

ERRATA (Nov. 26, 2002)
[A work in progress]

Geology of Central (Interior) Alaska
U.S. Geological Survey Open-File Reports 98-133, 98-133a

Text

The unit description and map label for unit PzZym, Mafic schist, was inadvertently garbled. On sheet 3 and in the text, the unit is correctly labeled PzZym, on the map (sheet 1, in the Circle quadrangle) the unit label is PzZms, which is incorrect. The corrected unit description for this unit is as below:

PzZym Mafic schist (Paleozoic and(or) Late? Proterozoic)-- Green, quartz-chlorite-carbonate schist, commonly having abundant plagioclase porphyroblasts. Associated with amphibolitic schist and minor marble, quartzite, and pelitic schist. Thought to represent metamorphosed mafic pyroclastic rocks interbedded with schists of unit PzZyqs. Outside of the map extent shown, these rocks also occur as interbeds in unit PzZyqs in the Circle quadrangle. Includes unit PzpCm of Foster and others (1983) and unit Pzcl of Wiltse and others (1995)

The unit description for unit Kmum indicates this unit appears in the Kantishna River and Tanana quadrangles; this is incorrect as the rocks shown on one source map (Chapman and others, 1982) in these quadrangles were placed in another unit (MzZum) on the published map.

The unit description for unit MzPzi indicates that this unit occurs in the Nulato quadrangle based on a written communication from W.W. Patton, Jr. in 1997. This is in error and Patton's communication eliminated this unit from the Nulato map and the rocks would have been assigned to this unit (unit vr, Cass, 1959) were shown to be either of Cretaceous (unit Kv) or Tertiary age (units Tr and Ta) and were assigned to units Kve and Tvu on the published map.

On page 57 of the text, in the listing of sources for the map, the first source shown as LH2 should actually be LH3.

The correct date for the unpublished compilation of the Nulato quadrangle on page 59 should be 1997 and not 1994.

Map

Big Delta quadrangle

In the Big Delta quadrangle, the printed text shows unit PzpCsq from the source map was assigned to unit PzZyqs, that is not entirely correct, part was also assigned to unit PzZysa on the published map. In the hidden text (apparent only on the CD-ROM Word document where hidden text is revealed) associated with unit Pze, Eclogite-bearing schist, unit Pzs from the Big Delta quadrangle is shown to part of this unit. That is also incorrect, unit Pzs from the Big Delta quadrangle was assigned to unit PzZysa on the published map.

Circle quadrangle

As noted above the map label for unit PzZym, Mafic schist, was inadvertently garbled. On sheet 1, in the Circle quadrangle, the unit label is incorrectly PzZms.

There are a number of other coding and labeling errors in the northwest portion of the Circle quadrangle. In the extreme northwest, the area labeled MzZum, Ultramafic and mafic rocks, undivided and colored purple, should have been labeled Oc, Chert. Immediately north of the pluton at Victoria Mountain, there is a polygon colored as unit CZw, Wickersham Grit, undivided that should have been labeled MzZum and colored purple, to match the adjoining Livengood quadrangle. The polygons labeled KJwc, Wilber Creek flysch and Wolverine Quartzite, undivided should have been labeled and colored as Kwcf, Wilber Creek flysch, only.

The unit description for unit KJwc, Wilber Creek flysch and Wolverine Quartzite, undivided indicates that this unit appears only in the Tanana quadrangle, in fact the unit also is found in the westernmost part of the Circle quadrangle, in the vicinity of Victoria Mountain.

The unit description for JPzsgs is incorrect in indicating that unit Pzg from the Circle quadrangle is included. This unit was inadvertently removed from the Circle area during the compilation process. The unit should appear as two very small polygons on Preacher Creek just south of the southernmost strand of the Tintina Fault system.

Gulkana quadrangle

In the Gulkana quadrangle, a number of Quaternary volcanic rock units were improperly labeled. Units labeled Qw, Qdf, Qva, Qmsv, Qshc, and Qcs are all shown properly colored but should have been uniformly labeled Qv. However, each of these units is individually described in the digital database on the CD-ROM. A similar error was made for Quaternary intrusive rock units on the Gulkana part of the map, where units labeled Qi, Qvd, Qds, and Qtva should have all been labeled QT_i to match the text. Each of these units is individually described in the digital database on the CD-ROM also. For digital use, these labeling errors can be corrected in the Arc "lookup table" included on the CD-ROM as an Arc export file named "nsakey.lut.e00".

Healy quadrangle

In the Healy quadrangle, the unit labeled "Trk" in the southwest corner of the quadrangle should have been labeled "Trlb." Also, for CD-ROM users, this unit is mis-coded in the coverage for the Healy quadrangle. As released it had an NSACCLASS of 4020 and a CLASS of 4021, both should have been set equal to 4021.

Kateel River quadrangle

In the eastern Kateel River quadrangle, the two large and southernmost polygons labeled and colored as Tvb should instead be shown as unit Kve (NSACCLASS should be 2330 rather than 1081).

Lime Hills quadrangle

The north central portion of the Lime Hills quadrangle (approximately D-3 and D-4 1:63,360-scale quadrangles) has a number of digitizing errors where the two source maps for the quadrangle (Gamble and Reed, unpublished mapping, 1988, Bundtzen, unpublished mapping, 1998) were joined. These errors affect the distribution of a number of geologic units in a manner difficult to describe; a means to provide the corrections is being developed.

In the west central part of the map, the polygon labeled "PMI" should have been labeled Jdm and no overprint pattern should have been shown. The polygon to the north of this, north of the Swift River that is partially shown in the color of unit "JDm", should have been labeled "PMI" and shown with an overprint pattern.

A number (6) of very small polygons in the digital coverage were also not attributed.

Mount Hayes quadrangle

A number of corrections were made to the Mount Hayes digital files, some of which show up on the printed map. In various parts of the map, glacial boundaries accidentally coded as ARC-CODE = 2 were recoded to ARC-CODE = 15. Also, directions of a number of arcs (lines) representing thrust faults were flipped so that the teeth will point in the correct direction when plotted. Additionally, arc-codes throughout the map were changed from ARC-CODE = 2 to ARC-CODE = 1 and normal and thrust fault coding was changed from codes indicating approximate to certain locations to reflect the source map. Unnecessary dangling arcs and pseudo nodes were removed. Concealed contacts, including faults, not previously digitized were added and minor changes to polygon attributes were made where inclusion of concealed contacts indicated mistaken coding.

Changes have been significant enough, that a revised coverage for the quadrangle should be obtained from the authors.

McGrath quadrangle

On the northern edge of the quadrangle (about 1/4 of the way from the west edge of the quadrangle), all polygons labeled and colored as unit Dml should have been colored and labeled as unit DSwc, the Whirlwind Creek Formation and correlative units.

In the west central part of the quadrangle, most of the units labeled and colored as unit Ont should instead have been labeled and colored as unit SCpl, the Post River Sandstone and Lyman Hills Formation and correlative units.

Ophir quadrangle

In the northeast part of the Ophir quadrangle, a number of polygons were mis-coded, using units that either should not have been shown in this quadrangle or were simply in error. All polygons colored and shown as unit Mzsa, should have been colored and shown as unit TrMica. In the same general vicinity, polygons colored and shown as unit Kme, should have been colored and shown as unit TrMis. In addition, the boundary between these mis-coded TrMis polygons and the adjacent unit, TrMica, should have been a thrust fault, with the TrMica rocks comprising the lower plate. Also in the northeast part of the quadrangle, approximately located faults should have been shown as concealed where they cross the Quaternary unit (Qs).

Talkeetna Mountains quadrangle

In the Talkeetna Mountains quadrangle, sheet 1 shows a unit "Pa", this should have been labeled unit "Ppaskm", Marble, part of the Skolai Group. Also this unit, Ppaskm, and unit Pe, the Eagle Creek Formation, inadvertently share the same color and overprint pattern on the map. Virtually all of the areas shown using the blue color of the Skolai Group and having the horizontal line overprint in the Talkeetna Mountains quadrangle are assigned to unit Ppaskm, except for the area labeled "Pe" and a number of small areas to the immediate northeast of this. Outside of the Talkeetna Mountains quadrangle, areas showing the blue color of the Skolai Group and a horizontal line overprint pattern are almost exclusively unit Pe, the Eagle Creek Formation.

Tyonek quadrangle

Numerous errors have been discovered in the Tyonek quadrangle and database. Most corrections are listed in the table below. However, a significant problem exists concerning units in the southwest corner of the quadrangle. Shown on Reed and Elliott (1970) as either unmapped or Mzi, these units turned into TKg from an unknown source. A corrected coverage is being prepared.

CD-ROM

Geology of Central (Interior) Alaska U.S. Geological Survey Open-File Report 98-133a (CD-ROM)

In all quadrangles, NSAClass codes between 10,000 and 19,999 indicate the polygon is hydrothermally altered. For example, an NSAClass code of 12,115 would be attached to a polygon containing a hydrothermally altered variant of the unit having an NSAClass code of 2115. Similarly, units having NSAClass codes between 20,000 and 29,999 indicate contact metamorphism or hornfelsing of the "root" unit. Therefore a code of 29,320 would be attached to a polygon containing a contact metamorphosed variant of the unit having an NSAClass of 9320.

In the units data base (DB) or in the coverage file (COVERAGE), the following units are missing, miscoded, or in error:

Applicable to all or most quadrangles:

Where is error	Wrong NSAClass code	Correct NSAClass code	Source map unit	OFR98-133 map unit	Quad	Name and brief description
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DB		102	Water	Water	All	Never in data-base
DB		101	Glaciers	Glaciers	Most	Almost never in data-base
DB	105-299	100	Various	Qs	Most	Quaternary units were lumped for publication.

Anchorage quadrangle:

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	3633	5550	Jma	PPast	Amphibolite and quartz diorite
Coverage	100	1012	TJds	Thm	Single mislabeled polygon. Polygon - ID is 1408
DB and Coverage	3491	3490	Jgs	Jmu	Recoded to lump with similar unit

Big Delta quadrangle:

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	5510	8630	Pzs	PzZysa	Schist
Coverage	9320	9327	PzpCsq	PzZyqs	Schist and quartzite, however, unit is displayed correctly on printed map.
DB	9327 (CLASS 451)	8630	PzpCsq	PzZysa	Part of unit from source map assigned to this unit and part to above unit.

Circle quadrangle:

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
Coverage	1620	1602	TKf	TKgp	Felsic igneous rocks
Coverage	2812	2115	Kwcf	Kwcf	Wilber Creek flysch
DB	Missing	2115 (CLASS = 5500)	Kwcf	Kwcf	Wilber Creek flysch
Coverage	5130 (CLASS = 105)	100	Qsu	Qs	Undifferentiated silt, single polygon miscoded.
DB	5600	5020	PaMc	TRMts	Tozitna sequence sedimentary rocks.
DB	5470	8250	Pzug	MzZum	Ultramafic and mafic rocks and greenstone.
DB	5690	5980	Pzp	Jpsu	Serpentinized periodotite
Coverage	8450 (CLASS =	7710 CLASS should be 900	Old?	Oc	Livengood Dome Chert(?) (Unit is correct in DB)

	5000)				
DB	Missing (see NSACCLASS = 8300)	8310	PzpCa	Czwa	Argillite, grit, and quartzite in western part of quadrangle.
Coverage	8310 CLASS = 6500)	8450 (CLASS = 6500)	PzZm	MzZum	Gabbro and diorite (Unit missing from DB)
DB	8330	8000	ls	CZwl	Limestone, reassigned to Wickersham
DB	8330	8430	ls	ls	Limestone, unassigned
DB	8331	5020	ch	TRMts	Chert
DB	8331	6940	ch		Chert
DB	Missing	9320	PzpCq	PzZyqs	Quartzite and quartzitic schists
Coverage	Lumped in 9320	9324	PzpCq	PzZyqs	Calc-silicate and marble subunit of quartzite and quartzitic schist
DB	6966	6945	DSl	Ds	Limestone, dolomite, and shale
Coverage, polygon# 441	5980	9380	PzpCq	PzZyqs	Class should be 1600, source should be CI002
Coverage, polygon# 418	100	8630	PzpCs	PzZysa	Class should be 1300, source should be CI002
Coverage polygon# 56	5130	122	Qsu	Qsu	Class should be 105, source CI002
Coverage, polygon# 237	5130	121	Ql	Qfl	Class should be 107, source should be CI002

Fairbanks quadrangle:

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	CLASS = 600	5660	bc	Pzk	Unit subdivided, see entry for FB-9327 and BD-5660
DB	CLASS = 600	5662	bc	Pzkcq	Unit subdivided, see entry for FB-9327 and BD-5662
DB	CLASS = 600	8630	bc	PzZysa	Unit subdivided, see entry for FB-9327 and CI-8630
DB	CLASS = 600	6511	bc	MDt?	Unit subdivided, see entry for FB-9327 and CI-6511
DB	CLASS = 600	5666	bc	Pzsc	Unit subdivided, see entry for FB-9327 and MM-5666
DB	CLASS = 600	9322	bc	PzZaqs	Unit subdivided, see entry for FB-9327 and HE-9322

Gulkana quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	3633	5245	sqm	Jpaur	Schistose quartz monzonite; Metamorphic Complex of Gulkana River
DB	3633	5245	sqd	Jpaur	Schistose quartz diorite; Metamorphic Complex of Gulkana River
DB	3633	5245	sgd	Jpaur	Schistose granodiorite; Metamorphic Complex of Gulkana River
DB	3633	5245	shd	Jpaur	Schistose hornblende diorite; Metamorphic Complex of Gulkana River
DB	3633	5245	ag	Jpaur	Amphibolite gneiss; Metamorphic Complex of Gulkana River
DB and coverage	315	118	Qms	Qs	Mineral spring and mud volcano deposits
DB and coverage	112	124	Ql	--	Newly defined Glaciolacustrine deposits unit
DB and Coverage	5209	5920	mmp	PPast	Revised assignment
DB and coverage	5870	5871	PPf, PPp, PPg	Pmgi	Revised assignment

Healy quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1008	1012	Tvim	Thm	Mafic subvolcanic intrusive rocks
DB	1007	1011	Tvif	Thf	Felsic subvolcanic intrusive rocks
DB	1321	1300	Tgr	Tegr	Granitic rocks of Oligocene to Paleocene age
DB	4020	4021			
Map	--	7290, 7291	DSu, DSu?	Pzsc	Label should be Dms
DB	7243	7240	Dmf	Dyv	Felsic metavolcanic rocks
DB	7240	7242	Dy	Dy	Yanert Fork sequence (has a CLASS code of 7242)
DB	2410	2410, 2460, 2470	Kg	Kg	Granitic rocks; ages less than 85 Ma = 2460, ages 85-110 Ma = 2470, all others = 2410
DB	2820	2810	Kja	KJs	Argillite, chert, sandstone, and limestone of Csejtey and others (1992)

Coverage	4423	4420	Trbd	Trn	Basalt, diabase, and subordinate sedimentary rocks (CLASS = 4423)
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Iditarod quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1307	1300	Tp	Tegr	Porphyritic granodiorite
DB	1970	1985	Kkq	Kkn	Kuskokwim Group -- quartzose sandstone and siltstone
DB	2101	2020	Ks	Kme	Sandstone and siltstone
DB	2260	2270	Kit	Kvl	Iditarod Volcanics -- Tuff, volcanic breccia, altered andesitic to dacitic flows and volcanoclastic sandstone
DB	2260	2261	Kka	Kvl	Kuskokwim Group -- altered andesite flows, tuffs, and sills?
DB	2260	2261	Kkv	Kvl	Kuskokwim Group -- volcanic flow(s) and tuff
Coverage	11970 (CLASS = 1401)	21985	Kkq - hornfels	Kkn- hornfels	Kuskokwim Group -- quartzose sandstone and siltstone - hornfels
Coverage	11605	21605	Tkil - hornfels	Tkvi - hornfels	Iditarod Volcanics -- Andesitic to basaltic subaerial lava flows and mafic volcanic breccia - hornfels
Coverage	11970 (CLASS = 1402)	21970	Kks - hornfels	Kk - hornfels	Kuskokwim Group -- sandstone, siltstone, shale, and conglomerate - hornfels
Coverage	12260	22260	Kkt - hornfels	Kvl - hornfels	Kuskokwim Group -- volcanic tuff and agglomerate - hornfels

Kantishna River quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1600	1603	TKf	TKvr	Felsic extrusive rocks and tuff
DB	2820	2115	KJes, KJgs	Kwcf	Sandstone, quartzite, conglomerate, siltstone, and slaty shale
DB	5665	6956	Pzsl	DSls?	Schist, phyllite, limestone, and greenstone
DB	6956	8601	Pzl	PzZrqs	Limestone, dolomite, basaltic greenstone and chloritic schist
DB	CLASS = 7510	7710	Oc	Och	Chert and slaty shale
DB	7210	7710 or 8300	Dps	Och or CZw	Phyllite, slate, silicious siltstone, and

					argillite or Wickersham
DB	8410, 8420	8300	Cal	CZw	Argillite and slate or Quartzite, metasilstone, slate and grit
Coverage	8400	8300	Cqs? or OcsI?	CZw	Argillite and slate or Quartzite, metasilstone, slate and grit
DB	6511	6511		MDt?	Unit missing, see CI-6511 or MM-6510
DB	7710	6902	Dos	Dp	Shaly rocks, shown as CLASSES = 303 or 7210 (in part)

Kateel River quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
New data	1943	2021	Kn	Kme (Ks)	<i>A new correlation by W.W. Patton, Jr. (1999) suggests this unit should receive a NSACCLASS value of 2021.</i>
DB	2181	2181	Kgs	Kvm	Graywacke sandstone and mudstone -- massive volcanic conglomerate (wrong CLASS, was 200, should be 202)
DB	Missing	2117	Kgs	Kgw	Graywacke sandstone and mudstone (CLASS = 200). <i>NOTE: Work post-dating publication of map shows that this unit should receive a NSACCLASS value of 2152.</i>
DB	Missing/ 2330 (CLASS = 801)	1081	KJv	Tvb	Roundabout Mountain volcanic field
Coverage	1081	2330	KJv	Kve	Two southernmost Tvb polygons should be coded as Kve.
New data	2152	2180	Kgm	Kmm	<i>A new correlation by W.W. Patton, Jr. (1999) suggests this unit should receive a NSACCLASS value of 2180.</i>
DB	Missing	2105	Knm	Kvgm	Undifferentiated sedimentary rocks (eastern exposures). <i>NOTE: Work post-dating publication of map shows that this unit should receive a NSACCLASS value of 2180.</i>

Lime Hills quadrangle *Note: All polygons that should have shown a source of LH003 (Reed and Gamble, 1988) or LH004 (Bundtzen, unpublished data, 1998) have blanks in the source field. For the most part, LH004 can be considered the source for these polygons as virtually all LH003 sourced polygons were revised based on LH004.*

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
Coverage	0	7580	?	SCpl	Polygon-ID = 40, CLASS = 7582.

DB	Missing	640	Tcb	Tcb	Tertiary coal-bearing sedimentary rocks
DB	0	1290	Tmpb	Toegr	
Coverage	Missing	1004	Tb	Tb	Basalt flows in LH C-5 1:63,360 quadrangle.
DB	1300	None	Tiu	Tegr	Unit does not appear on map.
DB	1320 (CLASS = 133)	None	--	Tpgr	Unit does not appear on map.
DB	2825	2850	JKw	KJs	Unit does not appear on map.
DB	4210	4215	Trb	JTrtv	Unit description revised from later source
DB	4910, 4920	5220	Mzv, Mzu	JPzk	Unit description revised from better source
DB	5120	5180	MzPzi	MzPzi	Unit description revised from later and better source
DB	6630, 6640	None	Sa, Ss	--	Later source removes units.
DB	6932	6931	Udl	DSml	Unit description revised from later and better source
DB	6951	7580	Sols	SCpl	Unit description revised from later and better source
DB	Missing	7580	Ocls	SCpl	Lime-rich part of Lyman Hills Formation

Livengood quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1330	1320	Tgp	Tpgr	Peraluminous granite of Cache Mtn. pluton
DB	1360	1350	Tm	Thgd	Tertiary monzonite(?) or monzodiorite(?), CLASS = 255
DB	6521	6521	Mog	Mdyao	Augen gneiss and schist, description was missing from data-base
DB	6910	6910	Dt	Dtr	Troublesome unit, description was missing from data-base
DB	9310	8410	Zwg	Zwg	Late Proterozoic Wickersham grit

McGrath quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
Coverage	840 (CLASS	500	Tcl	Tsu	Limestone conglomerate

	= 215)				
Coverage	620 (CLASS = 200)	500	Tef	Tsu	Felsite Conglomerate
Coverage	840 (CLASS = 210)	500	Ts	Tsu	Sandstone and shale
Coverage	840 (CLASS = 606)	500	Tclg	Tsu	Nonmarine sedimentary rocks
DB	1000	1081	Tva	Tvb	Andesite flows and lapilli tuff
DB	1000	1081	Tvvd	Tvb	Vent facies dacite
DB	1000	1081	Tvlr	Tvb	Lapilli rhyodacite
DB	1000	1081	Tvgt	Tvb	Green tuff
DB	1000	1081	Tvl	Tvb	Lahar deposits
DB	1000	1081	Tvf	Tvb	Felsic tuff and flows
DB	1000	1081	Tvm	Tvb	Basalt and basaltic andesite
DB	1070	1081	Tvld	Tvb	Lapilli tuff
DB	1100	1081	Tvt	Tvb	Intermediate to felsic air-fall tuff
DB	1100	1081	Tvab	Tvb	Andesite breccia
DB	5600	5545	uPzc	PMpc	Phyllitic chert and siliceous phyllite
Coverage	Missing (CLASS = 385)	6660	mSvs	Stc	Terra Cotta Mountains Sandstone; phyllite, volcanoclastic sandstone and chert. Single outcrop was lumped with unit uSsl (shown as Stc also).
Coverage	6660	7580	lSl	SCpl	Post River Sandstone; boundary limestone
DB	6960 (CLASS = 619)	6931	mDl	Dml	Cheeneetnuk limestone
Coverage	6931 (CLASS = 620 and 6960)	6960	SDlw	DSwc	Whirlwind Creek Formation (limestone and dolomite)
Coverage	7520 (CLASS = 639)	7580	Ocls	SCpl	Lyman Hills Formation, Silty limestone and shale
DB	7910 (CLASS = 631)	7520	Ocm	Ont	Banded mudstone
DB	7910 (CLASS = 634)	7580	Clm	SCpl	Limey, striped mudstone and siltstone
DB	Missing	7520 (CLASS = 630)	Ocl	Ont	Unit not described, consists of single polygon in coverage northwest of Tertiary coal-bearing sedimentary

					rocks.
Coverage, polygon# 938	99	99	bu	bu	Class should be 1, source should be MG003
Coverage, polygon# 1013	99	99	bu	bu	Class should be 1, source should be MG003
Coverage, polygon#	100	99	bu	bu	Class should be 1, source should be MG003
Coverage, polygon#	100	99	bu	bu	Class should be 1, source should be MG003

Medfra quadrangle *Note, virtually all class codes are missing or incorrect in the data base for Medfra.*

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	6080	6080	PMc	TrMica	Mislabeled in DB as TPMc
DB	6320	6320	PMcl	MDl	Mislabeled in DB as TPMcl
Coverage	1600 (CLASS = 209)	1510	TKsc	TKcg	Conglomerate, sandstone, and lignite
DB	Missing	1660 (CLASS = 1660)	TKm	TKm	Diorite, monzonite, and quartz syenite (Bundtzen and others, 1997)
DB	1941	1985	Ksc	Kkn	Sandstone and conglomerate
DB	1985 (CLASS = 303)	1940	Kss	Kk	Fine sandstone, siltstone, and shale
DB	Missing (CLASS = 2180)	2180	Kcvs /Kcs	Kvm	Coarse-grained volcanoclastic sandstone and conglomerate (Bundtzen and others, 1997)
DB	Missing (CLASS = 3851)	3851	JTrt; JTrma	JTrta	Siliceous tuff, crystal and lithic tuffs, and metasilstone and Mafic volcanic breccia, tuff, siltstone, chert, and agglomerate (Bundtzen and others, 1997)
DB	Missing (CLASS = 5021)	5021	TrMv; TrMes	TrMis	Mafic tuff, volcanoclastic sandstone, and minor mafic flows and Calcareous, lithic pebble sandstone (Bundtzen and others, 1997)
DB	Missing (CLASS = 6080)	6080	TrMc	TrMica	Banded chert and argillite (Bundtzen and others, 1997)
DB	Missing (CLASS = 8601)	8601	PzpCs	PzZrqs	Greenschist and quartz mica schist (Bundtzen and others, 1997)

DB	8630	8640	PzpCp	Yzns	Pelitic schist
DB	8640 (CLASS = 601)	8300	PzpCq	CZw	Quartzite, grit, and argillite

Melozitna quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	9325	8801	PzpCn	PzZrpg	Gneiss and quartzite
DB	8640	8803	PzpCq	PzZrpg	Quartzite
DB	Missing	6522	Km	MDrao	Part of Melozitna pluton now recognized as augen orthogneiss on basis of Roeske and others (1995)

Mount Hayes quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	510	500	Tsc	Tsu	Sandstone and conglomerate
DB	911	910	Tsju	Tjc	Sedimentary rocks of Jarvis Creek coal field -- Upper member
DB	912	910	Tsjm	Tjc	Sedimentary rocks of Jarvis Creek coal field -- Middle member
DB	913	910	Tsjl	Tjc	Sedimentary rocks of Jarvis Creek coal field -- Lower member
DB	1100	1140	Tv	Tev	Volcanic rocks
Coverage	1270	1290	grsg	Toegr	Granite of Susitna Glacier. CLASS should = 1276 and NSACCLASS = 1290
DB	1332	1320	grgr	Tpgr	Granite of Gerstle River
DB	1660	1660	md	TKm	Monzonite and diorite. CLASS should = 1661
DB	1660	1660	grn2	TKm	Granitic unit 2. CLASS should = 1660
DB	2480	2440	gbm	Kmum	Gabbro of Mount Moffit
DB	2815	2600	ag	Kmi	Metamorphosed granitic rocks
DB	CLASS = 2900	2900	grs1	KJg	Granitic unit 1
DB	CLASS = 2905	2900	grs2	KJg	Granitic unit 2
DB	CLASS = 2910	2900	grs3	KJg	Granitic unit 3
DB	5660	7320	jcv	Pzsc	Fine-grained schistose metavolcanic

					rocks and metasedimentary rocks
Coverage	6520	6521	lga	MDyao	Augen gneiss and schist
DB	7400 (CLASS = 7403)	8630	lgs	PzZysa	Pelitic schist and quartzite
DB	7400 (CLASS = 7401)	9322	jcs	PzZaqs	Fine-grained metasedimentary rocks
DB	9322 (CLASS = 7400)	8630	ms	PzZysa	Metamorphosed pelitic, calcareous, and quartz-feldspar sedimentary rocks

Mount McKinley quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1300 (CLASS = 1305, 1306, 1307, 1308, 1309)	1292	Tgr	Toem	Tertiary granitic rocks
Coverage	1650	1650	gr	Tki	Granitic rocks of uncertain composition and age (CLASS should = 1599, not 1650)
Coverage	4020	4021	Trlb	Trlb	Limestone and basalt sequence
DB	5370	5310	Pzc	DCd	Chert and phyllite
DB	6931 (CLASS = 6971)	6615	DOls	DSmdl	Sedimentary sequence, limestone interbeds
Coverage	7290	7290	DSu	Pzsc	Sedimentary rocks, undifferentiated (CLASS should = 7290, not 7300)
Coverage	7291	7291	Dsu?	Pzsc?	Sedimentary rocks, undifferentiated(?) (CLASS should = 7291, not 7301)
Coverage	7710	7710	DOc	Oc	Chert and slate (CLASS should = 7550 not 7210)
DB	8640	8300	PzpCq	CZw	Quartzite, grit, and argillite
DB	8641	8300	PzpCs	CZw	Sheared grit, quartzite, and quartz-mica schist
DB	9322 (CLASS should = 8633)	8633	PzpCp	PzZaqs	Pelitic and quartzose schist sequence (Was shown in coverage CLASS = 8631)
DB	Missing (CLASS = 8631)	8300	PzpCp?	CZw	Pelitic and quartzose schist sequence on northern part of map.

DB	Missing (CLASS = 8630)	8300	PzpCp	CZw	Pelitic and quartzose schist sequence, single polygon on northeast part of map.
Coverage, polygon# 1169		6615			Class should be 6972, source should MM002. Bounding arc should be coded ARC-CODE = 1

Nulato quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1101	1000	Tr	Tvu	Rhyolite and dacite flows and shallow intrusive bodies.
DB	1103	1000	Ta	Tvu	Andesite and basalt flows.
DB	1650	1655	TKi	TKg	Intrusive rocks (CLASS shown as 201 in DB, should be 1650).
DB	1655	1655	TKh	TKg	Small intrusive bodies of silicic and intermediate composition (CLASS shown as 202 in DB, should be 1655)
DB	1740	--	TKhs		Small intrusive bodies and thermally altered sedimentary rocks. Shown as hornfels host rock unit and TKg as appropriate.
DB	1940	1805	Ksu	Knb	Undifferentiated sedimentary rocks in northwest part of quadrangle. <i>NOTE: Work post-dating publication of map shows that this unit should receive a NSACCLASS value of 2021.</i>
DB	1940	2020	Ksu	Kme	Undifferentiated sedimentary rocks in northwest part of quadrangle.
DB	2101	2101	Km	Ksse	Marine sedimentary rocks. Part of unit north of Kaltag fault assigned to unit Kvgm, NSACCLASS = 2105. (CLASS shown as 302, should be 2101).
DB	2115	2105	Kg	Kvgm	Graywacke and mudstone turbidite deposits. (CLASS shown as 304, should be 2105). <i>NOTE: Work post-dating publication of map shows that this unit should receive a NSACCLASS value of 2180.</i>
DB	Missing (CLASS = 2115)	2117	Kg	Kgw	Part of unit Kg in extreme northwest corner of quadrangle reassigned to unit Kgw. <i>NOTE: Work post-dating publication of map shows that this unit should receive a NSACCLASS value of 2180.</i>
DB	2330	2330	Kv	Kve	Andesite volcanic rocks. Also includes

					one polygon having CLASS = 1940, having been reassigned from source map. (CLASS shown as 305, should be 2220)
DB	5133	5130	TrMb	JTrtmu	Basalt, gabbro, diabase, tuff, and chert. (CLASS shown as 500, should be 5133).
DB	Missing (CLASS = 5130)	5140	TrMb (part)	Jmab	Basalt, gabbro, diabase, tuff, and chert. Part of unit reassigned in southwest part of quadrangle.

Ophir quadrangle

In the northeast part of the Ophir quadrangle, a number of polygons were mis-coded, using units that either should not have been shown in this quadrangle or were simply in error. All polygons colored and shown as unit Mzsa, should have been colored and shown as unit TrMica. In the same general vicinity, polygons colored and shown as unit Kme, should have been colored and shown as unit TrMis. In addition, the boundary between these mis-coded TrMis polygons and the adjacent unit, TrMica, should have been a thrust fault, with the TrMica rocks comprising the lower plate. Also in the northeast part of the quadrangle, approximately located faults should have been shown as concealed where they cross the Quaternary unit (Qs).

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	Missing	1600	TKva	TKv	Basaltic andesite, basalt, and lapilli tuff (SOURCE = OP003, CLASS = 1600).
DB	1632	1630	TKc	Tkiv	Mafic to intermediate volcano-plutonic complexes
DB	1908 CLASS = 510	2180	Kvg	Kvm	Volcanic graywacke and conglomerate.
DB	1940 CLASS = 502	1970	Ku	Kk	Undifferentiated clastic rocks.
DB	1941 CLASS = 503	1985	Ksc	Kkn	Sandstone and conglomerate.
DB	1985 CLASS = 504	1970	Kss	Kk	Fine sandstone, siltstone, and shale.
DB	2010 CLASS = 501	2020	Ks	Kme	Sandstone, shale, and conglomerate.
DB	Missing	2180	Kcvs /Kcs	Kvm	Coarse-grained volcanoclastic sandstone and conglomerate (SOURCE = OP003, CLASS = 2180).
DB	3395	3498	Ju	Jtu	Ultramafic rocks.
DB	Missing	3851	JTrt; Jtrma	Jtrta	Siliceous tuff, crystal and lithic tuffs, and metasilstone and Mafic volcanic breccia, tuff, siltstone, chert, and agglomerate (SOURCE = OP003, CLASS = 3851).
DB	Missing	5021	TrMv; TrMcS	TrMis	Mafic tuff, volcanoclastic sandstone, and minor mafic flows and Calcareous,

					lithic pebble sandstone (SOURCE = OP003, CLASS = 5021).
Coverage	2021	5021	TrMcS	TrMis	Calcareous, lithic pebble sandstone (CLASS = 2021).
Coverage	6080	5112	TrMc	TrMica	Chert, argillite, and volcanoclastic rocks (CLASS should be = 602, SOURCE = OP002).
Coverage	6080	5112	TrMc	TrMica	Banded chert and argillite (CLASS should be = 6080, SOURCE = OP003).
Coverage	5205	5112	TrMc	TrMica	Banded chert and argillite (CLASS should be = 6080, SOURCE = OP003).
DB	Missing	5542	PzpCs	TrMtp	Polygons at north edge of map were recorelated based on information from W.W. Patton, Jr. (written commun., 1998).
DB	8625	8601	PzpCs	PzZrqs	Schistose metamorphic rocks.
DB	99	8601	PzpCs or TrMc	PzZrqs	Uncertain assignment on source map

Ruby quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1600	1603	Tke	TKvr	Extrusive rocks
Coverage	1605	1605	TKv	Tkvi	CLASS should equal 120
Coverage	1650	1655	TKg	TKg	Granite
DB	1810	5745 or 6390	Kc	--	Chert and argillite
DB	2410 CLASS = 2410	1655	Kg	TKg	Granitic rocks (1 pluton on northwestern edge of quadrangle), age reassigned based on newer adjoining Nulato map data
DB	Missing	2460	Kg	Kg	Missing from DB as well as legend of source map. Age is inferred.
DB	Missing	2530	Kg	Kg	Quartz monzonite in Kokrines Hills, part of the Melozitna pluton, apparent age 111 Ma.
DB (missing) or Coverage ?	4210			Trn	Small polygon in southeast part of map. So far we have not been able to determine where this came from and if it is correct. It is not in the data base for this quadrangle at all.
DB	5255	9325	ira	PzZrqs	Metamorphosed intrusive rocks
DB	6225	5133	mi	Jmtu	Metamorphic igneous rock
DB	8601	8801	PzpCsg	Zg	Pelitic schist and gneiss

	(CLASS = 119)				
DB	8602 (CLASS = 501)	8625	mc	PzZm	Metamorphic complex
DB	8630	8801	PzpCg	Zg	Gneissic rocks
DB	Missing	7580		SCpl	Copy Medfra unit 7580 for unit, which was newly added to Ruby quadrangle map.
DB	Missing	8710	pCm	Ynqd	Meta-quartz-diorite (see map text)

Talkeetna quadrangle

A single polygon in the northwest part of the coverage has a CLASS code of 251 and an NSACCLASS code of 9322. The correct CLASS code should be 401.

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	601	600	Ttc	Tty	Members of the Tyonek Formation lumped on compilation.
DB	602	600	Tts	Tty	Members of the Tyonek Formation lumped on compilation.
DB	645	640	Tc	Teb	Coal-bearing rocks
DB	1306	1292	Tf	Toem	Foraker pluton
DB	1332	1320	Tmt	Tpgr	Tonzona pluton
DB	1333	1320	Tmc	Tpgr	McKinley Sequence -- Cathedral pluton
DB	1334	1320	Tmk	Tpgr	McKinley Sequence -- Kahiltna pluton
DB	1335	1320	Tm	Tpgr	McKinley Sequence -- McKinley pluton
DB	1336	1320	Tmr	Tpgr	McKinley Sequence -- Ruth pluton
DB	1341	1320	Tep	Tpgr	Composite plutons
DB	1601	1650	TKi	TKi	Undivided intrusive rocks, dikes generally not shown on map.
DB	Missing	3140	Part of KJs	Jtxc	Part of unit KJs correlated with the Chinitna Formation and Tuxedni Group, undivided.
DB	Missing	3210	Part KJs	JTrta	These polygons correlated with Tatina River volcanics, upper member.
DB	5110	4235	JTrvs	JTrct	Chulitna sequence -- Volcanic and sedimentary rocks
Coverage	Missing	5370	Pzp	JCmd	Polygon of unit Pzp from source was missing, having been lumped with Pzus. (CLASS = 430)
DB	6931	6615	DI	DSmdl	Limestone

DB	7550	7580	Oc	SCpl	Chert and shale
DB	8633	9322	Pzsv	PzZaqs	Quartzite, semischist, and metavolcanic rocks

Talkeetna Mountains quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	1007	1011	Tif	Thf	Hyabyssal Felsic Intrusives
DB	1008	1012	Tim	Thm	Hyabyssal Mafic Intrusives
DB	1306	1300	Tgd	Tegr	Granodiorite
DB	1345	1320	Tbgd	Tpgr	Biotite Granodiorite
DB	1350	1320	Thgd	Tpgr	Biotite-Hornblende Granodiorite
DB	1650 (CLASS = 112)	1655	TKif	TKg	Felsite and fine grained granite plugs
DB	1650 (CLASS = 113)	1655	TKir	TKg	This unit is though to be a typographical error on the source map.
DB	1655 (CLASS 300)	1660	TKgr	TKm	Granitic rocks undivided
Coverage	1655	1660	TKt	TKm	Tonalite
DB and Coverage	NSA = 2115 in DB, CLASS 510 in Coverage	5210	Kag	Mzpc	Argillite and lithic graywacke
DB	2470	2540	Kgd-f	Kg	Thought to be Early Cretaceous, rather Late Cretaceous
DB	2900	3402	KJgd, KJgn		Granodiorite
DB	3622, 3631	5955	Jmrb, Jmb	PPaskm	Marble
DB	3632	5641	Jgs	PPast	Greenstone
DB	3633	5550	Jam	PPast	Amphibolite
DB	5203	5920	uPzas	PPast	Pelitic and mafic metavolcanic schist and amphibolite
DB	5209	5950	uPzsl	Pe	Metapelites, mainly dark slate and phyllites
DB	5630	6120	lPzmsv	Pat	Sheared mafic volcanic rocks
DB	5641	5550	uPzsv	PPast	Mafic metabasalts, metaandesites, agglomerates, minor impure carbonates and pelitic semischists

DB	5735	5955	ulPla	PPaskm	Impure somewhat recrystallized siliceous bioclastic limestone, chert and minor quartzite
DB	5735	5955	lPls	PPaskm	Silicious bioclastic limestone and argillite
DB	5860	5245	Mzms	JPaur	Diorite, gabbro, picrite, and pyroxenite sill and dike swarm complex
DB	6120	5630	Pzv	PPasc	Basaltic to andesitic metavolcanic rocks
DB	6120	5630	Pvt	PPasc	Meta-andesite flows, tuff, and metasandstone
DB	25209	25550	uPzsvh	PPast	Hornfelsed mafic metabasalts, metaandesites, agglomerates, minor impure carbonates and pelitic semischists
DB	25735	4030	Tsk	JTrlm	Skarn formed adjacent to Tkif

Tanana quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	2815	2105, CLASS should be 2105 in DB	KJcs	Kvgm	Clastic sedimentary rocks (source: Chapman and others, 1982)
DB	2475	2410	Kg	Kg	Ray Mountains pluton and part of another large pluton at north central edge of quadrangle.
DB	2480	2460	TKg	Kg	Granitic rocks of uncertain composition, texture, and age
DB	2475	2470	Kg	Kg	Granitic rocks, not including Ray Mtns.
DB	2475	2530	Kg	Kg	Melozitna pluton (CLASS = 2471)
DB	5132	5020	JMr	TrMts	Rampart Group volcanic and sedimentary rock sequence
DB	5131	5130	JMr	JTrtmu	Rampart Group mafic rocks unit, description missing in data-base CLASS = 5133
DB	3495	5190	Jsc	MzZum	Serpentinite of unit Jsc
DB	3495	4340	Jsc	Trc	Carbonatite of unit Jsc
Coverage	7712	7710	Pzlc	Och	Livengood Dome chert
DB	8800	8801	PzpCqg?	Zg	Quartzofeldspathic orthogneiss

DB	8640	9325	Pzq	PzZrqs	Quartzite
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Tyonek quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
DB	missing	305	Hv	Hv	Holocene volcanic rocks
DB	missing	310	Qpd	Qpd	Pyroclastic (ash and debris flow) deposits
DB	missing	312	Qdf	Qdf	Debris flow deposits
DB	missing	401	Hvcp	Qvd	Dacitic to rhyolitic domes
DB	540	Not in quadrangle	--	--	Sterling Formation
DB	560	600	Tk	Tkt	Class 163, source TK004, unit assigned to Tyonek Formation on map
Coverage	600	600	Tkt	Tkt	The 2 northeasternmost polygons should have class codes of 106 and source codes of TY002
DB	630	Not in quadrangle	--	--	Tyonek Formation and Hemlock Conglomerate (undivided)
DB	670	Not in quadrangle	--	--	Tsadaka Formation
DB	850	Not in quadrangle	--	--	Conglomerate, sandstone, and siltstone near Copper Lake (Copper Lake Formation)
DB	870	Not in quadrangle	--	--	Wishbone Formation
DB	890	Not in quadrangle	--	--	Arkose Ridge Formation
DB	900	Not in quadrangle	--	--	Chickaloon Formation
DB	1000	1000	Tvs, Thi	Tvu	Tertiary volcanic rocks. Missing in DB
DB	1200	Not in quadrangle	--	--	Dikes, sills, and stock-like masses of felsic to mafic composition
DB	1650	1300	TKi	Tegr	Class 139, source TY003
DB	1300	1320	Tg	Tpgr	Class 160, source TY004
Coverage	1650	1655	TKil	TKg	Class 141, source TY003
DB	missing	1665	TKqd, TKqd1, TKqd2	TKqd	Class 183-185, source TY005
DB	Missing	1670	TKm	TKgb	Class 153, source TY005
DB	1800	2850	Ks	KJf	Class 161, source TY004

DB	1955	Not in quadrangle	--	--	Kaguyak Formation
DB	2010	Not in quadrangle	--	--	Matanuska Formation
DB	2150	Not in quadrangle	--	--	Clastic sedimentary rocks (Herendeen Formation)
DB	2190	Not in quadrangle	--	--	McHugh Complex
Coverage	1650, 4920	2530	Kg	eKg	Polygons mis-labelled in area north of Chakachamma Lake as shown on Magoon and others (1976, source TY002). Correct class code is 116
DB	2700	Not in quadrangle	--	--	Valdez Group
DB	2825	2850	Kw	KJf	Class 135
Coverage	2850	2850	Km	KJf	Class 136, source TY003. Polygons mis-coded as class 161 although source is correct for all but 1 polygon.
DB	3010	Not in quadrangle	--	--	Naknek Formation
DB	3030	Not in quadrangle	--	--	Chinitna Formation
DB	3180	Not in quadrangle	--	--	Tuxedni Formation
DB	3401, 3402	Not in quadrangle	--	--	Alaska-Aleutian Range batholith
DB	3495	Not in quadrangle	--	--	Ultramafic and mafic rocks
DB	3700	Not in quadrangle	--	--	Schist at Willow Creek
DB	4020	Not in quadrangle	--	--	Kamishak Formation
DB	4025	Not in quadrangle	--	--	Limestone and fine-grained tuff
DB	4035	Not in quadrangle	--	--	Chert and some greenstone
DB	4040	Not in quadrangle	--	--	Limestone of Briun Bay
DB	4425	Not in quadrangle	--	--	Mafic rocks
Coverage	1655	4800, 4880			Unassigned intrusive rocks in southwest part of quadrangle.
DB	5180	Not in quadrangle	--	--	Gabbroic rocks

DB	5190	Not in quadrangle	--	--	Ultramafic rocks
DB	5220	Not in quadrangle	--	--	Metamorphic rocks (undivided)

Valdez quadrangle

Where is error	Wrong NSACCLASS code	Correct NSACCLASS code	Source map unit	OFR98-133 map unit	Name and brief description
Coverage	950	952	Toc	Toc	Class code 952, Conglomerate of the Orca Group.
DB	1007	1011	Tif	Thf	Felsic to intermediate hypabyssal intrusive rocks
DB	1012	None	--	--	Unit listed in error.
Coverage	1710	1790	TKm	TKmx	Orca Group melange
DB	2600	5245	Kag	JPaur	Class code 2601 deleted and changed to 5245. Uranatina Metaplutonic Complex
DB	2600	2700	Khc	Kvs	Haley Creek terrane deleted and lumped with Valdez Group.
DB	3120	2110	Js	Kbc	
Coverage	2110	2110	Js	Kbc	Class code should be 3120 for 4 polygons in northeast part of quadrangle.
Coverage	3346	3340	Jlg	Jmu	Layered quartz gabbro
DB and Coverage	3345	3340	Ju	Jmu	Ultramafic rocks
DB	3405	3480	Jmp	Jmu	Mafic plutonic complex
DB	3545	3340	Jum	Jmu	Ultramafic rocks
DB	3821	3820	JTrm	JTrmc	McCarthy Formation
Coverage	5245	3340	Jlg	Jmu	Layered quartz gabbro, class code 3340
Coverage	5630	6220	Pzs	Pzskg	Skolai Group -- greenstone unit
Coverage	5920	5920	Ja	PPast	Westernmost polygons of this unit should have class code 5921
DB	5920	5920	Psm	PPast	Class code should be 5920

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