Still
15-30 V-Still

HOLE NO B-12-2

HOLE NO. D-12-202
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/25/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/25/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

USFO

"CASING THEN

Proportions Used

140lb Wt x 30" fall on 2 O.D. Sampler

Trace 0.1010%

Cohesionless Density

Cohesive Consistency

10 to 20%

010 Loose

0-4 Soft 30 + Hard

some 20 to 35%.

10-30 Med Dense

4-8 M/Suff

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 SMH
15-30 V-SMH

SUMMARY:

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-282

FILE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt & 30" fall on 2" O.D. Sampler					
D-Dry	C-Cored	W-Washed	trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring
UP - Undisturbed	Piston		little	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard
TP - Test Pit	A-Auger	V-Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	Rock Coring
UT - Undisturbed	Thinwall		and	35 to 50%	30-50	Dense	8-15	Stiff	Samples
					50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-283

HOLE NO. H-12-254
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____	"CASING THEN _____		SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler			
			Cohesionless Density	Cohesive Consistency		
D: Dry	C: Cored	W: Washed				
UP: Undisturbed	Piston		0-10 Loose	0-4 Soft	30 + Hard	Earth Boring <u>2'3"</u>
TP: Test Pit	A: Auger	V: Vane Test	10-30 Med Dense	4-8 M/Stiff		Rock Coring _____
UT: Undisturbed	Thinwall		30-50 Dense	8-15 Stiff		Samples <u>2</u>
			50+ Very Dense	15-30 V-Stiff		

HOLE NO 12-284

HOLE NO.
 LINE & STA.
 OFFSET
 SURF. ELEV.

[illegible]

GROUND SURFACE TO _____		USED _____		"CASING THEN _____		SUMMARY
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2' O.D. Sampler	Cohesionless Density	Cohesive Consistency		
D: Dry C: Cored W: Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard	Earth Boring _____	
UP: Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff		Rock Coring _____	
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff		Samples _____	
UT: Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff			

HOLE NO 12-285

HOLE NO. B-12-286
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	10/25/94	_____
COMPLETE	10/25/94	_____
TOTAL HRS.		
BORING FOREMAN	P. Vieira	
INSPECTOR	_____	
SOILS ENGR.	_____	

HOLE NO 12-286

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invent LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. 45 PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

HOLE NO. B-12-287
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ Hours	Type _____		S/S		START	10/25/94
At _____ after _____ Hours	Size I D _____		3 1/2"		COMPLETE	10/25/94
	Hammer Wt _____		300#	BIT	TOTAL HRS. _____	
	Hammer Fall _____		30"		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & medium to coarse Gravel	1	24	12'
		2'-4'	D	"	"	"			Moist, Brown fine SAND & coarse Gravel	2	24	14'
		4'-6'	D	"	"	"			Dry, Brown fine to medium SAND & coarse Gravel, trace silt	3	24	14'
		6'-8'	D	"	"	"			Moist, Gray silty fine SAND & coarse Gravel	4	24	20'
		8'-10'	D	"	"	"			" "	5	24	24'
		10'-12'	D	"	"	"			" "	6	24	20"
		12'-14'	D	"	"	"			" "	7	24	22"
		14'-15'	D	"	"	"			" trace coarse gravel	8	12	3"
								15'	Bottom of Boring 15'			

GROUND SURFACE TO _____

USED

CASING THEN

Sample Type
 D-Dry C-Cored W-Washed
 UP-Undisturbed Piston
 TP-Test Pit A-Auger V-Vane Test
 UT-Undisturbed Thinwall

Proportions Used
 none 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt x 30' fall on 2" O.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-10 Loose 0-4 Soft 30 + Hard
 10-30 Med Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff
 50+ Very Dense 15-30 V-Stiff

SUMMARY

Earth Boring 15'
 Rock Coring _____
 Samples 8

HOLE NO 12-287

TO Texas Instruments ADDRESS Attleboro, Mass. HOLE NO. B-12-288
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
 REPORT SENT TO above Bldg. # 5 PROJ NO _____ OFFSET _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ Hours	Type _____		<u>S/S</u>		START <u>10/25/94</u>	
At _____ after _____ Hours	Size <u>10</u>		<u>3 1/2"</u>		COMPLETE <u>10/25/94</u>	
	Hammer Wt _____		<u>300#</u>	BIT	TOTAL HRS. _____	
	Hammer Fall _____		<u>30"</u>		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Re
		<u>0'-2'</u>	<u>D</u>	<u>Blows not Taken</u>					<u>Dry, Brown fine SAND & coarse Gravel, tr. silt</u>	<u>1</u>	<u>24'</u>	<u>1</u>
		<u>2'-4'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Brown fine SAND & coarse Gravel, tr. silt</u>	<u>2</u>	<u>24'</u>	<u>2</u>
		<u>4'-6'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Gray silty SAND & coarse Gravel</u>	<u>3</u>	<u>24'</u>	<u>1</u>
		<u>6'-8'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Light Brown silty SAND & coarse Gravel</u>	<u>4</u>	<u>24'</u>	<u>2</u>
		<u>8'-10'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Light Brown silty SAND & medium to coarse Gravel</u>	<u>5</u>	<u>24'</u>	<u>2</u>
		<u>10'-12'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Gray silty SAND & coarse Gravel</u>	<u>6</u>	<u>24'</u>	<u>1</u>
		<u>12'-14'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>" "</u>	<u>7</u>	<u>24'</u>	<u>2</u>
		<u>14'-15'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>		<u>15'</u>	<u>Moist, Grayish Brown silty SAND & coarse Gravel</u>	<u>8</u>	<u>12'</u>	<u>1</u>
									<u>Bottom of Boring 15'</u>			

GROUND SURFACE TO _____

USED _____ CASING _____ THEN _____

Sample Type
 D-Dry C-Cored W-Washed
 UP-Undisturbed Piston
 TP-Test Pit A-Auger V-Vane Test
 UT-Undisturbed Thinwall

Proportions Used
 trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt x 30' fall on 2" O.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-10 Loose 0-4 Soft 30 + Hard
 10-30 Med Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff
 50+ Very Dense 15-30 V-Stiff

SUMMARY
 Earth Boring 15'
 Rock Coring _____
 Samples 8

HOLE NO 12-288

HOLE NO. B-12-289
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE 1

USED

"CASING: THEN

Sample Type

D = Dry C = Cored W = Washed

UP: Undisturbed Fission

TP: Test Pit A: Auger V: Vane Test

UT - Undisturbed Thinwall

Proportions Used

Trace (0.1010%)

little 10 to 20%

some 20 to 35%

and 35 to 50%.

140lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density

0 10

10:30 Med Dense

30-50 Dense
50+ Very Dense

5/1 + Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Still

8-15 Stiff

15-30 V-Striff

SUMMARY

Earth Boring 61

Rock Coring _____

Samples 3

OLF NO12-289

HOLE NO12-289

HOLE NO. B-12-290
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/26/94	_____
		Size: D _____	3 1/2" _____	_____	COMPLETE 10/26/94	_____
		Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

GROUND SURFACE TO		USED	CASING	THEN	SUMMARY	
Sample Type	Proportions Used	140lb WT x 30" fall on 2" OD Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	
D-Dry C-Cored W-Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard	Rock Coring	4'
UP=Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff		Samples	2
TP=Test Pit A=Auger V=Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff		HOLE NO 12-29	
UT=Undisturbed Thinwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff			

HOLE NO. B-12-291
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/26/94	_____
		Size D. _____	3 1/2"	_____	COMPLETE 10/26/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel, tr. silt	1	24	24
		2'-4'	D	"	"	"			Dry, Brown fine SAND, trace coarse gravel, trace silt	2	24	4"
		4'-6'	D	"	"	"			Moist, Gray fine SAND, trace silt & coarse gravel	3	24	24
		6'-8'	D	"	"	"			Moist, Dark Brown PEAT, trace fine sand	4	24	22
		8'-10'	D	"	"	"			Dry, Brown fine to medium SAND, trace coarse gravel, trace silt	5	24	20
		10'-12'	D	"	"	"			Moist, Brown to Gray silty fine SAND, trace coarse gravel	6	24	20
		12'-13'	D	"	"	"			Moist, av silty fine SAND	7	12	12
							13'		Bottom of Boring 13'			

GROUND SURFACE TO _____		USED _____		CASING THEN _____				SUMMARY:	
Sample Type		Proportions Used		140lb Wt. x 30" fall on 2" O.D. Sampler					
D: Dry C-Cored W. Washed		trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency		Earth Boring <u>13'</u>
UP: Undisturbed Piston		little	10 to 20%	0-10	Loose	0-4	Soft	30 + Hard	Rock Coring
TP: Test Pit A-Auger V-Vane Test		some	20 to 35%	10-30	Med Dense	4-8	M/Stiff		Samples <u>7</u>
UT: Undisturbed Thinwall		and	35 to 50%	30-50	Dense	8-15	Stiff		
				50 +	Very Dense	15-30	V-Stiff		

HOLE NO 12-291

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. #5 PROJ NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

HOLE NO. R-12-292
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ Hours	Type _____		S/S		START	10/26/94
At _____ after _____ Hours	Size: D _____		3 1/2"		COMPLETE	10/26/94
	Hammer Wt _____		300#	BIT	TOTAL MRS.	
	Hammer Fall _____		30"		BORING FOREMAN	R. Allen
					INSPECTOR	
					SOILS ENGR.	

LOCATION OF BORING

DEPTH	Casing Blows per 100'	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine to medium SAND & coarse Gravel, trace silt	1	24'	1
		2'-4'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, tr. silt	2	24'	2
		4'-6'	D	"	"	"			Dry, Light Brown fine SAND & coarse Gravel, tr. silt	3	24'	1
		6'-8'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, tr. silt	4	24'	18
		8'-10'	D	"	"	"			Moist, Brown Gray silty SAND & coarse Gravel	5	24'	20
		10'-12'	D	"	"	"			Moist, Gray silty SAND & coarse Gravel	6	24'	18
		12'-14'	D	"	"	"			" "	7	24'	23
		14'-15'	D	"	"	"			Moist, Brown Gray silty fine SAND, trace coarse gravel	8	12'	12
								15'				
									Bottom of Boring 15'			

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler		Earth Boring <u>15'</u>
D: Dry C Cored W/ Washed	Trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Rock Coring _____
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Samples <u>8</u>
TP: Test Pit At Auger V Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	
UT: Undisturbed Thawall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-292

HOLE NO. B-12-293
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S _____	_____	START 10/26/94	_____
At _____	after _____	Hours	Size - D _____	3 1/2" _____	_____	COMPLETE 10/26/94	_____
			Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
			Hammer Fall _____	30" _____	_____	BORING FOREMAN R. Allen	
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sample			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel	1	24"	18'
		2'-4'	D	"	"	"			" "	2	24"	20'
		4'-6'	D	"	"	"			Dry, Dark Brown fine SAND & coarse Gravel, tr. silt	3	24"	19'
		6'-8'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, trace silt	4	24"	21'
		8'-10'	D	"	"	"			Pushed Cobble	5	24"	-
		10'-12'	D	"	"	"			Moist, Dark Brown silty SAND & coarse Gravel	6	24"	10'
		12'-14'	D	"	"	"			Moist, Gray silty SAND & coarse Gravel	7	24"	20'
		14'-15'	D	"	"	"			Moist, Brown silty fine SAND & coarse Gravel	8	12"	12'
								15'	Bottom of Boring 15'			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type
D: Dry C-Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Shift
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V. Stiff

SUMMARY
Earth Boring 15'
Rock Coring _____
Samples 8

HOLE NO 12-29:

HOLE NO. B-12-29
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/27/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 10/27/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
		Hammer Fall _____	30"	BIT	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel	1	24"	
		2'-4'	D	"	"	"			" "	2	24"	
		4'-6'	D	"	"	"			Dry, Brown Gray silty SAND & coarse Gravel	3	24"	
		6'-8'	D	"	"	"			Moist, Dark Brown silty SAND & coarse Gravel	4	24"	2
		8'-10'	D	"	"	"			Moist, Brown Gray silty SAND & coarse Gravel	5	24"	
		10'-12'	D	"	"	"			Moist, trace Dark Brown Sand changing to Gray silty SAND & coarse Gravel	6	24"	2
		12'-14'	D	"	"	"			Moist, Gray Brown silty fine SAND & coarse Gravel	7	24"	2
		14'-15'	D	"	"	"		15'	Moist, Brown silty fine SAND & coarse Gravel	8	12"	1
									Bottom of Boring 15'			

GROUND SURFACE TO _____ USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used

trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density		Cohesive Consistency	
0-10	Loose	0-4	Soft
10-30	Med Dense	4-8	M/Stiff
30-50	Dense	8-15	Stiff
50+	Very Dense	15-30	V-Stiff

SUMMARY

Earth Boring 15
Rock Coring
Samples 8

HOLE NO 12-29

LOCATION OF BORING

HOLE NO 12-295

HOLE NO. B-12-296
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/27/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 10/27/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

USED "CASING THEN

140lb Wt. x 30" fall on 2' O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

O-4 Soft

4.8 M/Stiff

8-15 Stiff
15-30 V-Stiff

SUMMARY.

Earth Boring 2' 9"

Rock Coring

Samples 2

HOLE NO 12-290

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/27/94	_____ a.m.
		Size: D _____	3 1/2"	_____	COMPLETE 10/27/94	_____ p.m.
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

GROUND SURFACE TO _____		USED _____		CASING THEN _____		
Sample Type		Proportions Used		140lb Wt. x 30" fall on 2" O.D. Sampler Cohesionless Density Cohesive Consistency		SUMMARY:
D= Dry C= Cored W= Washed		Trace	0 to 10%	0-10 Loose	0-4 Soft	Earth Boring <u>6</u>
UP= Undisturbed Piston		little	10 to 20%	10-30 Med Dense	4-8 M/Stiff	Rock Coring
TP= Test Pit A= Auger V= Vane Test		some	20 to 35%	30-50 Dense	8-15 Stiff	Samples <u>3</u>
UT= Undisturbed Thinwall		most	35 to 50%	50+ Very Dense	15+ Very Stiff	

HOLE NO 12-297

TO <u>Texas Instruments</u>	ADDRESS <u>Attleboro, Mass.</u>
PROJECT NAME <u>Low Level Radiation Invest</u>	LOCATION <u>Attleboro, Mass.</u>
REPORT SENT TO <u>above / Bldg. #5</u>	PROJ. NO. _____
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>

HOLE NO. B-12-298
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/27/94	_____
At _____	after _____ Hours	Size I D _____	3 1/2" _____	_____	COMPLETE 10/27/94	_____
		Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	_____
		Hammer Fall _____	30" _____	_____	BORING FOREMAN <u>P. Vieira</u>	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO _____ USED _____" CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Fission

TP: Test Pit A: Auger V: Vane Test

LT: Undetermined. There are

Proportions Used

Trace 0 to 10%

little 10 to 20%

some 201035%

1004 251055Z

140lb Wt. x 30" tall on 2' O D Sampler

Cohesionless Density

0 10 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

Q-4 Soft

4-8 M/Stiff

8-15 Shift

SUMMARY

Earth Boring 4¹⁰

Rock Coring

Samples

HOLE NO12-298

100 WATER STREET

EAST PROVIDENCE, R I

TO Texas InstrumentsADDRESS Attleboro, Mass.PROJECT NAME Low Level Radiation InvestLOCATION Attleboro, Mass.REPORT SENT TO above / Bldg. #5

PROJ NO. _____

SAMPLES SENT TO Taken at SiteOUR JOB NO. 95-41

DATE _____

HOLE NO. B-12-299

LINE & STA. _____

OFFSET _____

SURF. ELEV. _____

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

Type _____

CASING _____

SAMPLER _____

CORE BAR _____

Size: D _____

S/S3 1/2"

Hammer Wt _____

300#

BIT _____

Hammer Fall _____

30"

Date _____

Time _____

START 10/27/94COMPLETE 10/27/94

TOTAL HRS. _____

BORING FOREMAN P. Vieth

INSPECTOR _____

SOILS ENGR. _____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		<u>0'-2'</u>	<u>D</u>	<u>Blows not Taken</u>			<u>Moist</u>		<u>Yellowish coarse SAND & Gravel</u>	<u>1</u>	<u>24'</u>	<u>1</u>
		<u>2'-4'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>1'</u>		<u>Yellowish medium SAND & Gravel</u>	<u>2</u>	<u>24'</u>	<u>2</u>
		<u>4'-6'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>Wet</u>		<u>Dark Gray fine SAND & Gravel</u>	<u>3</u>	<u>24'</u>	<u>2</u>
							<u>3'</u>	<u>6'</u>	<u>Bottom of Boring 6'</u>			

GROUND SURFACE TO _____

USED _____

CASING _____

THEN _____

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thin soil

Proportions Used

Trace 0 to 10%

little 10 to 20%

some 20 to 35%

140lb Wt x 30" fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med. Dense

30-50 Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Stiff

8-15 S.c.H

SUMMARY:

Earth Boring 6'

Rock Coring _____

Samples 3

100 WATER STREET

EAST PROVIDENCE, R I

TO Texas InstrumentsADDRESS Attleboro, Mass.PROJECT NAME Low Level Radiation InvestLOCATION Attleboro, Mass.REPORT SENT TO aboveBldg. #5

PROJ NO

SAMPLES SENT TO Taken at SiteOUR JOB NO. 95-41

DATE

HOLE NO. B-12-300

LINE & STA.

OFFSET

SURF. ELEV.

Date

Time

GROUND WATER OBSERVATIONS

CASING

SAMPLER

CORE BAR

At _____ after _____ Hours

Type

S/S

At _____ after _____ Hours

Size I D

3 1/2"

Hammer Wt

300#

BIT

Hammer Fall

30"START 10/27/94COMPLETE 10/27/94

TOTAL HRS.

BORING FOREMAN J. Medeiros

INSPECTOR

SOILS ENGR.

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24'	1'
		2'-4'	D	"	"	"			" "	2	24'	1'
		4'-6'	D	"	"	"			"	3	24'	1'
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

Proportions Used

140lb Wt. x 30" fall on 2" O.D. Sampler

SUMMARY

D: Dry C: Cored W: Washed

trace 0 to 10%

Cohesionless Density

Cohesive Consistency

Earth Boring 6'

UP: Undisturbed Piston

little 10 to 20%

0-10 Loose

0-4 Soft 30 + Hard

Rock Coring

TP: Test Pit A: Auger V: Vane Test

some 20 to 35%

10-30 Med Dense

4-8 M/Stiff

Samples 3

UT: Undisturbed Test

30-50 Dense

8-15 Stiff

12-30

EAST PROVIDENCE, R I

1 UALC

HOLE NO. B-12-301

LINE & STA.

OFFSET

SURF. ELEV.

TO Texas Instruments

PROJECT NAME Low Level Radiation Invest

REPORT SENT TO above / Bldg. #5

SAMPLES SENT TO _____ Taken at Site

ADDRESS Attleboro, Mass.

LOCATION Attleboro, Mass.

PROJ NO.

OUR JOB NO. 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/27/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 10/27/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN P. Vieira	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UB - Undisturbed Fiston

TP: Test Pit A Auger V: Vane Test

Proportions Used

trace 0 to 10%

more	0 to 10%
little	10 to 20%

none	10 to 20%
some	20 to 35%

140lb Wt x 30' fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10:30 Med Dense

on 2" O.D. Sampler

Cohesive Consistency

0-4 Soft

4-8 M/Suff

SUMMARY

Earth Boring 6"

Rock Coring _____

Samples _____

FILE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY		
Sample	Type	Proportions Used	140 lb Wt x 30" fall on 2" O.D. Sampler					
			Cohesionless	Density	Cohesive	Consistency		
D: Dry	C: Clay	W: Washed	trace	0 to 10%	0-10	Loose	0-4	Soft
UP: Undisturbed	Piston		little	10 to 20%	10-30	Med Dense	4-8	M/Stiff
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	30-50	Dense	8-15	Stiff
UT: Undisturbed	Thiwall		and	35 to 50%	50 +	Very Dense	15-30	V-Stiff
							30 + Hard	
							Earth Boring	
							Rock Coring	
							Samples	

HOLE NO 12-302

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
AI _____	after _____ Hours	Type _____	S/S	_____	START 10/27/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 10/27/94	_____
AI _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN P. Vieira	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

HOLE NO 12-30

HOLE NO. B-12-304
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 10/27/94	_____ a.m.
		Size: D _____	3 1/2"	_____	COMPLETE 10/27/94	_____ p.m.
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6
Rock Coring
Samples 3

HOLE NO 12-304

HOLE NO. D-12-303
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

PROPORTIONS USED	"CASING"	THEN
Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler	
trace 0 to 10%	Cohesionless Density	Cohesive Consistency
little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard
some 20 to 35%	10-30 Med Dense	4-8 M/Stiff
and 35 to 50%	30-50 Dense	8-15 Stiff
	50 + Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6
Rock Coring 1
Samples 3

HOLE NO 12-305

HOLE NO. B-12-SUB
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 10/27/94	_____
		Size I D _____	3 1/2" _____	_____	COMPLETE 10/27/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	_____
		Hammer Fall _____	30" _____	_____	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

USED	
Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

"CASING THEN	
140lb Wt. x 30" fall on 2' O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 15'
Rock Coring _____
Samples 8

HOLE NO 12-306

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. #5 PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

HOLE NO. B-12-307
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	10/28/94
At _____	after _____ Hours	Size I D _____	3 1/2"	_____	COMPLETE	10/28/94
		Hammer Wt _____	300#	BIT	TOTAL HRS.	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN	R. Allen
					INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel	1	24"	1
		2'-4'	D	"	"	"			Dry, Brown fine SAND & medium to coarse Gravel, trace silt	2	24"	2
		4'-6'	D	"	"	"			" "	3	24"	2
		6'-8'	D	"	"	"			" "	4	24"	2
		8'-10'	D	"	"	"			" "	5	24"	2
		10'-12'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, tr. silt	6	24"	1
		12'-14'	D	"	"	"			Dry, Dark Brown to Gray fine SAND, trace coarse gravel, trace silt	7	24"	1
		14'-15'	D	"	"	"			Moist, Brown Gray silty SAND, trace coarse gravel	8	12"	1
								15'				
									Bottom of Boring 15'			

GROUND SURFACE TO _____

USED _____ CASING THEN _____

Sample Type

D: Dry C: Cored W: Washed
 UP: Undisturbed Piston
 TP: Test Pit A: Auger V: Vane Test
 UT: Undisturbed Thinwall

Proportions Used

Trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler
 Cohesionless Density
 0-10 Loose
 10-30 Med Dense
 30-50 Dense
 50+ Very Dense
 Cohesive Consistency
 0-4 Soft 30+ Hard
 4-8 M/Stiff
 8-15 Stiff
 15-30 V-Stiff

SUMMARY:

Earth Boring 15'
 Rock Coring _____
 Samples 8

HOLE NO 12-307

HOLE NO. B-12-300
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type		Proportions Used		140lb Wt. x 30" fall on 2" OD Sampler		SUMMARY	
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>15'</u>
UP: Undisturbed	Piston		little	10 to 20%	0-10 Loose	0-4 Soft	Rock Coring _____
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>8</u>
UT: Undisturbed	Thinwall		and	35 to 50%	30-50 Dense	8-15 Stiff	
					50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-300

TO Texas Instruments ADDRESS Attleboro, Mass. HOLE NO. B-12-310
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
 REPORT SENT TO above Bldg. # 5 PROJ. NO. _____ OFFSET _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type	S/S	_____	START	10/29/94
At _____	after _____	Hours	Size: D	3 1/2"	_____	COMPLETE	10/29/94
			Hammer Wt	300#	BIT	TOTAL HRS.	
			Hammer Fall	30"		BORING FOREMAN	R. Allen
						INSPECTOR	
						SOILS ENGR.	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From	To					No	Pen	Rec
				0-6	6-12	12-18						
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel	1	24'	18"
		2'-4'	D	"	"	"			" "	2	24'	15"
		4'-6'	D	"	"	"			" "	3	24'	20"
		6'-8'	D	"	"	"			" trace silt	4	24'	19"
		8'-10'	D	"	"	"			Moist, Brown fine to medium SAND, trace coarse gravel (Pushed Cobble)	5	24'	2"
		10'-12'	D	"	"	"			Moist, Brown Gray fine to medium SAND & coarse Gravel	6	24'	12"
		12'-14'	D	"	"	"			Moist, Gray silty SAND & coarse Gravel, Cobbles	7	24'	16"
		14'-15'	D	"	"	"			Moist, traces of Dark Br. to Brown & Gray silty SAND	8	12'	7"
								15'	Bottom of Boring 15'			

GROUND SURFACE TO _____	USED _____	CASING _____	THEN _____
Sample Type D: Dry C: Cored W: Washed UP: Undisturbed Piston TP: Test Pit A: Auger V: Vane Test UT: Undisturbed Thinwall	Proportions Used Trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%	140lb Wt x 30" fall on 2" O.D. Sampler Cohesionless Density 0-10 Loose 10-30 Med Dense 30-50 Dense 50+ Very Dense	Cohesive Consistency 0-4 Soft 30+ Hard 4-8 M/Stiff 8-15 Stiff 15-30 V-Stiff
SUMMARY Earth Boring <u>15'</u> Rock Coring _____ Samples <u>8</u>			HOLE NO <u>12-310</u>

HOLE NO. D-44-341
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____		SUMMARY	
Sample	Type	Proportions Used	140lb Wt x 30" fall on 2 O.D. Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	_____ 15'
D: Dry	C: Cored	W: Washed	trace	0 to 10%	0-10 Loose	0-4 Soft	30 + Hard
UP: Undisturbed	Piston	little	10 to 20%	10-30 Med Dense	4-8 M/Stiff	8-15 Stiff	_____
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	30-50 Dense	15-30 V-Stiff	_____ 8
UT: Undisturbed	Thinwall	and	35 to 50%	50 + Very Dense			

HOLE NO 12-311

TO Texas Instruments ADDRESS Attleboro, Mass. HOLE NO. B-12-312
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
 REPORT SENT TO above Bldg. #5 PROJ NO. _____ OFFSET _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ Hours	Type _____		<u>S/S</u>		START <u>10/29/94</u>	
At _____ after _____ Hours	Size: O _____		<u>3 1/2"</u>		COMPLETE <u>10/30/94</u>	
	Hammer Wt _____		<u>300#</u>	BIT	TOTAL HRS. _____	
	Hammer Fall _____		<u>30"</u>		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	R
		<u>0'-2'</u>	<u>D</u>	<u>Blows not Taken</u>					<u>Dry, Brown fine to medium SAND & coarse Gravel</u>	<u>1</u>	<u>24'</u>	<u>2</u>
		<u>2'-4'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Dry, Brown fine SAND & medium to coarse Gravel</u>	<u>2</u>	<u>24'</u>	<u>1</u>
		<u>4'-6'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>"</u>	<u>3</u>	<u>24'</u>	<u>2</u>
		<u>6'-8'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Dark Gray silty fine SAND & coarse Gravel</u>	<u>4</u>	<u>24'</u>	<u>21</u>
		<u>8'-10'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist to Wet, Gray Brown silty fine SAND & coarse Gravel</u>	<u>5</u>	<u>24'</u>	<u>18</u>
		<u>10'-12'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Grayish Brown silty fine SAND & coarse Gravel</u>	<u>6</u>	<u>24'</u>	<u>14</u>
		<u>12'-14'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Gray Brown silty fine SAND, trace coarse gravel (Moist)</u>	<u>7</u>	<u>24'</u>	<u>19</u>
		<u>14'-15'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>Moist, Gray silty fine SAND</u>	<u>8</u>	<u>12'</u>	<u>12</u>
								<u>15'</u>	<u>Bottom of Boring 15'</u>			

GROUND SURFACE TO _____

USED _____ "CASING THEN _____

Sample Type
 D: Dry C: Cored W: Washed
 UP: Undisturbed Piston
 TP: Test Pit A: Auger V: Vane Test
 UT: Undisturbed Thinwall

Proportions Used
 trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140 lb Wt. x 30" fall on 2" O.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-10 Loose 0-4 Soft 30 + Hard
 10-30 Med Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff
 50 + Very Dense 15-30 V-Stiff

SUMMARY
 Earth Boring 15'
 Rock Coring _____
 Samples 8

HOLE NO 12-312

TO Texas Instruments ADDRESS Attleboro, Mass. HOLE NO. B-12-313
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
 REPORT SENT TO above / Bldg. #5 PROJ NO. _____ OFFSET _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	10/30/94
At _____	after _____ Hours	Size: D _____	3 1/2"	_____	COMPLETE	10/30/94
		Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6'	6-12'	12-18'				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & medium to coarse Gravel	1	24'	20
		2'-4'	D	"	"	"			Moist, Dark Brown fine SAND & medium to coarse Gravel, trace silt	2	24'	18
		4'-6'	D	"	"	"			Moist, Brown to Dark Brown fine SAND & coarse Gravel, trace silt	3	24'	20
		6'-8'	D	"	"	"			Moist, Brown silty fine SAND & coarse Gravel	4	24'	18
		8'-10'	D	"	"	"			Moist, Brown silty fine SAND & medium to coarse Gravel	5	24'	24
		10'-12'	D	"	"	"			(Augered through Boulder)	6	24'	0
		12'-14'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, tr. silt	7	24'	18
		14'-15'	D	"	"	"			Dry, Brown Gray silty fine SAND, trace coarse gravel	8	12'	-
								15'	Bottom of Boring 15'			

GROUND SURFACE TO _____

USED _____

CASING THEN _____

Sample Type
 D-Dry C Cores W/ Washed
 UP-Undisturbed Piston
 TP-Test Pit A-Auger V-Vane Test
 UT-Undisturbed Thin-wall

Proportions Used
 trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler
 Cohesionless Density
 0-10 Loose
 10-30 Med Dense
 30-50 Dense
 50+ Very Dense
 Cohesive Consistency
 0-4 Soft 30+ Hard
 4-8 M/Stiff
 8-15 Stiff
 15-30 V-Stiff

SUMMARY

Earth Boring 15'
 Rock Coring _____
 Samples 8

HOLE NO 12-313

HOLE NO. B-12-314
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 10/30/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 10/30/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Moist, Dark Brown LOAM, fine Sand & coarse Gravel	1	24	22
		2'-4'	D	"	"	"			Dry, Brown Gray silty fine SAND & medium to coarse Gravel	2	24	19
		4'-6'	D	"	"	"			Dry, Gray silty fine SAND & coarse Gravel	3	24	24
		6'-8'	D	"	"	"			Dry, Grayish Brown silty fine SAND & coarse Gravel	4	24	22
		8'-10'	D	"	"	"			Moist, Grayish Brown silty fine SAND & coarse Gravel	5	24	24
		10'-12'	D	"	"	"			Moist, Grayish Brown silty fine SAND & coarse Gravel	6	24	16
		12'-14'	D	"	"	"			" Cobbles	7	24	18
								14'	Refusal - Bottom of Boring 14'			

GROUND SURFACE TO _____ USED _____ CASING THEN _____

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 14
Rock Coring 7
Samples 7

HOLE NO 12-314

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. # 5 PROJ NO _____
 SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

HOLE NO. B-12-315
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ hours	Type _____		<u>S/S</u>		START <u>10/31/94</u>	
At _____ after _____ hours	Size: D _____		<u>3 1/2"</u>		COMPLETE <u>10/31/94</u>	
	Hammer Wt _____		<u>300#</u>	BIT	TOTAL HRS. _____	
	Hammer Fall _____		<u>30"</u>		BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & medium to coarse Gravel	1	24'	18"
		2'-4'	D	"	"	"			Dry, Brown fine to medium SAND & coarse Gravel, trace silt	2	24'	12"
		4'-6'	D	"	"	"			Dry, Brown fine SAND & medium to coarse Gravel	3	24'	12"
		6'-8'	D	"	"	"			Moist, Dark Brown silty fine SAND & coarse Gravel	4	24'	20"
		8'-10'	D	"	"	"			Moist, Brown Gray silty SAND & coarse Gravel	5	24'	22"
		10'-12'	D	"	"	"			Moist, Brown silty fine SAND & coarse Gravel	6	24'	19"
		12'-14'	D	"	"	"			Moist, Gray silty SAND & coarse Gravel	7	24'	24"
								14'	Bottom of Boring 14'			

GROUND SURFACE TO _____

USED _____ "CASING THEN _____

Sample Type

D: Dry C-Cored W/ Washed
 UP: Undisturbed Piston
 TP: Test Pit A: Auger V: Vane Test
 UT: Undisturbed Thinwall

Proportions Used

trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt. x 30" fall on 2 O.D. Sampler

Cohesionless Density

0-10 Loose
 10-30 Med Dense
 30-50 Dense
 50+ Very Dense

Cohesive Consistency

0-4 Soft 30+ Hard
 4-8 M/Stiff
 8-15 Stiff
 15-30 Very Stiff

SUMMARY

Earth Boring 14'
 Rock Coring _____
 Samples 7

HOLE NO. B-12-315

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. #5 PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

HOLE NO. B-12-316
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____ after _____ Hours	Type _____	Auger	S/S	_____	START 10/31/94	a.m.
At _____ after _____ Hours	Size I D _____	_____	3 1/2"	_____	COMPLETE 10/31/94	p.m.
	Hammer Wt _____	_____	300#	BIT	TOTAL HRS. _____	
	Hammer Fall _____	_____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist.	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel	1	24'	24'
		2'-4'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, tr. silt	2	24'	14'
		4'-6'	D	"	"	"			" "	3	24'	16'
		6'-8'	D	"	"	"			Dry, Brown silty fine SAND & coarse Gravel	4	24'	10"
		8'-10'	D	"	"	"			Dry, Dark Brown fine SAND & coarse Gravel, tr. silt	5	24'	24'
		10'-12'	D	"	"	"			Dry, Brown fine SAND & coarse Gravel, trace silt	6	24'	24'
		12'-14'	D	"	"	"			Dry, Brown Gray silty SAND & coarse Gravel	7	24'	24'
		14'-15'	D	"	"	"			Moist, Dark Brown SAND & coarse Gravel, trace silt	8	12"	--
								15'	Bottom of Boring 15'			

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	Cohesive Consistency	Earth Boring <u>15'</u>
D: Dry C-Cored W: Washed	trace 0 to 10%	Cohesionless Density	0-4 Soft 30 + hard	Rock Coring <u>8</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	4-8 M/Stiff	Samples <u>8</u>
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	8-15 Stiff	
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	15-30 Very Dense	
		50 + Very Dense		

HOLE NO 12-316

HOLE NO. D-14-311
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED	CASING	THEN	118945		SUMMARY	
Sample Type		Proportions Used	140lb Wt. x 30" fall on 2 O.D. Sampler				Earth Boring	4
D-Dry C-Cored W-Washed		trace 0 to 10%	Cohesionless Density	Cohesive Consistency			Rock Coring	
UP Undisturbed Piston		little 10 to 20%	0-10 Loose	0-4 Soft	30 + Hard		Samples	2
TP Test Pit A-Auger V-Vane Test		some 20 to 35%	10-30 Med Dense	4-8 M/Stiff			HOLE NO 12-317	
UT Undisturbed Thinwall		and 35 to 50%	30-50 Dense	8-15 Stiff				
			50 + Very Dense	15-30 V-Stiff				

HOLE NO. B-12-318
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/8/94	_____
			Size ID _____	3 1/2"	_____	COMPLETE 11/8/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
			Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

5612

CASING THEN

Proportions Used

140lb Wt x 50" tall on 2 00 Sampler

Proportions Used

Cohesionless Density

Cohesive Consistency

10102012

17 10) Loose

0.4 Soft 30 + Hard

1994	101020 %
source	201035%

10 30 Med Dense

4.8 M/Stiff

and 35 to 50%

30 50 Dense
60 Very Dense

8 15 Stiff
15 30 V-Stiff

SUMMARY

Earth Boring 6

Rock Coring

Samples 3

HOLE NO 12-318

HOLE NO. B-12-319
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/8/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/8/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	11
		2'-4'	D	"	"	"			" "	2	24	11
		4'-5'	D	"	"	"		5'	" "	3	12	11
									Refusal - Bottom of Boring 5'			

Sample Type
 D: Dry C Cored & Washed
 UP: Undisturbed Piston
 TP: Test Pit A Auger V. Vane Test
 UT: Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2 O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

Earth Boring _____ 5
Rock Coring _____ 3
Samples _____ 3

HOLE NO12-319

HOLE NO. B-12-320
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/8/94	_____
			Size I D _____	3 1/2"	_____	COMPLETE 11/8/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

USE ID

CASING THE N

HOLE NO 12-320

HOLE NO. B-12-322
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

[illegible]

USED "CASING THEN

Proportions Used

Proportions Used

trace 0.1010%

time 10 to 20%.

some	20 to 35%
few	15 to 25%

Cohesionless Density

() 10 Loose

10:30 Med Dense

30-50 Dense

Cohesive Consistency

0.4 Soft

4.8 M/Suff

8-15 Still

SUMMARY

Earth Boring 6

Rock Coring

Need for more
Samples 3

HOLE NO 12-32

HOLE NO. B-12-323
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/8/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 11/8/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS _____	
At _____	after _____ Hours	Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED

CASING THE N

Proportions Used

140 lb Wt x 30 ft on 2' O D Sampler

price 0.1010%

Cohesionless Density

Cohesive Consistency

the 10 to 20%.

C.O. Loose

0-4 Soft 30 + Hard

2019 35%-

10:30 Med Dense

4-8 M/Stiff

and 35 to 50%.

30-50 Dense
50+ Very Dense

8-15 Stiff
15-30 V-Stiff

SUMMARY

Earth Boring _____

Rock Coring

Samples 3

HOLE NO 12-32

HOLE NO. B-12-324
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/9/94	6.00 P.M.
		Size: D _____	3 1/2"	_____	COMPLETE 11/9/94	8.00 P.M.
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	
		Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED "CASING THE

Proportions Used

trace 0 to 10%

10 to 20%.

some 2019.35%

und 35 in 50%

Cohesionless Density | Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Stiff

8-15 Stiff
15-30 V-Stiff

Earth Boring 3

Samples 2

FILE NO 12-324

HOLE NO. B-12-325
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/9/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 11/9/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

GROUND SURFACE TO _____		USED _____	CASING THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb WT + 30' fall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency	Earth Boring	
D-Dry, C-Cored, W-Washed	Trace 0 to 10%	0-10 Loose	0-4	Soft	30 + Hard	6'
UP Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8	M/Stiff		Rock Coring
TP Test Pit, A Auger, V-Vane Test	some 20 to 35%	30-50 Dense	8-15	Stiff		Samples 3
UT Undisturbed Thinwall	and 35 to 50%	50 + Verv Dense	15-30	V-Stiff		HOLE NO 12-32

HOLE NO. B-12-326
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/9/94	_____
		Size () _____	3 1/2"	_____	COMPLETE 11/9/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS _____	
At _____	after _____ Hours	Hammer Fall _____	30"	BIT _____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sample			Moisture Density or Consist	Siroto Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	24
		2'-4'	D	"	"	"			" "	2	24	18
		4'-6'	D	"	"	"			" "	3	24	16
								6'	Bottom of Boring 6'			

USED

"CASING THEN

Proportions Used

100% 100%

10 to 20%

some 20 to 35%

and 35 to 50%

[illegible]

Cohesionless Density

0-10 Loose

10-30 Med Dense

12-50 Dense
+ Very Dense

Cohesive Consistency

0-4 Soft

4-B M/Sill

0-15 Siff
15-30 M-Suff

SUMMARY

Earth Boring

Rock Coring _____

Samples _____

HOLE NO 12-32

HOLE NO. B-12-327
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/9/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/9/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED "CASING THEN

Proportions Used

1990 110109

1998 101,200

same 20 to 35%.

und 3510 50'2"

Cohesionless Density

0 10 Loose

10:30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Suff

B-15 SM11
15-10-15 SM11

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-3:

TO Texas Instruments ADDRESS Attleboro, Mass.
 PROJECT NAME Low Level Position Invest LOCATION Attleboro, Mass.
 REPORT SENT TO above Bldg. # 5 PROJ NO _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41

HOLE NO. B-12-328
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	11/9/94
At _____	after _____ Hours	Size: D _____	3 1/2"	_____	COMPLETE	11/9/94
		Hammer Wt _____	300#	BIT	TOTAL HRS.	
		Hammer Fall _____	30"		BORING FOREMAN	J. Medeiros
					INSPECTOR	
					SOILS ENGR.	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	16
		2'-4'	D	"	"	"			" "	2	24	12
		4'-6'	D	"	"	"			" "	3	24	16
								6'	Bottom of Boring 6'			

GROUND SURFACE TO _____

USED _____ CASING THEN _____

Sample Type
 D-Dry C-Cored W-Washed
 UP-Undisturbed Piston
 TT-Test Pit A-Auger V-Vane test
 UT-Undisturbed Thinwall

Proportions Used
 trace 0 to 10%
 fine 10 to 20%
 some 20 to 35%
 med 35 to 50%

140lb Wt & 30" fall on 2" O.D. Sampler
 Cohesionless Density Cohesive Consistency
 0-4 Loose 0-4 Soft 30+ Hard
 10-30 Med Dense 4-8 M/Stiff
 30-50 Dense 8-15 Stiff
 50+ Very Dense 15-20+ Very Stiff

SUMMARY

Earth Boring 6'
 Rock Coring _____
 Samples 3

HOLE NO. 12-328

HOLE NO. B-12-329
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/9/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 11/9/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO		USED	TASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30" fall on 2 O.D. Sampler				
D Dry C Cored A Asbestos		trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>6'</u>
UP Undisturbed Piston		fine 10 to 20%	0-10 Loose		0-4 Soft 30 + Hard		Rock Coring
TP Test Pit A Auger V Vane Test		some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples <u>3</u>
OT Undisturbed Throwall		and 35 to 50%	30-50 Dense		8-15 Stiff		
			50+ Very Dense		15-30 V-Stiff		

HOLE NO12-329

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb WT x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring _____ 6
Rock Coring _____
Samples _____ 3

HOLE NO 12-331

TO TEXAS INSTRUMENTS ADDRESS ATTLEBORO, MASS.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. LINE & STA. _____
REPORT SENT TO above / Bldg. #5 PROJ NO _____ OFFSET _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	11/10/94
		Size: D _____	3 1/2"	_____	COMPLETE	11/10/94
		Hammer Wt _____	300#	_____	TOTAL HRS.	
At _____	after _____ Hours	Hammer Fall _____	30"	BIT	BORING FOREMAN	J. Medeiros
					INSPECTOR	
					SOILS ENGR.	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED "CASING THEN

Sample Type

Proportions Used

140lb Wt x 30" tall on 2 00 Sampler

D. Dry C. Core 1 W. A. 1000

Proportions Used
Trace 0.0010%

Cohesionless Density | Cohesive Consistency

UP: Undisturbed: 100%

10 to 20%.

Cohesive Consistency

10: Test Pt A Auger V. Vane Test

some 20 to 35%.

Q 10 Loose

0.4 Soft 30 + Hard

UT Undisturbed Throwoff

and 35 to 50%

10:30 Med Dense
10:50 Dense

4-8 M/Stiff

8-15 Sulf
15-30 V-Sulf

SUMMARY

SUMMARY
Earth Binding 61

Rock Coring _____

Samples 3

HOLE NO 12-333

TO Texas Instruments ADDRESS Attleboro, Mass. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above / Bldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/10/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/10/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

4560

"CASING THEN

Sample Type

Proportions Used

140lb Wt - 30' fall on 2" O.D. Sampler

D: Dry C: Cured W: Waxed

Trace 11010%

Cohesionless Density

Cohesive Consistency

UP: Undisturbed Position

width	10 to 100%
height	10 to 200%

0 10 Loose

(1) 4 Soft 30 + Hard

TP= Test Pt A: Auger V: Vane Test

some 20 to 35%

10-30 Med Dense

4-A M/Siff

UT - Undistorted Thinwall

and 35 to 50 1/2

30-50 Dense
50+ Very Dense

8:15 Stiff
15:30 V-Stiff

SUMMARY

Earth Boring 6

Rock Coring

Samples 3

HOLE NO 12-33

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

'CASING THE N

140 lb WI x 30' fall on 2 00 Sampler

Cohesive Consistency

0.4 Soft 30 + Hard

4-8 M/Suff

8-15 Shift
15-30 V-Shift

SUMMARY
Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-33

LINE & STA _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb WT + 30' fall on 2" O.D. Sampler				
0: Dry, Cored & Ash-bed		trace 0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring <u>6</u>
UP: Undisturbed Piston		little 10 to 20%	0-30	Loose	0-4	Soft 30 + Hard	Rock Coring
10: Test Pit - A Auger - Vane Test		some 20 to 35%	10-30	Med Dense	4-8	M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall		and 35 to 50%	30-50	Dense	8-15	Stiff	
			50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-33

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb WT x 30" fall on 2" O.D. Sampler		
D-Dry C-Cored A-Airshot	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring 6
UP-Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard	Rock Coring
TP-Test Pit A-Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples 3
UT-Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-3

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type	Proportions Used	140lb WT x 30" fall on 2" O.D. Sampler	Cohesionless Density		Cohesive Consistency	Earth Boring	6'
D-Dry C-Cored W-Washed	trace 0to10%	0-10 Loose	0-4 Soft		30 + Hard	Rock Coring	
UP-Undisturbed Piston	little 10to20%	10-30 Med Dense	4-8 M/Stiff			Samples	3
TP-Test Pit A-Auger V-Vane Test	some 20to35%	30-50 Dense	8-15 Stiff				
UT-Undisturbed Throwall	and 35to50%	50+ Very Dense	15-30 V-Stiff				

HOLE NO12-340

HOLE NO. 12-46-374
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/10/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/10/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"		BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24"	24"
		2'-4'	D	"	"	"			" "	2	24"	12"
		4'-6'	D	"	"	"			" "	3	24"	12"
								6'				
									Bottom of Boring 6'			

CASING T IEN

140lb Wt x 30" tall x 2' O D Sampler

Cohesive Consistency

() - 4 Soft

4.8 M/S/11/1

8-15 Shift
15:30 V-5:10

Earth Boring 6

Samples _____

HOLE NO 12-34:

ADDRESS Attleboro, Mass.
LOCATION Attleboro, Mass.

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	11/10/94
		Size _____	3 1/2"	_____	COMPLETE	11/10/94
At _____	after _____ Hours	hammer Wt _____	300#	_____	TOTAL HRS.	_____
		hammer F. _____	30"	BIT	BORING FOREMAN	R. Allen
					INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____	USED _____	CASING THEN _____	SUMMARY _____
Sample Type	Proportions Used	140lb Wt + 30" Fall on 2" O.D. Sampler	Earth Boring _____
D-Dry, C-Cracked, A-Absent	trace 0 to 10%	Cohesionless Density	Cohesive Consistency
UP Undisturbed Piston	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard
UP Test Pit, A-Auger, V-Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff
UP Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff
		50 + Very Dense	15-30 V-Stiff
			ROCK SAMPLES _____
			HOLE NO 12-34 _____

RULE NO. _____
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	"CASING THEN"		SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler			
Dry C Cored W/ Sealed		trace 0 to 10%	Cohesionless Density	Cohesive Consistency		Earth Boring <u>4</u>
UP: Undisturbed Piston		little 10 to 20%	0-10 Loose	0-4 Soft	30 + Hard	Rock Coring
TP: Test Pit - A Auger - Vane Test		some 20 to 35%	10-30 Med Dense	4-8 M/Stiff		Samples <u>2</u>
UT: Undisturbed Thinwall		and 35 to 50%	30-50 Dense	8-15 Stiff		
			50 + Very Dense	15-30 V-Stiff		

HOLE NO 12-34

HOLE NO. D-14-242
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY			
Sample Type		Proportions Used	140lb WT x 30" fall on 2 O.D. Sampler						
			Cohesionless Density		Cohesive Consistency				
D-Dry	C-Cored	W-Washed	trace	0 to 10%	0-10	Loose	0-4	Soft	30 + Hard
UP	Undisturbed Piston		little	10 to 20%	10-30	Med Dense	4-8	M/Stiff	
TP	Test Pit A Auger V-vane Test		some	20 to 35%	30-50	Dense	8-15	Stiff	
UT	Undisturbed Throwall		and	35 to 50%	50 +	Very Dense	15-30	V-Stiff	

EARTH BORING LOG NO 12-345
 HOLE NO 12-345

RULE NO. 0-22-540
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

UT: Undisturbed thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

15-30 V-SUM

Samples 3

HOLE NO 12-346

HOLE NO B-12-347
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO12-34

HOLE NO. B-12-348
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/10/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/10/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	Bl _____	BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30" fall on 2 O.D. Sampler				
D Dry C-Cored W-Washed		trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>6</u>
UP Undisturbed Piston		little 10 to 20%	0-10 Loose		0-4 Soft 30 + Hard		Rock Coring
TP Test Pit A Auger V Vane Test		some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples <u>3</u>
UT Undisturbed Thinwall		and 35 to 50%	30-50 Dense		8-15 Stiff		HOLE NO 12-34
			50 + Very Dense		15-30 V-Stiff		

HOLE NO. B-12-349
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START	11/10/94
			Size: D _____	3 1/2"	_____	COMPLETE	11/10/94
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS.	
			Hammer Fall _____	30"	_____	BORING FOREMAN	R. Allen
					BIT	INSPECTOR	_____
						SOILS ENGR.	_____

[illegible]

USED "CASING THEN

Proportions Used

Proce 01010%

the 10 to 20%

some 20.1035%

and 35 to 50%

140lb WI x 30' tall on 2 00 Sampler

Cohesionless Density

0 10 Loose

10:30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

O-4 Soft

4-B M/Shift

8-15 Staff
15-20 1st Lt

SUMMARY

Earth Boring 61

Rock Coring _____

Samples 3

HOLE NO 12-34

DATE _____
HOLE NO. B-12-350
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above Bldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

<u>Date</u>	<u>Time</u>
11/11/94	
11/11/94	
S. <u>REMAN J. Medeiros</u>	
R. _____	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ Hours	Type _____	S/S _____	_____	START 11/11/94	_____
		Size ID _____	3 1/2" _____	_____	COMPLETE 11/11/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	_____
		Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USE ()

"CASING THEN

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
U: Undisturbed Thin soil

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
mod.	35 to 50%

140lb Wt + 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff

SUMMARY
Earth Boring 6
Rock Coring
Samples 3

EAST PROVIDENCE, R I

DATE _____
HOLE NO. B-12-351
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/11/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/11/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____" CASING THEN _____

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pin A: Auger V: Vane Test

Proportions Used

Trace 0.1010%

title	10	1020%
101020%		

some 201035%

'CASING THEN

140lb Wt x 30" tall on 2" O.D. Sampler

Cohesionless Density

0 10 1.008

10-30 Med Dense
10-50 Dense

on 2" O.D. Sampler

Cohesive Consistency

Q-4 Soft

4-8 M/Siff

SUMMARY:

Earth Boring 4

Rock Coring _____

Samples 2

TO Texas Instruments
PROJECT NAME Low Level Radiation Invest
REPORT SENT TO above / Bldg
SAMPLES SENT TO Taken at Site

ADDRESS Attleboro, Mass.
LOCATION Attleboro, Mass.
#5 PROJ NO _____
OUR JOB NO 95-41

DATE _____
HOLE NO. B-12-35
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____		<u>S/S</u>		START <u>11/11/94</u>	
		Size D _____		<u>3½"</u>		COMPLETE <u>11/11/94</u>	
At _____	after _____ hours	Hammer Wt _____		<u>300#</u>		TOTAL HRS. _____	
		Hammer Fall _____		<u>30"</u>	BIT _____	BORING FOREMAN <u>J. Medeiros</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED.

CASING

THEN

Sample Type

D: Dry C: Cored W: Washed

UP : Undisturbed fission

TP: Test Pit A: Auger V: Vane Test

Proportions Used

more (1) 1010%

little 10 to 20%

some 2019 35%

140lb Wt x 30' fall on 2" O.D. Sampler

Cohesionless Density

O 10 Loose

10:30 Med Dense
30:50 Dress

Don 2 OD Sampler

Cohesive Consistency

0-4 Soft

4-8 M/Shift

SUMMARY:

Earth Boring 6

Rock Coring _____

Samples 3

EAST PROVIDENCE, R I

DATE _____
HOLE NO. B-12-353
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

PROJ NO _____
OUR JOB NO 95-41

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

At _____ after _____ Hours

CASING

SAMPLER

CORE BAR

Type

S/S

See U

3½"

immer wi

300

Hommer Folt

30"

BIT

START 11/11/94 _____
COMPLETE 11/11/94 _____
TOTAL HRS. _____
BORING FOREMAN R. Allen
INSPECTOR _____
SOILS ENGR. _____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

Proportions Used

140lb Wt. & 30" fall on 2' O D Sampler

D-Dry C-Cored W: Ashed

trace () to 10%

Cohesionless Density

Cohesive Consistency

UP Undisturbed Piston

10 to 20%

U 10 Loose

0-4 Soft 30 + Hard

TP: Test Pit A-Auger V: Vane Test

some 20 to 35%.

10-30 Med Dense

4-8 M/Shift

SUMMARY:

Earth Boring _____

Rock Coring _____

Samples



DATE _____
HOLE NO. B-12-354
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S _____	_____	START 11/11/94	_____
		Size ID _____	3 1/2" _____	_____	COMPLETE 11/11/94	_____
At _____	after _____ hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN <u>J. Medeiros</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED _____ CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff

SUMMARY
Earth Boring _____ 6'
Rock Coring _____
Samples _____ 3

HOLE NO. B-12-35
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type		Proportions Used		140lb Wt x 30" fall on 2" O.D. Sampler		SUMMARY:	
				Cohesionless Density		Cohesive Consistency	
D: Dry	C: Cored	W: Washed		0-10	Loose	0-4	Soft 30 + Hard
UP: Undisturbed	Piston	little	10 to 20%	10-30	Med. Dense	4-8	M/Shift
TP: Test Pit	A: Auger	V: Vane Test	some	30-50	Dense	8-15	Stiff
UT: Undisturbed	Thinwall	and	35 to 50%	50 +	Very Dense	15 +	Very Stiff

Earth Boring _____

Rock Coring _____

Samples 3

HOLE NO 12-2

DATE _____
HOLE NO. B-12-356
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	hours _____	Type _____	S/S _____	_____	START 11/11/94	_____
			Size: D _____	3 1/2" _____	_____	COMPLETE 11/11/94	_____
At _____	after _____	hours _____	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
			Hammer Fall _____	30" _____	_____	BORING FOREMAN <u>J. Medeiros</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	'12
		2'-4'	D	"	"	"			" "	2	24	'1
		4'-6'	D	"	"	"			" "	3	24	'1
								6'	Bottom of Boring 6'			

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med. Dense	4-8 M/Stiff
30-50 Dense	8-15 C-Stiff

Earth Boring 6'
Rock Coring
Samples 3

EAST PROVIDENCE, R I

DATE

HOLE NO. B-12-357

LINE & STA.

OFFSET

SURF. ELEV.

to Texas Instruments

PROJECT NAME Low Level Radiation Invest

REPORT SENT TO above / Bldg. #5

SAMPLES SENT TO Taken at Site

ADDRESS Attleboro, Mass.

LOCATION Attleboro, Mass.

PROJ NO

OUR JOB NO 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/14/94	_____
		Size ID _____	3 1/2"	_____	COMPLETE 11/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING:

THEN

Sample Type

D: Dry C: Cored W: Ashed

UP - Undisturbed Fission

Test For A: Auger V: Vane Test

Proportions Used

Trace 0 to 10%

Rate	10 to 20%
Rate	10 to 20%

same 2019 35%.

140lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

on 2' O.D. Sampler

Cohesive Consistency

0-4 Soft 30+ Hard

4-8 M/Stiff

SUMMARY:

Earth Boring 31

Rock Coring

Samples 2

HOLE NO. D-14-330
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	11/11/94	_____
COMPLETE	11/11/94	_____
TOTAL MRS.		
BORING FOREMAN	J. Medeiros	
INSPECTOR	_____	
SOILS ENGR.	_____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

Sample Type

D: Dry C: Cored W: Ashed

UP: Undisturbed fission

TP= Test Pit A= Auger V= Vane Test

Proportions Used

Trace 0.0000%

title 10 to 20%.

some 201035%

140lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med. Dense

Cohesive Consistency

0-4 Soft

4-8 M/Shift

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOI F NO 12-35

PROJECT NAME LOW Level Radiation Invest LOCATION Attleboro, Mass.

REPORT SENT TO above / Bldg. #5

PROJ NO _____

OFFSET

SAMPLES SENT TO Taken at Site

OUR JOB NO. 95-41

SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/14/94	_____
_____	_____	_____	Size: D _____	3 1/2"	_____	COMPLETE 11/14/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
_____	_____	_____	Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

"CASING: THEN

Sample Type

D: Dry C: Cored W: Noised

UP: Undisturbed Piston

TP= Test Pit A= Auger V= Vane Test

UT: Undisturbed Thinwall

Proportions Used

trace 0.1010%

little	10 to 20%
--------	-----------

some 20 to 35%

and 35 to 50%

140lb Wt. x 30" tall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense
10-50 Dense

30-50 Dense
50+ Very Dense

CONCLUSIONS

Cohesive Consistency

0.4 Soft 30 + Hard

4-8 M/Stiff

8-15 Shift
15-30 V-Shift

15 30 4 3110

SUMMARY;

Earth Boring

Rock Coring

Samples 3

HOLE NO12-359

TOWN PRESS -- EAST PROV

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

T	Casing	Sample	Type	Blows per 6"	Moisture	Strata	SOIL IDENTIFICATION	SAMPLE
---	--------	--------	------	--------------	----------	--------	---------------------	--------

GROUND SURFACE TO		USED		"CASING" THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2' O.D. Sampler			
D: Dry	C: Cored	A: Augered	Trace	0 to 10%	Cohesionless	Density	Cohesive Consistency
UP: Undisturbed	Piston		little	10 to 20%	0-10	Loose	0-4 Soft 30 + Hard
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8 M/Stiff
UT: Undisturbed	Thinwall		and	35 to 50%	30-50	Dense	8-15 Stiff
					50 +	Very Dense	15-30 V-Stiff
						Earth Boring	6'
						Rock Coring	
						Samples	3
HOLE NO 12-360							

PROJECT NAME Low Level Radiation Invest
REPORT SENT TO above / Bldg
SAMPLES SENT TO Taken at Site

LOCATION Attleboro, Mass
3. #5 PROJ NO _____
OUR JOB NO 95-41

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	11/11/94
		Size: D _____	3 1/2"	_____	COMPLETE	11/11/94
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS.	
		Hammer Fall _____	30"	BIT	BORING FOREMAN	J. Medeiros
					INSPECTOR	
					SOILS ENGR.	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

"CASING THEN

Sample Type

Proportions Used

140lb Wt x 30" fall on 2' O D Sampler

SUMMARY

D: Dry C: Cured W: Wet

Proportions Used
Trace 0.1010%

Cohesionless Density

Cohesive Consistency

Earth Boring 6'

UP: Undisturbed Fission

total	0.1010 %
little	10 to 20%

0 10 Loose

0-4 Soft 30 + Hard

Rock Coring _____

Tr. Test Pt. A Auger 7. Vane Test

some 2010 35%

10-30 Med. Dense

4-8 M/Siff

Samples 3

UT: Undisturbed Throwall

and 35 to 50%

30-50 Dense
50 + Very Dense

0-15 Sml
15-30 V-Sml

HOLE NO12-361

HOLE NO. 0-44-302
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO	USED	"CASING	THEN	
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler		SUMMARY:
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	6-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-362

OFFSET _____
SURF. F.LEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/15/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/15/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

USED "CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt. x 30" tall on 2' O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-36

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At <u>None</u>	after _____ Hours	Type _____	<u>S/S</u>	_____	START <u>11/12/94</u>	_____
		Size: D _____	<u>3"</u>	_____	COMPLETE <u>11/12/94</u>	_____
At _____	after _____ Hours	Hammer Wt _____	<u>300#</u>	_____	TOTAL HRS. _____	
		Hammer Fall _____	<u>30"</u>	_____	BORING FOREMAN <u>A. Whitaker</u>	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows	Not Taken			0.5'	Asphalt	1	24"	
		2'-4'	D	"	"	"		3'	Dark Brown fine to coarse SAND & Gravel Brown fine to medium SAND, little gravel	2	24"	
		4'-6'	D	"	"	"		6'	Brown fine to medium SAND	3	24"	
									Bottom of Boring 6'			

GROUND SURFACE TO

USED

'CASING

HEN

Sample Type

Proportions Used

140lb Wt. x 30" fall on 2' O.D. Sampler

SUMMARY:

D: Dry C: Cored W: Ashed

Proportions Used
1000 0.1000%

Cohesionless Density

Cohesive Consistency

SUMMARY 6
Earth Boring

UP: Undisturbed Fission

male	0 to 10%
female	10 to 20%

2-10 **Loose**

0-4 Soft 30 + Hard

Rock Coring _____

TP: Test Pit A: Auger V: Vane Test

some 201035%

10-30 Med Derse

4-8 M/Suff

Samples 3

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Stiff
15-30 V-Stiff

HOLE NO 12-36

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" OD Sampler				SUMMARY:	
D: Dry C: Cored W: Washed	Trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>6</u>	
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft	30 + Hard		Rock Coring _____	
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff			Samples <u>3</u>	
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff				
		50 + Very Dense	15-30 V-Stiff				

HOLE NO 12-36

TO Texas Instruments ADDRESS Attleboro, Mass. LINE & STA. _____
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass. OFFSET _____
REPORT SENT TO above Bldg. #5 PROJ. NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	11/12/94
		Size ID _____	3 1/2"	_____	COMPLETE	11/12/94
		Hammer Wt _____	300#	_____	TOTAL MRS.	_____
At _____	after _____ Hours	Hammer Fall _____	30"	_____	BORING FOREMAN	R. Allen
				BIT	INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

Sample Type

D: Dry C: Cored W: Washed

UF Undisturbed Piston

TP= Test Pit A: Auger V: Vane Test

UT - Undisturbed Thinwall

Proportions Used

| trace | 0.1 to 10% |

little 10 to 20%.

none	101020 %
some	201035%

and 35 to 50%

140lb Wt x 30" fall on 2' O D Sampler

Cohesionless Density

0-10 Loose

10:30 Med Dense
10:50 Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Stiff

8-15 Stiff
15-30 V-Stiff

SUMMARY:

Earth Boring

Rock Coring _____

Samples 3

HOLE NO 12-366

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____	USED _____	"CASING THEN _____	
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" OD Sampler	SUMMARY:
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring _____
TP: Test Pit A: Auger V: Vane Test	some 20 to 35%	10-30 Med. Dense	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-367

TO Texas Instruments ADDRESS Attleboro, Mass.
PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/12/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/12/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

"CASING

THEN

Sample Type

D = Dry C = Cored W = Assured

UP: Undisturbed Piston

TP = Test Pit A = Auger V = Vane Test

UT = Undisturbed Thinwall

Proportions Used

trace 0.1010%

10 to 20%

some 20 to 35%

and 35 to 50%

140lb Wt. x 30" tall on 2' O.D. Sampler

Cohesionless Density

0 10 Loose

10-30 Med. Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0.4 Soft

4-8 M/Stiff

8-15 SHH
15-30 V-SHM

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-368

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

USED "CASING THEN

UT = Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Stiff
15-30 V-Stiff

Samples 3

HOLE NO 12-369

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

UT: Undisturbed Thinwall

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Siff
15-30 V-Siff

Samples 3

HOLE NO 12-370

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING. THEN

HOLE NO 12-371

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO	USED	"CASING	THEN	
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler		SUMMARY:
D: Dry C: Cored W: Washed	Trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
UP: Undisturbed Piston	Nil 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TP: Test Pit A: Auger V: Vane Test	Some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-372

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USE()	"CASING THEN _____	
<u>Sample Type</u>		Proportions Used	140lb Wt. x 30" fall on 2' O.D. Sampler	<u>SUMMARY:</u>
D: Dry C: Cored W: Washed		trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP: Undisturbed Piston		little 10 to 20%	0-10 Loose	Rock Coring _____
TP: Test Pit A: Auger V: Vane Test		some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UT: Undisturbed Thinwall		and 35 to 50%	30-50 Dense	
			50+ Very Dense	
			0-4 Soft 30+ Hard	
			4-8 M/Stiff	
			8-15 Stiff	
			15-30 V-Stiff	

HOLE NO 12-37

HOLE NO. D-16-214
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At <u>None</u>	after _____ Hours	Type _____	_____	<u>S/S</u>	_____	START <u>11/12/94</u>	_____
		Size: D _____	_____	<u>3"</u>	_____	COMPLETE <u>11/12/94</u>	_____
At _____	after _____ Hours	Hammer Wt. _____	_____	<u>300#</u>	BIT _____	TOTAL HRS. _____	
		Hammer Fc. _____	_____	<u>30"</u>	_____	BORING FOREMAN <u>A. Whitaker</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

HOLE NO 12-374

HOLE NO. 0-2-515
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	11/12/94	8:00
COMPLETE	11/12/94	8:00
TOTAL MRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

[illegible]

"CASING THEN

SUMMARY:
Earth Boring 6
Rock Coring 1
Samples 3

HOLE NO 12-375

HOLE NO. B-12-377
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/12/94	_____
		Size I D _____	3 1/2"	_____	COMPLETE 11/12/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USED "CASING THEN

Proportions Used

140lb Wt x 30" tall on 2' O D Sampler

Proportions Used
1:250 0.1610%

Cohesionless Density

Cohesive Consistency

little	10 to 20%
--------	-----------

0.10 Loose

O-4 Soft

some 20 to 35%

10-30 Med. Dense
30-50 Dense

4-8 M/Stiff
8-15 S-11

and 35 to 50%

50 + Very Dense

8-15 Shift
15-30 V-Shift

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-37

HOLE NO. B-12-3/8
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	11/12/94	a.m. p.m.
COMPLETE	11/12/94	a.m. p.m.
TOTAL HRS.		
BORING FOREMAN	<u>A. Whitaker</u>	
INSPECTOR		
SOILS ENGR.		

[illegible]

SUMMARY:
Earth Boring 6
Rock Coring _____
Samples 3

HOLE NO 12-378

HOLE NO. B-12-319
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S _____	_____	START 11/12/94	_____
			Size: D _____	3" _____	_____	COMPLETE 11/12/94	_____
At _____	after _____	Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
			Hammer Fall _____	30" _____	_____	BORING FOREMAN <u>A. Whitaker</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

Sample Type
D= Dry C= Cored W= Washed
UP= Undisturbed Piston
TP= Test Pit A= Auger V= Vane Test
UT= Undisturbed Thinwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY:
 h Boring 6
 k Coring 3
 samples 3

HOLE NO 12-379

HOLE NO. B-12-380
LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/12/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/12/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

Sample Type
D: Dry C: Cored W: Washed
UP: Undisturbed Piston
TP: Test Pit A: Auger V: Vane Test
UT: Undisturbed Thinwall

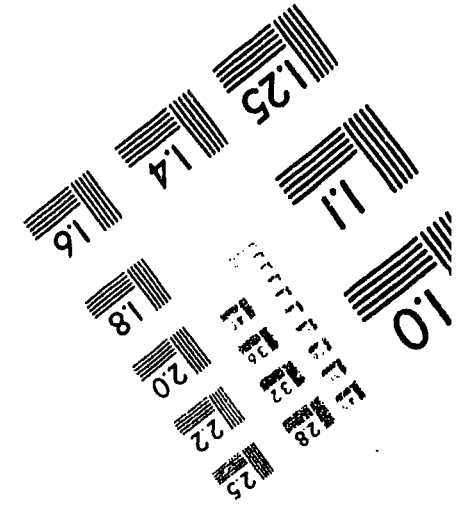
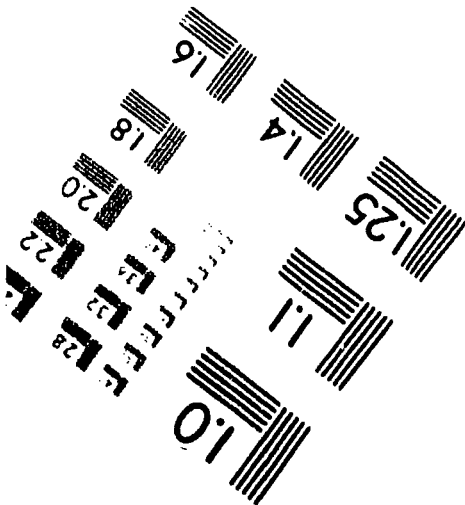
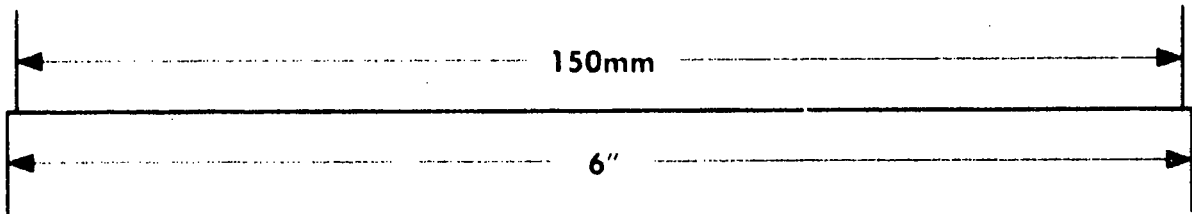
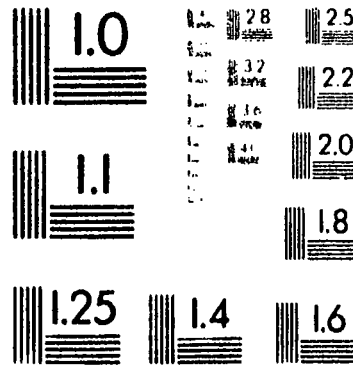
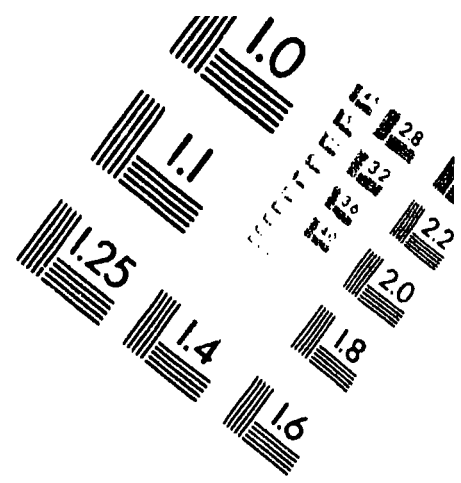
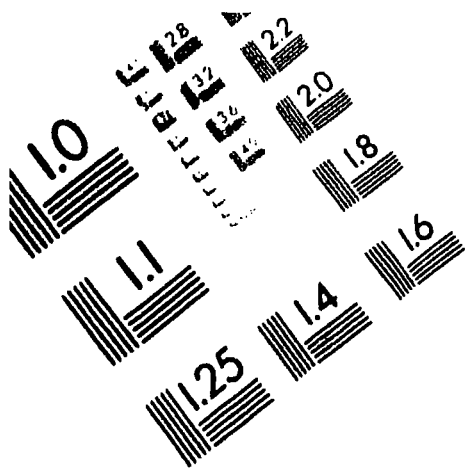
Proportions Used	
Trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med. Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6'
Rock Coring 3
Samples 3

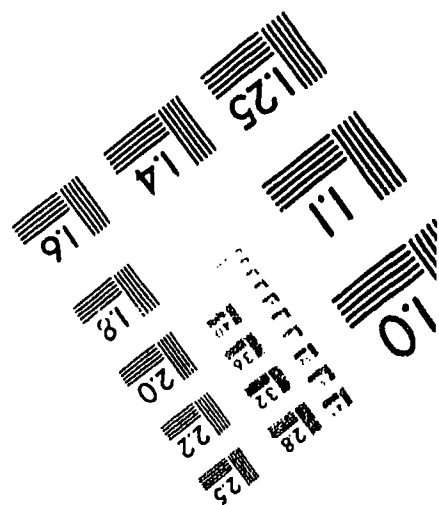
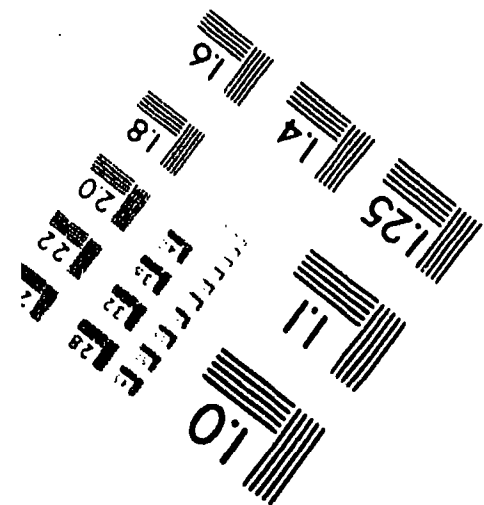
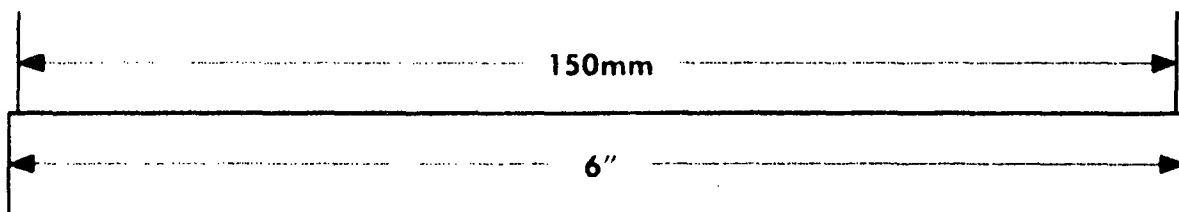
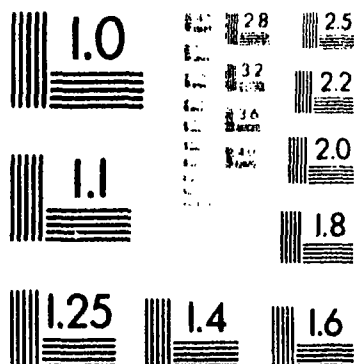
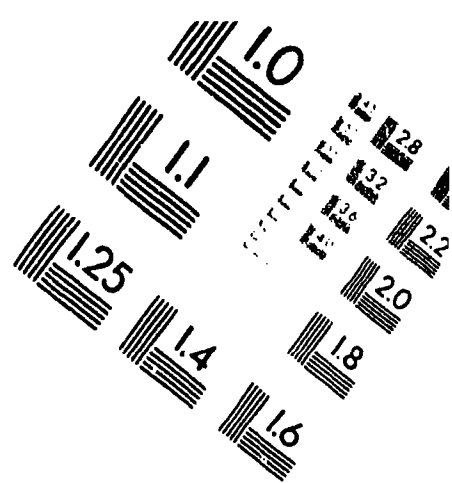
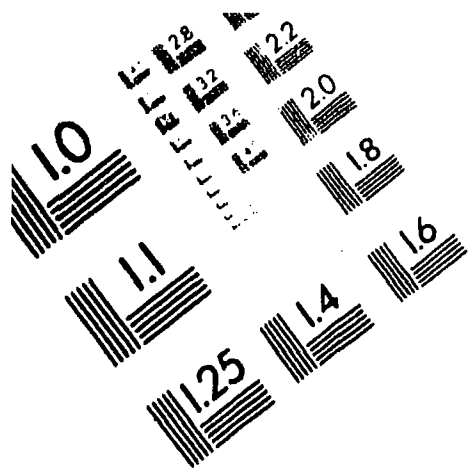
HOLE NO 12-38

**IMAGE EVALUATION
TEST TARGET (MT-3)**



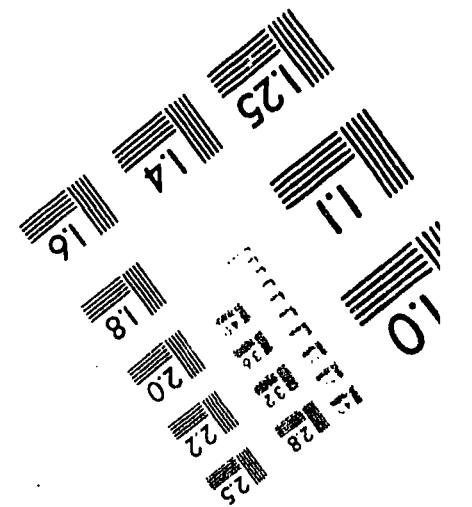
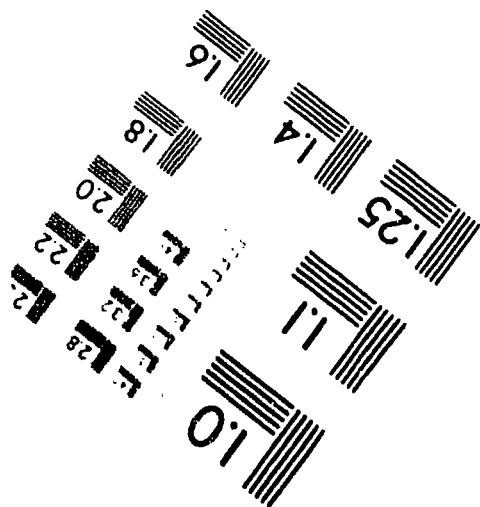
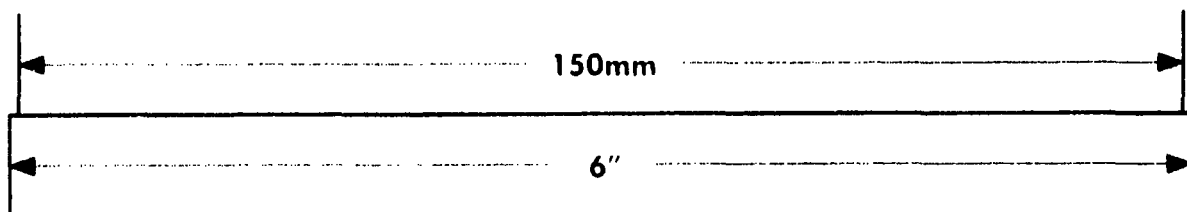
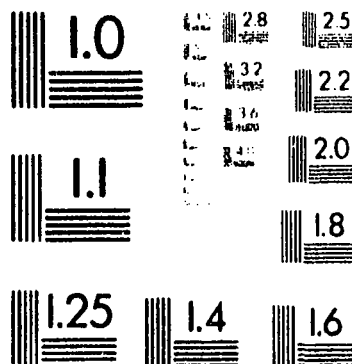
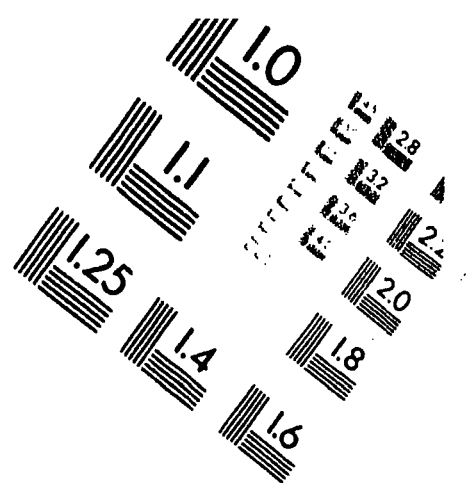
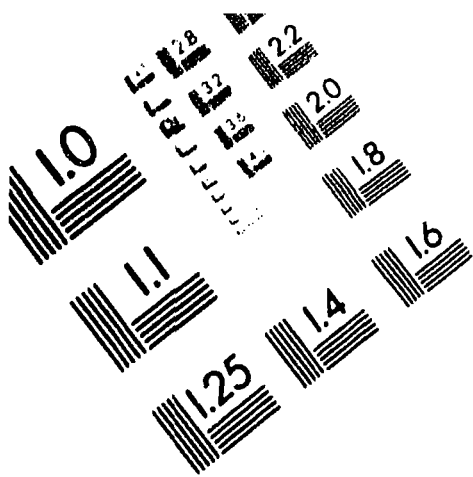
PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 265-1600

**IMAGE EVALUATION
TEST TARGET (MT-3)**



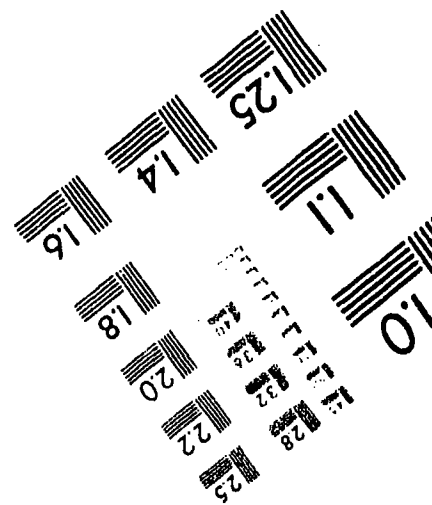
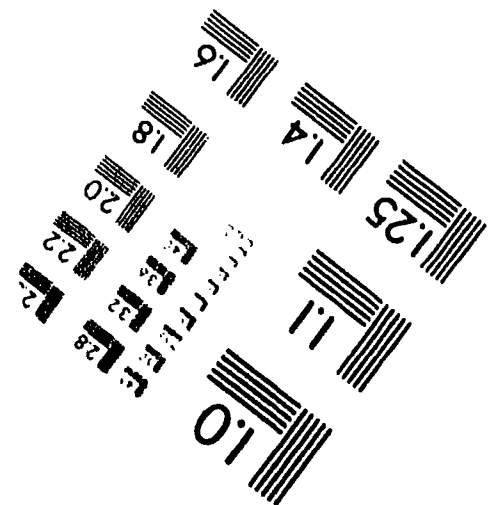
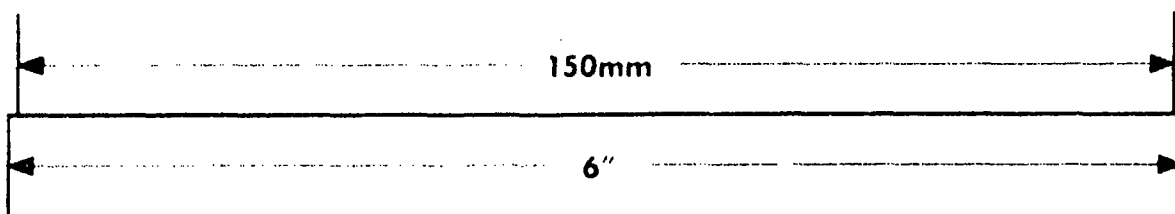
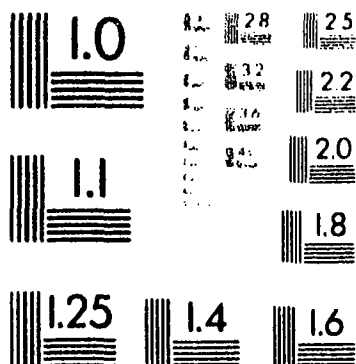
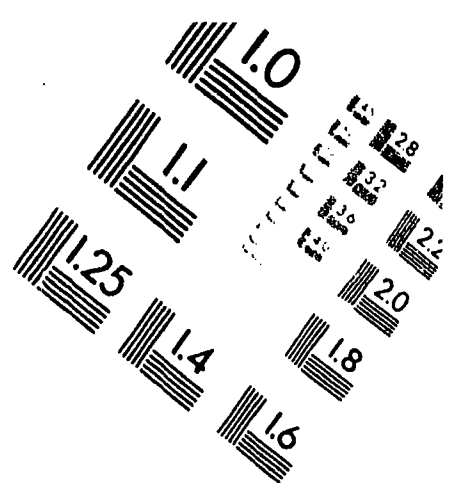
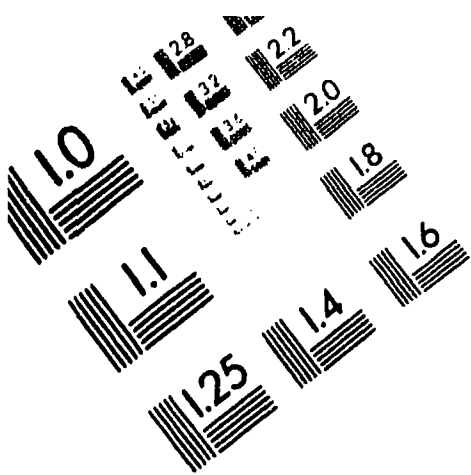
PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 265-1600

**IMAGE EVALUATION
TEST TARGET (MT-3)**



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 265-1600

**IMAGE EVALUATION
TEST TARGET (MT-3)**



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 265-1600

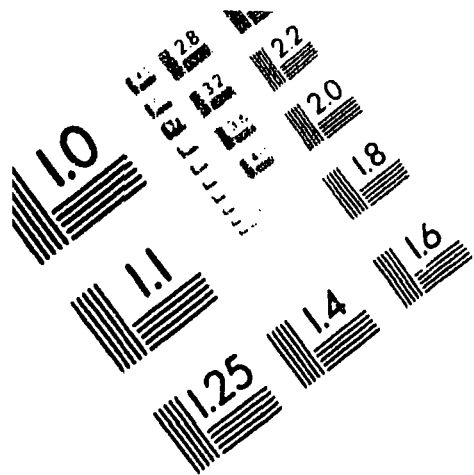
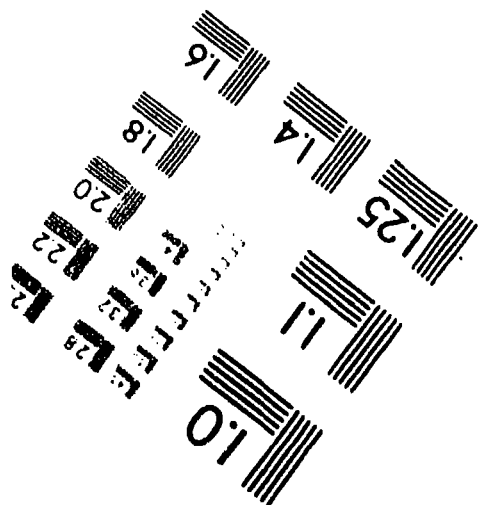
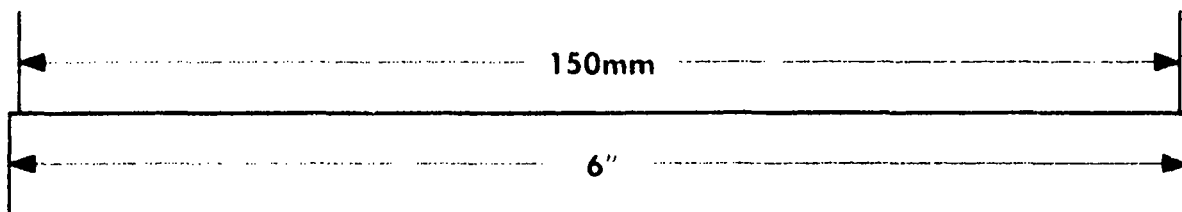
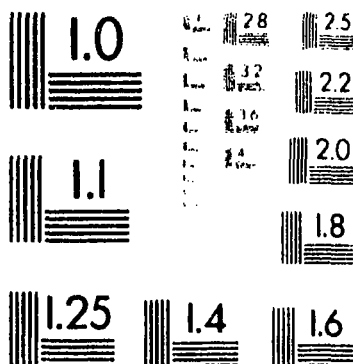
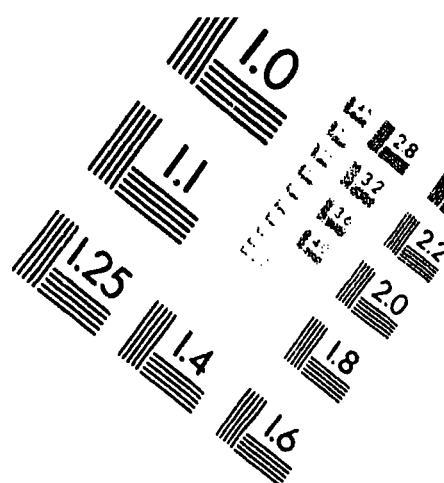
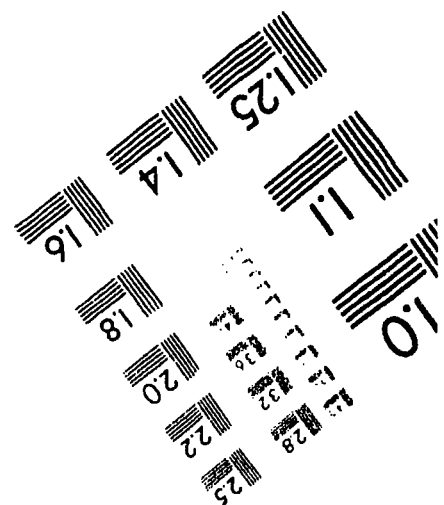


IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION
770 BASKET ROAD
P.O. BOX 338
WEBSTER, NEW YORK 14580
(716) 265-1600



SURF. ELEV. _____

LOCATION OF BORING

[illegible]

CASING THEN

140 in WT + 30' fall on 2 C.C. Sampler

Pressureless Density

Cohesive Consistency

30 Med Dense

30-50 Dense

Earth Binding 6

Rock Coring

Samples 3

HOLE NO 12-38

SURF. ELEV. _____

LOCATION OF BORING _____

GROUND WATER		TEST		TESTING		THEN		SUMMARY	
Sample Type	Proportions used	140 lb wt	30 lb for 2	30 Sampler				Earth Boring	5
0 Dry 0 Cores A water	100%	Corrosionless Density	Consistency					Rock Coring	
00 undisturbed water	100%	0 0 Loose	0 4 Soft	30 + Hard				Samples	3
100 undisturbed water	100%	0 30 Med dense	4 8 M/Stiff						
100 Test for A type	200%	30 50 Dense	8 15 Stiff						
100 Test for A type	200%	50 + Very Dense	15 30 V-Stiff						
100 undisturbed water	100%								

HOLE NO 12-38

HOLE NO 12-382

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ hours	Type _____	S/S	_____	START	11/13/94
		Size ID _____	3 1/2"	_____	COMPLETE	11/13/94
		Hammer Wt _____	300#	_____	TOTAL HRS	_____
At _____	after _____ hours	Hammer Fall _____	30"	BIT	BORING FOREMAN	J. Medeiros
					INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30 fall on 2 1/2" Sampler		Earth Boring <u>6'</u>
D Dry Cased & Mined	fine 10 to 15%	Coneless Density	Cohesive Consistency	Rock Coring
UP Undisturbed Piston	fine 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard	Samples <u>3</u>
TP Test Pit & Auger & Fine Test	same 20 to 35%	10-30 Med Dense	4-8 M/Stiff	
UT Undisturbed Through	fine 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-38

LOCATION OF BORING _____

GROUND SURFACE TO		SED.	ASING		THIN	SUMMARY	
Sample Type		Proportions used	40lb Wt. 30 lb. on 2 1/2" Sampler				
D. Dry C. Cores A. Wet		Moist. 0-10%	Consolid. Density	Cons. Consistency			Earth Boring 6'
UP Undisturbed Station		Moist. 10-20%	1-2 Loose	2-4 Soft	30 - Hard		Rock Coring
TP Test Pit A. Auger B. Core Test		Moist. 20-35%	10-30 Med Dense	4-8 M/Stiff			Samples 3
UT Undisturbed Thinwall		Moist. 35-50%	30-40 Dense	8-15 Stiff			
		Moist. 50-60%	40-50 Very Dense	15-30 V-Stiff			

HOLE NO12-384

SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	_____	S/S	_____	START 11/13/94	_____
		Size D _____	_____	3 1/2"	_____	COMPLETE 11/13/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300#	31"	TOTAL HRS. _____	_____
		Hammer Fall _____	_____	30"	_____	BORING FOREMAN <u>J. Medeiros</u>	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

USED	CASING	THEN
Proportions 1:1:1	140lb Wt x 30 fall on 2" O.D. Sampler	
face 0 to 10%	Concreteness Density	Cohesive Consistency
fine 10 to 20%	0-10 Loose	0-4 Soft 30 + hard
same 20 to 35%	10-30 Med Dense	4-6 M/Stiff
and 35 to 50%	30-50 Dense	8-15 Stiff
	50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO 12-385

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START	11/13/94
At _____	after _____ Hours	Size: D _____	3 1/2"	_____	COMPLETE	11/13/94
		Hammer Wt _____	300#	BIT	TOTAL HRS.	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN	J. Medeiros
					INSPECTOR	_____
					SOILS ENGR.	_____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sample			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24'	2
		2'-4'	D	"	"	"			" "	2	24'	2
		4'-6'	D	"	"	"			" "	3	24'	2
								6'				
									Bottom of Boring 6'			

GROUND SURFACE TO	USE	CASING	THEN	SUMMARY
Sample Type	Proportions Use 1	140lb Wt + 30' fall on 2" O.D. Sampler		Earth Boring <u>6'</u>
D Dry C Cored W. Auger	trace 0 to 10%	Cohesless Density	Cohesive Consistency	Rock Coring <u>3</u>
UP Undisturbed Piston	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Samples <u>3</u>
TP Test Pit A Auger & Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Shiff	
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50 + Very Dense	15-30 V-Stiff	

HOLE NO 12-38

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/13/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/13/94	_____
At _____	after _____ Hours	Recovery Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO		USED	CASING	THEN	SUMMARY	
Sample Type		Proportions Used	40lb Wt + 30 fall on 2 0.0 Sampler			
D Dry C Cored W. Washing		trace 0.1 to 0.9%	Cohesionless Density	Cohesive Consistency	Earth Boring	6
UP Undisturbed Fusion		fine 1.0 to 20%	0.0 Loose	0-4 Soft 30 + Hard	Rock Coring	
100 Test Pits A Auger V. Cone Test		same 20 to 35%	10-30 Med Dense	4-8 M/Shift	Samples	3
UT Undisturbed Thin wall		and 35 to 50%	30-50 Dense	8-15 Shift		
			50 + Very Dense	15-30 V-Shift		

HOLE NO 12-38

LOCATION OF BORING _____

GROUND SURFACE TO _____	USED _____	CASING _____	THEN _____	SUMMARY _____
Sample Type	Proportions Used	140lb WT x 30" fall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency
D: Dry C: Cores W: Washed	trace	0 to 10%	0-10 Loose	0-4 Soft 30+ Hard
UP: Undisturbed Piston	slite	10 to 20%	10-30 Med Dense	4-8 M/Stiff
TP: Test Pit A: Auger V: Vane Test	some	20 to 35%	30-50 Dense	8-15 Stiff
UT: Undisturbed Thinwall	and	35 to 50%	50+ Very Dense	15-30 V-Stiff

Earth Boring 6'
 Rock Coring _____
 Samples 3
HOLE NO12-388

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30 fall on 2 O.D. Sampler					
				Cohesiveness Density		Cohesive Consistency		Earth Boring	
D-Dry	C-Cored	Wt	0 to 10%	0-10	Loose	0-4	Soft	30 + Hard	6'
UP	Undisturbed	Piston	10 to 20%	10-30	Med Dense	4-8	M/Stiff		Rock Coring
TP	Test Pit	A-Auger	20 to 35%	30-50	Dense	8-15	Stiff		Samples
UT	Undisturbed	Thiwall	35 to 50%	50 +	Very Dense	15-30	V-Stiff		

HOLE NO 12-389

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	_____	S/S _____	_____	START 11/13/94	_____
		Size: D _____	_____	3 1/2" _____	_____	COMPLETE 11/13/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300# _____	BIT _____	TOTAL MRS. _____	_____
		Hammer Fall _____	_____	30" _____	_____	BORING FOREMAN J. Medeiros	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USE 12

CASING

THEN

Sample Type

D: Dry C: Cored W: Aged

UP - Undisturbed Piston

TF= Test Fit A= Auger V= Vane Test

UT - Undisturbed Thinwall

Proportions Used

Price 0.10+0%

10/20/92

some 201035%

35 to 50%

1401b W1 x 30 fall on 2 O.D. Sampler

Cohesionless Density

0 : 0 Loose

10:30 Med Dense
10:50 Dress

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Suff

8-15 Stiff
15-30 V-Stiff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-391

LOCATION OF BORINGGROUND SURFACE TO

UT Undisturbed In-situ

USE ()

3510501%

CASING

THE N

30-50 Dense
50+ Very Dense

H-15 Stiff
15:30 V-Stiff

Samples 3

HOLE NO 12-39

REPORT SENT TO _____
SAMPLES SENT TO Taken at Site PROJ. NO. _____
OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/13/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 11/13/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS. _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

1510

CASING

THE N

Sample Type

Proportions Used

140lb Wt x 30 full on 2' O D Sampler

SUMMARY

D-Dry C-Covered W-Waterproof

Trace 01010%

Cohesionless Density

Cohesive Consistency

Earth Boring

UP Undisturbed Position

type .01 to 20%

619 Loose

0-4 Soft 30 + Hard

Rock Coring

TP: Test P. A-Auger V-Vane Test

same 2019 35%.

10-30 Med Dense
12-50 Dense

4-6, M/Staff

Samples _____

UT = Undisturbed Thinwall

35 to 50%

50 50 Dense
50 + Very Dense

8-15 Shift
15-30 V-Shift

HOLE NO12-392

SAMPLES SENT TO

OUR JOB NO.

| SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START	11/13/94
			Size: D _____	3 1/2"	_____	COMPLETE	11/13/94
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS.	_____
			Hammer Fali _____	30"	_____	BORING FOREMAN	R. Allen
					BIT	INSPECTOR	_____
						SOILS ENGR.	_____

LOCATION OF BORING

USED

"CASING. THEN

Proportions Used

140lb Wt. x 30" tall on 2' O.D. Samplers

SUMMARY:

Trace 0.1010%

Cohesive Consistency

Earth Boring

title 101020%

0-4 Soft

Reel 10

spring 2010 35%

4-8 M/Siff

Samples

and 35 to 50%

8-15 Staff
15:30 V-SM

HOLE NO 12-39

TOWN PRESS .. EAST PROV

LOCATION OF BORING _____

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY	
Sample Type	Proportions Used	140lb Wt + 30" fall on 2" O.D. Sampler		Earth Boring	6'
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Rock Coring	
U-Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30' + Hard	Samples	3
T-Test Pit A-Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	HOLE NO 12-39	
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff		
		50+ Very Dense	15-30 V-Stiff		

HOLE NO 12-39

SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/14/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED _____ "CASING THEN

D-Dry C-Cored W-Aged

US. Undisturbed fission

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

Trace, 0 to 10%:

10 to 20%

some 20 to 35%

and 35 to 50%

140 lb Wt x 30' fall on 2" O.D. Sampler

Cohesionless Density

0 10 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

Q-4 Soft

4-8 M/Stiff

8-15 Stiff
15-30 V-Stiff

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-39

SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb Wt x 30' fall on 2" O.D. Sampler				
D-Dry C Cored Washed		trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>6</u>
UP - Undisturbed Piston		little 10 to 20%	0-10 Loose		0-4 Soft 30 + Hard		Rock Coring
TP - Test Pit - A Auger - V Vane Test		some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples <u>3</u>
UT - Undisturbed Thinwall		and 35 to 50%	30-50 Dense		8-15 Stiff		
			50 + Very Dense		15-30 V-Stiff		

HOLE NO 12-399

SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/14/94	_____
At _____	after _____	Hours	Size: D _____	3 1/2"	_____	COMPLETE 11/14/94	_____
			Hammer Wt _____	300#	_____	TOTAL MRS. _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO	USED	CASING	THEN	
Sample Type	Proportions Used	140lb WT x 30' fall on 2" O.D. Sampler		<u>SUMMARY:</u>
D: Dry C-Cored Wt. Augered	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
TP: Test Pit A Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-400

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 11/14/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/14/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO		USED		"CASING THEN		SUMMARY:	
Sample Type		Proportions Used		140lb Wt + 30" fall on 2" O.D. Sampler			
D-Dry C-Cored W-Washed		trace 0 to 10%		Cohesionless Density		Cohesive Consistency	Earth Boring <u>6</u>
UP-Undisturbed Piston		little 10 to 20%		0-10 Loose		0-4 Soft 30 + Hard	Rock Coring <u>3</u>
TP-Test Pit A Auger V-Vane Test		some 20 to 35%		10-30 Med Dense		4-8 M/Stiff	Samples <u>3</u>
UT-Undisturbed Thinwall		and 35 to 50%		30-50 Dense		8-15 Stiff	
				50 + Very Dense		15-30 V-Stiff	

TOWN PRESS - EAST PROV

HOLE NO 12-4

SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30" fall on 2 O.D. Sampler					
Dry C-Cored Washed		fine 0 to 10%		Cohesionless Density		Cohesive Consistency			Earth Boring <u>3</u>
UP: Undisturbed Piston		fine 10 to 20%		0-10 Loose		0-4 Soft	30 + Hard		Rock Coring
TP: Test Pit A Auger V-Mine Test		same 20 to 35%		10-30 Med Dense		4-8 M/Stiff			Samples <u>2</u>
UT: Undisturbed Thinwall		and 35 to 50%		30-50 Dense		8-15 Stiff			
				50 + Very Dense		15-30 V-Stiff			

HOLE NO 12-402

HOLE NO 12-402

SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO	USED	"CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler		
D=Dry C=Cored W=Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>4</u>
UP=Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard	Rock Coring
TP=Test Pit A=Auger V=Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples <u>2</u>
UT=Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-403

SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/14/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 11/14/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
			Hammer Fd _____	30"	_____	BORING FOREMAN <u>J. Medeiros</u>	_____
					BIT _____	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

CASING		THEN	
140lb Wt x 30" fall on 2 O.D. Sampler			
Cohesionless Density		Cohesive Consistency	
0-10	Loose	0-4	Soft 30 + Hard
10-30	Med Dense	4-8	My/Stiff
30-50	Dense	8-15	Stiff
50 +	Very Dense	15-30	V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO 12-404

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/14/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/14/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN <u>R. Allen</u>	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type		Proportions Used		140lb Wt x 30" fall on 2 O.D. Sampler		SUMMARY	
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring _____
UP: Undisturbed	Piston		little	10 to 20%	0-10 Loose	0-4 Soft	30 + Hard
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30 Med Dense	4-8 M/Stiff	Rock Coring _____
UT: Undisturbed	Thinwall		and	35 to 50%	30-50 Dense	8-15 Stiff	Samples _____
					50 + Very Dense	15-30 V-Stiff	

LOW PRESS - EAST PROV

HOLE NO 12-4

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb WT x 30' fall on 2" O.D. Sampler					
Dry	Cores W. Sample	Trace	0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring	6
Un	undisturbed	Thin	10 to 20%	0-10	Loose	0-4	Soft	Rock Coring	
For	Test Pit	Some	20 to 35%	10-30	Med Dense	4-8	M/Stiff	Samples	3
At	undisturbed	and	35 to 50%	30-50	Dense	8-15	Stiff		
				50+	Very Dense	15-30	V-Stiff		

HOLE NO12-406

SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler				SUMMARY:	
D: Dry C: Cored W: Washed	trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring <u>4</u>	
UP: Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft	30 + Hard	Rock Coring _____		
TP: Test Pit A Auger V Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff		Samples <u>2</u>		
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff		HOLE NO 12-407		
		50 + Very Dense	15-30 V-Stiff				

OFFSET _____
SURF. ELEV. _____

GROUND SURFACE TO

(USE IT)

CASING THEN

Sample Type

Proportions Used

140lb WI x 30" tall on 2' 00" Sampler

1 Dry Colored A 4000.

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

Cohesionless Density | Cohesive Consistency

undoubtedly is a

C 10	Loose	0.4	Soft
------	-------	-----	------

10' Test Pit A - 20' to 25' deep

1990 10/16/90

10 30 Med Dense	4-8 M/Shift
-----------------	-------------

undisturbed. In 1960

some	2.0 to 3.0%
and	35 to 50%

30-50	Dense	8-15	Shrill
5-10	Very Dense	15-20	Shrill

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-40

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START	11/14/94
		Size: O _____	3 1/2"	_____	COMPLETE	11/14/94
At _____	after _____ hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN	R. Allen
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING THEN

Sample Type
0 Dry C Cored W/Sealed
1F Undisturbed Fusion
1F Test Pl. A Auger & Wire Test
1F Undisturbed Fusion

Proportions Used	
none	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2 Q.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY	
Earth Boring	6
Rock Coring	—
Samples	3

HOLE NO 12-4

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	<u>S/S</u>	_____	START <u>11/14/94</u>	_____
		Size - D _____	<u>3½"</u>	_____	COMPLETE <u>11/14/94</u>	_____
At _____	after _____ hours	Hammer wt _____	<u>300#</u>	BIT _____	TOTAL HRS _____	
		Hammer Fall _____	<u>30"</u>	_____	BORING FOREMAN <u>R. Allen</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

~~OFFICIAL RECORD COPY~~ ~~REL 10~~

1 1 8 9 4 5

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb WT x 30" fall on 2 O.D. Sampler					
D-Dry C-Cured & Washed	trace 0 to 10%	Cohesiveness Density		Cohesive Consistency		Earth Boring <u>6'</u>	
UP-Undisturbed Plug	little 10 to 20%	0-10 Loose		0-4 Soft 30 + Hard		Rock Coring _____	
TF-Test Pit A Auger & Vane Test	some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples <u>3</u>	
UT-Undisturbed Thinwall	and 35 to 50%	30-50 Dense		8-15 Stiff		HOLE NO 12-4	
		50 + Very Dense		15-30 V-Stiff			

FROM DEPT. PAGE 0000

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____				
Sample Type		Proportions Used		140lb Wt x 30" fall on 2" O.D. Sampler		SUMMARY:		
D: Dry	C: Cored	W: Washed	trace	0 to 10%	C: cohesionless	D: Density	Earth Boring _____ 6'	
UP: Undisturbed	Piston	little	10 to 20%	0-10	Loose	0-4	Soft 30 + Hard	
TP: Test Pit	A: Auger	V: Vane Test	some	20 to 35%	10-30	Med Dense	4-8	M/Shift
UT: Undisturbed	Thinwall	and	35 to 50%	30-50	Dense	8-15	Shift	
				50 +	Very Dense	15-30	V-Shift	

HOLE NO 12-4

TOWN PRESS .. EAST PROV

GROUND SURFACE TO _____		USED _____		CASING _____		THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb WT x 30' tall on 2" O.D. Sampler	Cohesionless Density	Cohesive Consistency				Earth Boring	
Dry C-Cored W/ Auger	trace 0 to 10%								
UP Undisturbed Piston	little 10 to 20%	0-10 Loose		0-4 Soft	30 + Hard			Rock Coring	
Finest Sil. A Auger V-Vane Test	some 20 to 35%	10-30 Med Dense		4-8 M/Stiff				Samples	2
UP Undisturbed Thinwall	and 35 to 50%	30-50 Dense		8-15 Stiff					
		50 + Very Dense		15-30 V-Stiff					

HOLE NO 12-416

Time

SOILS ENGR.

THEN

HOLE NO 12-41

SAMPLES SENT TO

Taken at Site

PROJ NO

95-41

SURF. ELEV.

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

At _____ after _____ Hours

Type

Size: D

Hammer Wt

Hammer Fall

CASING

SAMPLER

CORE BAR

S/S

3 1/2"

300#

30"

BIT

Date

Time

START 11/15/94

COMPLETE 11/15/94

TOTAL HRS.

BORING FOREMAN J. Medeiros

INSPECTOR

SOILS ENGR.

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	2
		2'-4'	D	"	"	"			" "	2	24	2
		4'-6'	D	"	"	"			" "	3	24	2
								6'				
									Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

Trace 0 to 10%

little 10 to 20%

some 20 to 35%

and 35 to 50%

140 lb Wt x 30" fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

50+ Very Dense

Cohesive Consistency

0-4 Soft 30+ Hard

4-8 M/Stiff

8-15 Stiff

15-30 V-Stiff

SUMMARY:

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-41

LOCATION OF BORING _____

I	Casing	Sample	Type	Blows per 6"	Moisture	Strata	SOIL IDENTIFICATION	SAMPLE
---	--------	--------	------	--------------	----------	--------	---------------------	--------

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

HOLE NO 12-41

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

UT Undisturbed Thawout

and 35 to 50%

30 50 Dense
50 60 Very Dense

8-15 S111

Samples 2

HOLE NO 12-426

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 11/15/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/15/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
				BIT _____	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO _____		USED _____		"CASING" THEN _____			
Sample Type		Proportions Used		140lb Wt x 30" fall on 2" O.D. Sampler		SUMMARY	
DD - Dry	C Cored	W	Washed	Cohesionless Density		Cohesive Consistency	
UP	Undisturbed	F	Fiston	0-10	Loose	0-4	Soft 30 + Hard
TP	Test Pit	A	Auger	10-30	Med Dense	4-8	M/Stiff
UT	Undisturbed	T	Thinwall	30-50	Dense	8-15	Stiff
		and	35 to 50%	50 +	Very Dense	15-30	V-Stiff
TOWN PRESS - EAST PROV.						Earth Boring <u>6'</u> Rock Coring _____ Samples <u>3</u> HOLE NO 12-42	

Time

START 11/15/94

COMPLETE 11/15/94

TOTAL HRS.

BOILING FOREMAN R. Allen

INSPECTOR

SOILS ENGR

300#

A17

Hammer Fall

30"

HEN

140lb Wt x 30" fall on 2' O.D. Sampler

Cohesionless Density

Cohesive Consistency

C 10 Loose

0-4 Soft 30 + Hard

some 20 to 35%.

10-30 Med Dense

4-8 M/Suff

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-Shift

SUMMARY:

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-42

SURF. ELEV.

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING

THEN

Sample Type

Proportions Used

140 lb Wt x 30" tall on 2" O.D. Sampler

SUMMARY

D: Dry C: Cored W: Washed

Trace 0.1010%

Conesionless Density

Cohesive Consistency

Earth Boring

UP Undisturbed Fission

101020%

0 10 Loose

4 Soft

Rock Coring

TP: Test Pit A: Auger V: Vane Test

some 2019 35%

10-30 Med Dense

4.8 M/Sift

Samples _____

UT: Undistorted Thinwall

000 351050%

30-50 Dense
50+ Very Dense

8-15 Staff
15-10 M Staff

HOLE NO 12-42.

TOWN PRESS -- EAST PROV

SAMPLES SENT TO

Taken at Site

OUR JOB NO.

95-41

SURF. ELEV.

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

Type

CASING

SAMPLER

CORE BAR

START 11/15/94

COMPLETE 11/15/94

TOTAL HRS.

BORING FOREMAN J. Medeiros

INSPECTOR

SOILS ENGR.

At _____ after _____ Hours

Size: D

Hammer Wt

Hammer Fall

S/S

3 1/2"

300#

30"

BIT

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	12-18				No	Pen	R
		0'-2'	D	Blows not Taken					Brown SAND & Gravel	1	24	12
		2'-4'	D	"	"	"			" "	2	24	12
		4'-6'	D	"	"	"			" "	3	24	12
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

D: Dry C: Cored W: Washed

UP: Undisturbed Piston

TP: Test Pit A: Auger V: Vane Test

UT: Undisturbed Thinwall

Proportions Used

trace 0 to 10%

little 10 to 20%

some 20 to 35%

and 35 to 50

140 lb Wt. x 30" fall on 2" O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

50+ Very Dense

Cohesive Consistency

0-4 Soft 30+ Hard

4-8 M/Stiff

8-15 Stiff

15-30 V-Stiff

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-42

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/16/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/16/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN J. Medeiros	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY:	
Sample Type		Proportions Used		140lb Wt. x 30" fall on 2" O.D. Sampler			
D: Dry	C: Cored	W: Washed	trace	0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP: Undisturbed Piston			little	10 to 20%	0-10 Loose	0-4 Soft	Rock Coring _____
TP: Test Pit			A: Auger	V: Vane Test	10-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall			some	20 to 35%	30-50 Dense	8-15 Stiff	HOLE NO 12-4
			and	35 to 50%	50+ Very Dense	15-30 V-Stiff	

TOWN PRESS - EAST PROV.

Taken at Site

PROJ. NO. _____
OUR JOB NO. 95-41

SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/16/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 11/16/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	_____
					BIT	INSPECTOR	_____
						SOILS ENGR.	_____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Wet

UP - Undisturbed Position

TP: Test Pn A Auger V.Vane test

UT - Undisturbed Thinwall

Proportions Used

trace 0.1010%

little to 20%.

some 20 to 35%

god 35 to 50%

140lb Wt. 30" tall on 2" O.D. Sampler

Cohesionless Density:

0-10 Loose

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Stiff

8-15 Still
15-30 V-S-M

SUMMARY

Earth Boring

Rock Coring —

Samples 3

HOLE NO 12-42

TOWN PRESS - EAST PROV

LOCATION OF BORING

GROUND SURFACE TO

USED _____ "CASING THEN

SUMMARY
Earth Boring _____ 6
Rock Coring _____
Samples _____ 3

HOLE NO 12-4

Date Time

LOCATION OF BORING

TOWN PRESS - EAST PROV

SOILS ENGR.

LOCATION OF BORING

HOLE NO 12-4

OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY		
Sample Type		Proportions Used	140 lb Wt + 30" fall on 2 O.D. Sampler					
D Dry	C Cores	W Washed	trace	0 to 10%	Cohesionless	Density	Earth Boring 6	
UP	Undisturbed	Excision	fine	10 to 20%	0-10	Loose	0-4	Soft
TP	Test Pit	A Auger	some	20 to 35%	10-30	Med Dense	4-8	M/Stiff
UT	Undisturbed	Thinwall	and	35 to 50%	30-50	Dense	8-15	Stiff
					50+	Very Dense	15-30	V. Stiff
							30+ Hard	Rock Coring
								Samples 3

HOLE NO 12-42

PROJ NO _____
OUR JOB NO 95-41

	<u>Date</u>	<u>Time</u>
START	11/16/94	
COMPLETE	11/16/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

Type

S/S

CORE BAR

At _____ after _____ hours

Size: D

34''

BIT

nummer 41

3007

Hammer Fai

30"

2015

PLACING THEN

THE N

Applications used

140 lb Wt = 30 ft on 2" O.D. Sampler

D Dry C Cored A - Aged

Page 0104056

Cohesive Density | Cohesive Consistency

Life Underwater: Fiction

1000 100000

00 LOOSE

19: Test Pt. A Answer: June Test

same 2010350%

10-30 Med Dense
30-50 Dense

UT Undisturbed; TH Thawed

and 35 to 50%

50-60 Dense
60+ Very Dense

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-43

SURF. ELEV.

LOCATION OF BORING

GROUND SURFACE TO

USED:

CASING THEN

HOLE NO 12-43

PROJECT NAME LOW LEVEL RADIATION INVERSE LOCATION ALLIED DU, MRR.REPORT SENT TO above / Bldg. #5

PROJ NO

OFFSET

SAMPLES SENT TO Taken at Site

OUR JOB NO

95-41

SURF. ELEV.

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	<u>S/S</u>	_____	START <u>11/16/94</u>	<u>01</u>
At _____	after _____ Hours	Size D _____	<u>3 1/2"</u>	_____	COMPLETE <u>11/16/94</u>	<u>01</u>
		Hammer At _____	<u>300#</u>	_____	TOTAL HRS _____	
		Hammer Fg. _____	<u>30"</u>	_____	BORING FOREMAN <u>J. Medeiros</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6 in Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				0-6"	6-12"	12-18"				No	Pen	Re
		<u>0'-2'</u>	<u>D</u>	<u>Blows not Taken</u>					<u>Brown SAND & Gravel</u>	<u>1</u>	<u>24</u>	<u>24</u>
		<u>2'-4'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>" "</u>	<u>2</u>	<u>24</u>	<u>20</u>
		<u>4'-6'</u>	<u>D</u>	<u>"</u>	<u>"</u>	<u>"</u>			<u>" "</u>	<u>3</u>	<u>24</u>	<u>24</u>
								<u>6'</u>	<u>Bottom of Boring 6'</u>			

GROUND SURFACE TO

USED

CASING THEN

Sample Type

D-Dry C Cores A-Auger

UP-Undisturbed Fusion

TP-Test Pit A-Auger / J-Jane Test

UT-Undisturbed Trenchwall

Proportions Used

none 0 to 10%

fine 10 to 20%

some 20 to 35%

and 35 to 50%

140lb Wt + 30 fall on 2" ID Sampler

Cohesionless Density Cohesive Consistency

0-10 Loose 0-4 Soft 30+ Hard

10-30 Med Dense 4-8 M/Stiff

30-50 Dense 8-15 Stiff

50+ Very Dense 15-30 V-Stiff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3HOLE NO 12-431

SURF. ELEV.

SOALS ENGR.

Hammer Falls

HOLE NO 12-439

PROJECT NAME LOW LEVEL RADIATION INVESTIGATION LOCATION ALLIEDPOGO, PARR.

REPORT SENT TO above / Bldg. #5

PROJ NO

OUR JOB NO 95-41

OFFSET

SURF. ELEV.

SAMPLES SENT TO Taken at Site

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	_____	S/S	_____	START 11/16/94	_____
_____	_____	_____	3 1/2"	_____	COMPLETE 11/16/94	_____
At _____	after _____ hours	_____	300#	_____	TOTAL HRS.	_____
_____	_____	_____	30"	BIT	BORING FOREMAN J. Medeiros	_____
_____	_____	_____	_____	_____	INSPECTOR	_____
_____	_____	_____	_____	_____	SOILS ENGR.	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

1560

CASING THEN

THEN

Sample Type

D: Dry C Cores w. N. 1000

UP - Undisturbed position

IP: Test Pt A Answer: 1. None Test

UT: Undisturbed Thawall

Figures used

1992 010109

1987 31010%

101520%
101520%

4034 20103592

14015 WI & 30 ft on 2 1/2" Sampler

Mass Density

2 2 LOOSE

10 30 Med Dense

30 40 Dense

CC + Very Dense

Cohesive Consistency

1-4 Soft 30 + Hard

4.8 M/S...

8-15 Staff

15-30 V-Surf

SUMMARY

Earth Binding

Back Spring

Rock Coring Samples

HOLE NO 12-44

PROJECT NAME WYV MEYER BOMBARDIER AIRCRAFT LOCATION INTERSTATE 10
REPORT SENT TO above / Bldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/16/94	_____
At _____	after _____ Hours	Size: D _____	3 1/2"	_____	COMPLETE 11/16/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
				BIT _____	INSPECTOR _____	
					SOILS ENGR _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken					Moist, Brown fine to med. SAND & coarse Gravel, trace silt	1	24	24
		2'-4'	D	"	"	"			Moist, Dark Brown PEAT & coarse Gravel	2	24	24
		4'-6'	D	"	"	"		6'	Dry, Brown fine SAND, trace silt	3	24	24
									Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING THEN

Sample Type
 D=Dry C=Cored W=Washed
 UP=Undisturbed Piston
 TP=Test Pit A=Auger V=Vane Test
 UT=Undisturbed Thinwall

Proportions Used

Price 010100%

10 to 20%

some 20 to 35%.

and 35 to 50%

40 lb wt + 30' fall on 2 30 Sampler

Dimensionless Density

00 Loose

10-30 Med Dense
10-40 Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Silt

8:15 Sun
15:30 V. Sun

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-64:

PROJECT NAME AND SITE ADDRESS AND STATE LOCATION _____
REPORT SENT TO above / Bldg. #5 PROJ NO. _____ OFFSET _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	_____	S/S	_____	START 11/16/94	_____
		Size _____	_____	3 1/2"	_____	COMPLETE 11/16/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300#	_____	TOTAL HRS _____	_____
		Hammer Fg _____	_____	30"	BIT	BORING FOREMAN J. Medeiros	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO _____
Sample Type _____
D Dry C Cored W Washed
UP Undisturbed Interior
T1 Test Pit A Auger & Vane Test
UT Undisturbed Endwall

Proportions Used	
trace	0 to 0.5%
little	0.5 to 20%
some	20 to 35%
and	35 to 50%

CASING	THEN
140lb Wt & 30 fath on 2 O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6
Rock Coring 3
Samples 3

HOLE NO12-44:

REPORT SENT TO above / Bldg. #5
SAMPLES SENT TO Taken at Site

PROJ NO _____
OUR JOB NO. 95-41

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
A1	after _____ hours	Type _____	S/S	_____	START 11/16/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/16/94	_____
A1	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fcl _____	30"	BIT	BORING FOREMAN <u>R. Allen</u>	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sample			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Brown fine SAND & coarse Gravel, tr. silt	1	24	24
		2'-4'	D	"	"	"			Moist, Brown fine SAND & coarse Gravel, tr. silt	2	24	18
		4'-6'	D	"	"	"		6'	Wet, Gray & Brown fine SAND, trace silt	3	24	24
									Bottom of Boring 6'			

GROUND SURFACE TO _____

Sample Type _____

D: Dry C Cored W: Washed

UP: Undisturbed Fusion

TP: Test Pit A: Auger W: Wave Test

UT: Undisturbed Throwall

USE D	
Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

CASING		THEN	
140lb Wt x 30" fall on 2 O.D. Sampler			
Cohesionless Density		Cohesive Consistency	
0-10	Loose	0-4	Soft 30+ Hard
10-30	Med Dense	4-8	M/Stiff
30-50	Dense	8-15	Stiff
50+	Very Dense	15-30	V-Stiff

SUMMARY	
Earth Boring	6
Rock Coring	
Samples	3

HOLE NO 12-44:

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb WT + 30" fall on 2 O.D. Sampler				Earth Boring	6'
D-Dry C-Cored W-Aged		trace 0 to 10%		Cohesionless Density		Cohesive Consistency		Rock Coring	
UP Undisturbed Piston		fine 10 to 20%		0-0 Loose		0-4 Soft	30 + Hard	Samples	3
TPs Test Pit A Auger V-Vane Test		some 20 to 35%		10-30 Med Dense		4-8 M/Stiff			
UT Undisturbed Thinwall		and 35 to 50%		30-50 Dense		8-15 Stiff			
				50 + Very Dense		15-30 V-Stiff			

HOLE NO 12-44

SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

017 - Undisturbed - 10.2000

(15E)

same	20 to 35%
and	35 to 50%

CASING THEN

30-50 Dense
50+ Very Dense

8-15 Shift
15:30 V-Shift

Samples

HOLE NO 12-44

SURF. ELEV.

LOCATION OF BORING _____

SUMMARY:
Earth Boring _____ 6'
Rock Coring _____
Samples _____ 3

HOLE NO 12-44

SURF. ELEV.

LOCATION OF BORING

GROUND SURFACE TO

HOLE NO 12-4

REPORT SENT TO	above / Bldg. #5	PROJ NO	
SAMPLES SENT TO	Taken at Site	OUR JOB NO	95-41
		SURF. ELEV.	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 11/17/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/17/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	_____
				BIT	INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

GROUND SURFACE TO

USED CASING THEN

Sample Type

Proportions Used

140lb Wt & 30" fall on 2 OD Sampler

SUMMARY

D-Dry C-Cored W-Wood

100% 0.1010%

Cohesionless Density

Cohesive Consistency

Earth Boring 6

UP Undisturbed Position

10% 20%

0 10 Loose

0-4 Soft

Rock Coring

10. Test Pit A Auger Vane Test

some 2010 35%

10:30 Med Dense
10:50 Dense

4-8 M/Stiff

Samples _____

UT - Undisturbed Thinwall

and 35 to 50%

50+ Very Dense

8-15 Siff
15-30 V-Siff

HOLE NO 12-44

REPORT SENT TO above / Bldg. #5 PROJ NO OFFSET
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV.

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START	<u>11/17/94</u>
		Size D _____	3 1/2" _____	_____	COMPLETE	<u>11/17/94</u>
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS _____	
		Hammer Fcl. _____	30" _____	_____	BORING FOREMAN	<u>J. Medeiros</u>
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb WT x 30' fall on 2 O.D. Sampler		
D-Dry C Cored W/Whorls	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6</u>
UP Undisturbed Piston	fine 10 to 20%	0-30 Loose	0-4 Soft 30 + Hard	Rock Coring <u>1</u>
TP Test Pit A Auger / Vane Test	some 20 to 35%	30-30 Med Dense	4-8 M/Stiff	Samples <u>3</u>
UT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-4

SURF. ELEV.

LOCATION OF BORING _____

[illegible]

CASING THEN

140 lb Wt & 30" fall on 2" O.D. Sampler

Cohesionless Density

Cohesive Consistency

010 Loose

0-4 Soft 30 + Hard

10:30 Med Dense

4.8 M/Suff

30-50	Dense
50-100	Dense

8-15 Stiff

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO12-451

REPORT SENT TO above / Bldg. #5 PROJ NO OFFICE
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/17/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 11/17/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USE 0

CASING THEN

THEN

Sample Type
 D Dry C Cored W Washed
 U Undisturbed T Tison
 T Test Pit A Auger V Vane test
 UT Undisturbed Thawed

None	0 to 10%
Some	10 to 20%
Most	20 to 35%
All	35 to 50%

40lb WT x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring _____
Samples 3

HOLE NO 12-452

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

LOCATION OF BORING

[illegible]

CASING THEN

140lb Wt + 30" fall on 2" O.D. Sampler

Cohesive Consistency

0-4 Soft 30 + Hard

4-8 M/Siff
2-15 2-14

8-15 Staff
15-30 V-Staff

Samples 2

HOLE NO 12-45:

HOLE NO12-454

SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USE 0

CASING THE N

Sample Type

Proportions Used

140lb WT & 30" fall on 2 O.D. Sampler

O Dry C Cored W: Nothing

Iron 0.160%

Cohesionless Density

Cohesive Consistency

UF: Undisturbed Ecosystem

0102012

0-0 Loose

0-4 Soft 30 + Hard

TP: Test Pt A Auger V-Vane Test

1996 1997

10:30 Med Dense

4.8 M/S/11

UT - Undisturbed Thinnwall

Summe 2010,55 %
15.000.000

30 50 Dense

8-15 Staff

SUMMARY

Earth Binding 6

Rock Coring

Samples 3

HOLE NO 12-45

SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO	USED	CASING	THEN	SUMMARY	
Sample Type	Proportions Used	140lb WT x 30' fall on 2" O.D. Sampler		Earth Boring	6'
0: Dry C Cores As Arrived	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Rock Coring	
UP: Undisturbed Piston	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Samples	3
TP: Test Pit A Auger V Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff		
UT: Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff		
		50+ Very Dense	15-30 V-Stiff		

HOLE NO12-45:

SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	_____	S/S	_____	START 11/17/94	_____
		Size: D _____	_____	3 1/2"	_____	COMPLETE 11/17/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300#	_____	TOTAL MRS. _____	_____
		Hammer Fc: _____	_____	30"	_____	BORING FOREMAN <u>R. Allen</u>	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USE IT

CASING

THE N

Sample Type
 D Dry C Cored Wt. Auger
 UT Undisturbed Piston
 TT Test Pit A Auger & Vane Test
 UT Undisturbed In-situ

Proportions Used	
Trace	0 to 10%
Little	10 to 20%
Some	20 to 35%
and	35 to 50%

140lb W x 30" fall on 2 O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-60 Dense	8-15 Stiff
60+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring	3
Rock Coring	
Samples	3

HOLE NO 12-4

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/18/94	_____
			Size: D _____	3 1/2"	_____	COMPLETE 11/18/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN <u>J. Medeiros</u>	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

"CASING THEN

140lb Wt. & 30' fall on 2 00 Sampler

Cohesive Consistency

0-4 Soft 30 + hard

4.8 M/Sift

8-15 Shift
15-30 V-Shift

Earth Boring 6

Rock Coring

Samples 3

HOLE NO 12-46

UPSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USF:

CASING THEN

Sample Type

Proportions Used

140lb Wt x 30" fall on 2' O D Sampler

O-Dry C-Cored W-Absorpt

Trace 0.010%

Cohesionless Density

Cohesive Consistency

UP - Undisturbed Vision

10 to 20%

0 10 Loose

0-4 Soft 30 + Hard

TP: Test Pt. A. 4000 V. Vane Test

some 2010 35%.

10 30 Med Dense
12 40 Dense

4-B M/Sift

UT = Undisturbed In-situ

and 35 to 50%.

30-50 Dense
50+ Very Dense

8-15 Shift
15-30 V-SM

SUMMARY

Earth Boring

Rock Coring _____

Samples 3

HOLE NO 12-46

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED	CASING		THEN	SUMMARY	
Sample Type		Proportions Used	140lb WT x 30" fall on 2" O.D. Sampler				
D: Dry C: Cored W: Augered		trace 0 to 10%	Cohesionless	Density	Cohesive	Consistency	Earth Boring <u>6</u>
UP: Undisturbed Piston		little 10 to 20%	0-10	Loose	0-4	Soft 30 + Hard	Rock Coring
TP: Test Pit A: Auger V: Vane Test		some 20 to 35%	10-30	Med Dense	4-8	M/Stiff	Samples <u>3</u>
UT: Undisturbed Thinwall		and 35 to 50%	30-50	Dense	8-15	Stiff	
			50 +	Very Dense	15-30	V-Stiff	

HOLE NO 12-46:

HOLE NO 12-46:

PROJ NO _____
OUR JOB NO 95-41

	<u>Date</u>	<u>Time</u>
START	11/18/94	
COMPLETE	11/18/94	
TOTAL MRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

CASING	SAMPLER	CORE BAR
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

198

S/S

CORE BAR

START 11/18/94

COMPLETE 11/18/94

TOTAL HRS

BOILING FOREMAN R. Allen

INSPECTOR

SOILS ENGR

At _____ after _____ hours

Size: 0

3 1/2"

617

comme N!

300

Hammer Falls

300
30"

[illegible]

USEO

'CASING THEN

Proportions Used

140lb WI + 30' fall on 2 OD Sampler

Price 50.00%

Cohesionless Density

Cohesive Consistency

10 to 20%

0 10 Loose

0.4 Soft 30 + Hard

2010 15%

10:30 Med Dense

4.8 M/Stiff

and 35 to 50%

30-50 Dense
50+ Very Dense

8-15 Stiff
16-20 M. Soft

SUMMARY:

Earth Boring 6

Rock Coring

Samples

HOLE NO 12-40

REPORT SENT TO above / Bldg. #5 PROJ NO OFFSET
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV.

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 11/18/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/18/94	_____
At _____	after _____ hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
				BIT _____	INSPECTOR _____	_____
					SOILS ENGR _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

Proportions Used

140lb WT x 30' tall on 2 00 Samplers

SUMMARY

D-Dry C-Cored W-Airport

more 10104%

Cohesionless Density

Cohesive Consistency

Earth Boring

UP Undisturbed Section

100% 100%

310 Loose

0-4 Soft

Rock Coring →

TP-Test-Pe A-2000 V same Test

same 20 to 35%.

10 30 Med Dense
10 40 Dense

4-A M/Stiff

Samples _____

UT - Undisturbed Thinwall

HCN 35 to 50%

30-50 Dense
50+ Very Dense

8-15 S.M.
15-30 V.S.M.

HOLE NO 12-46

HOLE NO 12-46

SURF. ELEV.

95-41

SAMPLES SENT TO Taken at Site

OUR JOB NO

SURF. ELEV.

Time

SOILS ENGR.

SOILS ENGR.

SOILS ENGR.

hammer Equ

30"

GROUND 2. RACE TO

1156 03

CASING

THE P

UT = Undisturbed Trench

HOLE NO 12-46

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

[illegible]

11561.

CASING THEN

Proportions used

140 lb WT - 30 fall on 2 00 Sampler

Page 11959

Compression Density

Cohesive Consistency

1990 0.4610%

1991 0.4123%

00 Loose

0.4 Soft 30 + word

some 20 to 35%

10 30 Med Dense

4.8 M/Siff

5000	20'000
1000	15'000

30 50 Dense
60 + Very Dense

15:30 V.S. 11

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-46

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED CASING THEN

Sample Type	Proportions used	140lb Wt + 30 fall on 2 50 Sampler	SUMMARY
D Dry Cored A Auger	trace 0 to 10%	Cohesionless Density Cohesive Consistency	Earth Boring 6
UP Undisturbed Fusion	fine 10 to 20%	0 10 Loose 0-4 Soft 30 + Hard	Rock Coring
TP Test Pit A Auger 2 Core Test	same 20 to 35%	0 30 Med Dense 4-8 M/Stiff	Samples 3
UT Undisturbed Through	and 35 to 50%	30 50 Dense 8-15 Stiff	
		50 + Very Dense 15-30 V-Stiff	

HOLE NO12-468

HOLE NO 12-46

REPORT SENT TO above / Bldg. #5 PROJ NO OFFSET
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	S/S	_____	START 11/18/94	_____ a.m.
_____	_____	Size: D _____	_____	3 1/2"	_____	COMPLETE 11/18/94	_____ p.m.
At _____	after _____ Hours	Hammer Wt _____	_____	300#	BIT	TOTAL MRS _____	_____ a.m.
_____	_____	Hammer Fall _____	_____	30"	_____	BORING FOREMAN <u>R. Allen</u>	_____ p.m.
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED "CASING THEN

Sample Type

D: Dry C: Cored W: Washed

UN Undisturbed Region

TP: Test Pt. A Roger V. Bone Test

UT - Undisturbed Through

Proportions Used

Trace 0.1010%

NAME	01010 %
FILE	011020%

name: 20163591

15% 50%
20% 35%

140lb WT x 30 pull on 2 00 Sampler

Cohesionless Density

0 10 LOOSE

10 30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

0-4 Soft

4-B M/Suff

8-15 SMH
15-30 V-SMH

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-471

HOLE NO12-47:

REPORT SENT TO above / Bldg. #5
SAMPLES SENT TO Taken at Site

PROJ NO _____
OUR JOB NO 95-41

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 11/18/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/18/94	_____
		Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
At _____	after _____ hours	Hammer Fall _____	30"	Bit _____	BORING FOREMAN R. Allen	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USEU

CASING THEN

Sample Type

Proportions Used	
free	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30 min	on 2 D Sampler
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring 2

Rock Coring 1

Samples 1

HOLE NO 12-473

GROUND SURFACE TO _____		CASE NO. _____		CASE NO. _____		CASE NO. _____		CASE NO. _____	
Sample Type	Properties Used	140lb Wt x 30' Fall on 2" O.D. Sampler	Cohesiveness Density	Cohesive Consistency	SUMMARY				
Dry C-Cored W/Adapt	None	0-2	Loose	0-4	Soft	30 + Hard	Earth Boring	6'	
Un-disturbed 1' zone	None	10-30	Med Dense	4-8	M/Shift		Rock Coring		
1' Test Pit - A Auger - V Vane Test	Same	30-50	Dense	8-15	Stiff		Samples	3	
Un-disturbed 1' zone	Same	50 +	Very Dense	15-30	V-Shift		HOLE NO12-474		

OFF SET _____
SURF. ELEV. _____

CORE BAR

START 11/18/94

COMPLETE 11/18/94

TOTAL HRS

BORING FOREMAN J. Medeiros

INSPECTOR

SOILS ENGR.

[illegible]

CASING THEN

140 lb Wt + 30 lb on 2 00 Sampler

Cohesionless Density

Cohesive Consistency

[illegible]

U 4 Scott

10 30 Med Dense

4-8 M/Siff

30 50 Dense
40 60 Very Dense

8 15 Shift
15 30 M-SAT

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-4

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At <u>None</u>	after <u>Comp</u> hours	Type	<u>S/S</u>			START <u>11/19/94</u>	<u>9.00</u>
		Size: D	<u>3"</u>			COMPLETE <u>11/19/94</u>	<u>9.00</u>
At _____	after _____ hours	Hammer Wt	<u>300#</u>			TOTAL HRS. _____	<u>9.00</u>
		Hammer Fall	<u>30"</u>		BIT	BORING FOREMAN <u>W. Whitaker</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6 on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From	To					No	Pen	Rec
				0-6	6-12	12-18						
		0'-2'	D	Blows not Taken				0.3'	Asphalt	1	24	11
		2'-4'	D	"	"	"			Moist, Brown fine to coarse SAND & Gravel, trace of cobbles & silt	2	24	24
		4'-6'	D	"	"	"		5.2'		3	24	24
								6'	Moist, Dark Brown fine to coarse SAND & Gravel, Cobbles, trace silt			
									Bottom of Boring 6'			

"CASING THEN

140lb WI + 30' fall on 2 GD Sampler

Cohesive Consistency

C 4 Soft 30 + Hard

4 8 M/Shift

8-15 Shift
15-30 v. Shift

Earth Boring 6'

Samples 3

HOLE NC12-477

REPORT SENT TO	above / Bldg. #5	PROJ NO		OFFSET	
SAMPLES SENT TO	Taken at Site	OUR JOB NO	95-41	SURF. ELEV.	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/19/94	_____
		Size: D _____	3 1/2" - 2 1/2"	_____	COMPLETE 11/19/94	_____
At _____	after _____ Hours	Hammer Wt. _____	300#	BIT	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	_____	BORING FOREMAN J. Sousa	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GRIND SURFACE TO	USED	CASING	THEN	
Sample Type	Proportions Used	140lb Wt. 30 fall on 2" 20 Sampler		<u>SUMMARY</u>
Dry Colored & Washed	fine 10 to 10%	Coneless Density	Cohesive Consistency	Earth Boring <u>6'</u>
OR crushed & pan	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Boring
For Test 1/4" & 1/2" & 3/4" & 1" & 1 1/2" & 2" & 3" & 4" & 6" & 8" & 12" & 18" & 24" & 30" & 36" & 42" & 48" & 54" & 60" & 66" & 72" & 78" & 84" & 90" & 96" & 102" & 108" & 114" & 120" & 126" & 132" & 138" & 144" & 150" & 156" & 162" & 168" & 174" & 180" & 186" & 192" & 198" & 204" & 210" & 216" & 222" & 228" & 234" & 240" & 246" & 252" & 258" & 264" & 270" & 276" & 282" & 288" & 294" & 300" & 306" & 312" & 318" & 324" & 330" & 336" & 342" & 348" & 354" & 360" & 366" & 372" & 378" & 384" & 390" & 396" & 402" & 408" & 414" & 420" & 426" & 432" & 438" & 444" & 450" & 456" & 462" & 468" & 474" & 480" & 486" & 492" & 498" & 504" & 510" & 516" & 522" & 528" & 534" & 540" & 546" & 552" & 558" & 564" & 570" & 576" & 582" & 588" & 594" & 600" & 606" & 612" & 618" & 624" & 630" & 636" & 642" & 648" & 654" & 660" & 666" & 672" & 678" & 684" & 690" & 696" & 702" & 708" & 714" & 720" & 726" & 732" & 738" & 744" & 750" & 756" & 762" & 768" & 774" & 780" & 786" & 792" & 798" & 804" & 810" & 816" & 822" & 828" & 834" & 840" & 846" & 852" & 858" & 864" & 870" & 876" & 882" & 888" & 894" & 900" & 906" & 912" & 918" & 924" & 930" & 936" & 942" & 948" & 954" & 960" & 966" & 972" & 978" & 984" & 990" & 996" & 1002" & 1008" & 1014" & 1020" & 1026" & 1032" & 1038" & 1044" & 1050" & 1056" & 1062" & 1068" & 1074" & 1080" & 1086" & 1092" & 1098" & 1104" & 1110" & 1116" & 1122" & 1128" & 1134" & 1140" & 1146" & 1152" & 1158" & 1164" & 1170" & 1176" & 1182" & 1188" & 1194" & 1200" & 1206" & 1212" & 1218" & 1224" & 1230" & 1236" & 1242" & 1248" & 1254" & 1260" & 1266" & 1272" & 1278" & 1284" & 1290" & 1296" & 1302" & 1308" & 1314" & 1320" & 1326" & 1332" & 1338" & 1344" & 1350" & 1356" & 1362" & 1368" & 1374" & 1380" & 1386" & 1392" & 1398" & 1404" & 1410" & 1416" & 1422" & 1428" & 1434" & 1440" & 1446" & 1452" & 1458" & 1464" & 1470" & 1476" & 1482" & 1488" & 1494" & 1500" & 1506" & 1512" & 1518" & 1524" & 1530" & 1536" & 1542" & 1548" & 1554" & 1560" & 1566" & 1572" & 1578" & 1584" & 1590" & 1596" & 1602" & 1608" & 1614" & 1620" & 1626" & 1632" & 1638" & 1644" & 1650" & 1656" & 1662" & 1668" & 1674" & 1680" & 1686" & 1692" & 1698" & 1704" & 1710" & 1716" & 1722" & 1728" & 1734" & 1740" & 1746" & 1752" & 1758" & 1764" & 1770" & 1776" & 1782" & 1788" & 1794" & 1800" & 1806" & 1812" & 1818" & 1824" & 1830" & 1836" & 1842" & 1848" & 1854" & 1860" & 1866" & 1872" & 1878" & 1884" & 1890" & 1896" & 1902" & 1908" & 1914" & 1920" & 1926" & 1932" & 1938" & 1944" & 1950" & 1956" & 1962" & 1968" & 1974" & 1980" & 1986" & 1992" & 1998" & 2004" & 2010" & 2016" & 2022" & 2028" & 2034" & 2040" & 2046" & 2052" & 2058" & 2064" & 2070" & 2076" & 2082" & 2088" & 2094" & 2100" & 2106" & 2112" & 2118" & 2124" & 2130" & 2136" & 2142" & 2148" & 2154" & 2160" & 2166" & 2172" & 2178" & 2184" & 2190" & 2196" & 2202" & 2208" & 2214" & 2220" & 2226" & 2232" & 2238" & 2244" & 2250" & 2256" & 2262" & 2268" & 2274" & 2280" & 2286" & 2292" & 2298" & 2304" & 2310" & 2316" & 2322" & 2328" & 2334" & 2340" & 2346" & 2352" & 2358" & 2364" & 2370" & 2376" & 2382" & 2388" & 2394" & 2400" & 2406" & 2412" & 2418" & 2424" & 2430" & 2436" & 2442" & 2448" & 2454" & 2460" & 2466" & 2472" & 2478" & 2484" & 2490" & 2496" & 2502" & 2508" & 2514" & 2520" & 2526" & 2532" & 2538" & 2544" & 2550" & 2556" & 2562" & 2568" & 2574" & 2580" & 2586" & 2592" & 2598" & 2604" & 2610" & 2616" & 2622" & 2628" &				

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USE:

CASING THEN

Sample Type

Proportions Used

40lb Wt & 30" fall on 2" O.D. Sampler

Cohesive Consistency

SUMMARY

D-Dry C-Cured W-Water

None 0 to 0.5%

Impenetrable Density

0-4 Soft 30 + Hard

Earth Boring 6'

2nd Undisturbed Vision

10:020%

100 Loose

4.8 M/Site

Rock Coring

Test Pt. A Answer 5.5 me test

same 20 to 35%.

10 30 Med Dense

8-15 Staff

Samples 3

UT - Undisturbed Thicket

35 to 50%

30-40 Dense
40+ Very Dense

15.30 V-Surf

HOLE NO 12-479

REPORT SENT TO above / Bldg. #5 PROJ NO OFF SET
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41 SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/19/94	_____
			Size D _____	3 1/2" - 2 1/2"	_____	COMPLETE 11/19/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	BIT	BORING FOREMAN J. Sousa	
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

1560

CASING THEN

Sample Type

Proportions Used

140lb WT x 30' fall on 2" O.D. Sampler

D-Dry C Colored W. 1/2" x 1/2"

page 1100%

Cohesionless Density

Cohesive Consistency

UN Unidentified visitor

1118 11.2034

0 2 Loose
0 30 Med Power

0-4 Soft 30 + Hard

TP: Test P. A. Age 7 June Test

same 2010.35%

30-50 Med Dense
50-50 Dense

5 H M/Stiff
H 15 SM

UT Undisturbed Thawed

151050%

50 + Very Dense

15 30 v-5uff

SUMMARY

Earth Bearing 6'

Rock Coring

Samples 3

HOLE NO 12-48C

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

ROUND SURFACE TO	USED	CASING	THEN	SUMMARY
Sample Type	Proportions Used	140lb Wt x 30 fall on 2" O.D. Sampler		Earth Boring <u>6</u>
0 Dry 0 Cores A Ascert	More 0 to 10%	Cohesionless Density	Cohesive Consistency	Rock Coring
0.5 Undersized 1.5 in	fine 10 to 20%	0 0 Loose	0 4 Soft 30 + Hard	Samples <u>3</u>
1.0 Test Pit A Ascert V. Fine test	same 20 to 35%	10 30 Med Dense	4-8 M/Stiff	
UT Undersized 1.5 in	fine 35 to 50%	30 50 Dense	8-15 Stiff	
	fine 35 to 50%	50 + Very Dense	15-30 V-Stiff	

HOLE NO12-481

UPPER 1 _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
AI _____	after _____ Hours	Type _____	S/S _____	_____	START 11/19/94	_____
		Size: D _____	3 1/2" - 2 1/2" _____	_____	COMPLETE 11/19/94	_____
AI _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS _____	_____
		Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Sousa	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

' CASING THEN

140lb Wt x 30 fall on 2 00 Sampler

Cohesiveness Density

0.0 Loose

3.0 5.0 Med Dense
3.0 5.0 Dense

30-50 Dense
50+ very Dense

Cohesive Consistency

0-4	Soft	30+ Hard
4-8	M/Stiff	
8-15	Stiff	
15-30	V-Stiff	

SUMMARY

Earth Boring

Rock Coring

Samples _____

HOLE NO 12-48

REPORT SENT TO <u>above / Bldg. #5</u>	PROJ NO <u> </u>	OFFSET <u> </u>
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	SURF. ELEV. <u> </u>

CASING	SAMPLER	CORE BAR
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Type

S/S

CORE BAR

START 11/19/94

Time

COMPLETE 11/19/94

TOTAL HRS.

BORING FOREMAN A. Whitaker

INSPECTOR

SOILS ENGR.

At _____ Oiler _____ Hours _____

Size 2

номер №1

Hammer Fall

311

3004

300
300

31T

LOCATION OF BORING

[illegible]

USE 0

CASING THEN

Proportions Used

Trace 0.1010%

File 1010204

some 2010 35%

and 35 to 50%

140 lb WI x 30" fall on 2 O.D. Sampler

Cohesionless Density

0 10 Loose

10-30 Med Dense

30-50 Dense

Cohesive Consistency

Q-4 Soft

4.8 M/Suff

8-15 Staff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-48:

PROJECT NAME LOW LEVEL DEWAS KAYM SAHNE - FLUORINATION

REPORT SENT TO **above**

Bldg. #5

PROJ. NO.

OFFSET

SAMPLES SENT TO _____ Taken at Site

OUR JOB NO. 95-41

SURF. ELEV.

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	_____	S/S	_____	START 11/19/94	_____
At _____	after _____ Hours	Size: D _____	_____	3 1/2" - 2 1/2"	_____	COMPLETE 11/19/94	_____
At _____	after _____ Hours	Hammer Wt _____	_____	300#	BIT	TOTAL HRS. _____	_____
		Hammer Fall _____	_____	30"	_____	BORING FOREMAN J. Sousa	_____
						INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USE D

CASING

TYPE 2

Sample Type

D: Dry C: Coiled W: Winding

UP Undersized Piston

TP: Test Pt. A Auger V. Vane Test

UT - Undisturbed Through

Proportions Used

voice 01010%

11.44 10.20%

some 20 to 35%

and 35 to 50%.

140lb WI x 30 fall on 2 00 Sampler

Cohesionless Density

0 17 loose

10 30 Med Dense

30 50 Dense
60 70 Very Dense

• Very Dense

Cohesive Consistency

0 4 Soft 30 + Hard

4 8 M/S:11

8-15 Staff
15-30 1st Shift

15 30 V-Suff

SUMMARY

Earth Binding 6

Rock Coring

Samples _____

HOLE NO 12-48

Sample Type	Proportions Used	140lb Wt + 30' fall on 2 O.D. Sampler	SUMMARY	
D-Dry, C-Cored, W-Arched	None 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring <u>6'</u>
UP Undisturbed Piston	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring
1st Test Pit A Auger V Vane Test	same 20 to 35%	10-30 Med Dense	4-8 M/Shiff	Samples <u>3</u>
UT Undisturbed Throwall	and 35 to 50%	30-50 Dense	8-15 Shiff	HOLE NO12-48!
		50 + Very Dense	15-30 V-Shiff	

PROJECT NAME		LOCATION	
REPORT SENT TO	above / Bldg. #5	PROJ NO	
SAMPLES SENT TO	Taken at Site	OUR JOB NO	95-41
		OFFSET	
		SURF. ELEV.	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 11/19/94	_____
		Size ID _____	3 1/2" - 2 1/2" _____	_____	COMPLETE 11/19/94	_____
		Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	
At _____	after _____ Hours	Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Sousa	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED)

CASING

THEN

Sample Type

Proportions Used

140lb Wt + 30' fall on 2 O.D. Sampler

SUMMARY

D: Dry C: Cored W: Wet

more 0 to 10%

Cohesionless Density

Cohesive Consistency

Earth Boring

UP Undisturbed Piston

the 10 to 20%

Loose

0.4 Soft

Rock Coring

TP: Test Pt A-Auger V-Vine Test

same 201035%.

10 50 Med Dense
10 60 Dense

4-8 M/Siff

Samples _____

UT Undisturbed Thinwall

35 to 50%

50 50 Dense
50 + Very Dense

8-15 Stiff
15-30 Very Stiff

HOLE NO 12-48

HOLE NO 12-48

PROJECT NAME <u>LOW LEVEL RADIOLOGICAL SURVEILLANCE</u>		OFFSET <u> </u>
REPORT SENT TO <u>above / Bldg. #5</u>	PROJ NO <u> </u>	SURF. ELEV. <u> </u>
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S _____	_____	START 11/19/94	_____
		Size: D _____	3 1/2" - 2 1/2" _____	_____	COMPLETE 11/19/94	_____
At _____	after _____ hours	Hammer Wt _____	300# _____	BIT _____	TOTAL MRS. _____	_____
		Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Sousa	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED _____ CASING THEN _____

Sample Type

0-Dry 0-Cores W-Ancient

Unstuffed Design

IP: Test No. A Auger V. Vane Test

US Undistorted Income

Proportions Used

Face 100.00%

the 10 to 20%

some 2010 35%

some 201033 7c
551c 50''

140lb Wt x 30" fall on 2" ID Sampler

Cohesionless Density | Cohesive Consistency

C 10 Loose

10:30 Med Dense

30-50 Dense
50+ Very Dense

on 2 00 Sampler
Cohesive Consistency
0 4 Soft 30 + Hard

04 5011

4 A M/S. 11

8 15 5111
5 32 5111

SUMMARY

Earth Boring

Rock Coring

Samples _____

HOLE NO 12-4

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At <u>None</u>	after <u>Comp</u> hours	Type		<u>S/S</u>		START <u>11/19/94</u>	<u>9.1</u>
		Size: D		<u>3"</u>		COMPLETE <u>11/19/94</u>	<u>9.1</u>
At _____	after _____ hours	Hammer Wt		<u>300#</u>	BIT	TOTAL HRS. _____	
		Hammer Fall		<u>30"</u>		BORING FOREMAN <u>A. Whitaker</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

[illegible]

THEN

SUMMARY:
Earth Boring 6
Rock Coring 1
Samples 3

HOLE NO 12-489

HOLE NO 12-492

SURF. ELEV. _____

SOILS ENGINEER

HOLE NO 12-493

HOLE NO 12-493

OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S _____	_____	START 11/20/94	_____
		Size: D _____	3 1/2" - 2 1/2" _____	_____	COMPLETE 11/20/94	_____
At _____	after _____ hours	hammer Wt _____	300# _____	BIT _____	TOTAL MRS. _____	_____
		hammer Fall _____	30" _____	_____	BORING FOREMAN J. Sousa	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6 on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Rec
		0'-2'	D	Blows not Taken				3'	Asphalt	1	24'	24'
		2'-4'	D	"	"	"			Brown fine to coarse SAND & Gravel, Cobbles, trace silt " "	2	24'	24'
		4'-6'	D	"	"	"		6'	" less gravel	3	24'	24'
									Bottom of Boring 6'			

THEN

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples _____

HOLE NO 12-494

REPORT SENT TO above / Bldg. #5 PROJ NO
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

SURF. ELEV. _____

LOCATION OF BORING _____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING THEN

Sample Type
 D Dry C Cored W Auger
 no undisturbed fusion
 for Test for A Auger & Wave Test
 of undisturbed Enwall

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2 O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 X-Stiff

SUMMARY
Earth Boring 6
Rock Coring 3
Samples 3

HOLE NO 12-495

SURF. ELEV.

Date **Time**

START 11/20/94 _____
COMPLETE 11/20/94 _____
TOTAL HRS. _____
BORING FOREMAN J. Sousa _____
INSPECTOR _____
SOILS ENGR. _____

[illegible]

THEN

of independent action.

50 to 50%.

50 50 Dense
50 1 Very Dense

8-15 Staff
15-30 v. Staff

Samples 3

HOLE NO 12-496

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

Case no	Sample	Type	Blotter per 6"	Moisture	SOIL IDENTIFICATION	Remarks
---------	--------	------	----------------	----------	---------------------	---------

GROUND SURFACE TO _____	USED _____	"CASING" THEN _____	SUMMARY	
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler		
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring _____ 6'
UP-Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard	Rock Coring _____
TP-Test Pit A-Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples _____ 3
UT-Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-49

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____	USED _____	CASING _____	THEN _____	
Sample Type	Proportions Used	140lb Wt + 30" fall on 2" O.D. Sampler		<u>SUMMARY</u>
Dry C-Cored W. Sampler	None 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring _____ 6
UP Undisturbed Section	fine 10 to 20%	0-10 Loose	0-4 Soft 30 + Hard	Rock Coring _____
1 1/2" Test Bit W. Auger & Vane Test	same 20 to 35%	10-30 Med Dense	4-8 M/Shift	Samples _____ 3
DT Undisturbed Section	med 35 to 50%	30-50 Dense	8-15 Shift	
		50 + Very Dense	15-30 V-Shift	

HOLE NO 12-49

PROJECT NAME LOW LEVEL RADIATION INVESTIGATION LOCATION ACLEYDOKO, MASS.REPORT SENT TO above / Bldg. #5

PROJ. NO. _____

OFFSET _____

SAMPLES SENT TO Taken at SiteOUR JOB NO 95-41

SURF. ELEV. _____

GROUND WATER OBSERVATIONS

At None after _____ Hours

Type _____

CASING _____

SAMPLER _____

CORE BAR _____

Size: D _____

Hammer Wt _____

Hammer Fall _____

S/S3"300#30"

BIT _____

Date _____

Time _____

START 11/20/94COMPLETE 11/20/94

TOTAL HRS. _____

BORING FOREMAN A. Whitaker

INSPECTOR _____

SOILS ENGR. _____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5' on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6'	To 6-12'	To 12-18'				No	Pen	Ret
		0'-2'	D	Blows not Taken			Moist	0.2'	Asphalt	1	24'	10
		2'-4'	D	"	"	"			Brown fine to coarse SAND & Gravel, Cobbles, trace silt	2	24'	20
		4'-6'	D	"	"	"		4.6'		3	24'	20
							Moist	6'	Dark Brown fine to coarse SAND & Gravel, trace silt			
									Bottom of Boring 6'			

GROUND SURFACE TO _____

USED _____

CASING _____

THEN _____

Sample Type

D Dry C Cored Wt. Ashes

UP Undisturbed Piston

TP Test Pit A Auger V-Vane Test

UT Undisturbed Thinwall

Proportions Used

trace 0 to 10%

silt 10 to 20%

sand 20 to 35%

and 35 to 50%

140lb Wt x 30" fall on 2 O.D. Sampler

Cohesionless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

50+ Very Dense

Cohesive Consistency

0-4 Soft 30+ Hard

4-8 M/Stiff

8-15 Stiff

15-30 V-Stiff

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3HOLE NO 12-49

HOLE NO 12-500

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING THEN

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

SUMMARY

Earth Boring 6'

Rock Coring _____

Samples 3

HOLE NO 12-50

PROJECT NAME LOW LEVEL RADIATION INVESTIGATION LOCATION ACLEDOKO, MASS.REPORT SENT TO above / Bldg. #5

PROJ NO

SAMPLES SENT TO Taken at SiteOUR JOB NO 95-41

OFFSET

SURF. ELEV.

GROUND WATER OBSERVATIONS

At _____ after _____ Hours

Type

CASING

SAMPLER

CORE BAR

START 11/19/94COMPLETE 11/19/94

TOTAL HRS.

BORING FOREMAN R. Allen

INSPECTOR

SOILS ENGR.

Date

Time

At _____ after _____ Hours

Size: D

Hammer Wt

Hammer Fall

S/S

3 1/2"

300#

30"

BIT

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hardness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken					Dry, Dark Gray silty fine to medium SAND & coarse Gravel	1	24'	2
		2'-4'	D	"	"	"			Dry, Gray Brown silty fine SAND, trace coarse gravel	2	24'	2
		4'-6'	D	"	"	"			Dry, Brown Gray fine SAND & coarse Gravel, tr. silt	3	24'	2
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

0' Dry C Cores & Augers

0' Undisturbed Station

1' Test Pit & Auger & Vane Test

0' Undisturbed Thinwall

Proportions Used

trace 0 to 0%

little 10 to 20%

some 20 to 35%

and 35 to 50%

140 lb Wt & 30' fall on 2" O.D. Sampler

Coneless Density

0-10 Loose

10-30 Med Dense

30-50 Dense

50+ Very Dense

Cohesive Consistency

0-4 Soft 30+ Hard

4-8 M/Stiff

8-15 Stiff

15-30 v-Stiff

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO12-503

PROJECT NAME LOW LEVEL RADIOACTIVE WASTE LOCATION ALLEGANY, MISS.

GROUND WATER OBSERVATIONS

At _____ after _____ hours

154

S/S

START 11/19/94

COMPLETE 11/19/94

**COMPLETE
TOTAL HRS.**

BORING FOREMAN B. Vincent

BIDDING FOR INSPECTOR

INSPECTOR -
SOILS ENGR.

LOCATION OF BORING

GROUND SURFACE TO

USE FY

"CASING THEN

Source: *ibid.*

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

© Webster's New World

1. The first of these is the fact that the

Proportions Used

price 13.10%

111 2020%

some 411035%

29 35 to 50%

4015 WL - 50' tall on 2' O.D. Sumpier

Cones:less Density

0 Loose

10 30 Med Dense

30-50 Dense
50+ Very Dense

very dense

Cohesive Consistency

3-4 Soft 30 + Hard

4 8 M/S.11

8-15 Smith
15-19 Smith

1330 9-11-2011

SUMMARY

Earth Boring 6

Rock Coring

Samples 3

HOLE NO 12-50

REPORT SENT TO above / Bldg. #5 PROJ NO. _____
SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/19/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/19/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN <u>R. Allen</u>	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

GROUND SURFACE TO

USE ()

"CASING THEN

Sample Type

OTOL, 2 Colored W. 4/1/50

uninterrupted history

To: Mr. J. P. A. Adams, "The Times"

if [redacted] and [redacted]

Proportions Used

price 110¢

1998 0102010

2010352

1545022

140 lb WI - 30' fall on 2" O.D. Sampler

Cohesiveness Density | Cohesive Consistency

10 30 Med Dense

30-50 Dense
50-100 Very Dense

on 200 Sampler

Cohesive Consistency

0.4 Soft

4 8 M/St.11

8-15 Shift
15-30 V-Shift

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

HOLE NO 12-50!

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING THEN

Sample Type

Proportions used

140lb wt x 30 fall on 2' O.D. Sampler

SUMMARY

Page 116 09%

Cumulative Density

Cohesive Consistency

Earth Boring 6'

14-00000

1999 200209%

20 loose

G-4 Soft 30 + Hard

Rock Coring _____

For the first time, a student can take the test!

sump 2010 35%

10-30 Med Dense
10-60 Dense

4 A M/Shift
9 15 9 15

Samples _____

U.S. Dept. of Justice

350502

30-50 Dense
60-70 Very Dense

8-15 Shift
15-30 Shift

HOLE NO 12-506

PROJECT NAME NEW BRITAIN AIRPORT - CONVEYER - LOCATION BRITAIN, CT
 REPORT SENT TO above Bldg. #5 PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 95-41 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ Hours	Type _____	S/S _____	_____	START 11/19/94	_____
		Size: O _____	3 1/2" _____	_____	COMPLETE 11/20/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL MRS _____	_____
		Hammer Fu _____	30" _____	_____	BORING FOREMAN <u>J. Medeiros</u>	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6 on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken				4'	Asphalt	1	24'	2
		2'-4'	D	"	"	"			" "	2	24'	2
		4'-6'	D	"	"	"			" "	3	24'	1
								6'	Bottom of Boring 6'			

GROUND SURFACE TO

USED

'CASING THEN

Sample Type

Proportions Used

140lb WT + 30' fall on 2" O.D. Sampler

SUMMARY

Dr. C. Ford A. ...

Trace 0.00%

Cohesiveness Density

Cohesive Consistency

Earth Boring 6

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

10/6/2002

0 0 Loose

0-4 Soft 30 + Hard

Rock Coring

Test for a single value test

some 20 to 35%.

10 30 Med Dense

4-9 M/S/111

Samples 3

of industry, and the

3512505

50 50 Dense
50 50 Very Dense

8 15 5:11
15 30 4:51

HOLE NO 12-50

OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	11/19/94	8:00
COMPLETE	11/19/94	5:00
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

SUMMARY	
Earth Boring	6
Rock Coring	
Samples	3

HOLE NO 12-50

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/20/94	9:57
			Size D _____	3 1/2"	_____	COMPLETE 11/20/94	9:57
At _____	after _____	Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
						INSPECTOR _____	
						SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6 on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken				4'	Asphalt	1	24"	2'
		2'-4'	D	"	"	"			Brown SAND & Gravel	2	24"	2'
		4'-6'	D	"	"	"			" "	3	24"	2'
								6'				
									Bottom of Boring 6'			

SUMMARY
Earth Boring 6'
Rock Coring 3
Samples 3

HOLE NO 12-509

PROJECT NAME <u>MST BRVA DISTRICT - AMMUNITION</u>		OFFSET _____
REPORT SENT TO <u>above / Bldg. #5</u>	PROJ NO _____	SURF. ELEV. _____
SAMPLES SENT TO <u>Taken at Site</u>	OUR JOB NO <u>95-41</u>	

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	hours	Type _____	S/S	_____	START 11/20/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 11/20/94	_____
At _____	after _____	hours	Hammer #1 _____	3004	_____	TOTAL HRS. _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING

THEN

Sample Type
 0 Dry & Cold & Water
 10 Disturbed & Dry
 20 Test No. 1 & 2
 30 Test No. 3 & 4
 40 Test No. 5 & 6
 50 Test No. 7 & 8
 60 Test No. 9 & 10
 70 Test No. 11 & 12
 80 Test No. 13 & 14
 90 Test No. 15 & 16
 100 Test No. 17 & 18
 110 Test No. 19 & 20
 120 Test No. 21 & 22
 130 Test No. 23 & 24
 140 Test No. 25 & 26
 150 Test No. 27 & 28
 160 Test No. 29 & 30
 170 Test No. 31 & 32
 180 Test No. 33 & 34
 190 Test No. 35 & 36
 200 Test No. 37 & 38
 210 Test No. 39 & 40
 220 Test No. 41 & 42
 230 Test No. 43 & 44
 240 Test No. 45 & 46
 250 Test No. 47 & 48
 260 Test No. 49 & 50
 270 Test No. 51 & 52
 280 Test No. 53 & 54
 290 Test No. 55 & 56
 300 Test No. 57 & 58
 310 Test No. 59 & 60
 320 Test No. 61 & 62
 330 Test No. 63 & 64
 340 Test No. 65 & 66
 350 Test No. 67 & 68
 360 Test No. 69 & 70
 370 Test No. 71 & 72
 380 Test No. 73 & 74
 390 Test No. 75 & 76
 400 Test No. 77 & 78
 410 Test No. 79 & 80
 420 Test No. 81 & 82
 430 Test No. 83 & 84
 440 Test No. 85 & 86
 450 Test No. 87 & 88
 460 Test No. 89 & 90
 470 Test No. 91 & 92
 480 Test No. 93 & 94
 490 Test No. 95 & 96
 500 Test No. 97 & 98
 510 Test No. 99 & 100
 520 Test No. 101 & 102
 530 Test No. 103 & 104
 540 Test No. 105 & 106
 550 Test No. 107 & 108
 560 Test No. 109 & 110
 570 Test No. 111 & 112
 580 Test No. 113 & 114
 590 Test No. 115 & 116
 600 Test No. 117 & 118
 610 Test No. 119 & 120
 620 Test No. 121 & 122
 630 Test No. 123 & 124
 640 Test No. 125 & 126
 650 Test No. 127 & 128
 660 Test No. 129 & 130
 670 Test No. 131 & 132
 680 Test No. 133 & 134
 690 Test No. 135 & 136
 700 Test No. 137 & 138
 710 Test No. 139 & 140
 720 Test No. 141 & 142
 730 Test No. 143 & 144
 740 Test No. 145 & 146
 750 Test No. 147 & 148
 760 Test No. 149 & 150
 770 Test No. 151 & 152
 780 Test No. 153 & 154
 790 Test No. 155 & 156
 800 Test No. 157 & 158
 810 Test No. 159 & 160
 820 Test No. 161 & 162
 830 Test No. 163 & 164
 840 Test No. 165 & 166
 850 Test No. 167 & 168
 860 Test No. 169 & 170
 870 Test No. 171 & 172
 880 Test No. 173 & 174
 890 Test No. 175 & 176
 900 Test No. 177 & 178
 910 Test No. 179 & 180
 920 Test No. 181 & 182
 930 Test No. 183 & 184
 940 Test No. 185 & 186
 950 Test No. 187 & 188
 960 Test No. 189 & 190
 970 Test No. 191 & 192
 980 Test No. 193 & 194
 990 Test No. 195 & 196
 1000 Test No. 197 & 198
 1010 Test No. 199 & 200
 1020 Test No. 201 & 202
 1030 Test No. 203 & 204
 1040 Test No. 205 & 206
 1050 Test No. 207 & 208
 1060 Test No. 209 & 210
 1070 Test No. 211 & 212
 1080 Test No. 213 & 214
 1090 Test No. 215 & 216
 1100 Test No. 217 & 218
 1110 Test No. 219 & 220
 1120 Test No. 221 & 222
 1130 Test No. 223 & 224
 1140 Test No. 225 & 226
 1150 Test No. 227 & 228
 1160 Test No. 229 & 230
 1170 Test No. 231 & 232
 1180 Test No. 233 & 234
 1190 Test No. 235 & 236
 1200 Test No. 237 & 238
 1210 Test No. 239 & 240
 1220 Test No. 241 & 242
 1230 Test No. 243 & 244
 1240 Test No. 245 & 246
 1250 Test No. 247 & 248
 1260 Test No. 249 & 250
 1270 Test No. 251 & 252
 1280 Test No. 253 & 254
 1290 Test No. 255 & 256
 1300 Test No. 257 & 258
 1310 Test No. 259 & 260
 1320 Test No. 261 & 262
 1330 Test No. 263 & 264
 1340 Test No. 265 & 266
 1350 Test No. 267 & 268
 1360 Test No. 269 & 270
 1370 Test No. 271 & 272
 1380 Test No. 273 & 274
 1390 Test No. 275 & 276
 1400 Test No. 277 & 278
 1410 Test No. 279 & 280
 1420 Test No. 281 & 282
 1430 Test No. 283 & 284
 1440 Test No. 285 & 286
 1450 Test No. 287 & 288
 1460 Test No. 289 & 290
 1470 Test No. 291 & 292
 1480 Test No. 293 & 294
 1490 Test No. 295 & 296
 1500 Test No. 297 & 298
 1510 Test No. 299 & 300
 1520 Test No. 301 & 302
 1530 Test No. 303 & 304
 1540 Test No. 305 & 306
 1550 Test No. 307 & 308
 1560 Test No. 309 & 310
 1570 Test No. 311 & 312
 1580 Test No. 313 & 314
 1590 Test No. 315 & 316
 1600 Test No. 317 & 318
 1610 Test No. 319 & 320
 1620 Test No. 321 & 322
 1630 Test No. 323 & 324
 1640 Test No. 325 & 326
 1650 Test No. 327 & 328
 1660 Test No. 329 & 330
 1670 Test No. 331 & 332
 1680 Test No. 333 & 334
 1690 Test No. 335 & 336
 1700 Test No. 337 & 338
 1710 Test No. 339 & 340
 1720 Test No. 341 & 342
 1730 Test No. 343 & 344
 1740 Test No. 345 & 346
 1750 Test No. 347 & 348
 1760 Test No. 349 & 350
 1770 Test No. 351 & 352
 1780 Test No. 353 & 354
 1790 Test No. 355 & 356
 1800 Test No. 357 & 358
 1810 Test No. 359 & 360
 1820 Test No. 361 & 362
 1830 Test No. 363 & 364
 1840 Test No. 365 & 366
 1850 Test No. 367 & 368
 1860 Test No. 369 & 370
 1870 Test No. 371 & 372

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
most	35 to 50%

140lb WT x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
2-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V. Stiff

SUMMARY
Earth Boring 6
Rock Coring 3
Samples 3

HOLE NO 12-510

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/20/94	_____
		Size D _____	3 1/2"	_____	COMPLETE 11/20/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
				BIT	INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

CASE NO.	TIME
1	10:00
2	10:15
3	10:30
4	10:45
5	11:00
6	11:15
7	11:30
8	11:45
9	12:00
10	12:15
11	12:30
12	12:45
13	13:00
14	13:15
15	13:30
16	13:45
17	14:00
18	14:15
19	14:30
20	14:45
21	15:00
22	15:15
23	15:30
24	15:45
25	16:00
26	16:15
27	16:30
28	16:45
29	17:00
30	17:15
31	17:30
32	17:45
33	18:00
34	18:15
35	18:30
36	18:45
37	19:00
38	19:15
39	19:30
40	19:45
41	20:00
42	20:15
43	20:30
44	20:45
45	21:00
46	21:15
47	21:30
48	21:45
49	22:00
50	22:15
51	22:30
52	22:45
53	23:00
54	23:15
55	23:30
56	23:45
57	24:00
58	24:15
59	24:30
60	24:45
61	25:00
62	25:15
63	25:30
64	25:45
65	26:00
66	26:15
67	26:30
68	26:45
69	27:00
70	27:15
71	27:30
72	27:45
73	28:00
74	28:15
75	28:30
76	28:45
77	29:00
78	29:15
79	29:30
80	29:45
81	30:00
82	30:15
83	30:30
84	30:45
85	31:00
86	31:15
87	31:30
88	31:45
89	32:00
90	32:15
91	32:30
92	32:45
93	33:00
94	33:15
95	33:30
96	33:45
97	34:00
98	34:15
99	34:30
100	34:45

140 lb wt + 50 ft on 2 1/2" Sampler

Compressive Density

20 1005e

some 200,000%

15:57

0-4 Scff

4.8 M/Siff

H-15 S111
6-12-44 F-111

Earth Acryl 40

Rock Loring

Samples 2

HOLE NO 12-511

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED _____ CASING THEN

Sample Type	Proportions Used	140lb Wt + 30' fall on 2" O.D. Sampler	SUMMARY
0 Dry, 0 Cores, 0 Augered	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6'</u>
0P Undisturbed Factor	same 10 to 20%	0 10 Loose	Rock Coring <u> </u>
1P Test Pit, 0 Auger, 0 Cone Test	same 20 to 35%	10 30 Med Dense	Samples <u>3</u>
0P Undisturbed Throw	same 35 to 50%	30 50 Dense	
		50 + Very Dense	
		0 4 Soft 30 + Hard	
		4 8 M/Stiff	
		8 15 Stiff	
		15 30 V-Stiff	

HOLE NO 12-512

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED _____ CASING THEN

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	SUMMARY
Dry Cored A-A test	none 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
OF Undisturbed Piston	fine 10 to 20%	0-10 Loose	Rock Coring <u> </u>
10" Test Pit A-Auger & Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
OF Undisturbed Plug	med 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-513

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	DATE	TIME
At _____	after _____ hours	Type _____	_____	S/S	_____	START 11/20/94	_____
		Size D _____	_____	3 1/2"	_____	COMPLETE 11/20/94	_____
At _____	after _____ hours	Hammer Wt _____	_____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	_____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

(USE)

'CASING THEN

Sample Type

Proportions Used

40lb wt & 30' fall on 2 O.D. Sampler

SUMMARY

O O, C-Ceres A. 400-410

trope 010109

Cohesionless Density

Cohesive Consistency

Earth Boring 6

UP: *unstable* *unstable* *unstable*

0.1000

C O Loose

(1) 4 Set! 30 + Hard

Rock Coring

10. Test for a single value test

2010 2010

10 30 Med Dense
12 40 Dense

4.8 M/Still

Samples 3

U.S. Customs, 1991, 1992, 1993

35105012

50-50 Dense
40-60 Very Dense

8 15 5111
5 30 25110

MOLE NC 12-51

HOLE NO 12-514

SURF. ELEV. _____

Date **Time**

START 11/20/94

COMPLETE 11/20/94

BORING FOREMAN R. Allen

INSPECTOR _____

INSPECTOR -
SOILS ENGR.

SOILS ENVA.

USED " CASING THEN

Proportions Used

force 0 to 100%

100% 100%

some	2010 15%
------	----------

50% 20 to 35%
 10% 35 to 50%

140lb Wt x 30' fall on 2" O.D. Sampler

Cohesionless Density

0 10 Loose

10:30 Med Dense

30 50 Dense
50 + Very Dense

Cohesive Consistency

0-4 Soft

4-8 M/Stiff

8:15 Shift
15:30 V-Shift

SUMMARY

Earth Boring 6

Rock Coring _____

Samples 3

HOLE NO 12-515

PROJECT NAME <u>LOW LEVEL RADIATION INVESTIGATION</u>		LOCATION <u>ALLAPOOK, MISS.</u>
REPORT SENT TO <u>above</u>	<u>/</u>	Bldg. #5
SAMPLES SENT TO <u>Taken at Site</u>		PROJ NO _____
		OUR JOB NO <u>95-41</u>
		OFFSET _____
		SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLE	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/20/94	_____
			Size D _____	3 1/2"	_____	COMPLETE 11/20/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	
					BIT	INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Re
		0'-2'	D	Blows not Taken				4'	Asphalt	1	24'	2
		2'-4'	D	"	"	"			Brown SAND & Gravel	2	24'	2
		4'-6'	D	"	"	"			" "	3	24'	2
								6'	Bottom of Boring 6'			

GROUND SURFACE TO _____ USED _____ "CASING THEN _____

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	SUMMARY
D-Dry C-Cored W-Washed	trace 0 to 0%	Cohesionless Density	Earth Boring <u>6'</u>
UP Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring <u>3</u>
1st Test Pist. A Auger V-Vine Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UP Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		Cohesive Consistency	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-51

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING THEN

Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler	SUMMARY
D-Dry C-Cored W-Washed	trace 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP Undisturbed Piston	little 10 to 20%	0-10 Loose	Rock Coring <u>3</u>
1/2 Test Pit A-Auger V-Vane Test	some 20 to 35%	10-30 Med Dense	Samples <u>3</u>
LT Undisturbed Thinwall	and 35 to 50%	30-50 Dense	
		50+ Very Dense	
		Cohesive Consistency	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-51

SURF. ELEV.

OUR JOB

LOCATION OF BORING	
--------------------	--

THEN

SUMMARY:

Earth Boring 6

Rock Coring

Samples _____

HOLE NO 12-518

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

[illegible]

SUMMARY

Earth Boring _____
Rock Coring _____
Samples _____

HOLE NO 12-51

LINE 25 314. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

SUMMARY

Earth Boring _____ 6'

Rock Coring _____

Samples _____ 3

HOLE NO12-520

LINE 0 51A _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	11/20/94	
COMPLETE	11/20/94	
TOTAL HRS		
BORING FOREMAN	J. SOUSA	
INSPECTOR		
SOILS ENGR.		

DEPTH	Casing Blows per 100'	Sample Depths From - To	Type of Sample	Blows per 6 in Sample			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard ness, Drilling time, seams and etc	SAMPLE		
				From 0-6	6-12	12-18				No	Pen	Re
		0'-2'	D	Blows not Taken				5'	Asphalt	1	24'	2
		2'-4'	D	"	"	"			Brown fine to coarse SAND & Gravel, Cobbles, tr. silt	2	24'	2
		4'-6'	D	"	"	"			" with more Cobbles & Gravel	3	24'	2
								6'	Bottom of Boring 6'			

CASING THEN

140-b #1 x 30 fall on 2 50 Sampler	
Cohesiveness Density	Cohesive Consistency
0-1 Loose	0-4 Soft
2-3 Med Dense	4-8 M/Stiff
3-4 Dense	8-15 Stiff
4-5 Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring _____ 6"
Rock Coring _____
Samples _____ 3

HOLE NO 12-52

LINE B STA. _____
OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At <u>None</u>	after <u>Comp</u> hours	Type		S/S		START <u>11/20/94</u>	<u>8:00</u>
		Size D		3 1/2"		COMPLETE <u>11/20/94</u>	<u>8:00</u>
At <u> </u>	after <u> </u> hours	Hammer At		300#		TOTAL MRS.	
		Hammer Fall		30"	BIT	BORING FOREMAN <u>A. Whitaker</u>	
						INSPECTOR <u> </u>	
						SOILS ENGR. <u> </u>	

[illegible]

CASING THEN

140lb Wt + 30 fall on 2 O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY

Earth Boring _____ 6
Rock Coring _____
Samples _____ 3

HOLE NO 12-522

PROJECT NAME Low Level Radiation Invest LOCATION Attleboro, Mass.
REPORT SENT TO above / Bldg. #5 PROJ NO _____
SAMPLES SENT TO Taken at Site OUR JOB NO 95-41

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ hours	Type _____	S/S	_____	START 11/20/94	_____
		Size: D _____	3 1/2" L2 1/2"	_____	COMPLETE 11/20/94	_____
		Hammer Wt _____	300#	BIT	TOTAL HRS _____	
At _____	after _____ hours	Hammer Fall _____	30"	_____	BORING FOREMAN J. Sousa	
					INSPECTOR _____	
					SOILS ENGR _____	

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING

THE N

Sample Type
Dry Colored Aged
Un-distilled Water
Tested in A Auger - same test
Un-distilled Water

Proportions Used	
None	0 to 10%
Some	10 to 20%
Some	20 to 35%
All	35 to 50%

Cohesionless Density	Cohesive Consistency
0-2 Loose	0-4 Soft
3-5 Med Dense	4-8 M/Soft
6-10 Dense	8-15 Stiff
11-14 Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-52

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

[illegible]

CASING THEN

140lb Wt + 30' fall on 2" O.D. Sampler	
Cohesiveless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30+ Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V-Stiff

SUMMARY
Earth Boring 6'
Rock Boring 3
Samples 3

HOLE NO 12-524

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock - color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From	To					No	Pen	Re
				0-6	6-12	12-18						
		0'-2'	D	Blows not Taken				5"	Asphalt	1	24"	2
		2'-3'	D	"	"	"		3'	Fine to coarse SAND & Gravel, Cobbles, trace silt " "	2	12"	1
									Refusal - Bottom of Boring 3'			

Sample Type	Proportions used	40lb Wt + 30 lb on 2 1/2" Sampler	SUMMARY
2 Dry C Cores W + 1/2"	trace 10% to 20%	Cohesiveness Density	Earth Boring 3'
0.5" undisturbed samples	trace 10% to 20%	Loose	Rock Coring
1.5" Test Pit W + Auger + 1/2" test	same 20% to 40%	30-35 Med Dense	Samples 2
0.5" undisturbed threads	trace 10% to 20%	35-40 Dense	
		40-45 Very Dense	
		4-6 Soft 30 + Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 + Stiff	

HOLE NO 12-52

LINE OR SIM. _____
OFFSET _____
SURF. ELEV. _____

[illegible]

USED _____ CASING THEN _____

Proportions Used

100% 0.00%

4:11e 10'0209%.

same 2010 35%

and 34 to 50%.

140 lb Wt x 30' fall on 2" O.D. Sampler

Cohesionless Density

010 Loose

030 Med Dense

50 50 Dense
47 47 Very Dense

Cohesive Consistency

0-4 Soft 30 + Hard

4. A. M/S: 11

8-15 51.19
8-12 51.19

SUMMARY

Earth Burning 61

Rock Coreing _____

Samples 3

HOLE NO 12-256

CONFIDENTIAL

Source	Sample
--------	--------

GROUND SURFACE TO	USED	CASING	THEN
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

THEN

SUMMARY

Earth Boring

Rock Coring

Scripts

HOLE NO 12-52

NOTE: No

LINE 0 STA. _____
 OFFSET _____
 SURF. ELEV. _____

LOCATION OF BORING												
DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5' on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6'	To 6-12'	To 12-18'				No	Pen	R
		0'-2'	D	Blows not Taken				4'	Asphalt	1	24'	1
		2'-4'	D	"	"	"			Brown SAND & Gravel	2	24'	1
		4'-6'	D	"	"	"		6'	" "	3	24'	1
									Bottom of Boring 6'			

USED "CASING THEN

Sample Type	Proportions Used	140lb Wt + 30" fall on 2" O.D. Sampler	SUMMARY
Dry Cored & Asmet	fine 0 to 10%	Cohesionless Density	Earth Boring <u>6</u>
UP Undisturbed Piston	fine 10 to 20%	0-10 Loose	Rock Coring <u> </u>
T ₁ Test Pit - A Auger - Vane Test	same 20 to 35%	10-30 Med Dense	Samples <u>3</u>
UP Undisturbed Thruwall	med 35 to 50%	30-50 Dense	
		50+ Very Dense	
		0-4 Soft 30+ Hard	
		4-8 M/Stiff	
		8-15 Stiff	
		15-30 V-Stiff	

HOLE NO 12-52

LINE & STA _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/20/94	_____
		Size - D _____	3 1/2"	_____	COMPLETE 11/20/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	BIT	TOTAL HRS. _____	
		Hammer Fall _____	30"	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

[illegible]

USE ()

CASING THEN

Proportions Used	
none	0 to 10%
little	10 to 20%
some	20 to 35%
most	35 to 50%

140lb Wt. - 30' fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Shift
30-50 Dense	8-15 Shift
50+ Very Dense	15-30 V-Shift

SUMMARY
Earth Boring 6'
Rock Coring
Samples 3

HOLE NO 12-52

OFFSET _____
SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 11/21/94	_____
_____	_____	Size: D _____	3 1/2" _____	_____	COMPLETE 11/21/94	_____
At _____	after _____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL HRS. _____	_____
_____	_____	Hammer Fall _____	30" _____	_____	BORING FOREMAN J. Medeiros	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

Sample Type
Dry Colored & Aged
Indistinct Imprints
Test for Aged & Aged Test
Indistinct Imprints

Proportions Used	
none	0 to 10%
little	10 to 20%
some	20 to 35%
1	35 to 50%

140lb Wt + 30 fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30+ Stiff

SUMMARY

h Boring	5
h Coring	3
amples	3

HOLE NO 12-530

TIME OF DAY _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

Color	Sample	1-08	Blond, nat 6"	Mouth	EQ#	IDENTIFICATION
-------	--------	------	---------------	-------	-----	----------------

GROUND SURFACE TO		USED		MEASURING THEN		SUMMARY	
Sample Type		Proportions Used	40lb Wt x 30 ft on 2" O.D.	Cohesionless Density	Cohesive Consistency	Earth Boring	6'
1/2 Dry, 1/2 Saturated, W. Sample		none	100% 100%			Rock Boring	3'
1/2 Dry, 1/2 Saturated, F. Sample		none	100% 100%			Samples	
1/2 Dry, 1/2 Saturated, A. Sample		same	100% 100%				
1/2 Dry, 1/2 Saturated, F. Sample		same	100% 100%				

LINE 031A. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED

CASING THEN

Dispositions Used	1990-1999	2000-2009	2010-2019	2020-2029
None	10 to 15%	10 to 20%	10 to 35%	15 to 50%

Penetration Density	Cohesive Consistency
0-2 Loose	0-4 Soft
3-50 Med Dense	4-8 M-Stiff
50-60 Dense	8-15 Stiff
60-70 Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring _____
Rock Boring _____
Samples 3

HOLE NO 12-533

DATE: _____

Ying

8. 99

INSPECTOR

SOILS ENGINEERING

100

5.000	100.000
1.000	20.000

3.1074

490

30 241 Dense
31 242 Dense

N 15 S 111
 6 1/2 1 1/2

N 15 S 111
 6 1/2 1 1/2

Samples 3

MOLE NO 12-534

LINE 8 STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt x 30' fall on 2" O.D. Sampler				Earth Boring	4
0 Dry, 0 Cored, W. Auger		trace	0 to 10%	Penetrationless Density		Cohesive Consistency		Rock Coring	
0 P. and disturbed Piston		little	10 to 20%	0-10 Loose		0-4 Soft	30' + Hard	Samples	2
10% Test Pit, A Auger, V. vane Test		some	20 to 35%	10-30 Med Dense		4-8 M/Stiff		HOLE NO 12-53	
0 U. Undisturbed Thinwall		and	35 to 50%	30-50 Dense		8-15 Stiff			
				50+ Very Dense		15-30 V-Stiff			

HOLE NO 12-53

Date _____ Time _____

Date	Time
------	------

S/S

34"

3004

30'

COMPLETE 11/21/94

TOTAL HRS

BORING FOREMAN R. Allen

INSPECTOR

SOILS ENGR.

[illegible]

THEN

140lb Wt & 30' fall on 2" O.D. Sampler

Conesionless Density

0 00 Loose

10 30 Med Dense

30-50 Dense
50-100 Very Dense

Cohesive Consistency

G-4 Soft 30 + Hard

4.8 M/S/11

8 15 Still

SUMMARY

Earth Boring 6'

Rock Coring

Samples 3

MOLE NO 12-536

SURF. ELEV.

START 11/21/94 9:00
COMPLETE 11/21/94 9:00
TOTAL HRS 9:00
BORING FOREMAN J. Medeiros
INSPECTOR
SOILS ENGR.

[illegible]

HOLE NO 12-537

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/21/94	_____
			Size D _____	3½"	_____	COMPLETE 11/21/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL MRS.	_____
			Hammer Fall _____	30"	BIT	BORING FOREMAN R. Allen	_____
						INSPECTOR	_____
						SOILS ENGR.	_____

USED

CASING THEN

Proportions Used	
more	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50 + Very Dense	15-30 V-Stiff

SUMMARY:
Earth Boring 6
Rock Coring
Samples 3

HOLE NO 12-538

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____	Hours	Type _____	S/S	_____	START 11/21/94	_____
			Size ID _____	3 1/2"	_____	COMPLETE 11/21/94	_____
At _____	after _____	Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
			Hammer Fall _____	30"	_____	BORING FOREMAN J. Medeiros	_____
					BIT	INSPECTOR _____	_____
						SOILS ENGR. _____	_____

Sample Type
D Dry C Cored & Asched
UN Undisturbed Test
TT Test Pit & Auger & Vane Test
UL Undisturbed Test

Proportions Used	
trace	0 to 10%
little	10 to 20%
some	20 to 35%
and	35 to 50%

140lb Wt x 30" Fall on 2" O.D. Sampler	
Cohesionless Density	Cohesive Consistency
0-10 Loose	0-4 Soft 30 + Hard
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50+ Very Dense	15-30 V. Stiff

SUMMARY

Earth Boring	6'
Rock Coring	
Samples	3

HOLE NO 12-539

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S	_____	START 11/21/94	_____
		Size: D _____	3 1/2"	_____	COMPLETE 11/21/94	_____
At _____	after _____ Hours	Hammer Wt _____	300#	_____	TOTAL HRS. _____	_____
		Hammer Fall _____	30"	BIT _____	BORING FOREMAN <u>R. Allen</u>	_____
					INSPECTOR _____	_____
					SOILS ENGR. _____	_____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt + 30' fall on 2 O.D. Sampler					
D Dry, C Coated, W Wetted		Trace 0 to 10%		Cohesionless Density		Cohesive Consistency		Earth Boring <u>2</u> '4	
UP Undisturbed, Disturb		little 10 to 20%		0-10 Loose		0-4 Soft 30' + Hard		Rock Coring	
TP Test Pit, A Auger, V Vane Test		some 20 to 35%		10-30 Med Dense		4-8 M/Stiff		Samples <u>2</u>	
UT Undisturbed, Thruway		and 35 to 50%		30-50 Dense		8-15 Stiff			
				50+ Very Dense		15-30 V-Stiff		HOLE NO 12-54	

SURF. ELEV.

Date **Time**

START 11/21/94 _____ 9.m
COMPLETE 11/21/94 _____ 9.m
TOTAL HRS. _____ 9.m
BORING FOREMAN J. Medeiros
INSPECTOR _____
SOILS ENGR. _____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO

USED

CASING

THEN

Sample Type

0-1-1 C (Core) A. August

10) Undisturbed Ecton

For Test No. 1 Agree or disagree?

1. Investment in technology

Proportions Used

Trace 0.1010%

Time 10 to 20%

some 201035%

and 35 to 50%

140lb WT x 30' tall on 2" O.D. Sampler

Cohesionless Density

0 10 Loose

10:40 Med Dense
12:40 Dense

30-40 Dense
40-50 Very Dense

Don 200 Sampler

Cohesive Consistency

() - 4 Soft 30 + Hard

4 R M/Stiff

15:30 V-Suite

SUMMARY

Earth Boring 6

Rock Coring

Samples 2

HOLE NO 12-541

LINE IN STA. _____
OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

GROUND SURFACE TO _____		USED _____		"CASING THEN _____			
Sample Type	Proportions Used	140lb Wt x 30" fall on 2" O.D. Sampler				SUMMARY	
D=Dry C-Cored W. Sealed	trace 0 to 10%	Cohesionless Density		Cohesive Consistency		Earth Boring	6'
UP=Undisturbed Piston	little 10 to 20%	0-10 Loose		0-4 Soft	30+ Hard	Rock Coring	
TP=Test Pist. A. Auger. V. Vane Test	some 20 to 35%	10-30 Med Dense		4-8 M/Stiff		Samples	3
UT=Undisturbed Thread	just 35 to 50%	30-50 Dense		8-15 Stiff		HOLE NO 12-542	
		50+ Very Dense		15-30 v-Stiff			

HOLE NO 12-542

LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
AI _____	_____ Hours	Type _____	S/S _____	_____	START 11/21/94	_____
		Size: D _____	3 1/2" _____	_____	COMPLETE 11/21/94	_____
AI _____	_____ Hours	Hammer Wt _____	300# _____	BIT _____	TOTAL MRS. _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN <u>J. Medeiros</u>	
					INSPECTOR _____	
					SOILS ENGR. _____	

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6 on Sampler			Moisture Density or Consist	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hard- ness, Drilling time, seams and etc	SAMPLE		
				From 0-6"	6-12"	12-18"				No	Pen	Re
		0'-2'	D	Blows not Taken				4"	Asphalt	1	24"	2
		2'-4'	D	"	"	"			" "	2	24"	1
		4'-6'	D	"	"	"			" "	3	24"	2
								6'	Bottom of Boring 6'			

USE C

140lb Wt = 30 ton on 2 90 Samplers

Proportions Used	
more	0 to 10%
the	10 to 20%
same	20 to 35%
less	35 to 50%

Cohesionless Density

0-20	Loose
20-30	Med Dense
30-40	Dense
40-60	Very Dense

0-4 Soft 30 + Hard
4-8 M/Soft
8-15 Soft
15-30 M/Soft

SUMMARY

Earth Boring _____ 6
Rock Coring _____
Samples _____ 3

WOLF NO12-543

LINE & STA. _____
OFFSET _____
SURF. ELEV. _____

	<u>Date</u>	<u>Time</u>
START	11/21/94	
COMPLETE	11/21/94	
TOTAL HRS.		
BORING FOREMAN	R. Allen	
INSPECTOR		
SOILS ENGR.		

LOCATION OF BORING

GROUND SURFACE TO

USED

"CASING

THE N

Sample Type
D Dry C Cored W. Austen
OF Undisturbed Fusion
Tr. Test For A Auger V Vane Test
11/11/11 11/11/11

Proportions Used	
none	0 to 10%
little	10 to 20%
some	20 to 35%

140lb Wt & 30" fall on 2 O.D. Sampler	
Coneless Density	Cohesive Consistency
0-10 Loose	0-4 Soft
10-30 Med Dense	4-8 M/Stiff
30-50 Dense	8-15 Stiff
50-100 Very Dense	15-25 Very Stiff

SUMMARY:
Earth Boring _____ 6
Rock Coring _____
Samples _____ 3

HOLF NO 12-54

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____

LOCATION OF BORING

[illegible]

GROUND SURFACE TO	USED	"CASING THEN

SUMMARY
Earth Boring _____ 6'
Rock Coring _____
Samples _____ 3

HOLE NO 12-54

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING

GROUND SURFACE TO

USED "CASING THEN

Sample type

O-Dry C-Cored W-Ashed

UP: Undisturbed Fission

TP: Test Pin A: Auger V: Vane Test

UT - Undersized Throwall

Proportions Used

Trace 0.1010%

10.1020%

none	10 to 20%
some	20 to 35%

and 351050%

140lb Wt a 30" fall on 2 O.D. Samplers

Cohesionless Density

0 10

10-30 Med Dense

30-50 Dense
50+ Very Dense

Cohesive Consistency

G-4 Soft

4.8 M/Stiff

8-15 Shift
15-30 M. S. 1

SUMMARY

Earth Boring 3

Rock Coring

Samples _____

HOLE NO 12-54

OFFSET _____
SURF. ELEV. _____

LOCATION OF BORING _____[illegible]

GROUND SURFACE TO	USED	CASING	THEN	
Sample Type	Proportions Used	140lb Wt 1/30' fall on 2 O.D. Sampler		SUMMARY
D Dry C Cored Wt Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring 6
UP Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30' + Hard	Rock Coring
TP Test Pit A Auger V Vane Test	some 20 to 35%	10-30 Med Dense	4-8 M/Stiff	Samples 3
UT Undisturbed Throwall	and 35 to 50%	30-50 Dense	8-15 Stiff	
		50+ Very Dense	15-30 V-Stiff	

HOLE NO 12-55

HOLE NO 12-550

SURF. ELEV.

SOILS ENGR.

MOT. Mer 601.

HOLE NO 12-55

PROJECT NAME LOW LEVEL RADIATION INVESTIGATION LOCATION ALLIEDPOKO, PHSE.

REPORT SENT TO above / Bldg. #5

PROJ. NO

OFFSET

SAMPLES SENT TO _____ Taken at Site

OUR JOB NO

SURF. ELEV.

GROUND WATER OBSERVATIONS		CASING	SAMPLER	CORE BAR	Date	Time
At _____	after _____ Hours	Type _____	S/S _____	_____	START 11/22/94	_____
At _____	after _____ Hours	Size ID _____	3 1/2" _____	_____	COMPLETE 11/22/94	_____
		Hammer Wt _____	300# _____	BIT _____	TOTAL HRS _____	
		Hammer Fall _____	30" _____	_____	BORING FOREMAN R. Allen	
					INSPECTOR _____	
					SOILS ENGR. _____	

LOCATION OF BORING

[illegible]

SURF. ELEV.

Date Time

JOLES EMM. _____

HOLE NO 12-553

OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO		USED		CASING		THEN		SUMMARY	
Sample Type		Proportions Used		140lb Wt + 30 fall on 2 O.D. Sampler				Earth Boring	6
Dry, Cored, W. Washes		trace	0 to 10%	Cohesionless Density		Cohesive Consistency		Rock Coring	
U. Undisturbed Piston		fine	10 to 20%	0-10 Loose		0-4 Soft	30 + Hard	Samples	3
Tilt Test Pit - A Auger - V. Vane Test		same	20 to 35%	10-30 Med Dense		4-8 M/Stiff			
U. Undisturbed Thinwall		and	35 to 50%	30-50 Dense		8-15 Stiff			
				50 + Very Dense		15-30 V-Stiff			

HOLE NO 12-55

OFFSET _____
SURF. ELEV. _____

[illegible]

GROUND SURFACE TO _____		USED _____		CASING THEN _____		SUMMARY	
Sample Type	Proportions Used	140lb WT x 30' fall on 2 O.D. Sampler	Cohesionless Density	Cohesive Consistency			
D-Dry, C-Cored, W-Washed	trace 0 to 10%	0-10 Loose	0-4 Soft	30 + Hard			Earth Boring <u>6'</u>
UP Undisturbed Piston	little 10 to 20%	10-30 Med Dense	4-8 M/Stiff				Rock Coring _____
TP Test Pit, A-Auger, V-Vane Test	some 20 to 35%	30-50 Dense	8-15 Stiff				Samples <u>3</u>
UT Undisturbed Throwall	and 35 to 50%	50 + Very Dense	15-30 V-Stiff				HOLE NO 12-55