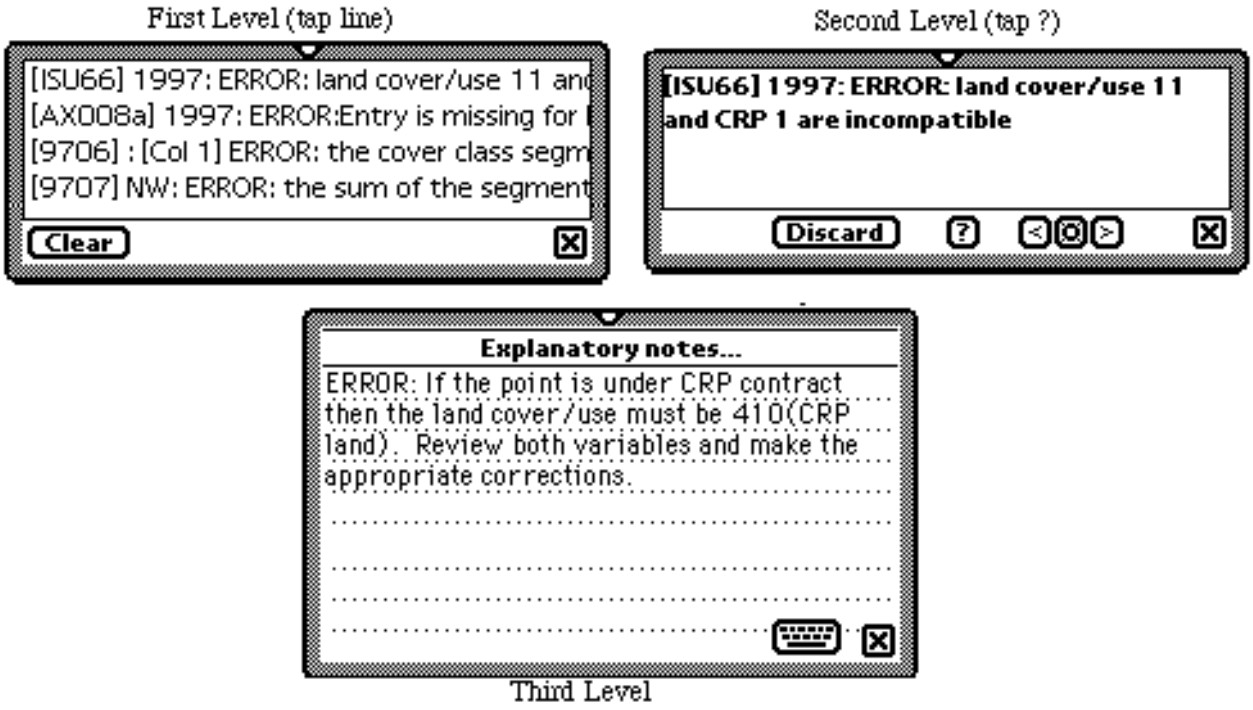
# 1997 NRI PSU and Point Edit Rules

## Introduction

Survey data are evaluated on the Newton by the 1997 NRI survey software each time a data gatherer taps the ôcheck boxõ on section title bars. A check mark persists in the box when all section data pass explicit rules of completeness, consistency, and compatibility. If problems (incomplete, inconsistent, or incompatible) are detected, a series of reports appear on the Newton screen to help data gatherers diagnose the problem and review or edit survey data.




Each problem has a unique code (e.g., ôISU66õ in the illustration) and is identified as an error or a warning. If it is an error, survey data must be edited and rechecked. Sections of survey data will not pass checking rules until all of the errors have been corrected. Warnings refer to suspicious data values and relationships that have to be reviewed by the data gatherer.

Three levels of messages on the Newton are sufficient to diagnose most data problems. However, some problems require more information than can be displayed on the Newtonõs screen. Use this guide to obtain more detailed problem descriptions.

All of the errors and warnings reported by the Newton are described in this guide and are sorted by their code. Generally, the problem descriptions in this guide match the text reported on the Newton screen. Braces ({}) are used as place holders for PSU and point data values.

Unique problem codes may be reported with different types of messages. If a section is checked before all data elements are complete, missing data are reported by general codes (AX###) or by codes that are specific to data elements. For example, problem code R06 evaluates USLE C factor. If the C factor is not complete, the R06 report will be described as Ò[RO6] P1,1997: ERROR: Entry is missing for USLE C factor.Ó After a C factor has been entered it is compared with land cover/use. If that C factor violates the rule associated with code R06 another message will describe the problem, for example, Ò[R06]P1, 1997:ERROR: land cover/use 11, cropping history 410, and USLE C factor .001 are incompatible.Ó

| Edit Code | Message | |
|---|---|---|
| AX001-17 | ERROR: | Entry is missing for É |
| AX018 | ERROR: | Duplicate conservation practice entries are illegal |
| AX019 | ERROR: | Duplicate or empty (non-zero) map labels are illegal for large streams on page {} |
| AX020 | ERROR: | Duplicate or empty (non-zero) map labels are illegal for small streams on page {} |
| AX021 | ERROR: | Duplicate or empty (non-zero) map labels are illegal for large water bodies on page {} |
| AX022 | ERROR: | Duplicate or empty (non-zero) map labels are illegal for small water bodies on page {} |
| AX023 | ERROR: | Small Stream length must be 0 or blank if width is 0 |
| AX024 | WARNING: | Group 19 (noncommercial) forest group - should this be changed to 21 - Pinyon Juniper? |
| | | A new code 21 - Pinyon Juniper has been added to the list of available forest type groups. |
| | | Some old group 19 - noncommercial entries might need to be changed to this new code. |
| C01 | ERROR: | area in farmsteads { } > PSU size { } |
| | | The acres of Farmsteads and Ranch Headquarters for the indicated year is larger than the Size of the PSU within county. This is not possible. At least one of the acreages is in error and must be corrected |
| C02 | WARNING: | area in farmsteads { } > 30 acres |
| | | The area in acres of Farmsteads and Ranch Headquarters for the indicated year is unusually large -- that is, larger than 30 acres. Verify that Farmsteads and Ranch Headquarters are correctly delineated and measured on PSU support maps. |

C03 ERROR: small urban { } + large urban { } > PSU size { }

The sum of Small Built-Up and Urban and Built-Up is greater than the Size of the PSU for the indicated year. This is not possible. Note that if the entire PSU within the county is built-up and the Size of PSU is larger than 10 acres, then (Large) Urban and Built-Up is equal to the Size of the PSU, while Small Urban and Built-Up is 0 acres.

E01 ERROR: area in large streams { } > PSU size { }

The area in acres of the Large Stream Within PSU for the indicated row is larger than the size of the PSU within county. This is not possible. At least one of the acreages is in error and must be corrected.

F02 WARNING: stream width { } > stream length { }

The Width of the Small Stream Within PSU exceeds the Length of the Small Stream Within PSU for the indicated row and year. This is highly unlikely. Verify that perennial small streams are correctly delineated and measured on PSU support maps. Make certain that length and width estimates were not reversed during entry.

G01 ERROR: area in large water bodies { } > PSU size { }

The Size Within PSU of the Large Water Body for the indicated row is out of range. The allowable size in acres must be between 1 and the Size of the PSU within county. Verify delineations and measurements on the PSU support maps and correct one or both entries for the indicated row.

G02 ERROR: total size of large water body < 100 acres but size within the PSU > 100 acres

The Size Class, Total of the Large Water Body for the indicated row is code 1 (Small -- less than 100 acres). This is incompatible with the Size Within acreage for the same row which equals or is greater than 100 acres. Verify delineations and measurements on the PSU support maps and correct one or both of the entries for the indicated row.

H01 ERROR: size of small water body { } > 40 acres

Small Water Bodies are less than 40 acres in size. For the indicated row and year, the Total Size is greater than 39.9 acres. This is not allowed. Verify delineations and measurements on the PSU support maps and correct the entry for the indicated row, or reclassify the water body as Large (at least 40 acres in size).

H02 ERROR: size within PSU of small water body { } > the total size { }

Small Water Bodies Size Within PSU must be less than 40 acres in size and less than or equal to Total Size. For the indicated row and year, Size Within exceeds Total Size. This is not possible. Verify delineations and measurements on the PSU support maps and correct one or both of the entries for the indicated row and year.

H03 ERROR: total acres in farmsteads({ }), large/small urban({ }/{ }), roads({ }), railroads({ }), large/small streams({ }/{ }), and large/small water bodies({ }/{ }) > PSU size({ })

For the indicated year, the sum of acres recorded in the PSU for Farmsteads and Ranch Headquarters, Built-Up Areas, streams, water bodies, and roads and railroads is greater than the Size of PSU + 1. This is not possible. Verify all PSU map delineations and measurements, including Size of PSU within county.

The area within PSU of small streams is determined as Length Within multiplied by Width Within divided by 43,560 (ft2/acre).

If the PSU is mostly or entirely Urban and Built-Up, make certain water areas are not included in the delineation of Urban and Built-Up, with the following exception:

> Water bodies of less than 10 acres total size are included within the Urban and Built-Up area if they are surrounded by Urban and Built-Up land (see pg 17 of Instructions).
>
> Remember to look beyond the boundary of the PSU to determine both the size of the small water body and whether it is surrounded by Urban and Built-Up land.

ISU01 WARNING: PSU size is zero acres

The Size of PSU is zero. This can only occur if the PSU is located outside the county boundary. Please verify that this is indeed the situation. If so, no data is collected for this PSU.

ISU09 ERROR: size of water body within PSU { } > 40 acres

The Size Within PSU of the Small Water Body for the indicated row is out of range. The allowable size in acres must be less than 40 acres. Verify delineations and measurements on the PSU support maps and correct one or both entries for the indicated row.

ISU10 ERROR: size of water body within PSU is zero and total size > zero

The size of water body within PSU is zero and the total size is greater than zero for the indicated water body row and year. Please review both values and make the appropriate correction.

ISU11 ERROR: width of small stream { } >= 660 feet

Width of Small Streams is less than 660 feet. For the indicated row and year, the width is greater than or equal to 660 feet. This is not allowed. Verify delineations and measurements on the PSU support maps and correct the entry for the indicated row, or reclassify the stream as Large (at least 660 feet wide).

ISU14 ERROR: entire PSU is urban but sm. urban > zero acres

When the entire PSU is urban and built-up, it should all be classified as large urban (units >= 10 acres). Review the definitions of urban and built-up and verify measurements on PSU support maps.

ISU17 ERROR: class/subcl. { } not legal

For the point and year indicated an illegal land capability class/subclass was entered. Legal land capability class/subclass codes are:

1 2C 2E 2S 2W 3C 3E 3S 3W 4C 4E 4S 4W 5C 5S 5W 6C 6E 6S 6W 7C 7E 7S 7W 8E 8W 8S NA

ISU19 ERROR: soil loss tolerance T factor { } not legal

For the point and year indicated an illegal "T" Factor code was entered. Legal "T" Factor codes are 1-5.

ISU40 ERROR: entire PSU is lg. urban but land cover/use { } is not urban

If the entire PSU is urban and built-up then the land cover/use at the point must be urban and built-up > 10 acres (code 700). Review both the urban acres in the PSU and the land cover/use at the point and make appropriate corrections.

ISU45 WARNING: USLE tons/acre { } is suspiciously large

For the point and year indicated an unusually high erosion rate was computed. Questionable values are:

Any erosion over 100 tons/acre/year
Cropland erosion over 50 tons/acre/year
Pasture erosion over 15 tons/acre/year

ISU48 ERROR: USLE K factor { } not legal

For the point and year indicated an illegal USLE K Factor was recorded. Please check the K Factor determination and the Soil Interpretation Record. Legal USLE K Factor codes are:

.05 .10 .15 .17 .20 .24 .28 .32 .37 .43 .49 .55 .64

ISU49 ERROR: USLE C factor { } not legal

For the point and year indicated an illegal USLE C Factor was recorded. Legal USLE C Factor values are greater than 0 and less than or equal to 1.

ISU51 ERROR: USLE P factor { } not legal

For the point and year indicated an illegal USLE P Factor was recorded. Legal USLE P Factor values are 0.25-1.

ISU53 WARNING: land cover/use { } and slope length { } are incompatible

For the point and year indicated the slope length and Land Cover/Use are not

ISU66 ERROR: land cover/use { } and CRP { } are incompatible

If the point is under CRP contract then the land cover/use must be 410(CRP land). Review both variables and make the appropriate corrections.

ISU71 ERROR: irrigation type { } is shown but no irrigation system

If the point is irrigated an irrigation system must be entered. Review both variables and make appropriate corrections.

ISU77 ERROR: USLE slope length { } not legal

For the point and year indicated an illegal slope length was recorded. Slope length should not be less than or equal to "0".

ISU80 ERROR: FSA wetland type { } and cowardin wetland type { } are incompatible

If the point is classified as FSA wetland code AW, FW, or W it must also be classified as a cowardin wetland. Review both variables and make appropriate corrections.

ISU87 ERROR: land cover/use { } and irrigation type { } are incompatible

If the land cover/use is rice (code 113) the point must be irrigated. Review both variables and make appropriate corrections.

M08 ERROR: land cover/use { } and acres in farmsteads { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as Farmsteads and Ranch Headquarters (400) but there are no acres of Farmsteads and Ranch Headquarters recorded for the same year in the PSU section. If the point's Land Cover/Use is code 400, there must be acres of Farmsteads and Ranch Headquarters. Review the PSU support maps and correctone or both entries.

M09 ERROR: land cover/use { } and acres in sm. urban { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as Small Built-Up in a unit .25 - 10 acres (code 730), but there are no acres of Small Built-Up recorded for the same year in the PSU section. If the point's Land Cover/Use is code 730, there must be acres of Small Built-Up recorded for the same year in the PSU section. Review the PSU support maps and correct one or both entries.

M10 ERROR: land cover/use { } and acres in lg. urban { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as Urban and Built-Up in a unit 10 acres or larger (code 700), but there are no acres of Urban and Built-Up recorded for the same year in the PSU section. If the point's Land Cover/Use is code 700, there must be acres of Urban and Built-Up recorded for the same year in the PSU section. Review the PSU support maps and correct one or both entries.

M11 ERROR: land cover/use { } and acres in large streams { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as a perennial stream at least 1/8 mile wide (code 913), but the sum of acres in the PSU for Large Streams equals 0 (the PSU section). If the point's Land Cover/Use is code 913, there must be at least one Large Stream entered in the PSU section. Review the PSU support maps and correct one or both entries.

M12 ERROR: land cover/use { } and width of small streams { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as a perennial stream less than 66 feet wide (code 911), but there are no Small Streams with widths of less than 66 feet for the same year (the PSU section). If the point's Land Cover/Use is code 911, there must be at least one Small Stream with a width of less than 66 feet entered for the same year in the PSU section. Review the PSU support maps and correct one or both entries.

M13 ERROR: land cover/use { } and width of small streams { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as a perennial stream 66 to 660 feet wide (code 912), but there are no Small Streams with widths in the range of 66 to 660 feet for the same year (the PSU section). If the point's Land Cover/Use is code 912, there must be at least one Small Stream with a width of 66 to 660 feet entered for the same year in the PSU section. Review the PSU support maps and correct one or both entries.

M14 ERROR: land cover/use { } and acres in large water bodies { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as a water body at least 40 acres in size, code 921, 922, 923 or 924, but the sum of acres in the PSU for acres of Large Water Bodies equals 0 (in the PSU section). If the point's Land Cover/Use is coded as a water body with a size of at least 40 acres, there must be at least one Large Stream entered in the PSU section. Review the PSU support maps and correct one or both entries.

M15 ERROR: land cover/use { } and size of small water bodies { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as a water body 2 to 40 acres in size (code 901), but there are no Small Water Bodies with Total Size of 2 to 40 acres recorded for the year in the PSU section. If the point's Land Cover/Use is coded 901, there must be at least one entry with a Total Size of 2 to 40 acres for the same year in the PSU section. Review the PSU support maps and correct one or both entries.

M16 ERROR: land cover/use { } and size of small water bodies { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as a water body less than 2 acres in size (code 902), but there are no Small Water Bodies with Total Size less than 2 acres recorded for the year in the PSU section. If the point's Land Cover/Use is coded 902, there must be at least one entry with a Total Size of less than 2 acres for the same year in the PSU section. Review the PSU support maps and correct one or both entries.

M17 ERROR: land cover/use { } and acres in public roads { } are incompatible

For the indicated point and year 1997, the Land Cover/Use is coded as a road (codes 810-850) but there are no acres of roads recorded for the same year in the PSU section. If the point's Land Cover/Use is code 810-850, there must be acres of roads. Review the PSU support maps and correct one or both entries.

M18 ERROR: land cover/use { } and acres in railroads { } are incompatible

For the indicated point and year 1997, the Land Cover/Use is coded as railroad (code 860) but there are no acres of railroads recorded for the same year in the PSU section. If the point's Land Cover/Use is code 860, there must be acres of railroads. Review the PSU support maps and correct one or both entries.

M19 ERROR: land cover/use { } and acres in private roads { } are incompatible

For the indicated point and year 1997, the Land Cover/Use is coded as other road (code 870) but there are no acres of private roads recorded for the same year in the PSU section. If the point's Land Cover/Use is code 870, there must be acres of private roads. Review the PSU support maps and correct one or both entries.

M20 ERROR: land cover/use { } and acres in historic public roads { } are incompatible

For the indicated point and year 1992, the Land Cover/Use is coded as a road (codes 810-850) but there are no acres of historic roads recorded for 1992 conditions in the PSU section. If the point's Land Cover/Use is code 810-850, there must be acres of historic roads. Review the PSU support maps and correct one or both entries.

M21 ERROR: land cover/use { } and acres in historic railroads { } are incompatible

For the indicated point and year 1992, the Land Cover/Use is coded as railroad (code 860) but there are no acres of historic railroads recorded for 1992 conditions in the PSU section. If the point's Land Cover/Use is code 860, there must be acres of historic railroads. Review the PSU support maps and correct one or both entries.

M22 ERROR: land cover/use { } and acres in historic private roads { } are incompatible

M31 WARNING: land cover/use { } and acres in historic railroads { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as railroad (code 860) but there are no acres of railroads indicated for 1992 conditions in the PSU section. It is unlikely that railroads would disappear. Review the PSU support maps and verify both entries.

M32 WARNING: land cover/use { } and acres in historic private roads { } are incompatible

For the indicated point and year, the Land Cover/Use is coded as other road (code 870) but there are no acres of private roads indicated for 1992 conditions in the PSU section. It is unlikely that private roads would disappear. Review the PSU support maps and verify both entries.

R05 ERROR: land cover/use { } and USLE C factor { } are incompatible

For the indicated point and year the USLE C Factor is incompatible with the Land Cover/ Use If the Land Cover/Use is in the range 001-006 (horticulture crops), then the value of C must be in the range of .003 -1.

R06 ERROR: land cover/use { }, cropping history { }, and USLE C factor { } are incompatible

For the indicated point and year the USLE C Factor is incompatible with Land Cover/Use and Cropping History. Consult the following table for acceptable C values.

| IF LANDUSE = | AND CROPHIST = | C FACTOR MUST BE |
|---|---|---|
| 011 - 116<br>170 - 180 | 014 | .02 - .75 |
| 011 - 116<br>170 - 180 | | .02 - .7 |

R07 ERROR: land cover/use { }, cropping history { }, and USLE C factor { } are incompatible

For the indicated point and year the USLE C Factor is incompatible with the Land Cover/Use and Cropping History. Consult the following table for acceptable C values.

| IF LANDUSE = | AND CROPHIST = | C FACTOR MUST BE |
|---|---|---|
| 141 - 143 | 011 - 013<br>015 - 180 | .003 - .25 |
| 141 - 143<br>141 - 143 | 014 | .02 - .75<br>.003 - .2 |

R08 ERROR: land cover/use { }, cropping history { }, and USLE C factor { } are incompatible

For the indicated point and year the USLE C Factor is incompatible with the Land Cover/Use and Cropping History. Consult the following table for C values.

| IF LANDUSE = | AND CROPHIST = | C FACTOR MUST BE |
|---|---|---|
| 211 - 213 | 011 - 013<br>015 - 180 | .003 - .25 |
| 211 - 213 | 014 | .02 - .75 |
| 211 - 213 | | .003 - .2 |

R12 ERROR: land cover/use { } and USLE P factor { } are incompatible

For the indicated point and year the USLE P Factor is incompatible with Land Cover/Use. Pastureland (211-213) must have a USLE P factor = 1.0.

R15 ERROR: cons. pract. { } and USLE P factor { } are incompatible

For the indicated point in 1997 the USLE P Factor is 1.0 with associated Conservation Practices:

330 Contour Farming
331 Contour Orchard and Other Fruit Areas
585 Stripcropping, contour, or
586 Stripcropping, field

The P Factor must be less than 1.0 for these associated conservation practices.

T03 WARNING: land cover/use { } and cowardin wetland code { } are incompatible

For the indicated point and year, the Land Cover/Use is strip mines, quarries, gravel pits, borrow pits (613). A Cowardin Wetland System is also identified. It is highly unusual to have a Wetland System in this situation.

T04 ERROR: land cover/use { } and cowardin wetland code { } are incompatible

For the indicated point and year, the Land Cover/Use is either marshland (640) or a water area (901-924), but the Cowardin Wetland System is coded as none (0). A Cowardin Wetland System must be entered for (associated with) these Land Cover/Uses.

T05-T06 ERROR: land cover/use { } and cowardin wetland code { } are incompatible

For the indicated point and year, the Cowardin Wetland System is incompatible with the associated Land Cover/Use. Compatible Land Cover/Uses are indicated on the following table.

| Code | COWARDIN | LANDUSE MUST BE: |
|---|---|---|
| T05 | 10 | 612, 614, 619, 610, 700, 730, 923 |
| T06 | 20 - 23 | 614, 617, 619, 620, 640<br>924, 700, 730, 250, 341, 342, 612 |

T07-T11 WARNING: land cover/use { } and cowardin wetland code { } are incompatible

For the indicated point and year, the Cowardin Wetland System and Land Cover/Use are highly unlikely. Both determinations must be carefully reviewed. The following table indicates likely associations between Cowardin Wetland Systems and Land Cover/Uses.

| Code | COWARDIN | LANDUSE MUST BE |
|---|---|---|
| T07 | 10, 20-23 | 001-699, 731-924 |
| T08 | 30-31 | 612, 616, 617, 618, 620, 911-913 |
| T09 | 40 - 41 | 611, 614, 620, 901, 921-923 |
| T10 | 50 - 51 | 001-250, 400-410, 611, 617, 619, 620, 640, 700-870, 901, 902 |
| T11 | 52 - 53 | 005, 250, 341-410, 619, 620, 650-870, 901, 902 |

T12 ERROR: land cover/use { } and FSA wetland code { } are incompatible

For the indicated point and year, the FSA Wetland Classification is incompatible with the associated Land Cover/Use. Forest land, grazed (341) or not grazed (342), is not compatible with FSA Wetland category FW (Farmed Wetland) or CW (Converted Wetland). Review both determinations and make a correction.

T13 ERROR: land cover/use { } and FSA wetland code { } are incompatible

For the indicated point and year, the FSA Wetland Classification is incompatible with the associated Land Cover/Use. If the Land Cover/Use is

250, 611-640, 700, 730, or 810-870

then the FSA Wetland Classification must be

W, CW, PC, AW or NW.

T15 WARNING: cowardin wetland code { } and acres in large water bodies { } are incompatible

For the indicated point and year, the Cowardin Wetland System is Marine (10), but there are no entries for Large Water Bodies in the PSU section. This is highly unlikely. Review all source materials for determinations of water bodies in the PSU and the Cowardin Wetlands for the point.

T17 WARNING: cowardin wetland code { } and acres in streams { } are incompatible

For the indicated point and year, the Cowardin Wetland System is Riverine (30-31), but there are no acres reported for Large Streams or entries for Small Streams in the PSU section. This is highly unlikely. Review all source materials for determinations of perennial streams in the PSU, and Land Cover/Use and Cowardin Wetlands for the point.

T18 WARNING: cowardin wetland code { } and acres in large and small water bodies { } are incompatible

For the indicated point and year, the Cowardin Wetland System is Lacustrine (40-41), but there are no acres reported for either Large Water Bodies or Small Water Bodies in the PSU section. This is highly unlikely. Review all source materials for determinations of water bodies in the PSU, and Land Cover/Use and Cowardin Wetlands for the point.

Z01 WARNING: there is a decrease over time of lg. urban

For the indicated PSU there is a decrease in Urban and Built-Up for the indicated years. This is highly unlikely. Carefully review all sources of information on built-up for all years. Check for errors in delineations, calculations, and entries in the PSU section.

Z02 WARNING: there is a decrease over time of total urban

For the indicated PSU there is a decrease in the sum of Small Built-Up and Urban and Built-Up Areas for the indicated years. This is highly unlikely. Carefully review all sources of information on built-up for all years. Check for errors in delineations, calculations, and entries in the PSU section.

Z03 WARNING: there is an inconsistent change in federal ownership status

The answers in the PSU section to the Entirely Federal Land questions are unlikely. Federal Land rarely changes from federal to non-federal to federal, or from non-federal to federal to non-federal. Review federal ownership of the PSU for all inventory years.

Z05 WARNING: there is an inconsistent change in presence of small streams

For the indicated PSU and row over three years, the listed Small Stream either appears, disappears, and then reappears; or is not present, appears, and then disappears. It is highly unlikely that a small stream will appear and disappear as suggested by the indicated row. Check the maps and entries.

Z06 WARNING: there is an inconsistent change in presence of small water bodies

For the indicated PSU and row over three years, the listed Small Water Body either appears, disappears, and then reappears; or is not present, appears, and then disappears. It is highly unlikely that a Small Water Body will appear and disappear as suggested by the indicated row. Check the maps and entries.

Z07 WARNING: there is an inconsistent change in federal ownership

For the indicated point over two years, the ownership codes change to or from Federal. It is unusual for land to change Federal ownership as indicated. Check ownership for the point and years.

Z08 WARNING: there is an inconsistent change in farmsteads

For the indicated point and years, the Land Cover/Use Farmsteads and Ranch Headquarters (code 400) either appears, disappears, and reappears; or is not present, appears, and then disappears. This is extremely unlikely. This may indicate that points were mis-located during one or more inventories; check point locations and Land Cover/Use determinations for all years.

Z09 WARNING: there is an inconsistent change in forest land

For the indicated point and years, Land Cover/Use Forest Land (341 or 342) either appears, disappears, and reappears; or is not present, appears, and then disappears. It is highly unlikely that Forest Land will develop in a 5 year period and then disappear. Check definitions of Land Cover/Use and consistency in point locations during the inventory years.

Z10 WARNING: there is an inconsistent change in rangeland

For the indicated point and years, Land Cover/Use Rangeland (250) either appears, disappears, and reappears; or is not present, appears, and then disappears. It is highly unlikely that Rangeland will appear and disappear so abruptly. Check definitions of Land Cover/Use and consistency in point locations during the inventory years.

Z11 WARNING: there is an inconsistent change in land cover/use

For the indicated point, Forest Land (341 or 342) appears 5 years after Horticultural or Row and Close Grown crops (001-116). It is unusual for Forest Land to develop in a 5 year period. Check definition of Land Cover/Use and consistency in point locations during inventory years.

Z12 WARNING: there is an inconsistent change in lg. urban

For the indicated point, Urban and Built-Up (700) changes to another Land Cover/Use. It is extremely unlikely that the point will change as indicated. Review the definitions of Urban and Built-Up, map delineations of Urban and Built-Up, and consistency in point locations during inventory years.

Z13 WARNING: there is an inconsistent change in sm. urban

For the indicated point, Small Built-Up (730) changes to a Land Cover/Use other than Large Built-Up (700). It is unlikely that Small Built-Up areas will change as indicated. Review

Z22 WARNING: there is an inconsistent change in ownership

For the indicated point and years, there is a change in ownership from being in the county to being out of the county (code 0). If a point is determined to be out of the county, it is considered to be out of the county for all NRI inventory years.

Z23 WARNING: there is an inconsistent change in WEQ knoll erodibility

Z99 WARNING: there is an inconsistency between changes in point land cover/use and changes in PSU acreages (NOTE: this warning is not in the Newton)

For the indicated point and years, the point Land Cover/Use changed into or out of Small Streams, Small Water Bodies, Small Built-Up, Large Built-Up, or Farmsteads. For the same years, the corresponding PSU acres either did not change or changed in the opposite direction. Please review the trends in both the point and PSU data for consistency.

9701 ERROR: date of field visit { } > 1998

The date of field visit for the indicated row is greater than 1998. The date cannot be greater than 1998. Correct the date for the indicated row.

9703 ERROR: CRP sign-up for 1992 { } not legal

The CRP sign-up for 1992 must be <= 11.

9704 ERROR: CRP major contracted practice for 1992 { } not legal

The CRP major contracted practice for 1992 must be <= 3.

9706 ERROR: the cover class segment #1 for all 4 transects { }{ }{ }{ } are incompatible

The first segment cover class (starting from the center of the X) must be the same for all 4 transects in the habitat complexity section.

9707 ERROR: the sum of the segment feet { } for transect { } is not legal

The sum of the segment feet for each transect in the habitat complexity section must = 500 feet.

9709 WARNING: the sum of the segment feet { } is unusually large

It is unlikely that the sum of the segment feet in the overland flow section is > 2,000 feet.

9710 ERROR: the 1992 cowardin wetland code { }, the 1997 cowardin wetland code { }, and the reason for gain/loss are incompatible

The legal reasons for a loss in wetlands are a, b, c, d, f, and g. The legal reasons for a gain in wetlands are d, e, f, and g. Please review both the 1992 and 1997 cowardin wetland entries as well as the reason for gain/loss.

9711 ERROR: at least one data gatherer must be entered

At least one data gatherer must be entered.

9712 ERROR: incompatible shoreline adjacent cover types

The same cover type cannot exist for two adjacent entries. Review the entries and correct as needed.

9713 ERROR: incompatible habitat adjacent cover types in transect { }, segments { } { }

The same cover type cannot exist for two adjacent entries. Review the entries and correct as needed.

9714 ERROR: incompatible overland flow adjacent cover types, segments { } { }

The same cover type cannot exist for two adjacent entries. Review the entries and correct as needed.

9715 ERROR: the sum of overland flow cover lengths { } < straight line distance to receiving water { }

The sum of cover lengths is less than the entered straight line distance to receiving water. Check measurements and correct as needed.

9716 ERROR: duplicate CRP practice entries are illegal

Duplicate CRP practice entries are illegal. Correct as needed.

9717 WARNING: the sum of practice acres { } is large

The sum of practice acres is { }. This seems large for this data element. Check measurements and correct if needed.

9718 ERROR: CRP Acres is empty for a non-empty CRP Practice row

CRP Acres is empty for a non-empty CRP Practice row.