ROY R. CELLAN
CORPORATE MANAGER
RECLAMATION

ENVIRONMENTAL, HEALTH, SAFETY
AND GOVERNMENT AFFAIRS

September 29, 1999

Mr. John Surmeier, Branch Chief
Uranium Recovery and Low Level Waste Branch
Division of Waste Management. MS 7E-47
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

Re: Docket No 40-8903
License No. SUA-1471
Up-date of Table 2 – Groundwater Monitoring Program (8-97)

Dear Mr. Surmeier:

In the Homestake Mining Company of California (HMC) NRC License No. SUA-1471, License Condition 35A references a table titled Table 2 – Groundwater Monitoring program (8-97). The monitoring program represented by Table 2 (8-97) was accurate when it was submitted, approved and implemented in 1997. However, our program to restore the groundwater is a dynamic and on-going process, which requires constant review and periodic evaluations and modifications to our monitoring program. We have, with the help of Hydro Engineering, completed an evaluation of our monitoring system by reviewing trends of contaminant concentrations in each monitoring well over time. We have also looked at the monitoring system as a whole in an effort to identify how we can more clearly demonstrate the effectiveness of our restoration. We feel that we can streamline our monitoring program to improve its precision and not compromise the effectiveness of the program by making the changes listed within this letter, and replacing Table 2 (8-97) with Table 2 (8-99).

The proposed changes include eliminating some wells and modifying the parameter lists to reduce clutter in the system. We do not propose to eliminate any wells outside of the zone influenced by our collection/injection system, that have not clearly demonstrated restoration. Some of the changes proposed within the zone influenced by our collection/injection system are designed to focus the monitoring program be specific to demonstrating the effectiveness of the collection/injection system.

We have constructed a Reverse Osmosis (R.O.) facility that currently is in the testing phase. We will use the product water from the plant to replace some fresh water in our injection system.

NLOS 1/1

HOMESTAKE MINING COMPANY
P.O. BOX 98 • GRANTS, NM 87020-0011

TABLE 2 – Groundwater Monitoring Program (8-99)

Well Number	Parameters to be Monitored	Frequency of Monitoring
#1 & #2 Deepwells	D	Annually
Broadview Acres Wells 446, SUB1, SUB2, SUB3	G	Annually
Felice Acres Wells 490, 492, 493, 494	G	Annually
Murray Acres Wells 802, 844	G	Annually
Pleasant Valley Wells 688, 846	G	Annually
Regional Wells 920, 942	G	Annually
Site Monitoring Wells F, FB, GH, MO	G	Annually
Collection System Wells	Total Volume	Monthly
Injection System Wells	Total Volume	Monthly
Reversal Wells B, BA, KZ, KF, SO, SP, S1, S2	Water Level	Weekly
Point of Compliance Wells D1, X, S4	B, F	Annually
Background Well P	B	Annually

B = Water Level, pH, TDS, SO_4, Cl, HCO_3, CO_3, Na, Ca, Mg, K, NO_3, U, Se, Mo, Ra-226
D = Ca, Mg, K, Na, HCO_3, CO_3, Cl, SO_4, pH, TDS, Al, As, Ba, Cd, Co, Cr, Cu, CN, F, Fe, Pb, Mn, Hg, Mo, Ni, NO_3 as N, Se, Ag, Zn, U, Filtered Ra-226
F = Cr, V, Ra-228, Th-230
G = Water Level, SO_4, U, Se, TDS, Mo

TABLE 2 – Groundwater Monitoring Program (8-97)

Well Number	Parameters to be Monitored	Frequency of Monitoring
#1 & #2 Deepwell	C	Quarterly
#1 & #2 Deepwell	D	Annually
All Active Injection Wells	Rate & Monthly Total	Monthly
Broadview Acres SUB1, SUB3, 453	A	Semi-Annually
Broadview Acres SUB2	A (except water level)	Semi-Annually
Broadview Acres SUB1, SUB2, SUB3, 434, 446, 453	B (except water level)	Annually
Felice Acres 490, 492, 493, 494	A	Semi-Annually
Felice Acres 490, 492, 493, 494	B	Annually
Murray Acres 802, 844	A	Semi-Annually
Murray Acres 802, 804, 820, 844, WCW	B(no water level in 804)	Annually
Pleasant Valley 688, 835, 846	A (no water level in 835)	Semi-Annually
Pleasant Valley 688, 835, 846	B (no water level in 835)	Annually
Regional 905, 910, 917, 920, 942	B (except water level)	Annually
Site Monitoring Wells B, CW2, CW3, CW4R, PM, WR7, WR11, X, Y	A	Quarterly
Site Monitoring Wells B, CW2, CW3, CW4R, PM, WR7, WR11, X, Y	B & F	Semi-annually
Secondary Site Monitoring Wells BC, B1, BP, D1, DC, DM, DZ, F, FB, I, K2, KM, KZ, M4, MO, N, O, S, SO, SV, T, W, WR5, WR9	A	Semi-annually
Secondary Site Monitoring Wells GH, CW2-1	Water Level Only	Semi-annually

TABLE 2 – Groundwater Monitoring Program (8-97)

Well Number	Parameters to be Monitored	Frequency of Monitoring
Secondary Site Monitoring Wells BC, B1, BP, CW9, D1, DC, DM, DZ, F, FB, I, K2, KM, KZ, M4, MO, N, ND, O, S, SO, SV, S2, T, W, WR9, WR5	B	Annually
Secondary Site Monitoring Wells 931, 934	B	Semi-Annually
Secondary Site Monitoring Well NC	A B	Quarterly Semi-Annually
Secondary Site Monitoring Wells 929, 933, 945, CW40	B (no water level in 933 or 945)	Semi-Annually
All Active Collection Wells	E	Monthly
All Active Collection Wells	B	Annually
All Active Collection Wells	Collection rate, water level and total volume for week	Weekly
Reversal Wells B, BA, KZ, KF, SO, SP, S1, S2	Water Level	Weekly
E Coll Pond, W Coll Pond	B (W Coll Pond - no water level)	Quarterly
E Coll Pond, W Coll Pond	F	Semi-annually
DQ, M5, S3, S4	B	Quarterly
DQ, M5, S3, S4	F	Semi-annually
Background Wells P, P1, P2	B F	Quarterly Semi-annually
Background Wells DD, Q, R	B & F	Annually

A = Water Level, SO_4, U-Nat, Se, TDS
B = Water Level, pH, TDS, SO_4, Cl, HCO_3, CO_3, Na, Ca, Mg, K, NO_3, U-Nat, Se, Mo, Ra-226
C = SO_4, TDS
D = Ca, Mg, K, Na, HCO_3, CO_3, Cl, SO_4, pH, TDS, Al, As, Ba, Cd, Co, Cr, Cu, CN, F, Fe, Pb, Mn, Hg, Mo, Ni, NO_3 as N, Se, Ag, Zn, U-Nat, Filtered Ra-226
E = Water Level, SO_4, U-Nat, TDS
F = V, Ra-228, Th-230

The following is a list of changes and a brief summary of the reasons for the changes:

- Parameter Lists – To be more concise, the following changes will reduce the number of parameter lists from six to four. The primary contaminants and monitoring parameters of concern, close to the tailings piles, are included in the B list (Water Level, pH, TDS, SO_4, Cl, HCO_3, CO_3, Na, Ca, Mg, K, NO_3, U, Se, Mo, Ra-226) and the F list (Cr, V, Ra-228, Th-230). These two lists will remain the same as they are in Table 2 (8-97) and will be used to monitor the point of compliance wells. We will use the B list to monitor the background well. The D list (Ca, Mg, K, Na, HCO_3, CO_3, Cl, SO_4, pH, TDS Al, As, Ba, Cd, Cr, Co, Cu, CN, F, Fe, Pb, Mn, Hg, Mo, Ni, NO_3 as N, Se, Ag, Zn, U Filtered Ra-226) will remain the same as it is in Table 2 (8-97) and be used to monitor the two deep wells. We will add an additional G list (Water Level, SO_4, U, Se, TDS, Mo) which contains parameters that we have found to be important constituents and indicators of contamination at our site. The parameters on this list will be used as the primary indicators to track trends for areas where restoration is taking place.
- #1 & #2 Deep wells – We will eliminate the quarterly sampling for sulfate and total dissolved solids. Trend analysis has shown that though these parameters fluctuate, there is no upward or downward trend over time (refer to Figures 1, and 2). These wells presently supply water to our injection system and will continue to supply water to portions of our injection system when the R.O. facility comes on-line. Therefore, we will continue to monitor these wells annually for the D list of parameters.
- All Active Injection Wells –We will monitor the total volume of water supplied to the injection system on a monthly basis and eliminate individual well monitoring. This, in conjunction with monitoring water level in the reversal wells, will insure adequate injection.
- Broadview Acres – We will continue monitoring wells 446, SUB1, SUB2, and SUB3 for the G list of parameters, though only on an annual basis. The trend analysis for these wells has shown that changes in concentrations are not seasonal and annual monitoring should be adequate (refer to Figures 3, 4, 5 and 6). Wells 434 and 453 will be eliminated from the monitoring program. The trend analysis for these wells has shown that the concentration of contaminants has been reduced to below site standards (refer to Figures 7 and 8).
- Felice Acres – We will continue to monitor wells 490, 492,493 and 494 for the G list of parameters, though only on an annual basis. The trend analysis for these wells has shown that changes in concentrations are not seasonal and annual monitoring should be adequate (refer to Figures 9, 10, 11 and 12).
- Murray Acres – We will monitor, on an annual basis, wells 802, and 844 for the G list of parameters. The trend analysis for these wells has shown that changes in concentrations are not seasonal and annual monitoring should be adequate (refer to Figures 13 and 14). We will eliminate wells 804, 820 and WCW from the monitoring program. The trend analysis for these wells has shown that the concentration of contaminants remain below site standards (refer to Figures 15, 16, and 17).

- Pleasant Valley –Well 688 and 846 will be monitored annually for the G list of parameters. The trend analysis for this well has shown that changes in concentrations are not seasonal and annual monitoring should be adequate (refer to Figure 18 and 19). Well 835 will be eliminated as a monitoring well. It is an old well on private property. The pump no longer works and we were not able to collect a sample in 1998. We feel that wells 688 and 846 will adequately monitor the Pleasant Valley area.
- Regional –Wells 920 and 942 will be monitored annually for the G list of parameters. The trend analysis for these wells has shown that changes in concentrations are not seasonal and annual monitoring should be adequate (refer to Figures 20 and 21). We are proposing to eliminate wells 905, 910 and 917 from the monitoring program. The trend analysis for these wells has shown that the concentration of contaminants has remained below site standards (refer to Figures 22, 23, and 24).
- Site Monitoring Wells – We feel that the site is adequately modeled (portrayed), within the zone influenced by our collection and injection system, with a reduced number of monitoring wells. The intent for monitoring in this zone is to insure the efficiency of the collection/injection system and to identify when restoration is occurring. Therefore, we will monitor this zone with our point of compliance wells and four additional wells. Wells F, FB, and MO will be monitored annually for the G list of parameters. The trend analysis for these wells has shown that changes in concentrations are not seasonal and annual monitoring should be adequate (refer to Figures 25, 26, and 27). Well GH will be added to the monitoring schedule for the G list of parameters. We are presently only monitoring this well for water level, but we feel that it is in an area, which can demonstrate restoration up-gradient of Felice Acres. Wells WR11, WR7, B, PM, CW2, CW3, and CW4R will be eliminated from the monitoring program. Wells WR11 and WR7 will be converted to injection wells when the R.O. facility comes on line and will not be available for monitoring. The zones near wells B, PM and CW4R should be adequately monitored by the point of compliance wells D1, and X. Wells CW2 and CW3 are up-gradient from the tailing pile and should be adequately monitored by the background well P.
- Secondary Site Monitoring Wells –Wells BC, B1, DC, DM, DZ, I, K2, KM, KZ, M4, N, NC, ND, O, S, SO, SV, T, W, WR9, WR5, CW2-1, S2, CW9, NC, 931, 934, 929, 933, 944, 945, and CW-40 will be eliminated from the monitoring program. Wells BC, B1, DC, DM, DZ, I, K2, KM, KZ, M4, S, SO, SV, T, W, WR9, WR5, S2, and CW9 should be adequately monitored by the existing point of compliance wells and wells F, FB, GH, and MO. Well WR5 is presently being used as an injection well and well WR9 will be converted to an injection well when the R.O. facility comes on line. Wells N, NC, ND, and O are up-gradient from the tailing pile and should be adequately monitored by background well P. The trend analysis for wells 931, 934, 929, 933, 945, and CW-40 show declining concentrations that have achieved or are below site standards (refer to Figures 28, 29, 30, 31, 32, and 33). Well 944 is on private land that Homestake does not have permission to access.
- All Active Collection Wells –Total volume of water pumped from the collection system will be monitored on a monthly basis. The point of compliance wells and the influent to the R.O. facility should adequately monitor water quality in the zone of collection. Furthermore, water levels measured in the collection wells are not

representative of the water level in the aquifer because they vary relative to pumping rates.

- Reversal Wells –Monitoring of water levels in wells B, BA, KZ, KF, SO, SP, S1, and S2 will continue on a weekly basis. We feel that these measurements are important to monitoring the effectiveness of our collection/injection system and provide the best insurance that the flow of contamination is toward our collection system.
- East and West Collection Ponds –The East and West Collection Ponds will be eliminated from the monitoring requirements. These are lined ponds used for containing collected water prior to treatment or evaporation. We feel that the point of compliance well D1 will adequately monitor the zone near these ponds.
- Point of Compliance Wells BP, S3, Y, M5 and DQ will be eliminated. Point of Compliance Wells D1, X, and S4 will be monitored on an annual basis for the B list and F list of parameters. The trend analysis for these wells has shown that changes in concentrations are not seasonal and annual monitoring should be adequate. These wells are located in the areas that have the most potential to monitor post restoration effects from the large and small tailings piles. They follow the same analytical trends as existing POC wells BP, S3, and M5 (refer to Figures 34, 35, 36, 37, 38, and 39). Well DQ is located between the large tailings and the evaporation pond and is located in an area that will not adequately monitor the total potential effects from the site post restoration.
- Background Wells –Background monitoring will be reduced to well P. We feel that we have enough baseline data on the background wells to eliminate P1, P2, Q, R, and DD from the monitoring program.
- Reverse Osmosis Facility –Sampling requirements outlined in NRC License SUA-1471 Condition #35-C will be followed for start-up and operation of the plant.

These proposals are designed to modify our monitoring and organize the program so that it clearly demonstrates the effectiveness of our restoration. Although we are reducing the volume of samples and parameters, we feel that we are enhancing the ability to focus our monitoring on the specific need to demonstrate the progress toward restoration at our site.

Included with this package is the following information:

- The proposed new monitoring program table - Table 2 - Groundwater Monitoring Program (8-99);

- The currently used table, Table 2 – Groundwater Monitoring Program (8-97) , that will be replace by the new table listed above;

- Figure 1, a map showing the sampling locations for the currently used monitoring table;

- Figure 2, a map indicating the sampling locations for the proposed monitoring table;

- The Trend Analysis Figures for Table 2 Monitoring Wells for Sulfate, TDS, Uranium, Molybdenum and Selenium. The figures are the time period of 1995 through 1998.

Please contact Ron Waterland or me if you need more information to review this proposal.

Sincerely,

Roy R. Cellan

Enclosures

cc: Mr. Kenneth Hooks, NRC w/attachments
Mr. Charles Cain, Arlington, TX w/attachments
Mr. Harold F. Barnes SFO w/o attachments

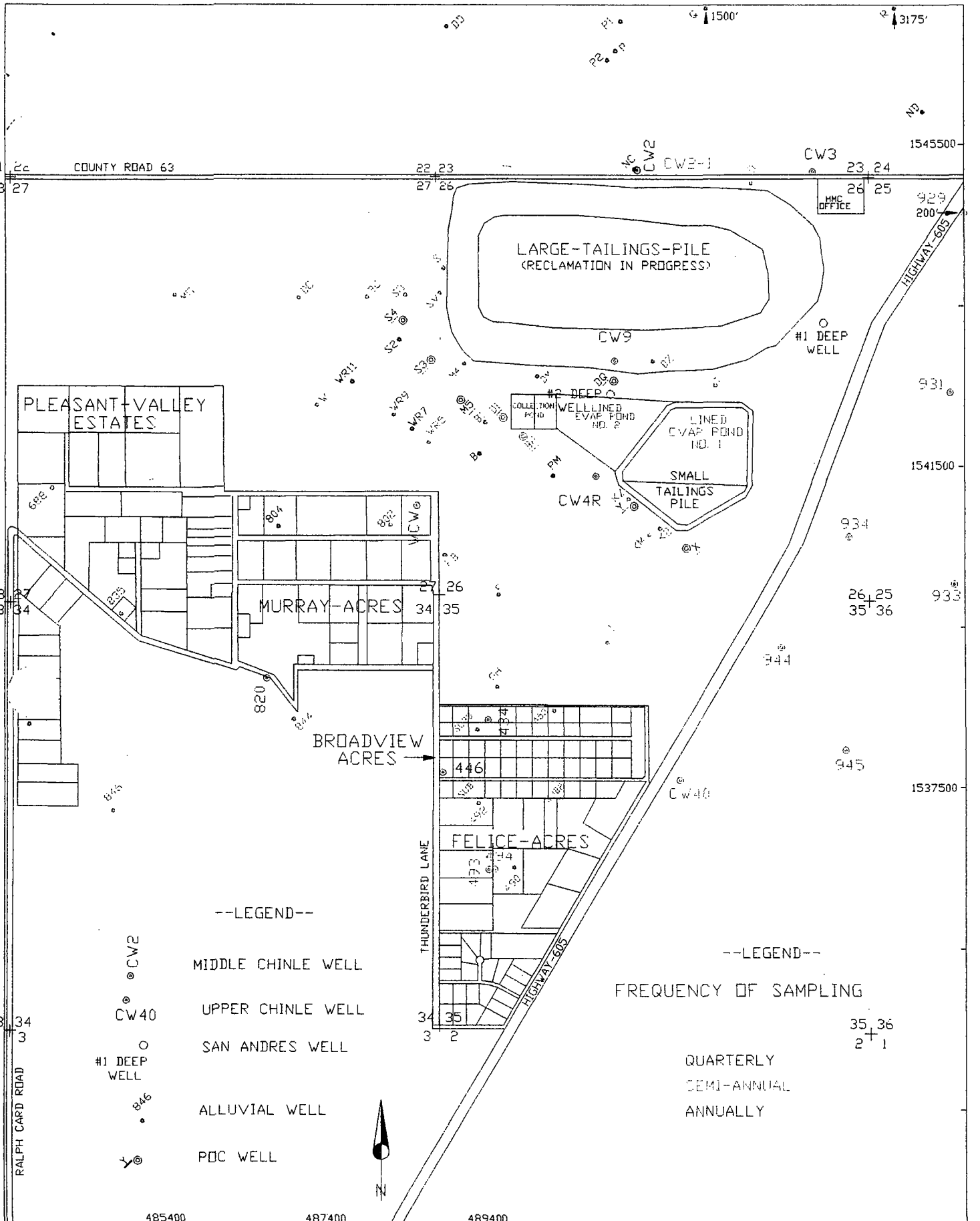

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FIGURE 1. GROUND-WATER MONITORING PROGRAM, 8/97

9506/MON

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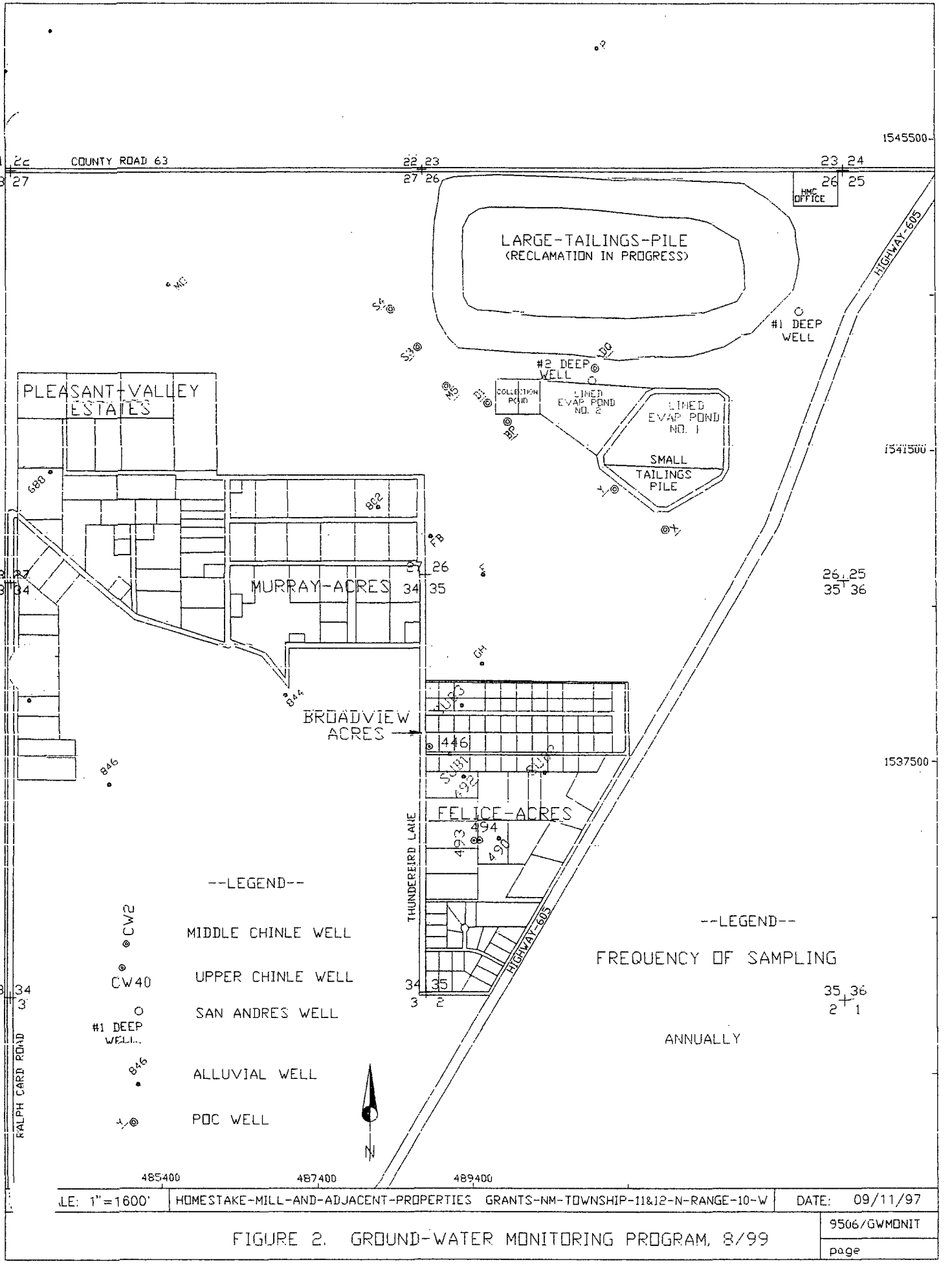

FIGURE 2. GROUND-WATER MONITORING PROGRAM, 8/99

9506/GWMONIT

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HOMESTAKE MINING COMPANY

GRANTS PROJECT

TREND ANALYSIS FIGURES

FOR

TABLE 2 MONITORING WELLS

1995-1998

SULFATE, TDS, URANIUM,

MOLYBDENUM & SELENIUM

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Figure 1
#1 Deepwell

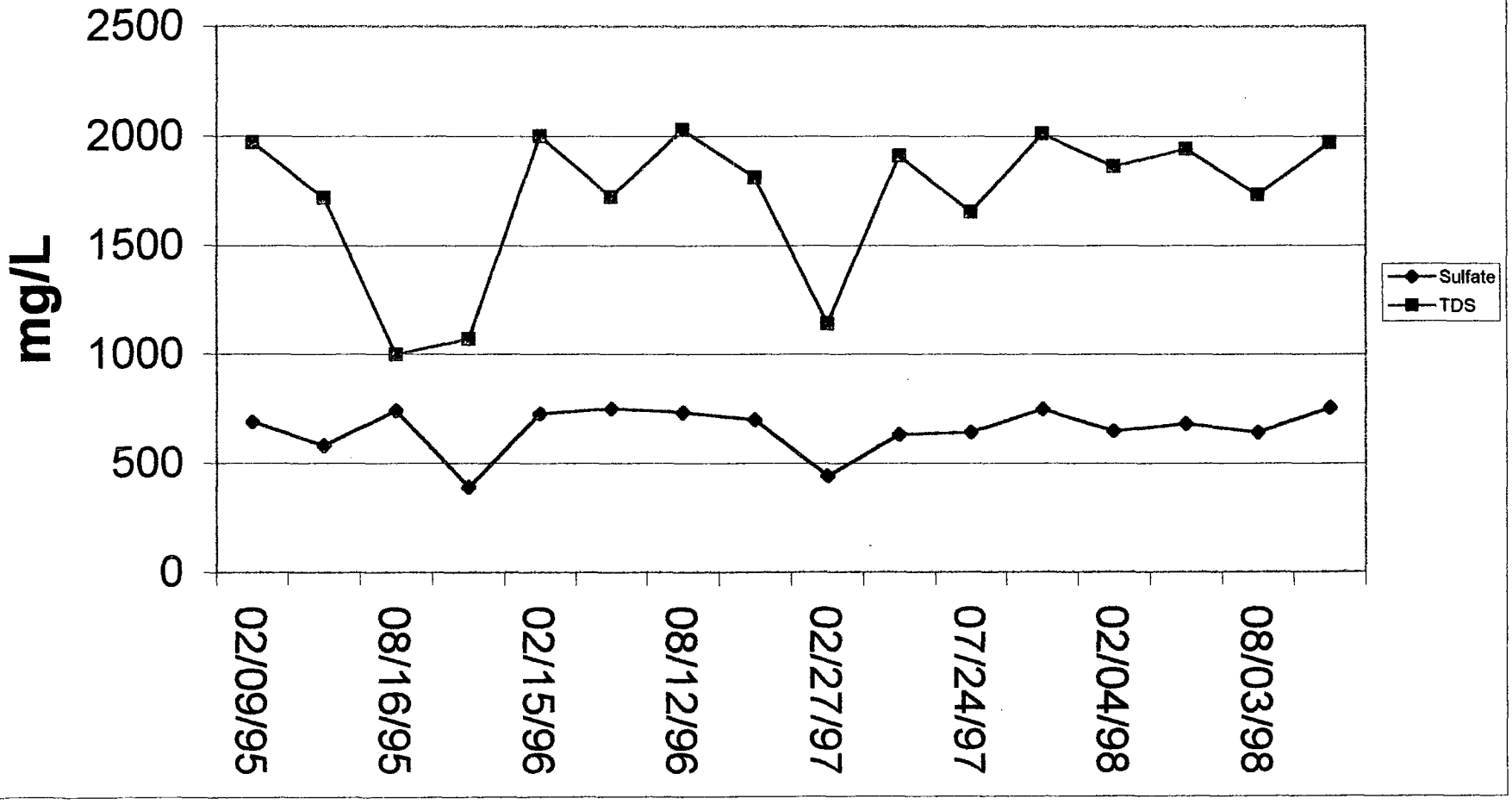


Figure 2
#2 Deepwell

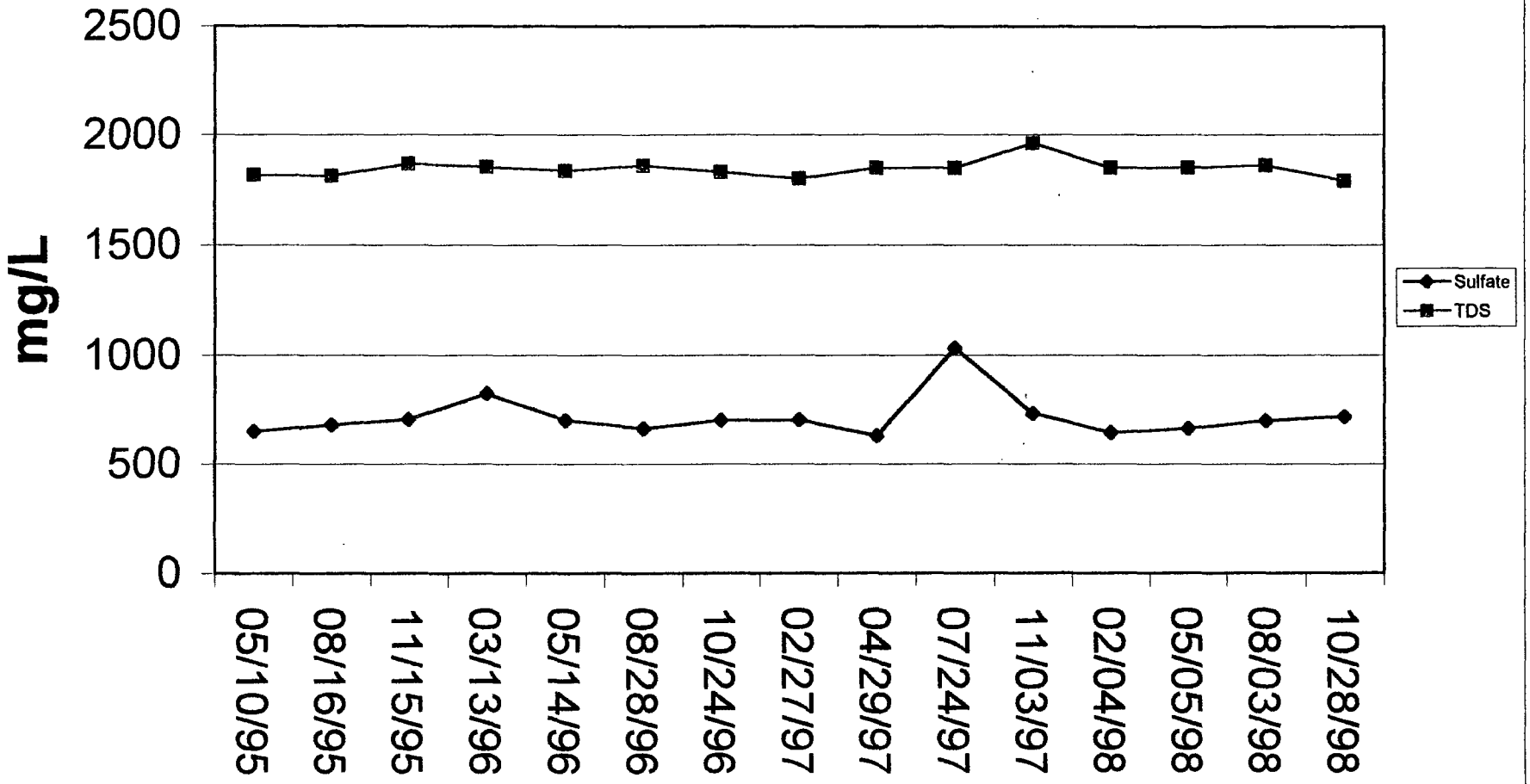
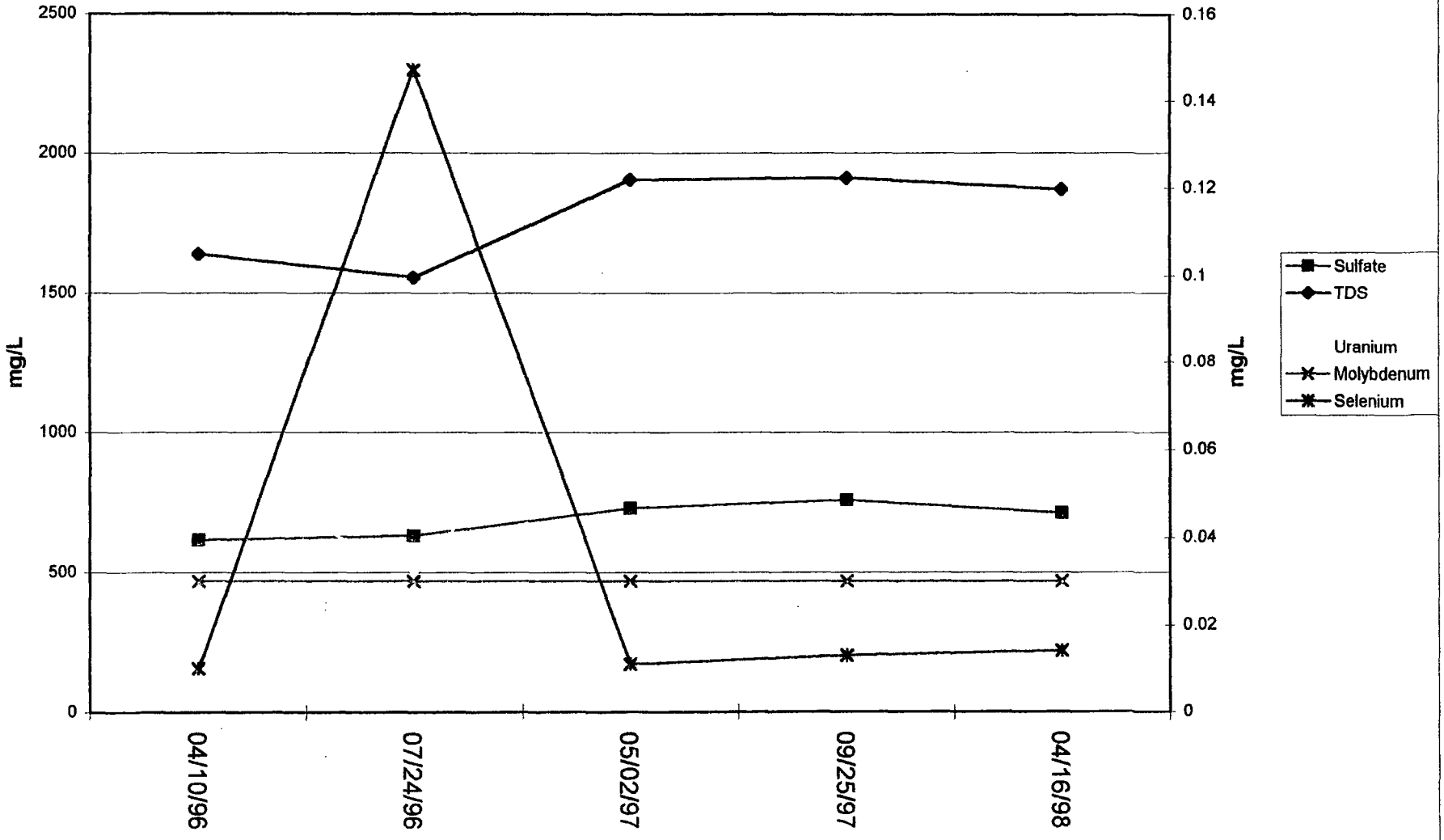


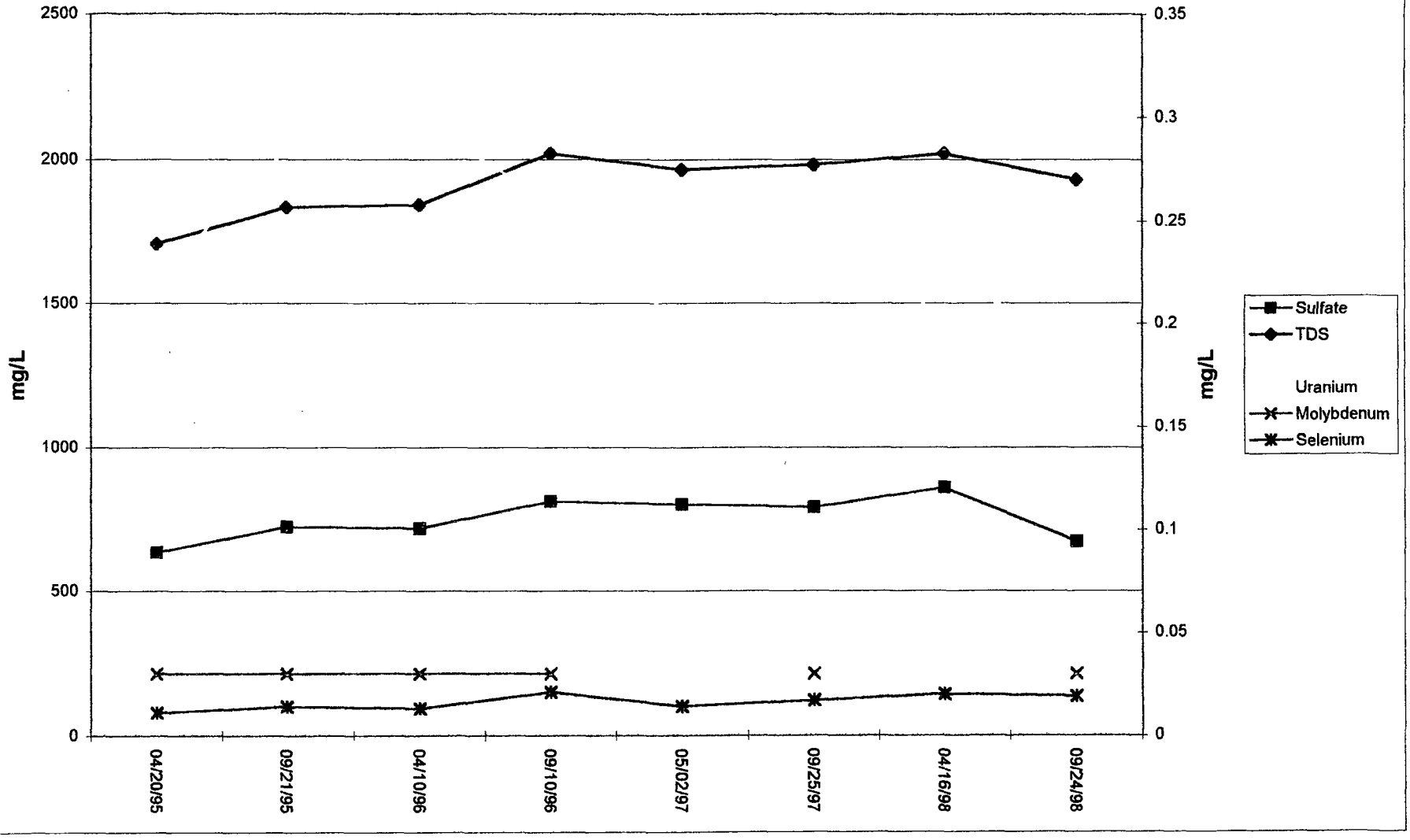
Figure 3
Well 0446



NRC Site Standards: Se: 0.10 , U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

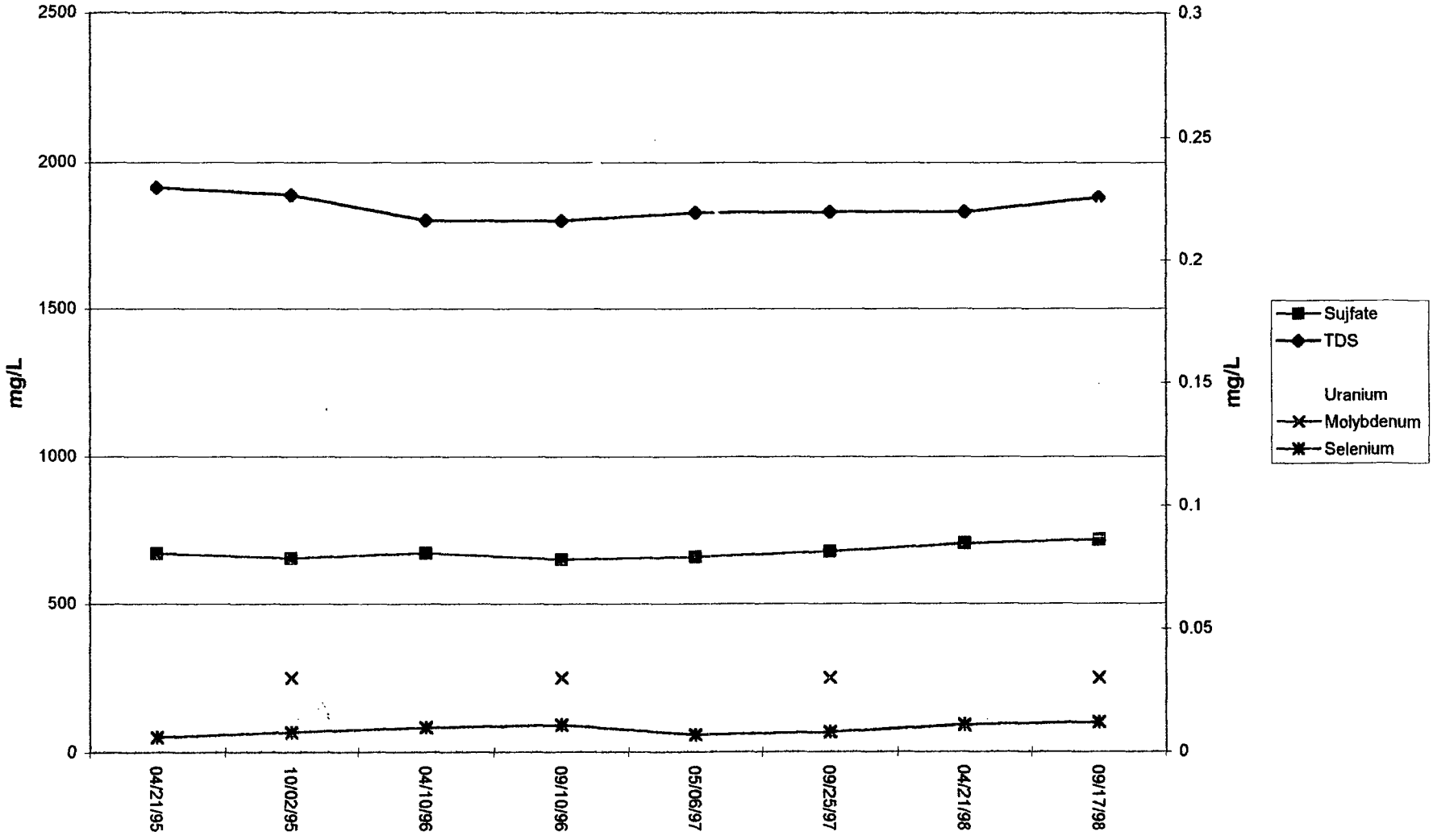
Figure 4
Well Sub1



NRC Site Standards: Se: 0.10 , U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

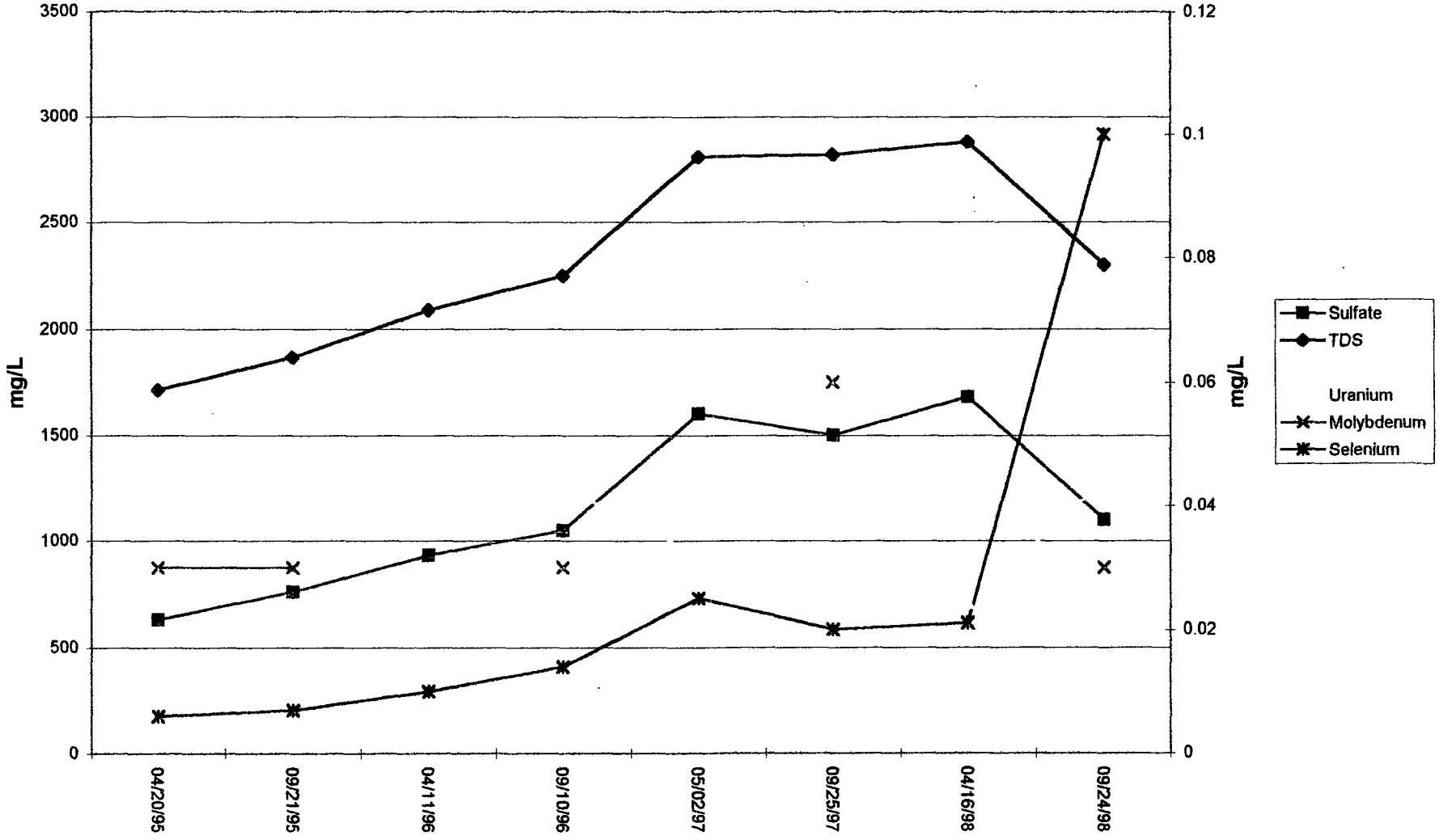
Figure 5
Well Sub2



NRC Site Standards: Se: 0.10 , U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

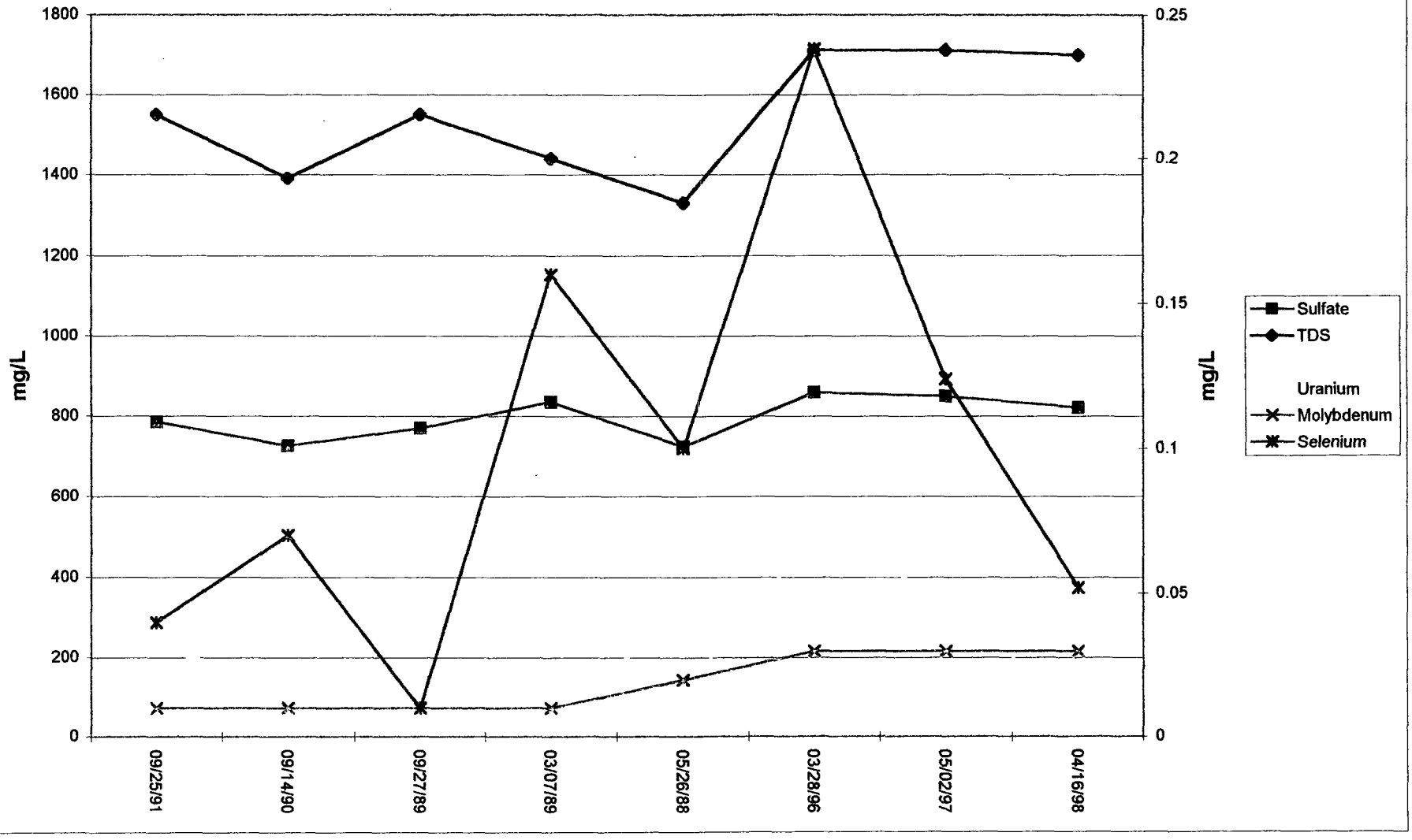
Figure 6
Well Sub3



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

Figure 7
Well 0434



NRC Site Standards: Se: 0.10 , U: 0.04, Mo: 0.03
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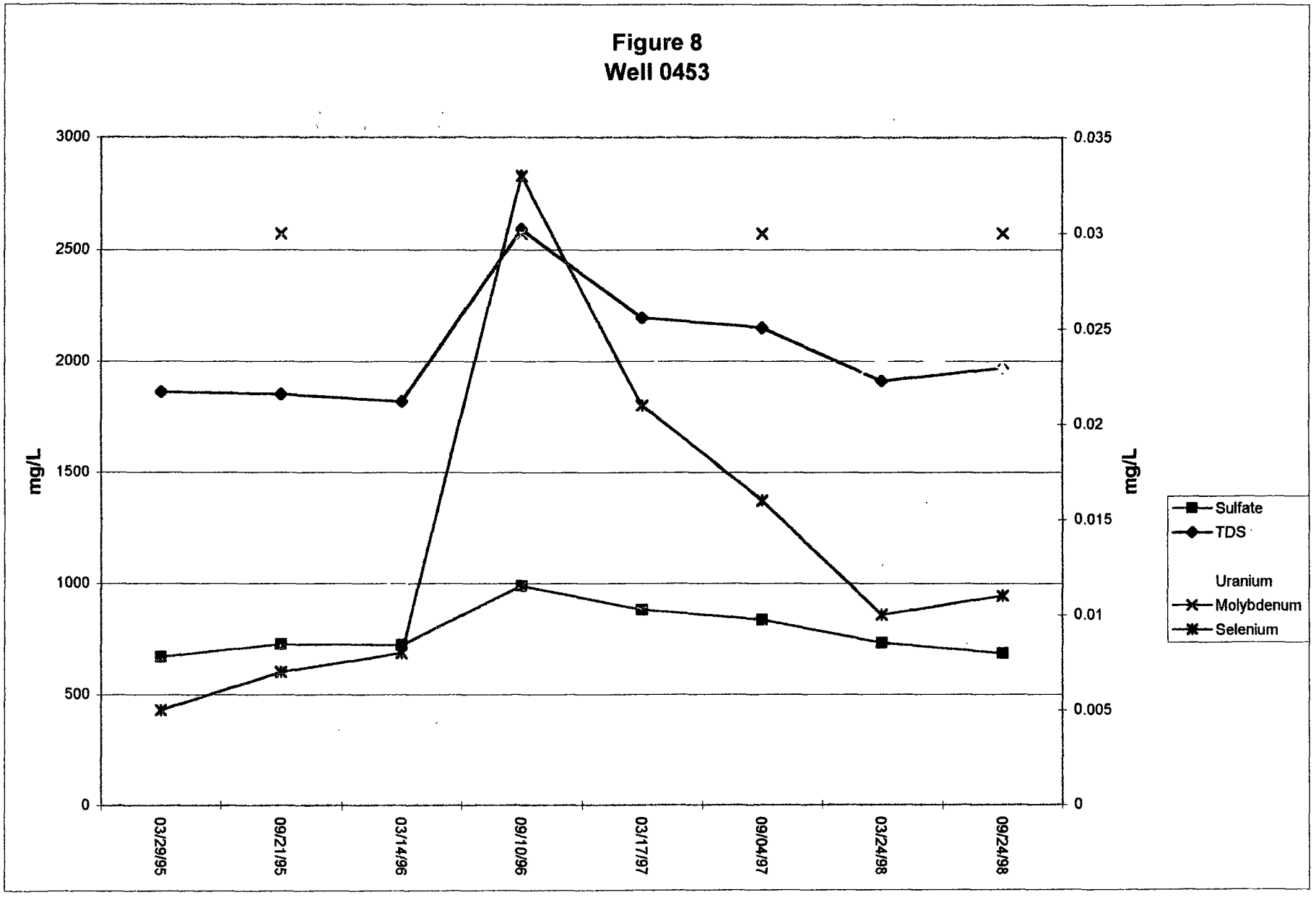
SO_4 TDS - left axis
U, Mo, Se - right axis

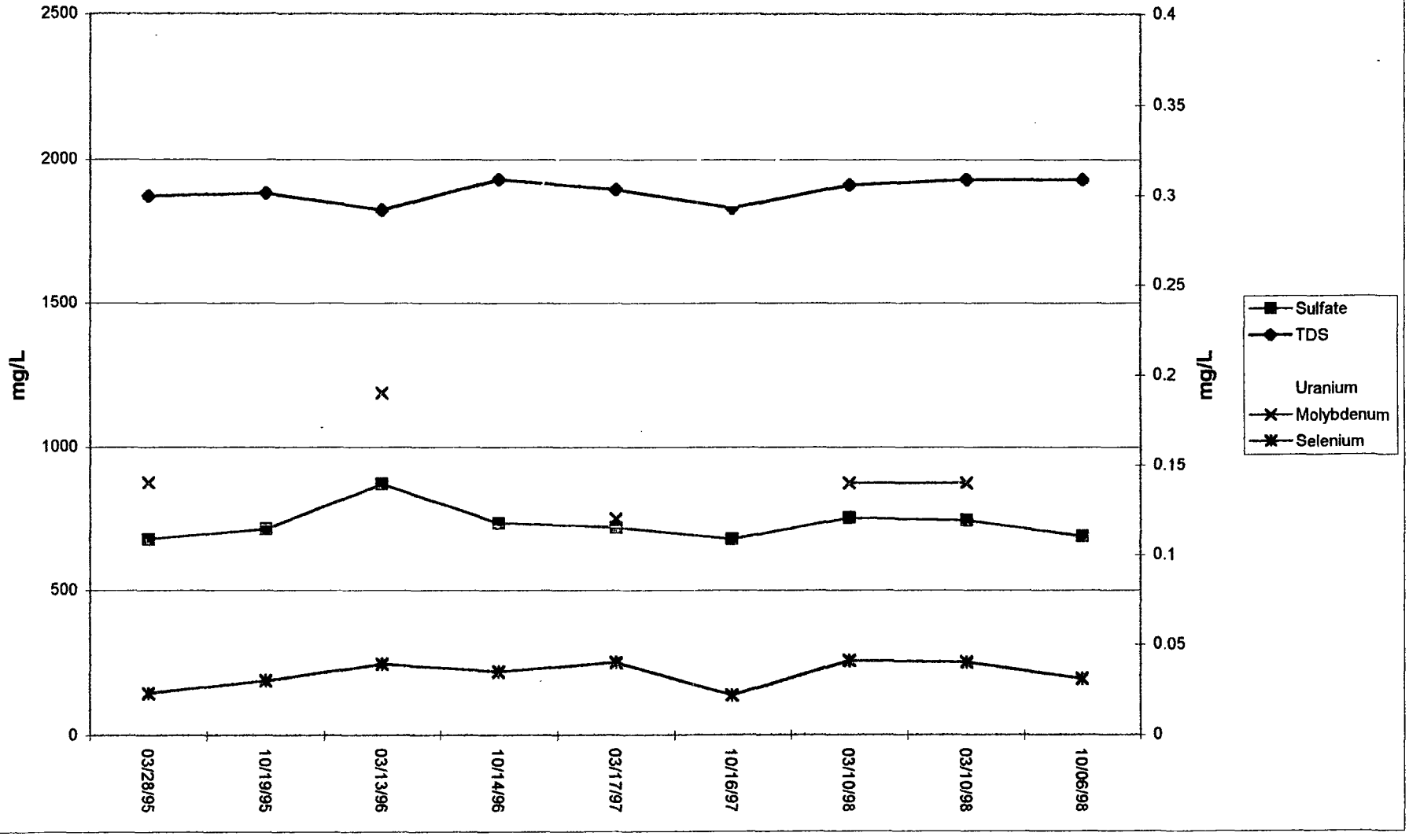
Figure 8
Well 0453



NRC Site Standards: Se: 0.10 , U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

Figure 9
Well 0490



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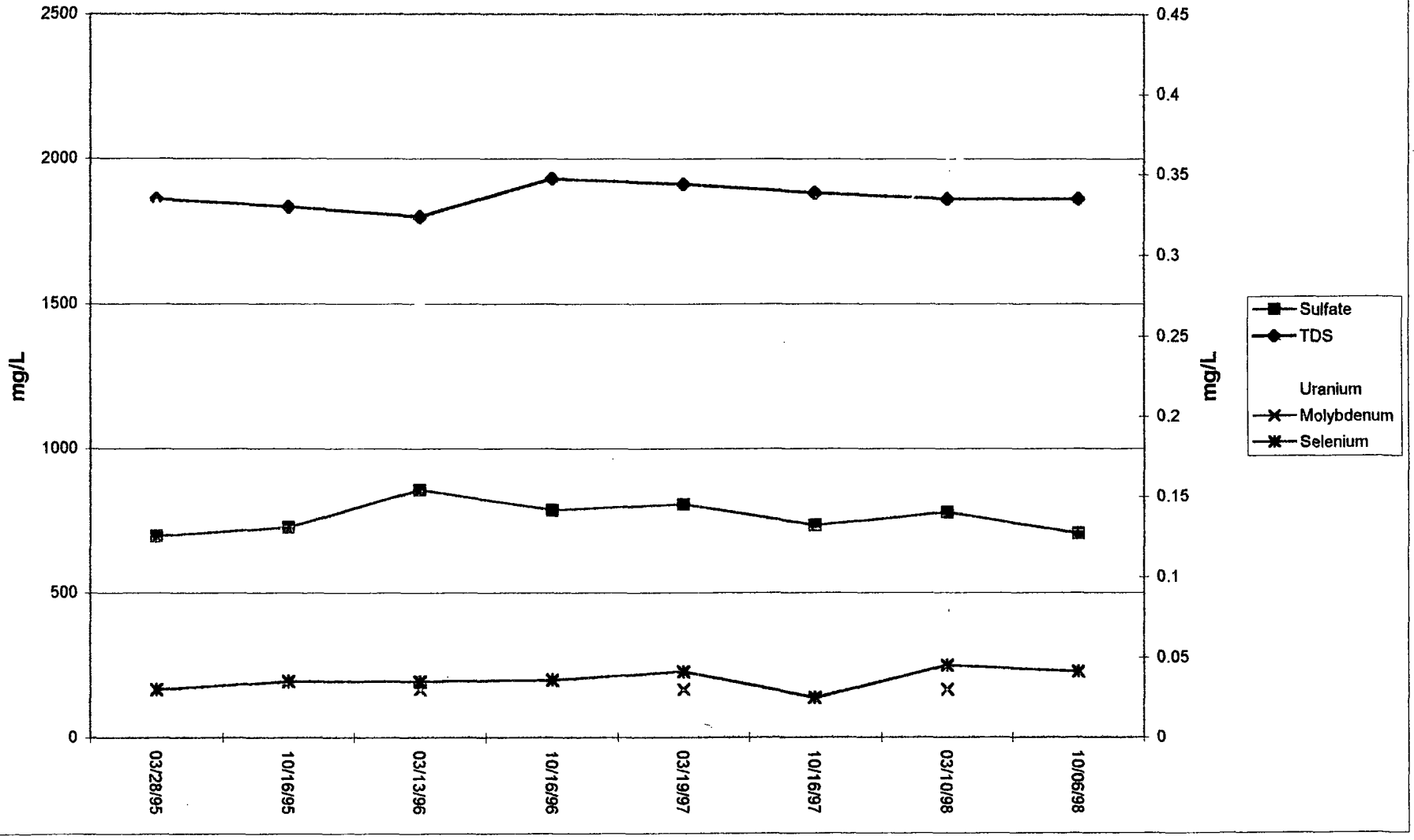
SO_4 TDS - left axis
U, Mo, Se - right axis

Figure 10
Well 0492



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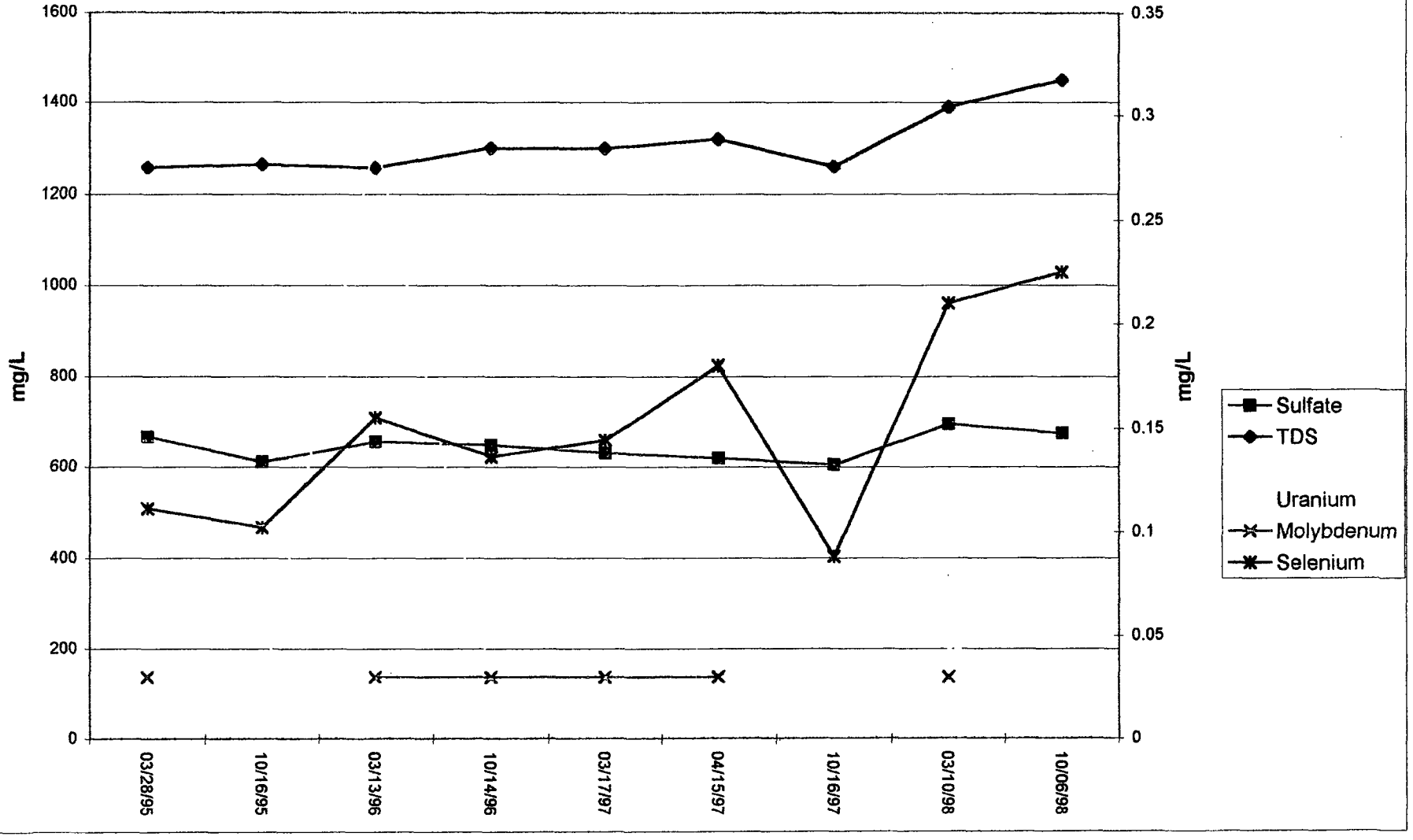
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

Figure 11
Well 0493



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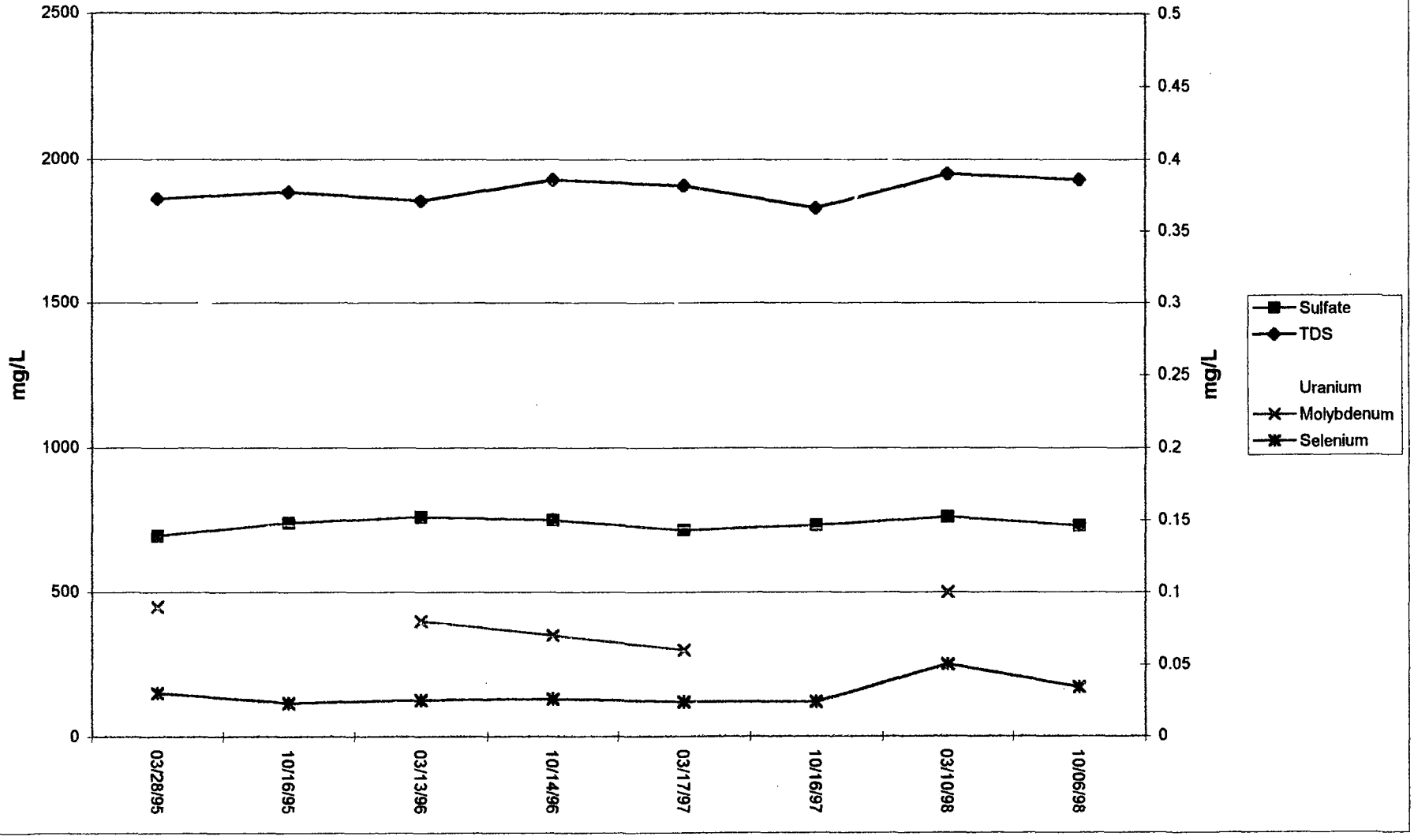
SO_4 TDS - left axis
U, Mo, Se - right axis

Figure 12
Well 0494



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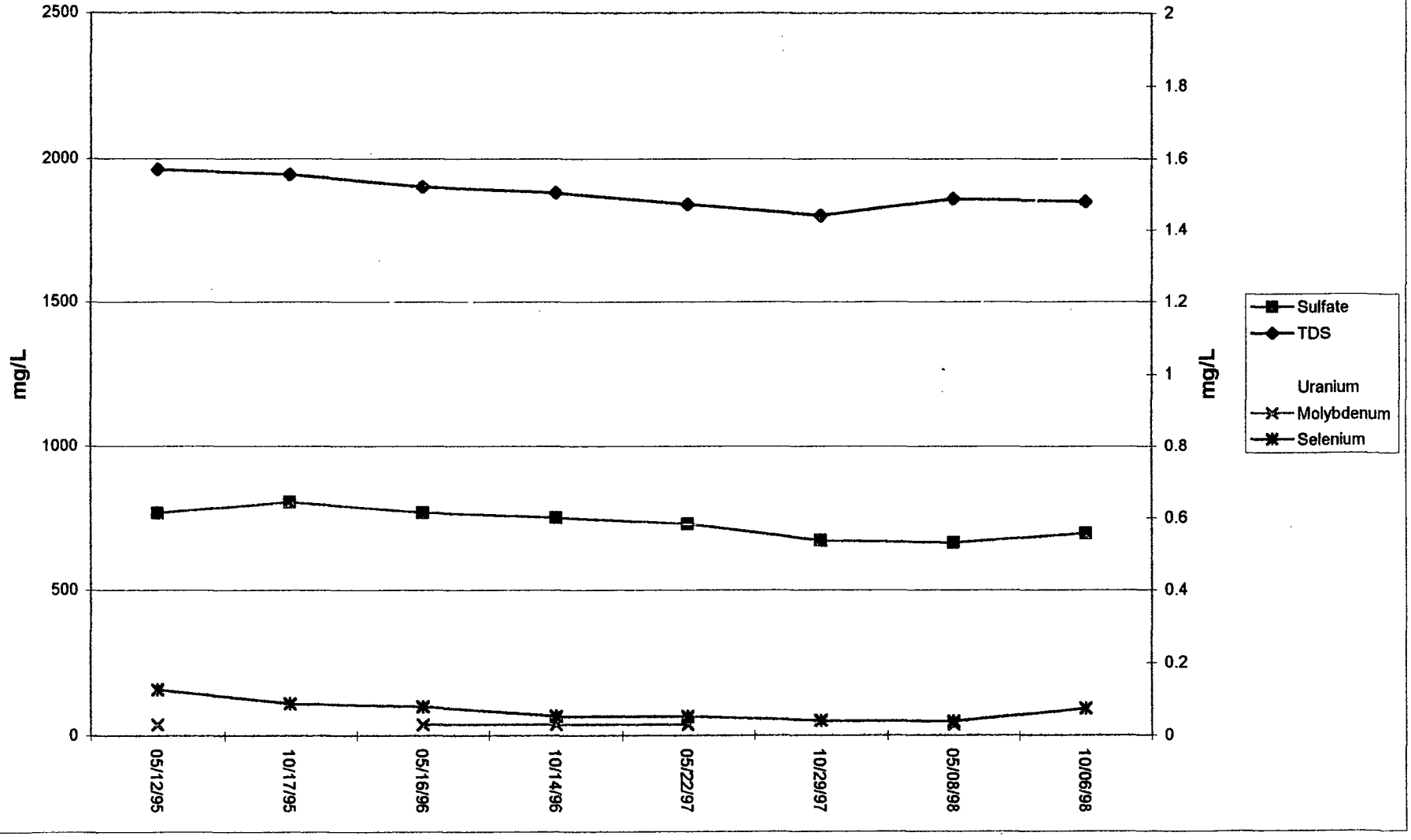
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

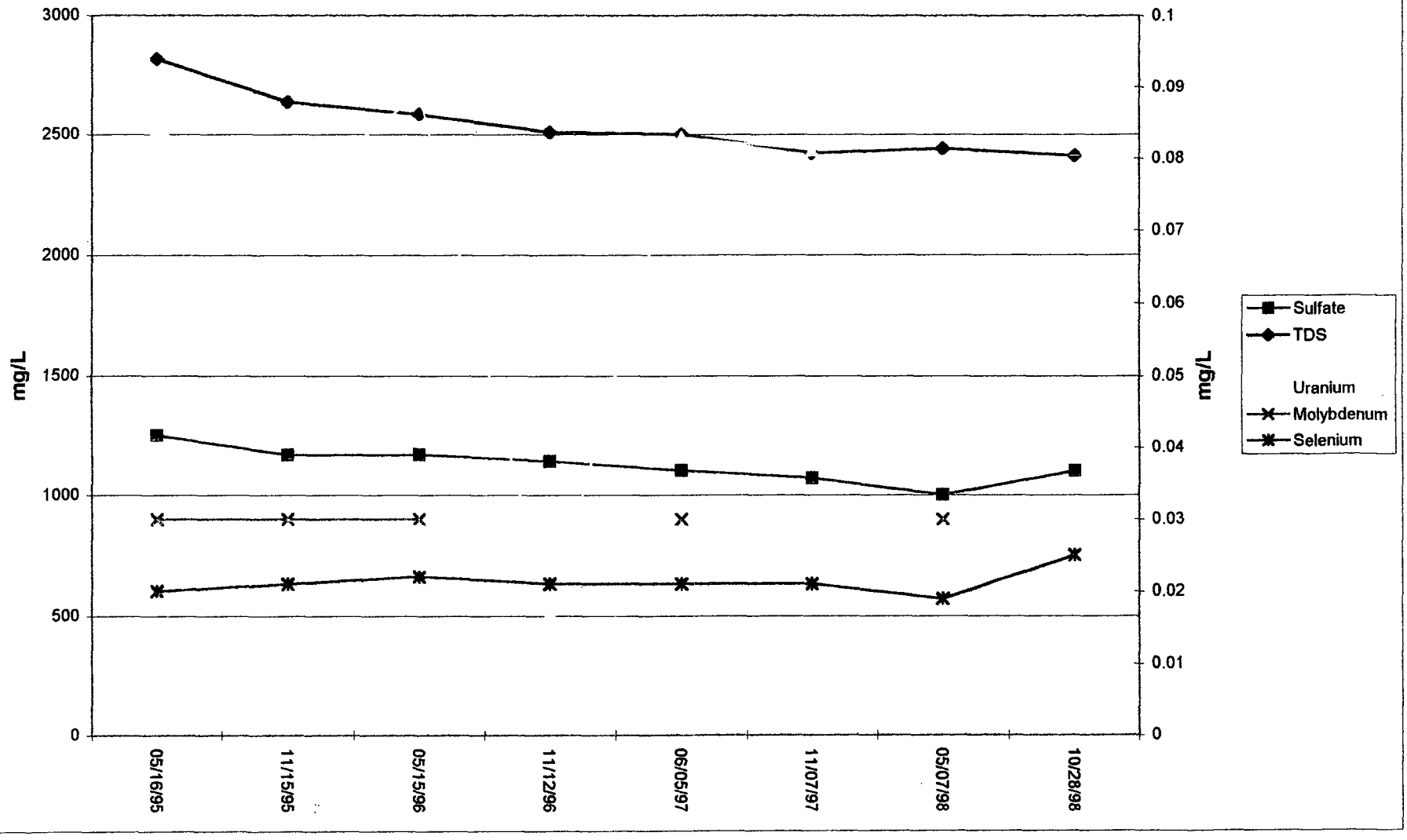
Figure 13
Well 0802



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976. TDS: 1770, No: 1.0

SO_4, TDS - left axis
U, Mo. Se - right axis

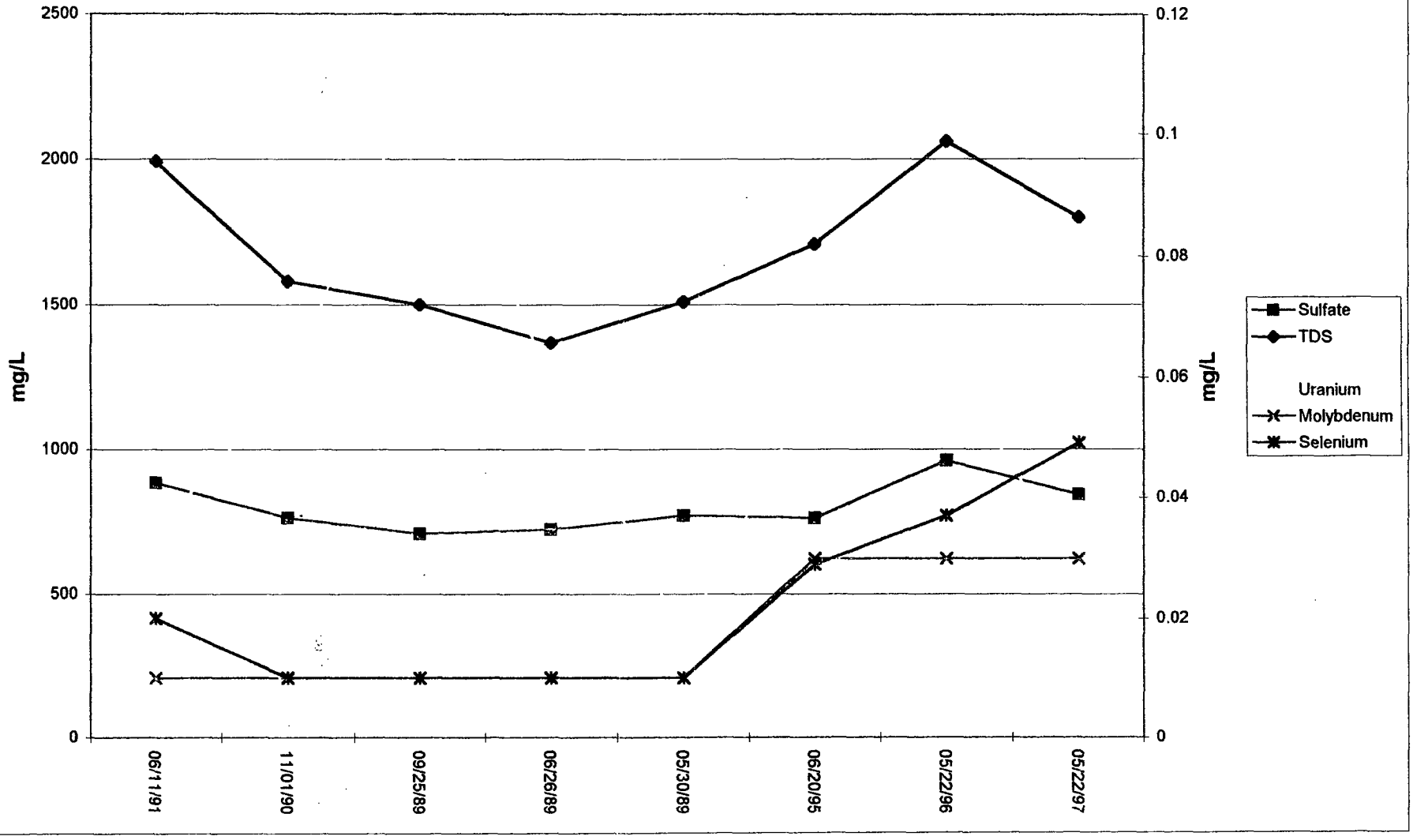
Figure 14
Well 0844



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976. TDS: 1770, No: 1.0

SO_4, TDS - left axis
U, Mo. Se - right axis

Figure 15
Well 804



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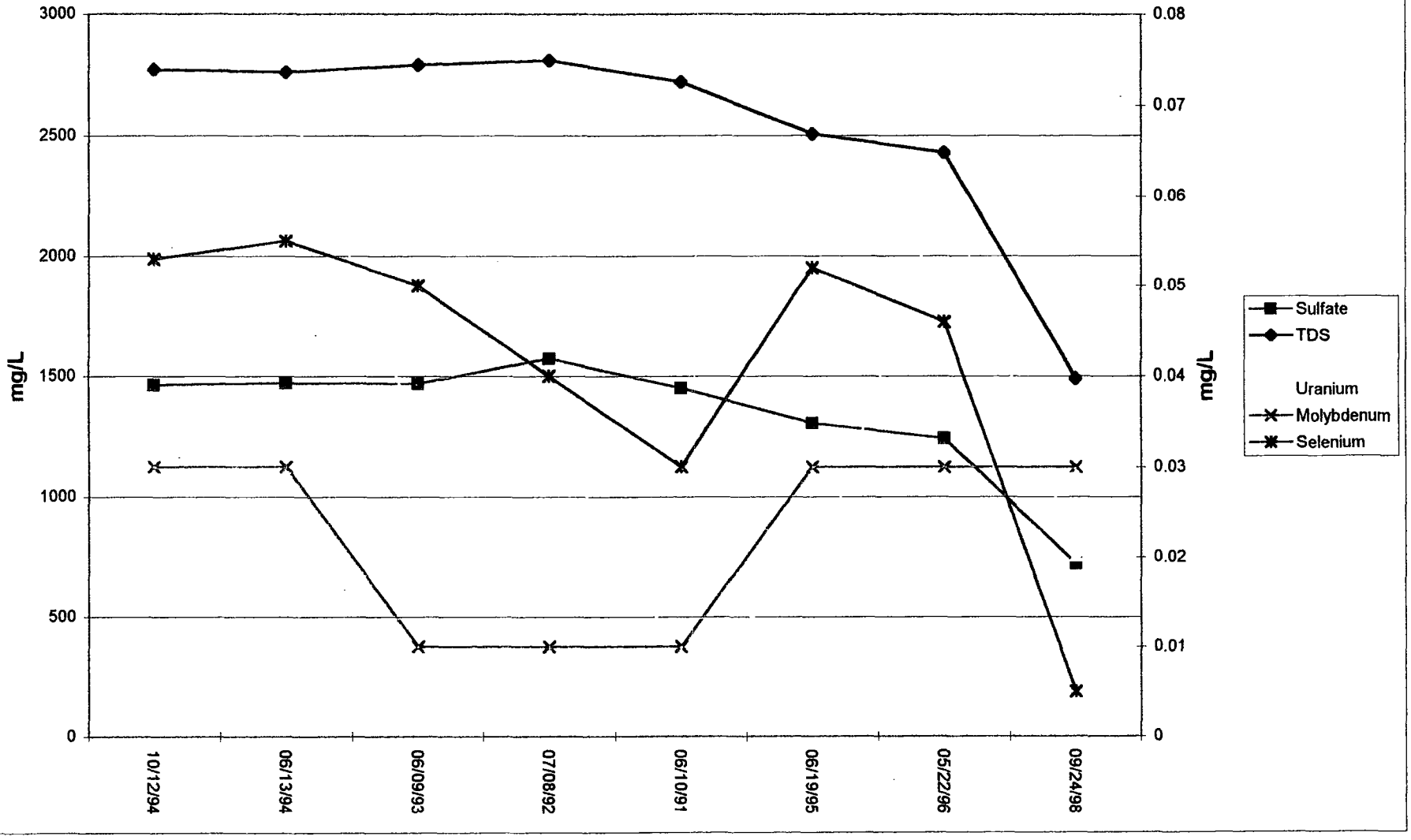
NM Standards: Se: 0.12, U: 5.0, SO_4: 976. TDS: 1770, No: 1.0

SO_4, TDS - left axis
U, Mo. Se - right axis

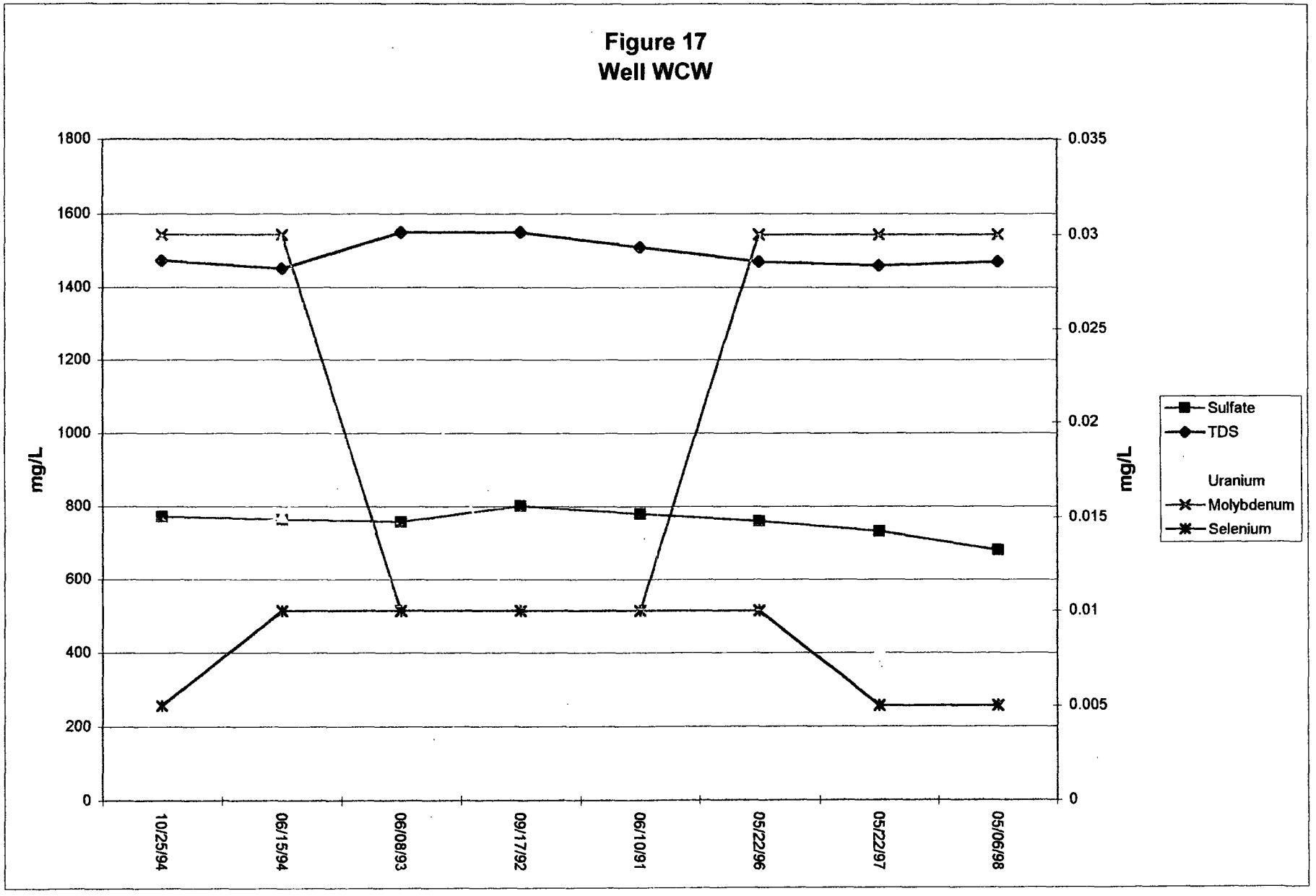
Figure 16
Well 0820



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976. TDS: 1770, No: 1.0

SO_4, TDS - left axis
U, Mo. Se - right axis

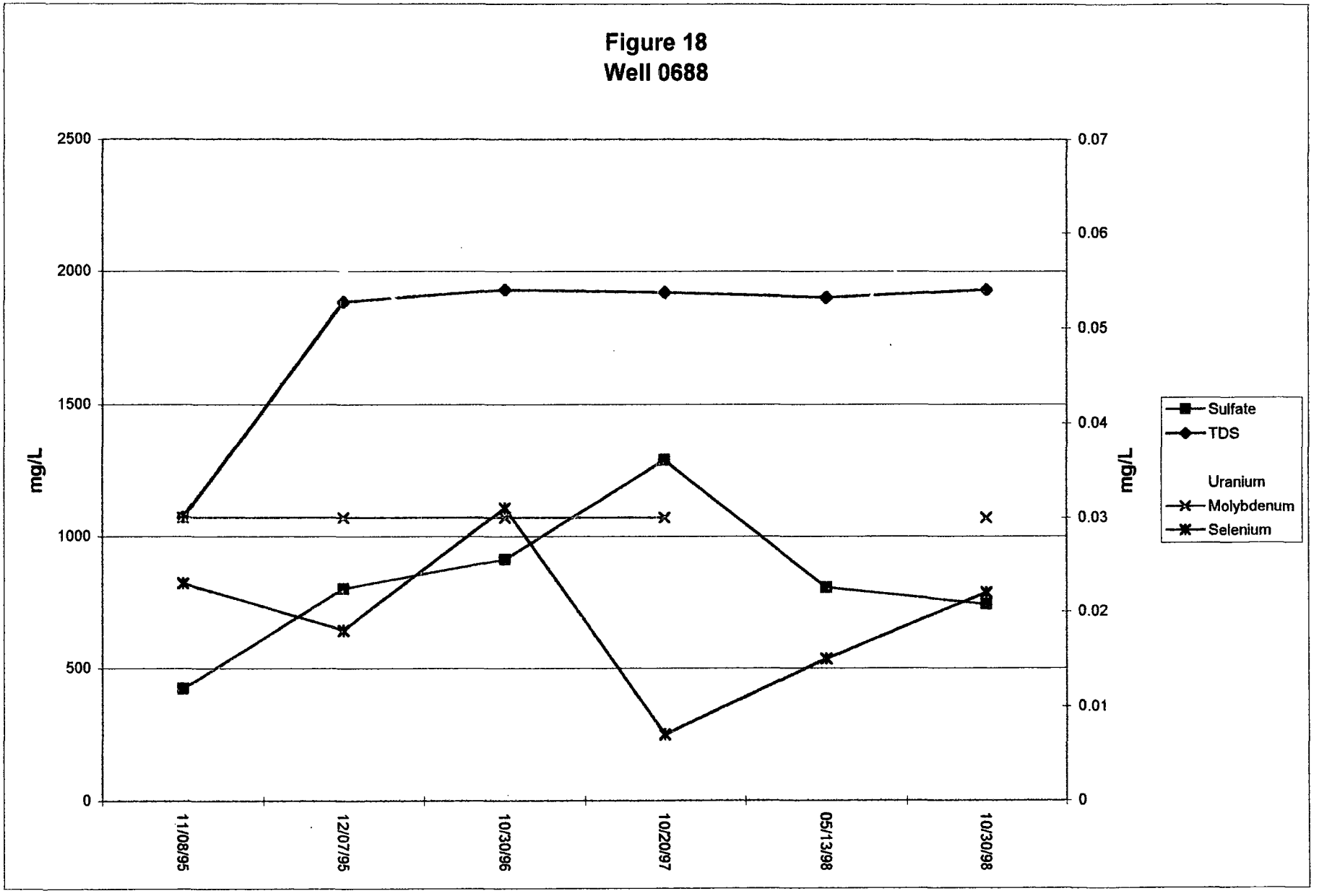
Figure 17
Well WCW



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976. TDS: 1770, No: 1.0

SO_4, TDS - left axis
U, Mo. Se - right axis

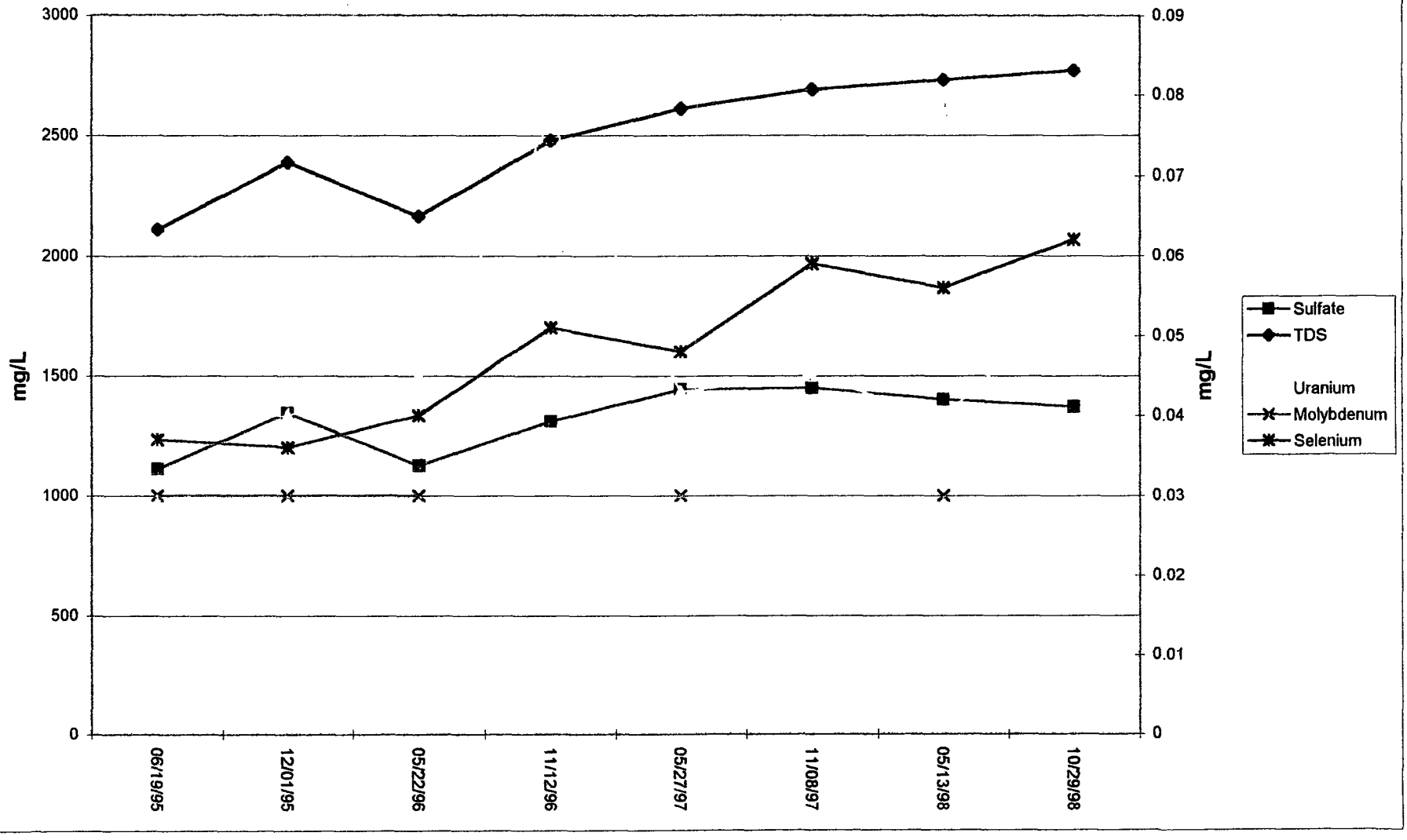
Figure 18
Well 0688



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

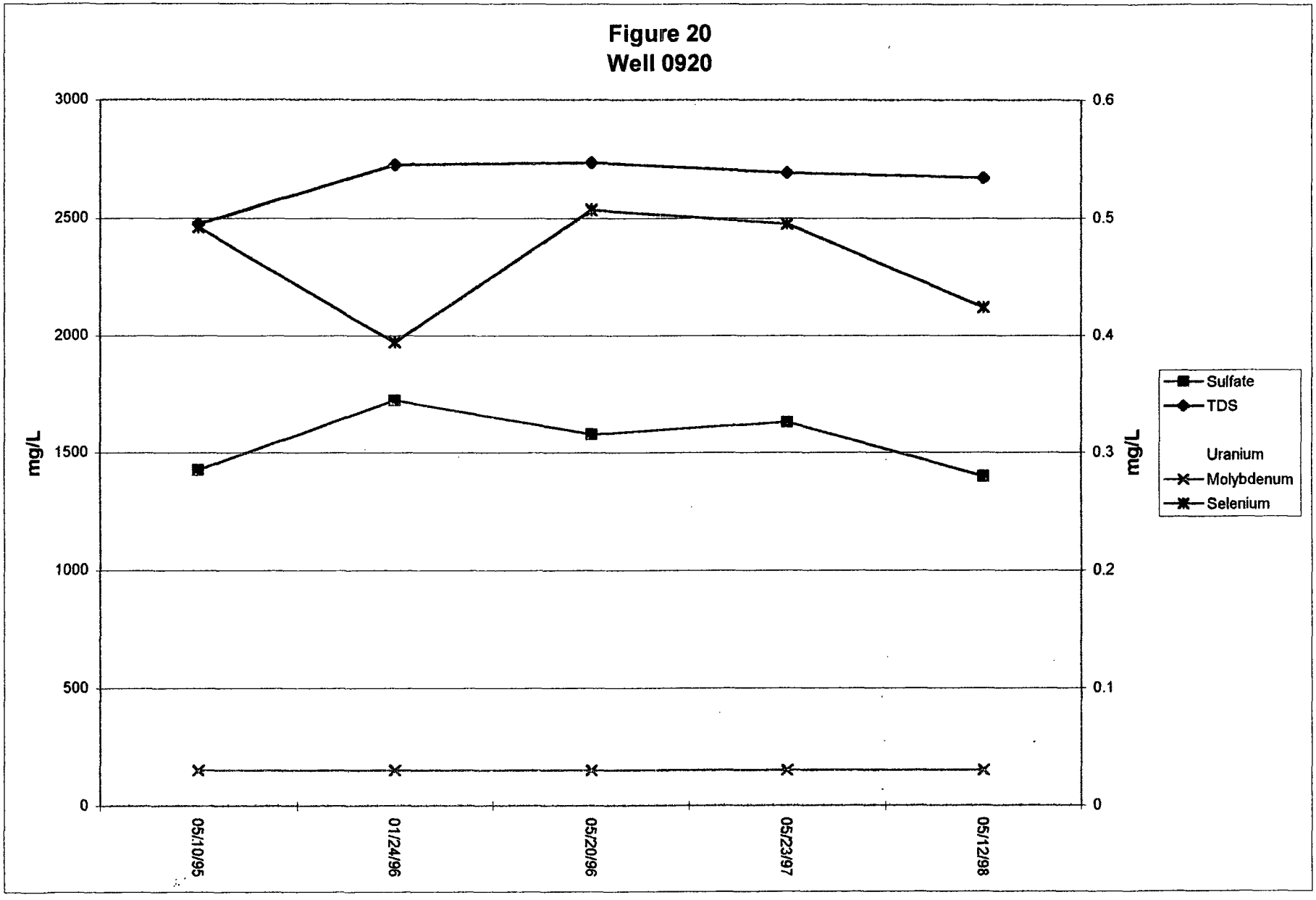
Figure 19
Well 0846



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

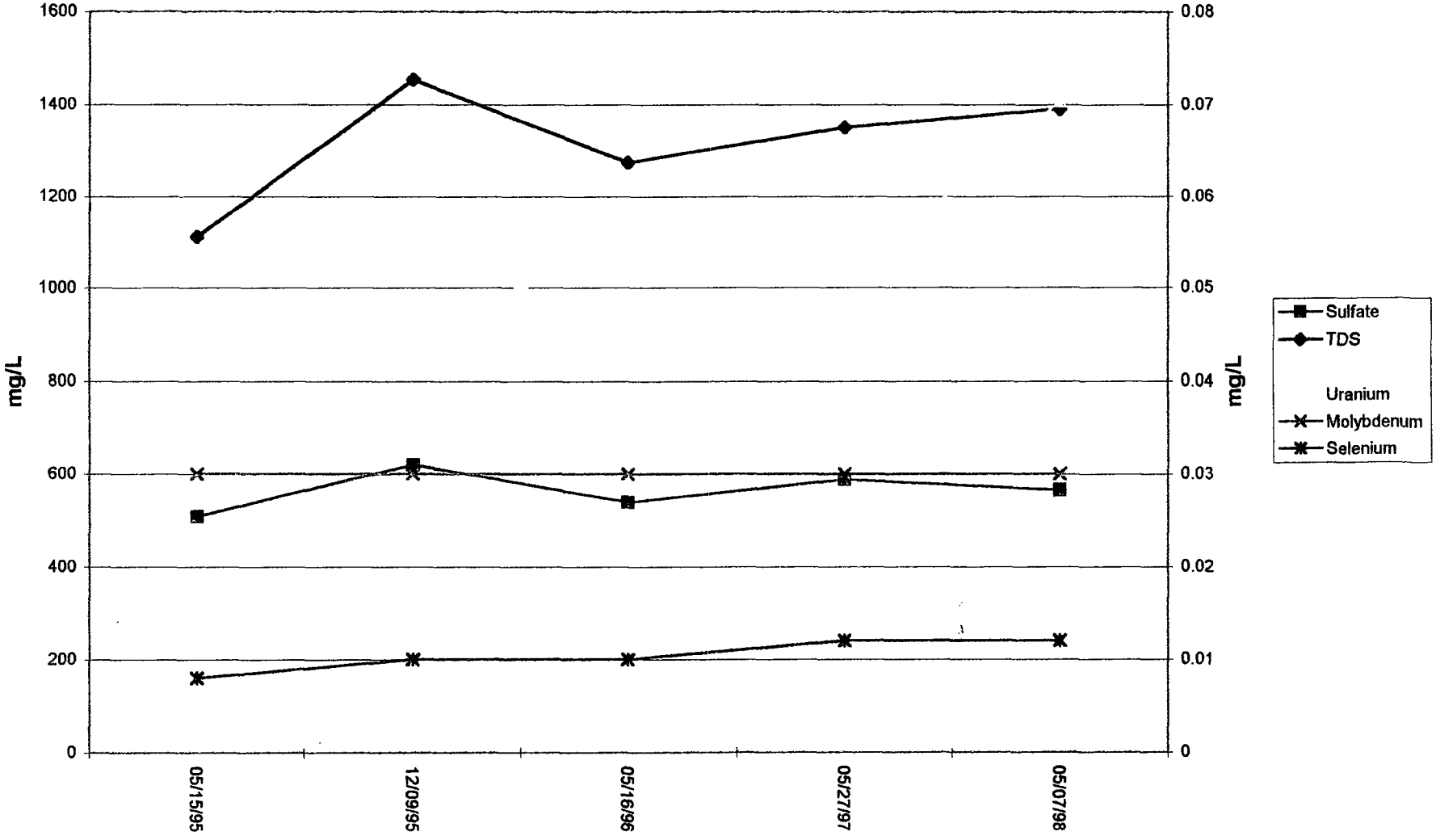
Figure 20
Well 0920



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

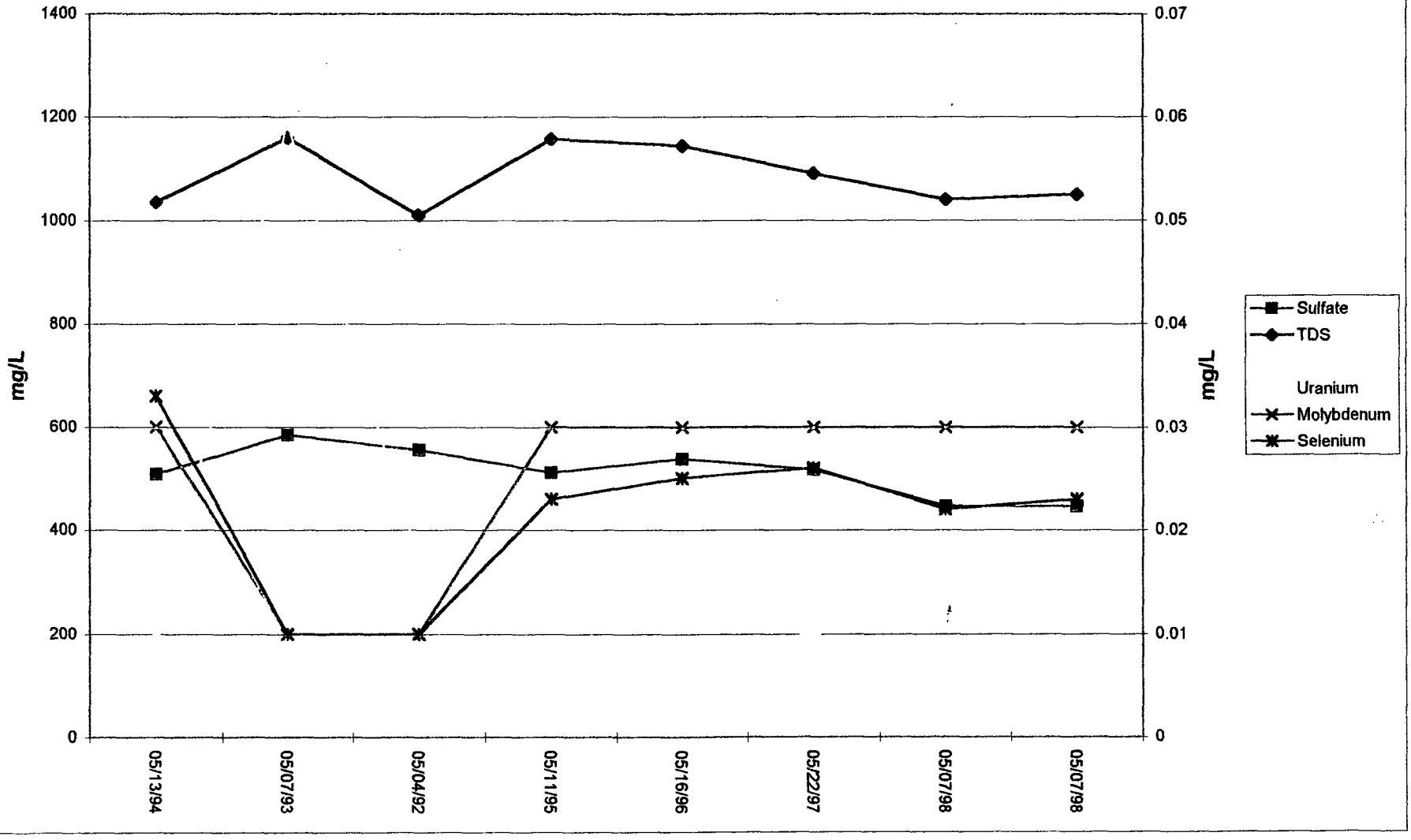
Figure 21
Well 0942



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

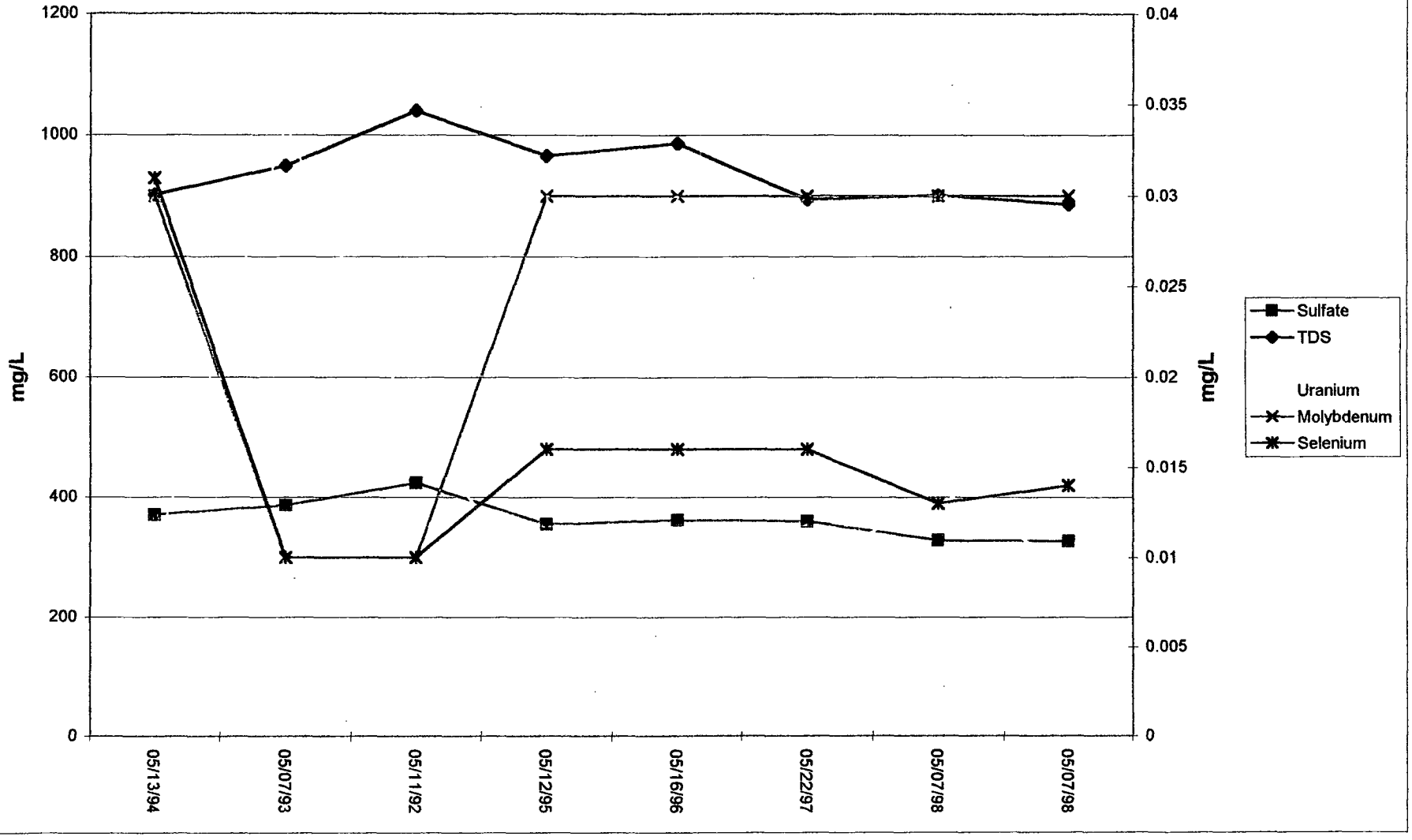
Figure 22
Well 0905



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

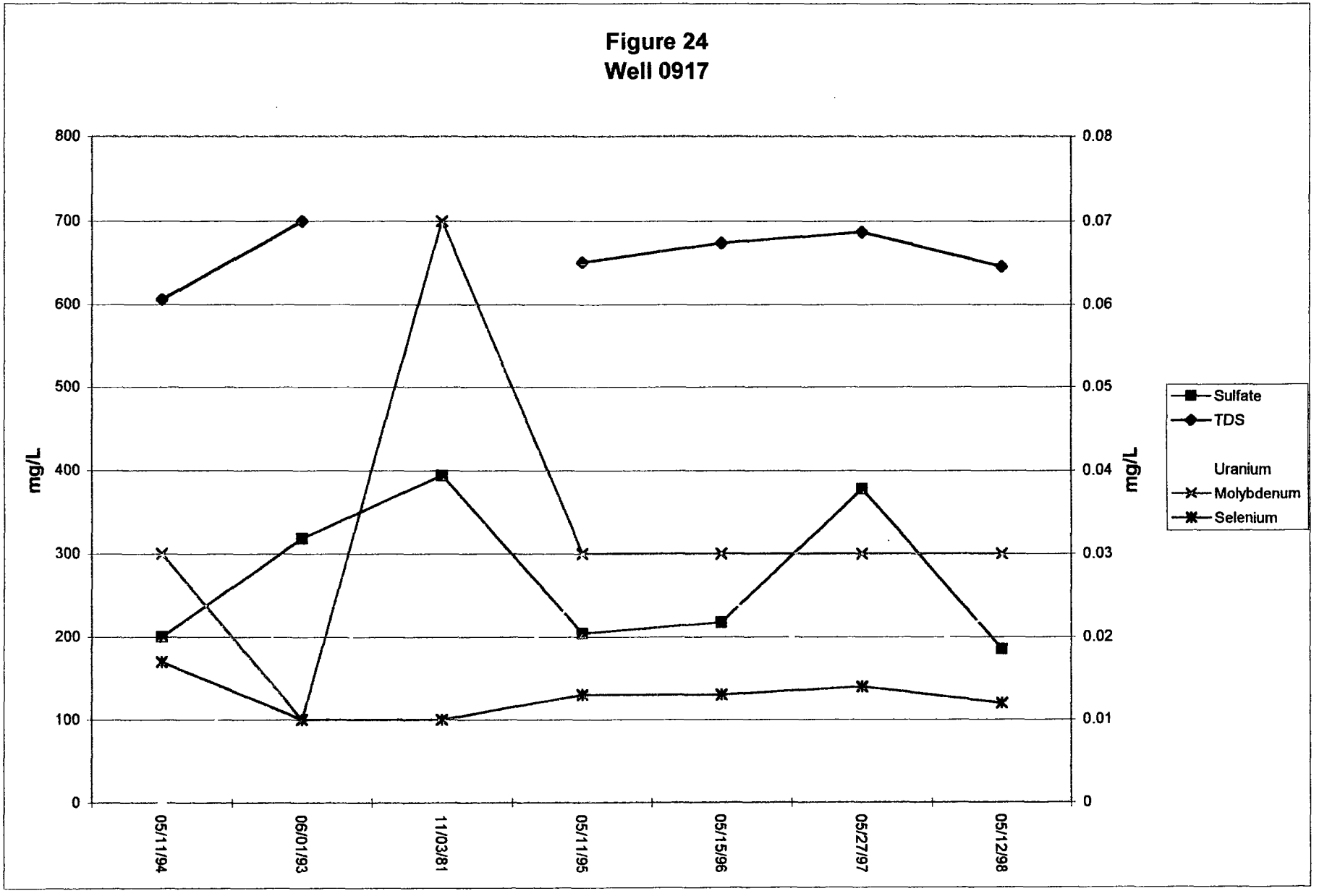
Figure 23
Well 0910



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

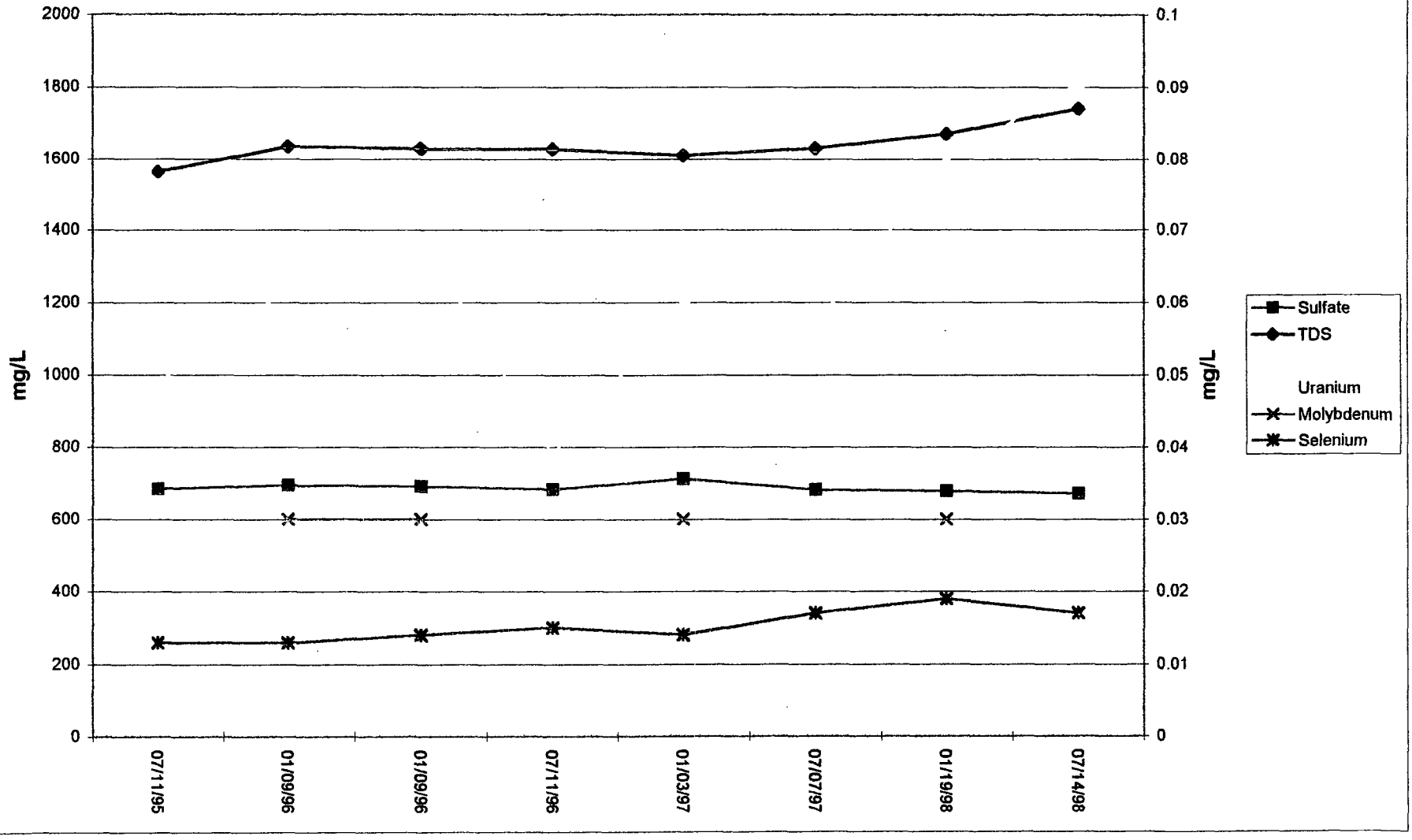
Figure 24
Well 0917



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

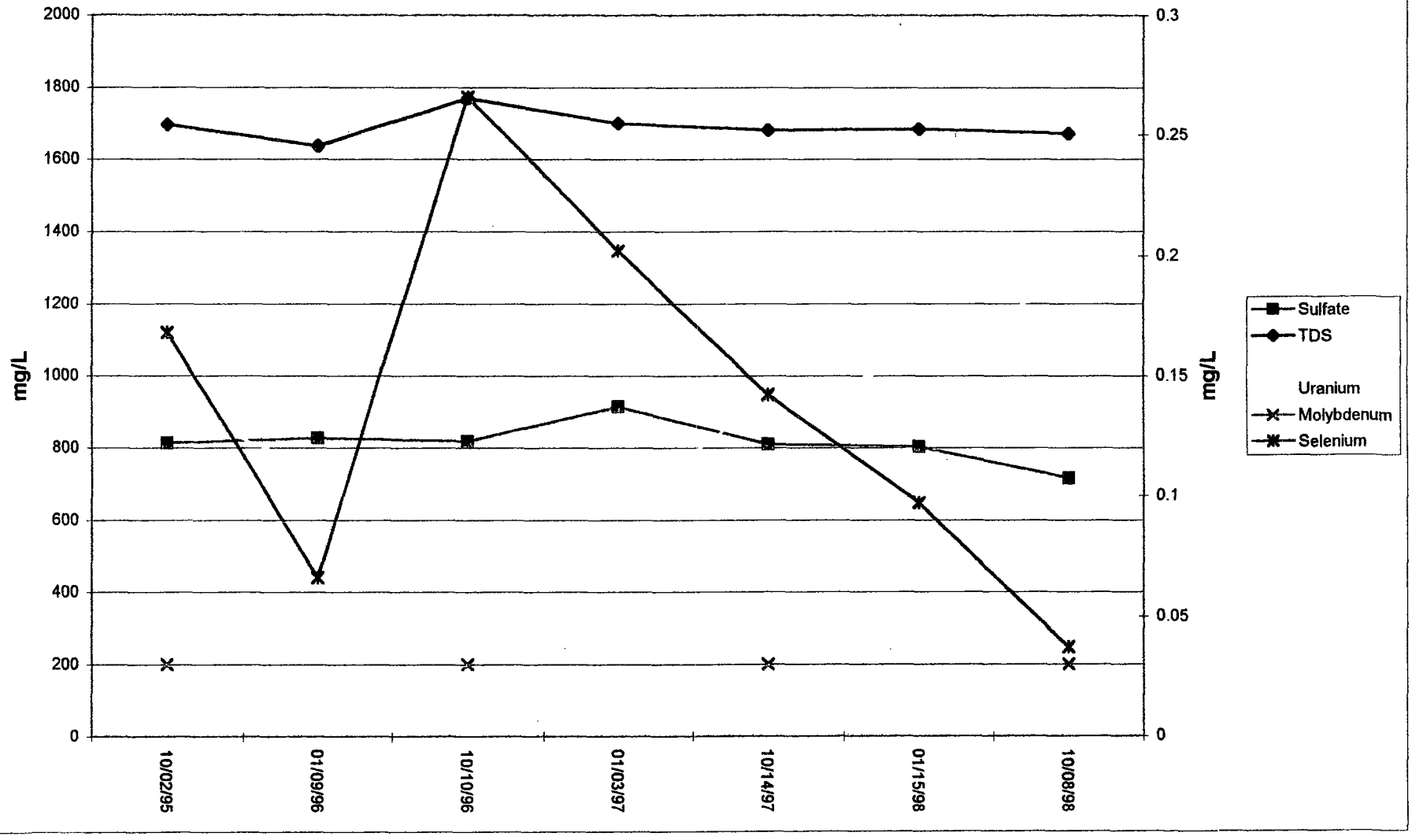
Figure 25
Well F



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

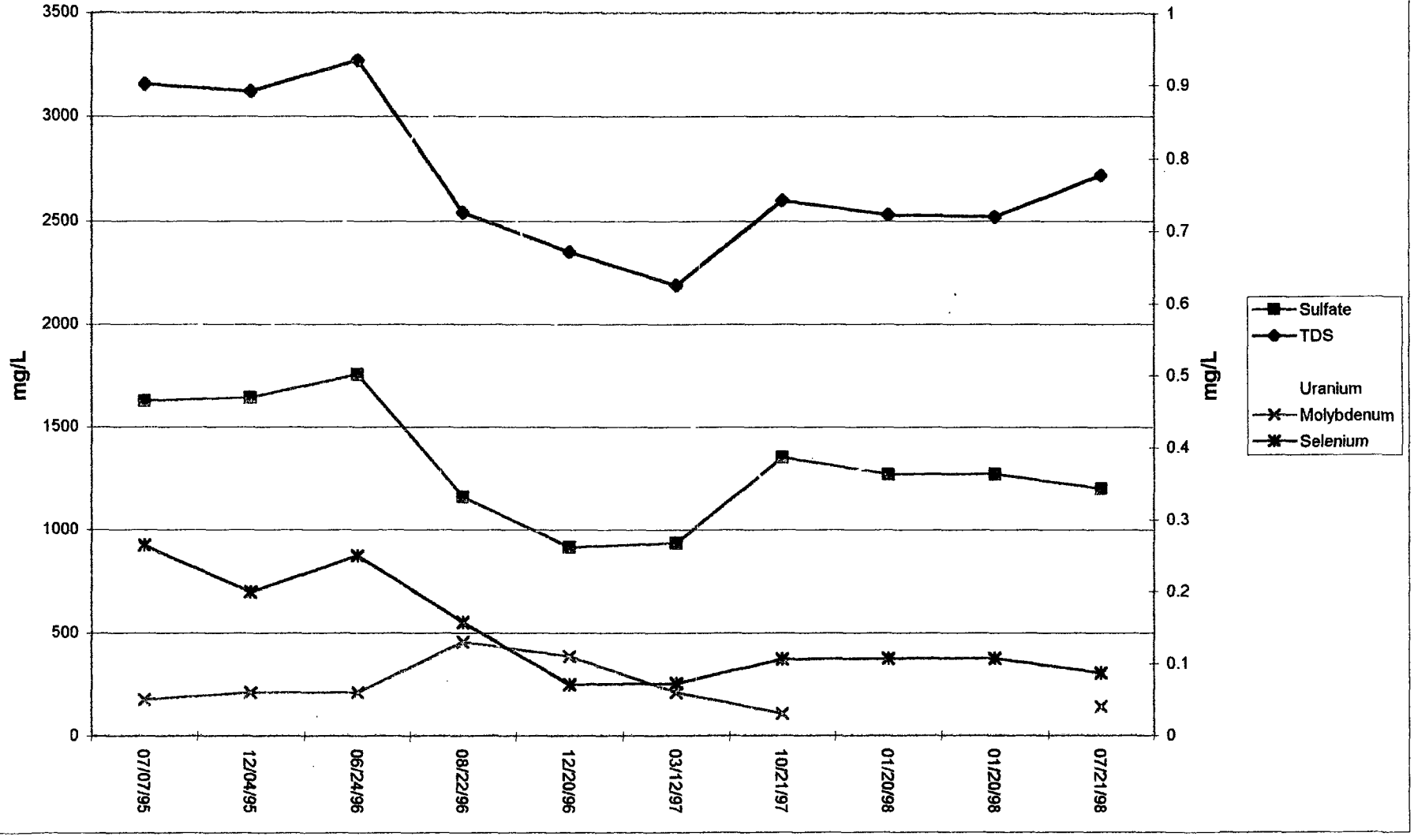
Figure 26
Well FB



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

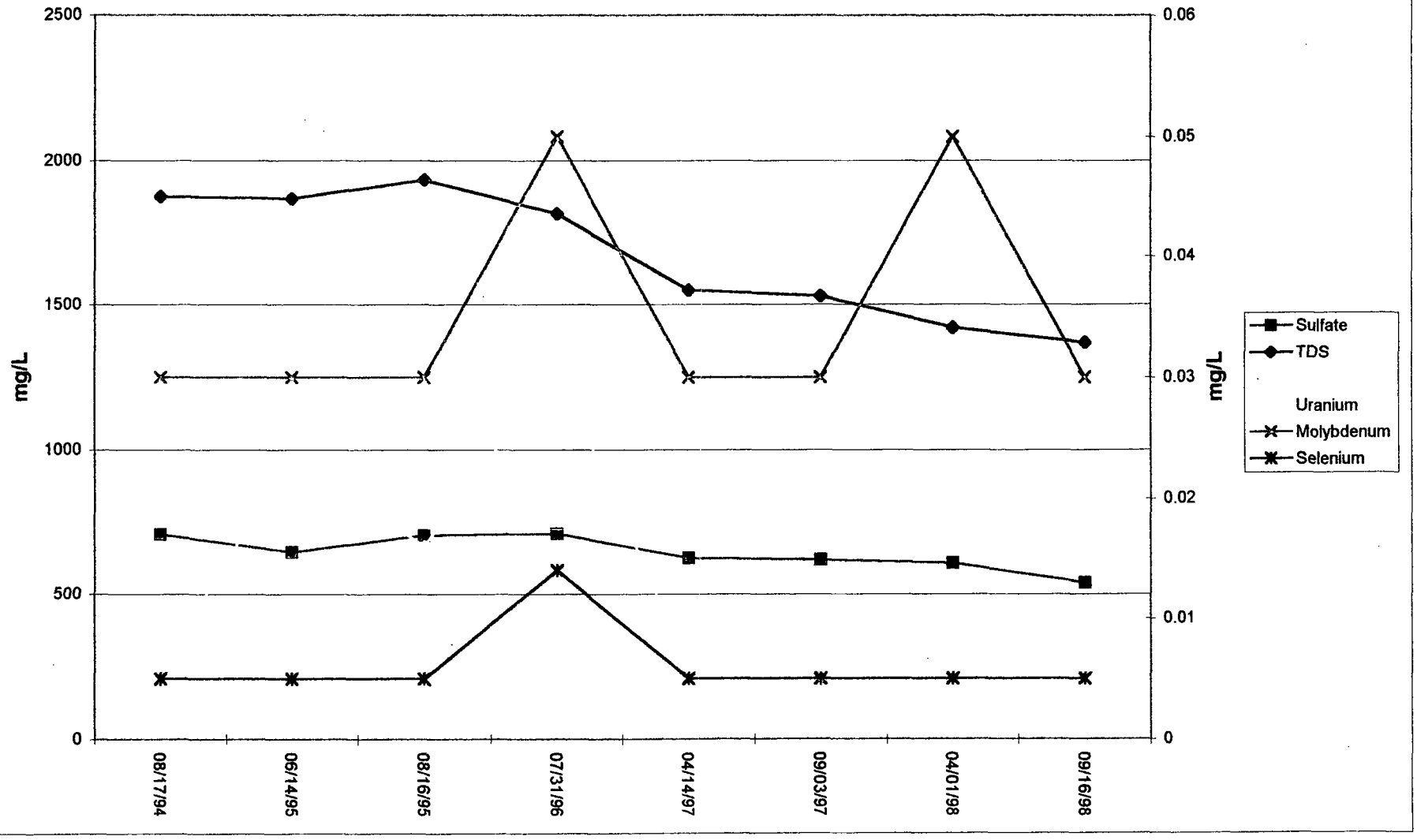
Figure 27
Well MO



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

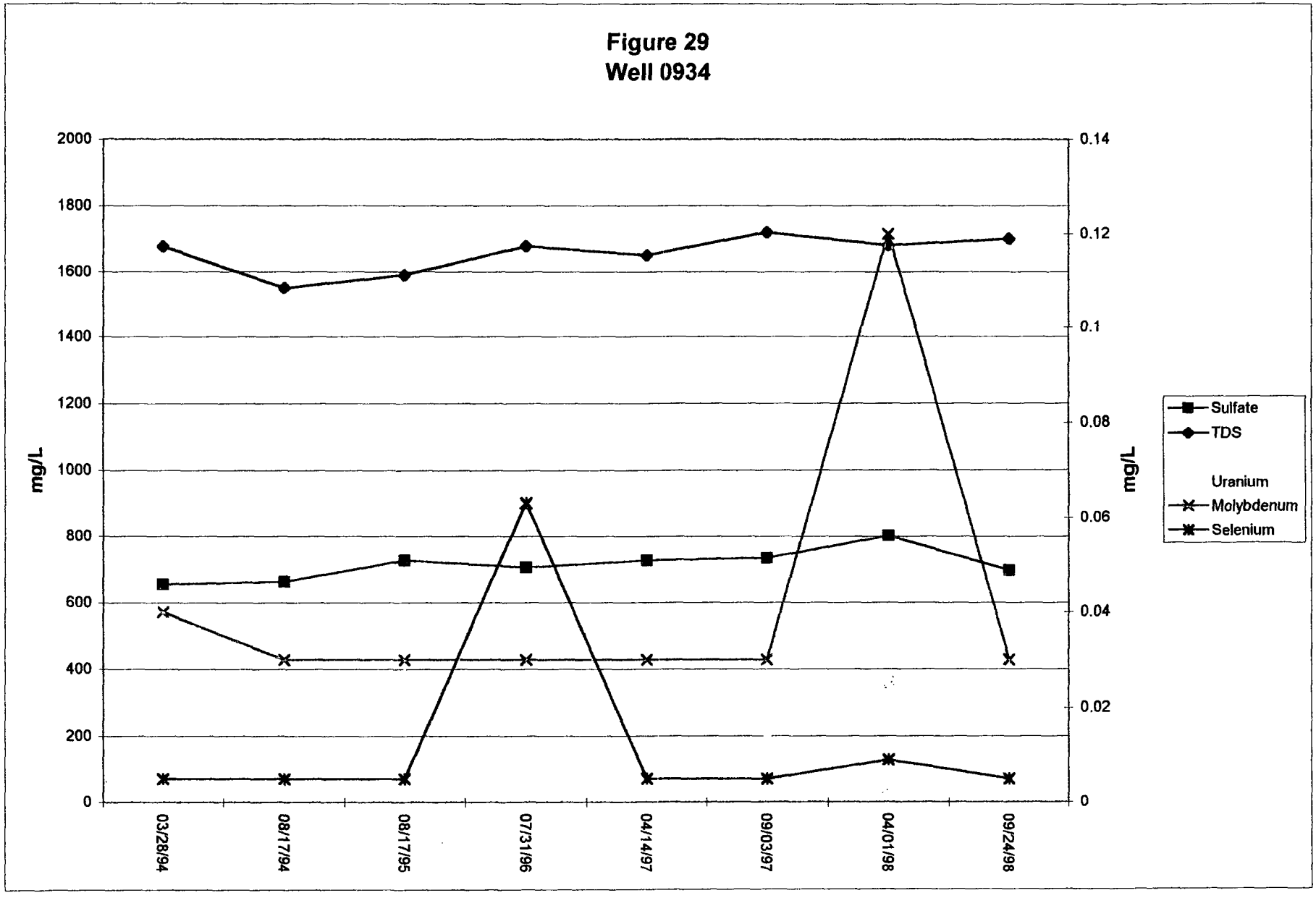
Figure 28
Well 0931



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

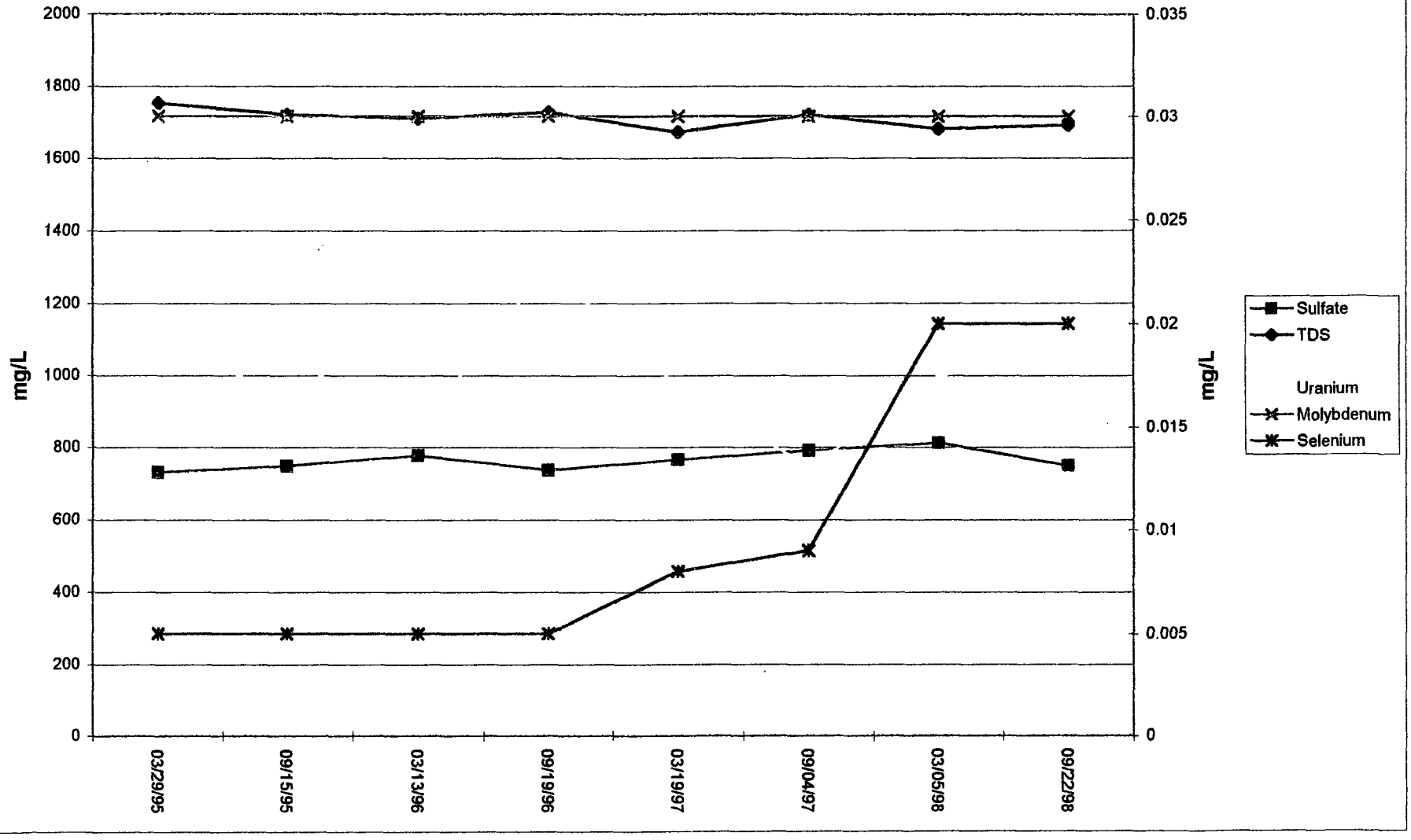
Figure 29
Well 0934



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

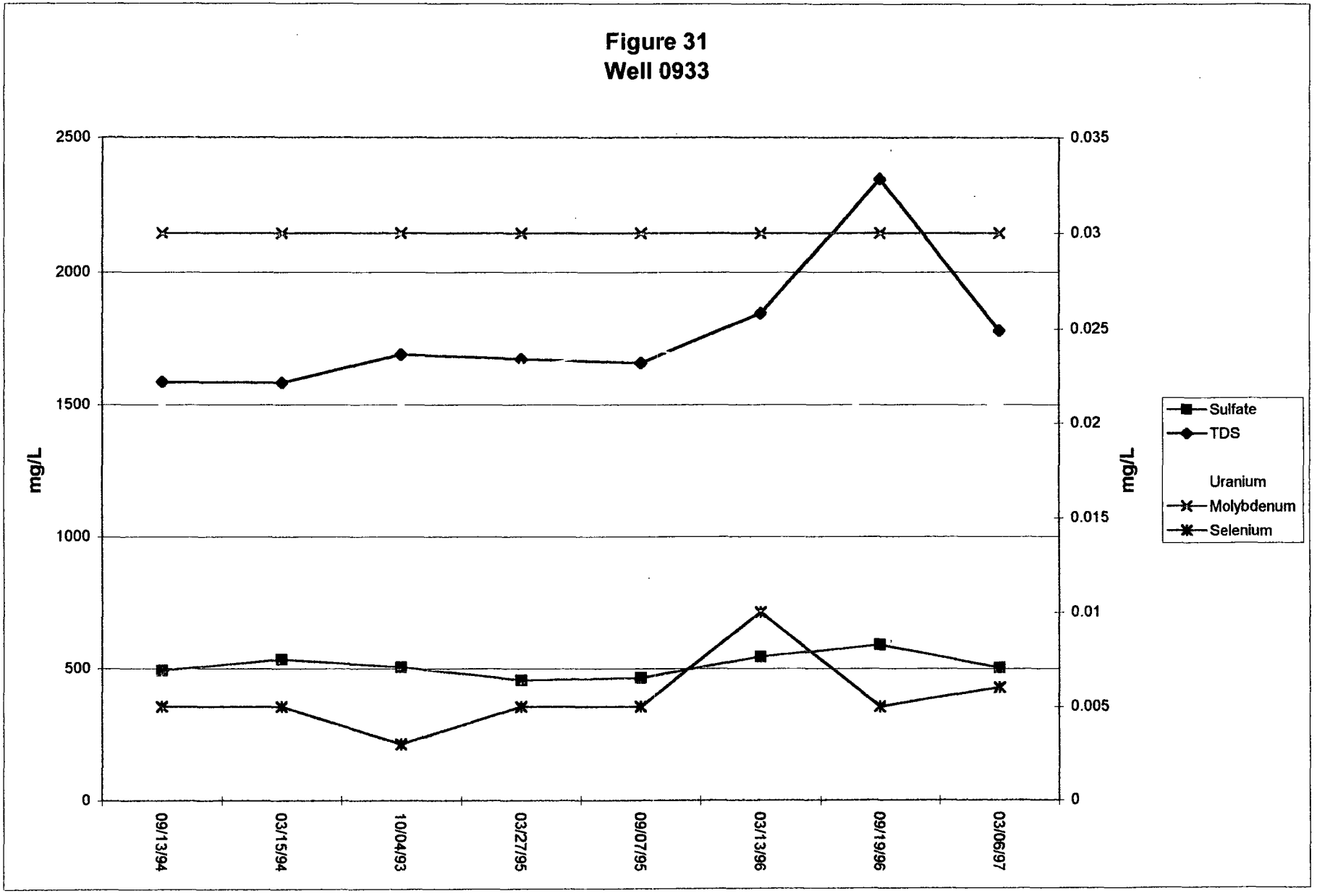
Figure 30
Well 0929



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

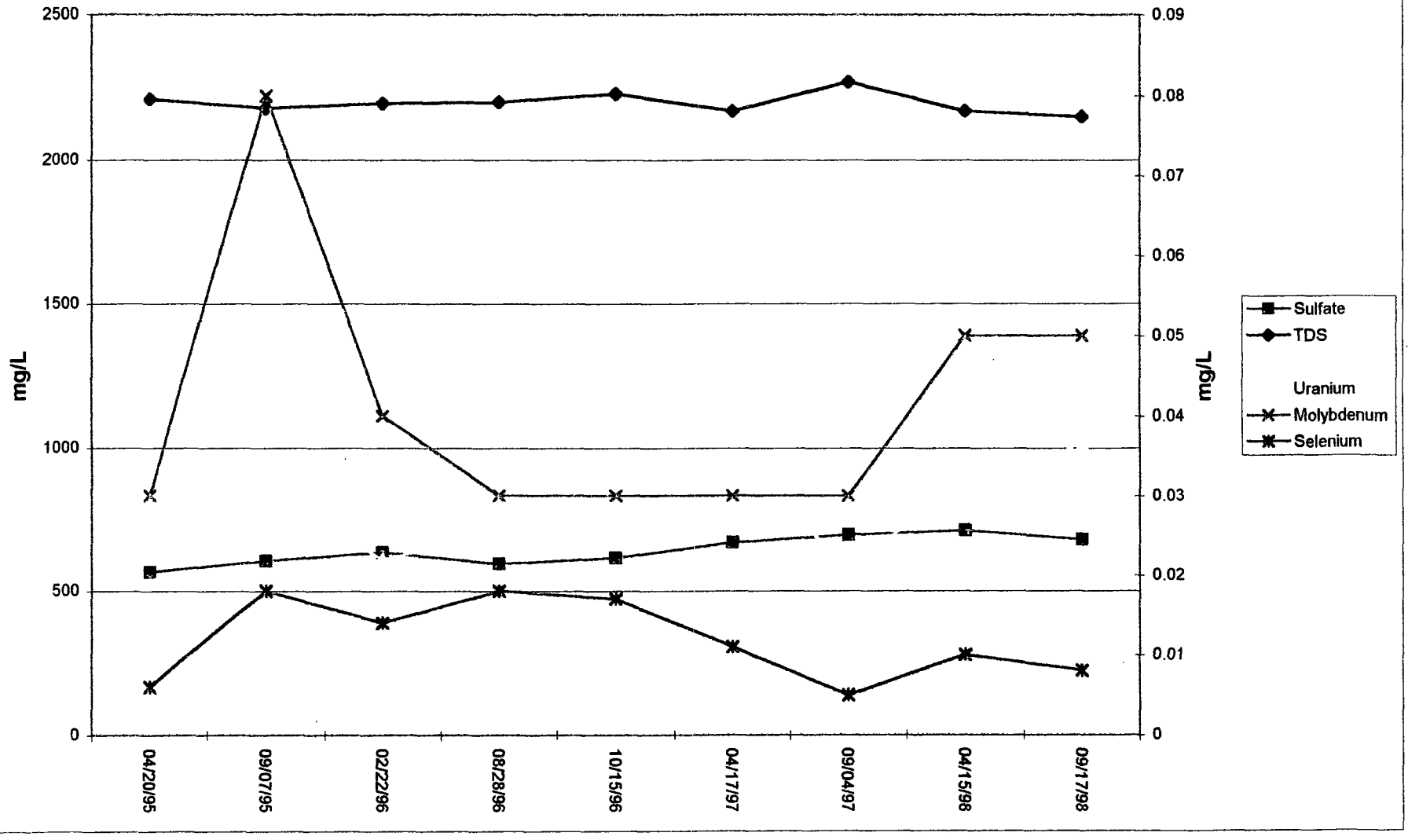
Figure 31
Well 0933



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

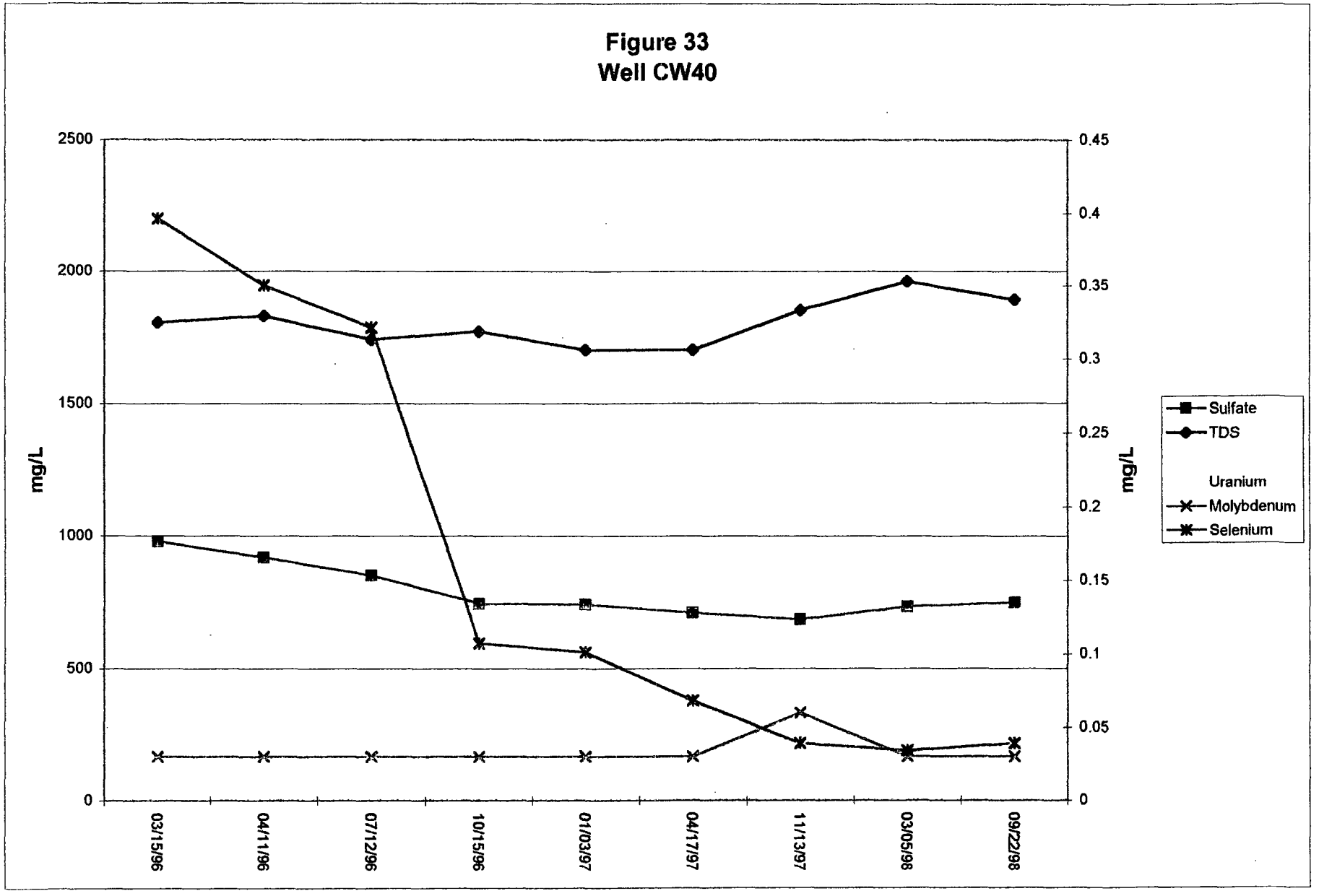
Figure 32
Well 0945



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

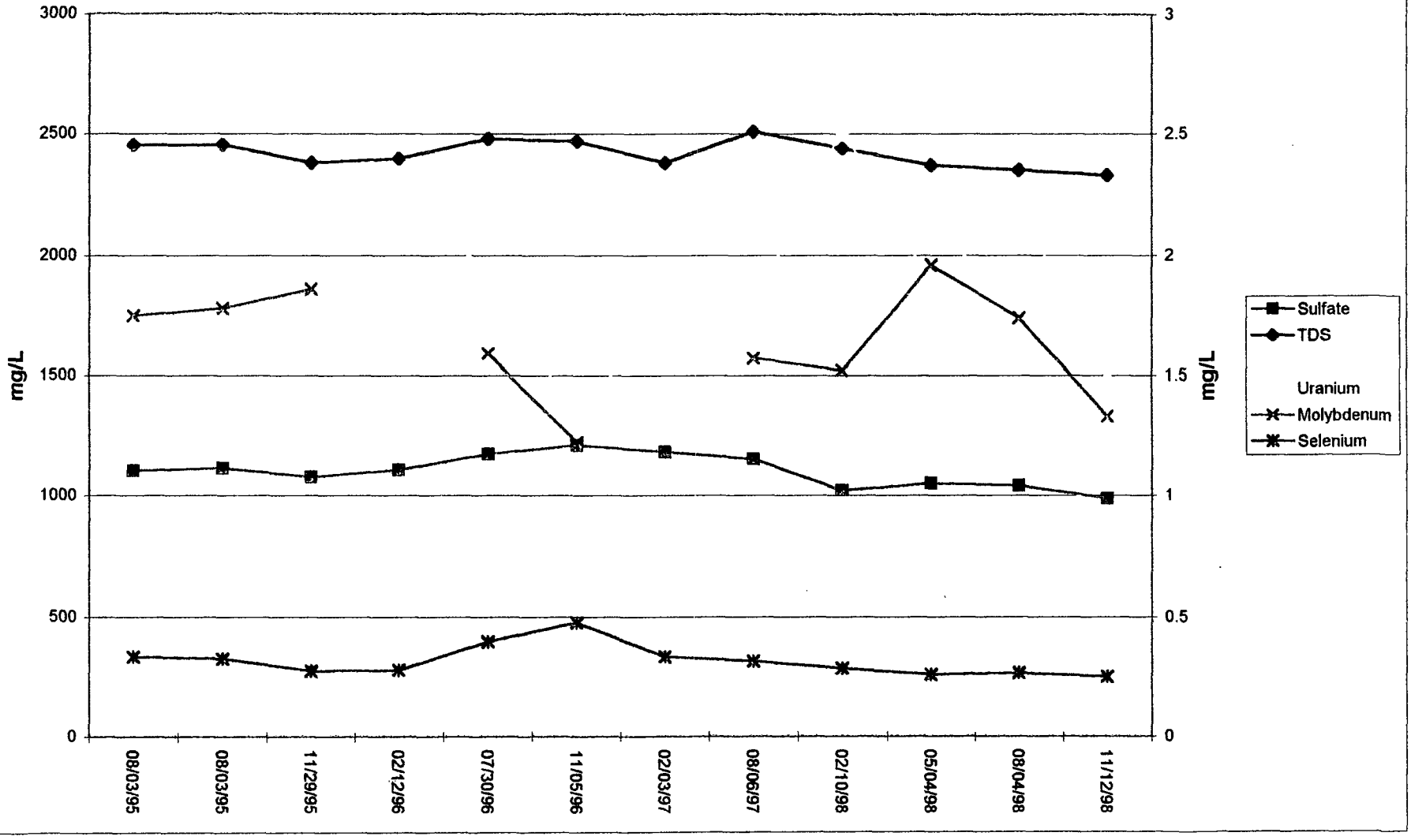
Figure 33
Well CW40



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

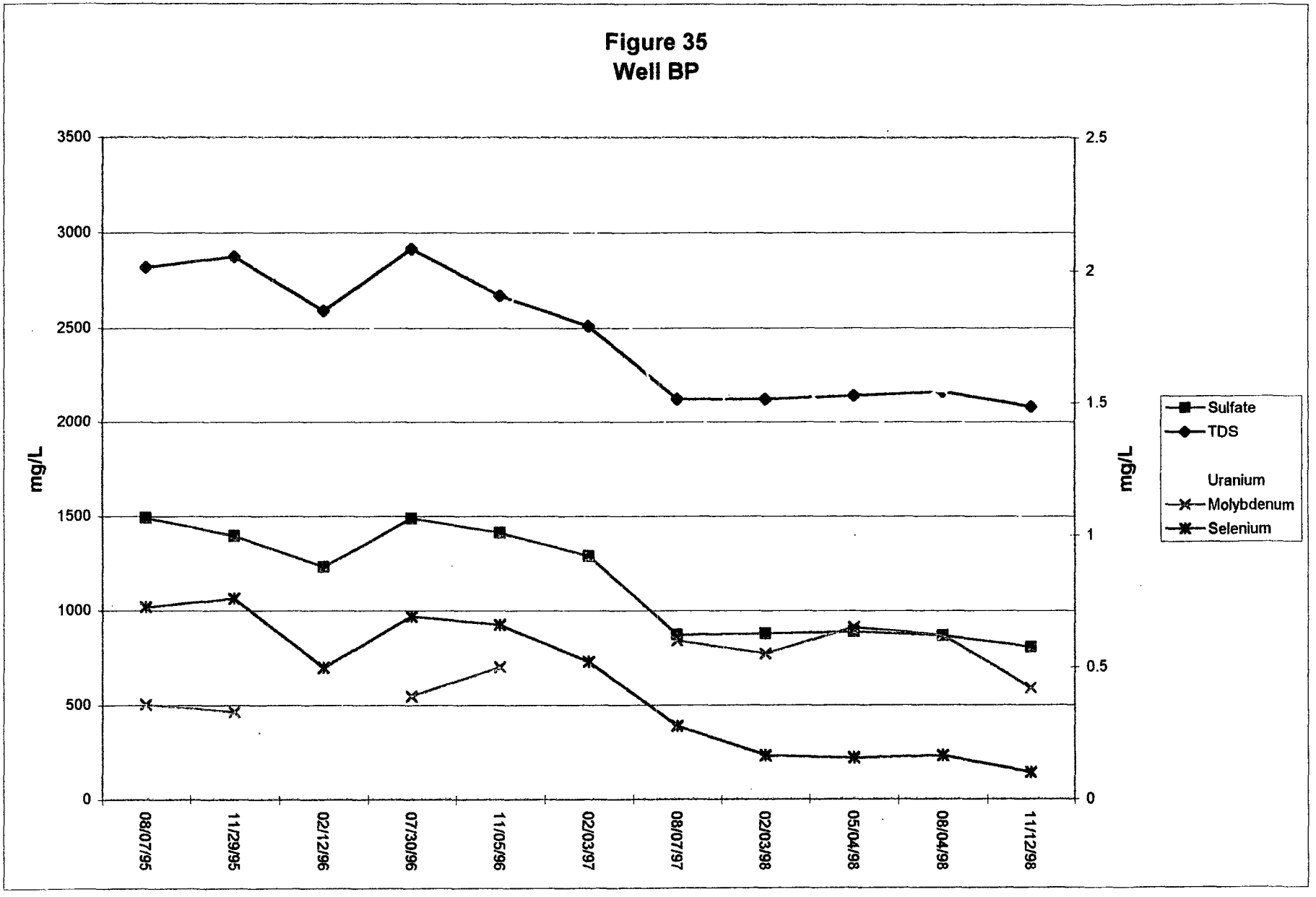
Figure 34
Well D1



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

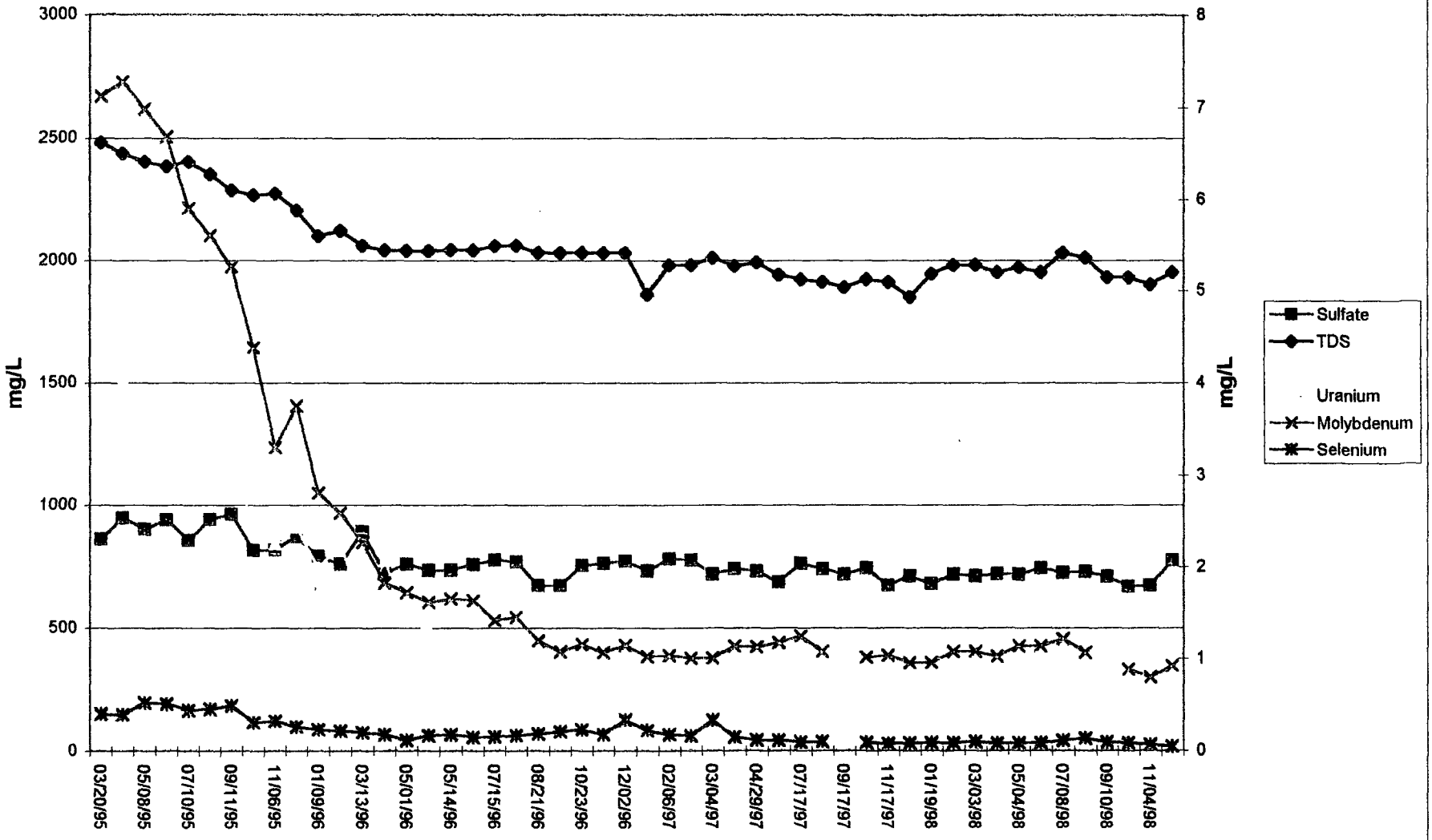
Figure 35
Well BP



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

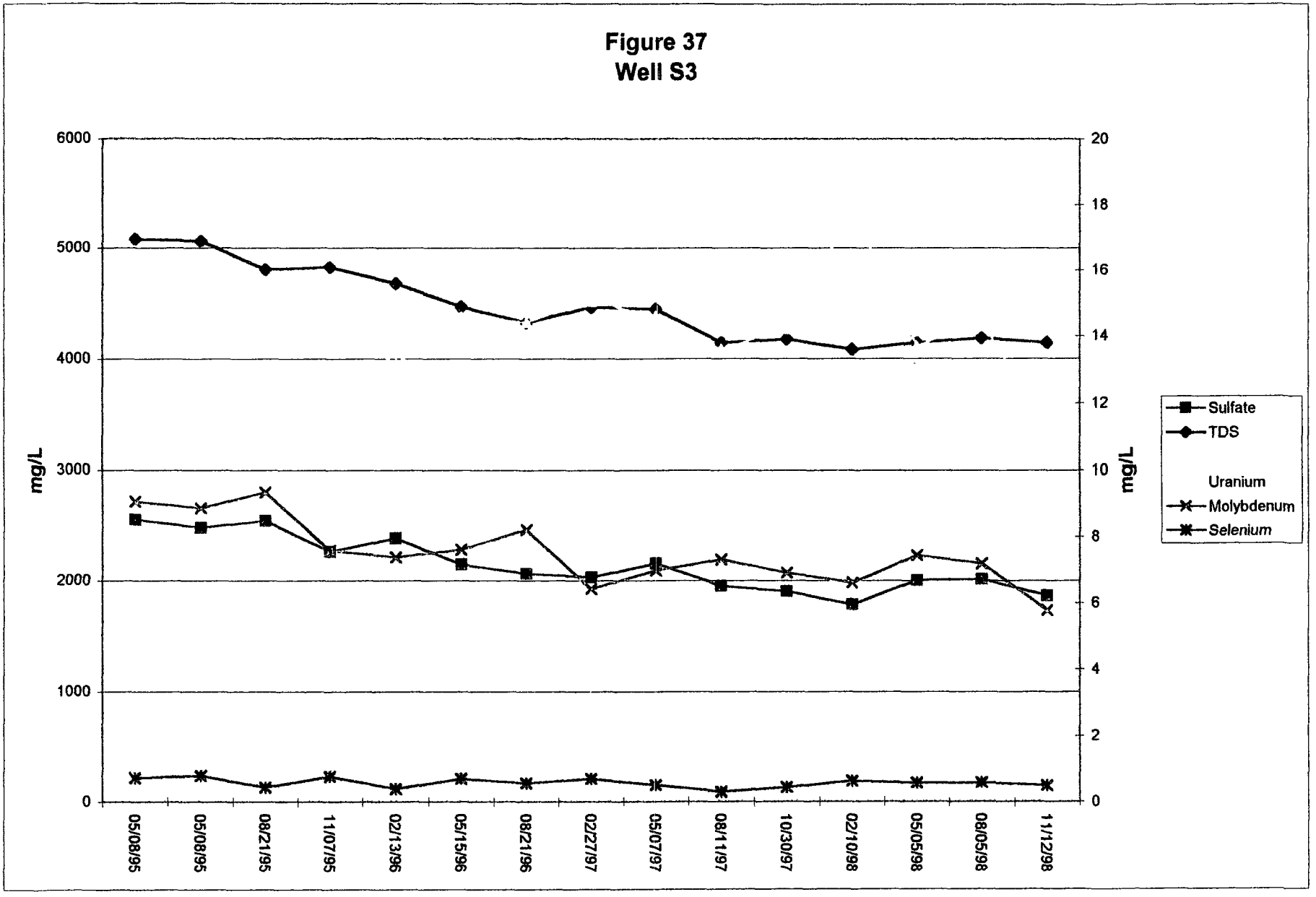
Figure 36
Well X



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

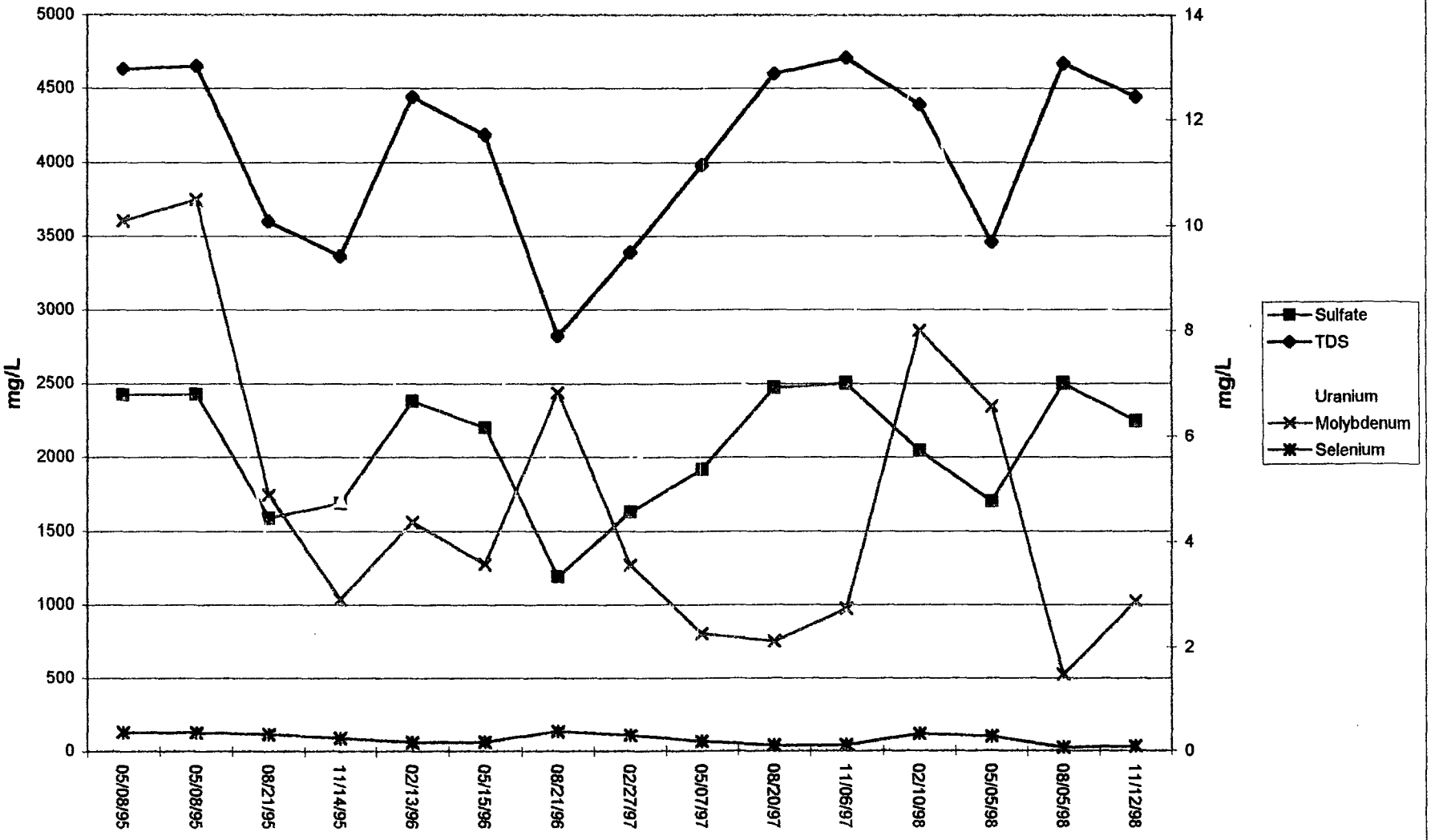
Figure 37
Well S3



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

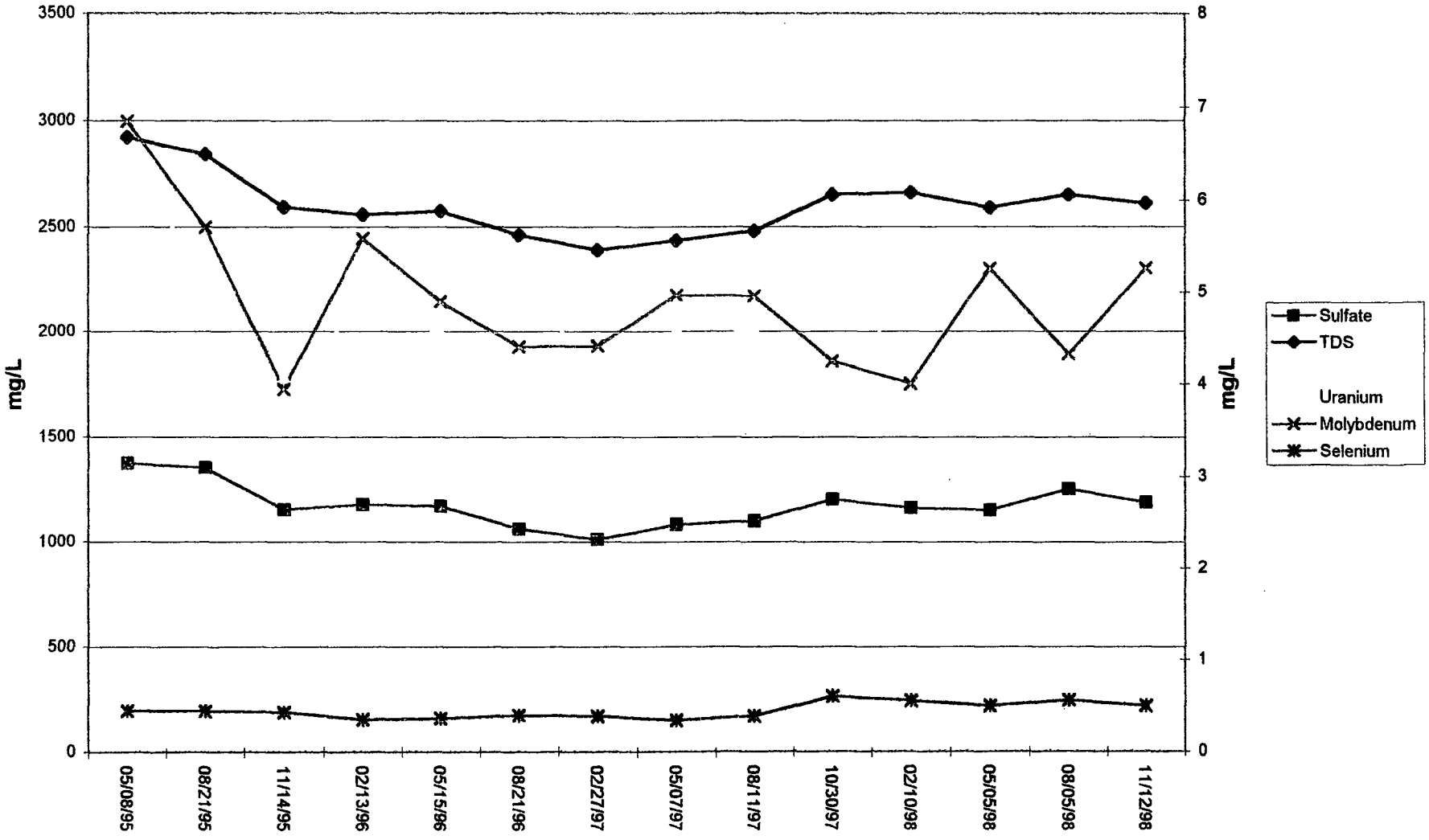
Figure 38
Well S4



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

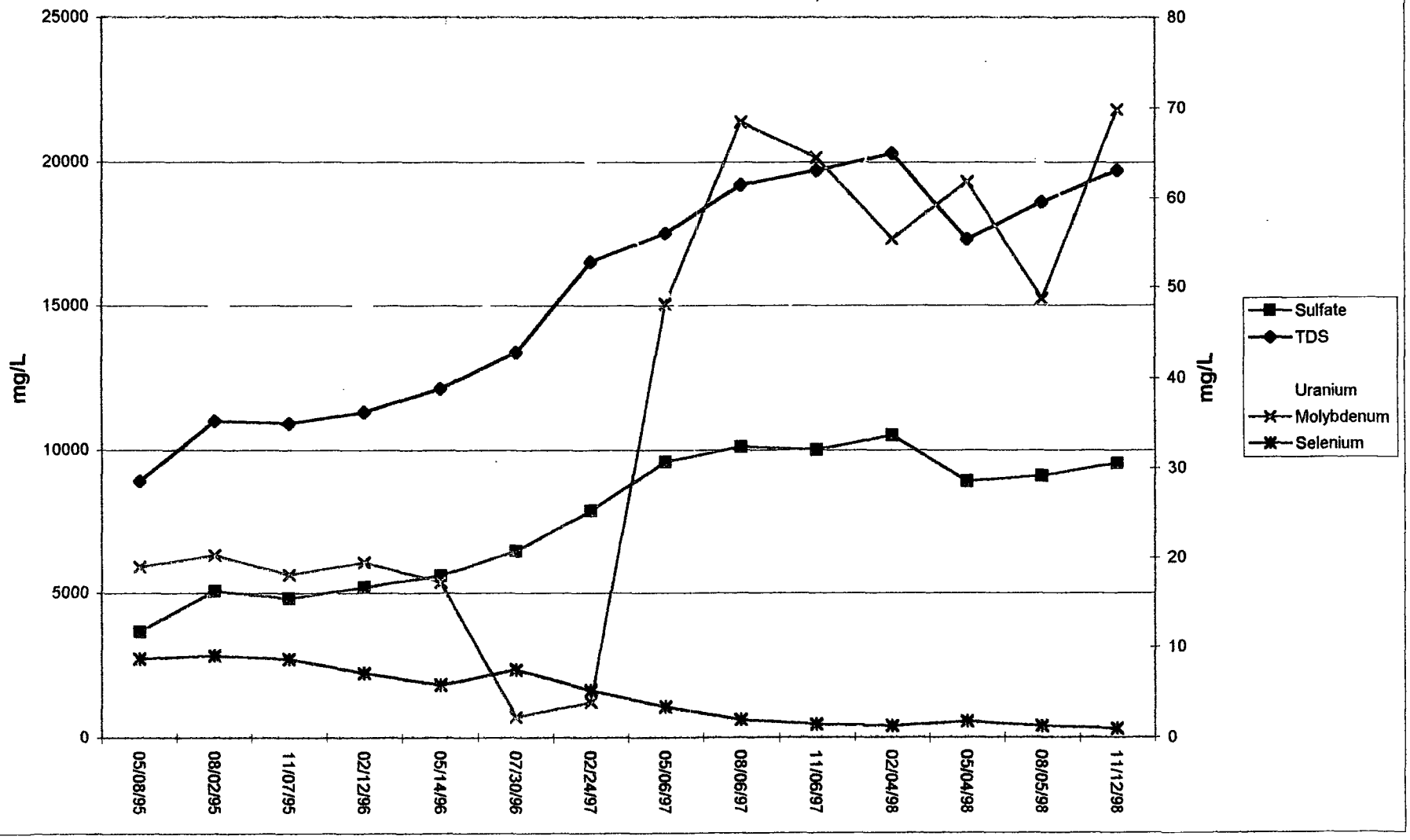
Figure 39
Well M5



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis

Figure 40
Well DQ



NRC Site Standards: Se: 0.10, U: 0.04, Mo: 0.03
NM Standards: Se: 0.12, U: 5.0, SO_4: 976, TDS: 1770, Mo: 1.0

SO_4 TDS - left axis
U, Mo, Se - right axis