GSA Data Repository Item 2011022

Petterson et al., 2011, The Neoproterozoic Noonday Formation, Death Valley region, California: Geological Society of America Bulletin, v. 123.

MEASURED SECTIONS

Wildrose Canyon

Measured in two parts in the charcoal kilns area along the Wildrose Canyon Road, sec. 27 and western part of sec. 26, T19S, R45E. Section begins at 36°14'55.42"N, 117° 5'10.95"W and ends at 36°15'12.90"N, 117° 4'25.32"W (see Figure DR1 for locations).

[Measured by R. Petterson, A. Prave, and B. Wernicke, 1/15/03]

Johnnie Formation (40+ m, incomplete)

18. Metasiltstone, medium bluish gray (5B5/1), greenish gray (5GY6/1) or, where carbonate cement present, yellowish gray (10YR7/6) weathering, laminated to thin bedded with normal grading.

Cataclastic zone observed between units 17 and 18, probable fault.

Noonday Formation (352 m):
Mahogany Flats Member (180 m):

17. Sandy dolostone marble (>90%) and metasandstone (<10%), both very light gray to white (N8 to N9), very pale orange (10YR8/2) to grayish orange (10YR7/4) weathering, sand is fine to medium grained; decimeter-scale microbial mounds separated by variably siliceous, cross-stratified intermound fill (80 m).

16. Dolostone marble, similar to unit 14, except lower 6 m exhibits parallel-laminated boundstone with laterally-linked heads (LLH); oolites observed in middle of unit; upper half of unit contains mound structures similar to unit 14, but in contrast to unit 14 also includes abundant parallel-laminated boundstone with sheet cracks filled with sparry dolomite (50 m).

15. Metasandstone and metasiltstone, moderate orange pink (10R7/4), moderate reddish orange weathering (10R6/6), or where carbonate cement is present very pale orange (10YR8/2), grayish orange (10YR7/4) weathering; thin bedded alternating fine sand and silt, hummocky cross-stratified; at km scale, unit pinches out to the north such that units 16 and 14 are in contact (5 m).

14. Dolostone marble, medium light gray (N6), light gray (N7) to very pale orange (10YR8/2) weathering, secondarily recrystallized, thick bedded (> 1m), unit composed almost entirely of algal boundstone exhibiting mound structure at meter scale, perhaps as large as 10 m; laminations typically at high angle (up to 90°) to bedding; abundant vugs and stringers of filled with sparry dolomite cement; basal contact abrupt, bedding parallel algal laminite not observed at contact or elsewhere in unit (45 m).

Radcliff Member (163 m):

Upper Sub-member (44 m):

13. Metasiltstone and fine-grained metasandstone, light olive gray (5Y6/1) to greenish gray (5YR6/1), moderate brown (5YR4/4) to grayish red (5R4/2) weathering; silt and sand generally interlaminated, but some sand beds are up to 10 cm; sand content increases toward top of unit; hummocky cross-stratified; limestone breccia horizon occurs 5 m below base of unit (30 m).

12. Feldspathic metasandstone, white (N9) to grayish pink (5R8/2), variably weathers pale red (10R6/2), pale yellowish brown (10YR6/2), or light gray (N8), granular to medium grained with overall upward fining, medium to thick bedded, low-angle trough cross stratified, 100-m scale channelization both within the unit and into underlying unit; capped by dark yellowish orange (10YR6/6) weathering, 10 to 20 cm thick transgressive lag, in turn overlain by white (N9), grayish orange (10YR7/4) weathering ash horizon 1 to 2 m thick (5 to14 m)

Offset on unit 16 ~800 m N35W, so that overlying units, beginning at the base of unit 12, measured along the hiking trail from the charcoal kilns to Wildrose Peak, ~300 m N25W from the trailhead at the kilns (Figure DR1).

Middle Sub-member (127 m):

11. Metasandstone and metasiltstone, brownish gray (5YR4/1), olive gray (5Y5/1) weathering, laminated to thin bedded (9 m).

10. Limestone marble, yellowish gray (5Y8/1) to light gray (N7), very pale orange (10YR8/2) weathering, thin to medium bedded with dispersed quartz and feldspar medium to coarse sand, low-angle cross stratification (8 m).

9. Limestone marble, similar to unit 12 (36 m).

8. Metasandstone and metasiltstone, medium gray (N5), light olive gray (5Y5/2) weathering, alternating laminations of fine sand and silt (4 m).

7. Limestone marble, similar to unit 11 but with only sparse siliceous partings (20 m).

6. Limestone marble, pinkish gray (5YR8/1), grayish orange (10YR7/4) to pale yellowish orange (10YR8/6) weathering, micritic, laminated, contains mm to cm thick siliceous horizons (38 m).

5. Limestone marble, rhythmically alternating medium gray (N5), weathering the same color, and light gray (N8), pinkish gray (5YR8/1) to light brown (5YR6/4) weatherning laminations and thin beds; contains decimeter-thick beds of intraclastic breccia with clasts up to 10 cm in maximum dimension (8 m).

4. Metasandstone and metasiltstone, pale yellowish brown (10YR6/2), light brown (5YR6/4) weathering, rhythmic, parallel thin beds of alternating sand and silt, calcareous matrix (5 m) (figure Y).

Lower Sub-member (disconformably omitted)

Sentinel Peak Member (9 m):

3. Dolostone marble, very pale orange (10YR8/2), weathers same color, micritic, largely massive with abundant spar-filled sheet cracks and vugs; base is faintly laminated; top meter displays low-angle cross lamination defined by fine sand, with sharp, concordant contact with overlying unit (Figure Y)(9 m).

Kingston Peak Formation (39+ m, incomplete):
South Park Member (39+ m, incomplete):
Wildrose Diamictite Submember (0 to 2 m)

2. Metadiamictite; matrix brownish gray (5YR4/1), dark yellowish brown (10YR/2) weathering, fine to coarse grained massive feldspathic sand with calcareous matrix; clasts predominantly 5 to 6 cm cobbles of grayish orange (10YR7/4) to pale yellowish orange (10YR8/6) weathering limestone; unit is discontinuously preserved below disconformity with overlying unit (0 to 2 m).

Thorndike Limestone Submember (37 m):

1. Limestone marble, alternating (1) yellowish gray (5Y7/2), grayish yellow (5Y8/4) weathering, contains dispersed medium to coarse detrital quartz and feldspar grains, thick bedded with 2-5 cm siliceous horizons parallel to bedding; and (2) medium gray (N5), alternating laminations to thin beds weather light gray (N7) to white (N9), thin siliceous horizons containing fine sand and silt parallel bedding; top of unit contains decimeter-scale cross stratification developed in sand-rich (up to 50%) horizons.

Wood Canyon

Measured near the crest of the Panamint Range in a canyon on the east facing slope of Bald Peak, approximately 1 km NNE of the summit, near the head of Wood Canyon; section begins at 36°18'39.89"N, 117° 5'13.02"W and ends at 36°18'37.52"N, 117° 5'21.82"W.

[Measured by R. Petterson and B. Wernicke, 10/12/02]

Noonday Formation (136 m, incomplete)
Radcliff Member (125 m, incomplete)
Middle Submember (125 m, incomplete)

9. Limestone, similar to upper part of unit 7 (9 m).

8. Sandstone, pale red (10R6/2), weathers same, medium-grained to granular, massive (1 m).

7. Limestone, very pale orange (10YR8/2), micritic, medium bedded, upper 2 meters contains laminations with siliceous partings; intraformational breccia occurs 5 meters from base of unit (17 m).

6. Limestone, light to very light gray (N7 to N8.5), micritic, laminated (2 m).

5. Limestone (70%) and sandstone (30%), interstratified at cm-scale; Limestone very pale orange (10YR8/2), weathers pale yellowish orange (10YR8/6), generally micritic, mostly thin-bedded with some beds up to 50 cm; sandstone medium dark gray (N4), weathers same, fine-grained, thin-bedded, intraformational breccias similar to unit 4 occur at 10 m and 28 m above base of unit, proportion of limestone increases slightly upward; interstratification of limestone and sandstone is probably rhythmic; numerous ovoid alteration spots occur on bedding surfaces, ranging from 2 mm to 2 cm in maximum dimension (55 m).

4. Limestone, similar to limestone in unit 2, but 100% intraformational breccia (3 m).

3. Sandstone, medium gray (N5), weathers same to greenish gray (5GY6/1), fine grained, thin-bedded with clay-rich partings; bed internally laminated, but ripple marks occur on tops of some beds (5 m).

2. Sandstone and limestone; sandstone is dark greenish gray (5GY4/1), limestone is medium gray (N5), both weather grayish orange (10YR7/4) to pale yellowish orange (10YR8/6); weathering color is distinctive and dominates landscape; sandstone is fine grained, thin to medium beds are internally laminated; limestone medium to thick bedded, locally exhibiting intraformational breccias with clasts up to 10 cm. Lower part of unit largely obscured by talus (23 m).

Sentinel Peak Member (11 m)

1. Dolomicrite, white (N9), weathers same, or pale grayish orange (10YR7/2), very pale orange (10YR8/2) weathering, massive, locally laminated, lithographic; coarse sparry dolomite fills variably oriented, elongate vugs, locally defining crude cm-scale layering not necessarily parallel to bedding (11 m).

South Skidoo

Measured approximately 300 m west of Skidoo Road at 36°24'50.38"N, 117° 6'19.49"W. See Figure DR2 for location of section.

[Measured by R. Petterson, A. Prave, and B. Wernicke 1/12/03]

Noonday Formation (7 m, incomplete)
Sentinel Peak Member (7 m, incomplete)
2. Dolostone, very pale orange (10YR8/2) to very light gray (N8), weathers same, micritic; lower 2 m strongly laminated with some low-angle cross stratification; remainder of unit is medium to thick bedded and locally contains vertical tube structures, algal mounds and other algal features (7 m, incomplete).

Kingston Peak Formation
South Park Member
Wildrose Submember

1. Diamictite; matrix is micaceous sandstone, medium dark gray (N4) to dark gray (N3), weathers grayish brown (5YR4/2) to dark yellowish brown (10YR3/2), medium to coarse grained with carbonate cement, massive; clasts primarily include a distinctive pale yellowish orange (10YR8/6) to very pale orange (10YR8/2) limestone (approx. 50%), sandstone, gneiss, and granite. Clasts are primarily small pebbles to cobbles, but boulders with maximum dimension of a few decimeters are common; unit as a whole is massive and contains no trace of stratification (58 m).

North Skidoo
Measured on the crest of the Panamint Range, 4.2 km east of Skidoo town site, across peak 5979 on the Tucki Wash 1:24,000 quadrangle; section begins at 36°26'19.23"N, 117° 6'6.74"W *and ends at* 36°26'18.74"N, 117° 5'52.06"W. *See Figure DR3 for location of section.*

[Measured 5/12/01 by B. Wernicke, F. MacDonald, and K. Klein; and 1/13/03 by R. Petterson, A. Prave, and B. Wernicke]

Noonday Formation (266 m, incomplete)
Radcliff Member (211 m, incomplete)
Upper Submember (211 m, incomplete)

15. Limestone, as unit 10, except lower 10 m are very light gray (N8) to white (N9) on fresh and weathered surfaces (20 m).

14. Intraformational breccia, as unit 9 (0.5 m)

13. Limestone, as unit 10 (1 m).

12. Intraformational breccia, as unit 9 (13 m).

11. Siltstone, as unit 6 (1 m).

10. Limestone, medium gray (N5), medium light gray (N6) weathering, laminated, micritic, local siliceous partings (2 m).

9. Intraformational breccia, as unit 7, maximum clast dimensions <1 m (1 m).

8. Sandstone, grayish orange (10YR7/4), weathers same, coarse, well rounded, well sorted, dolomitic matrix, low-angle planar cross stratification (3 m).

7. Intraformational breccia, primarily limestone and dolostone intraclasts, varicolored gray and yellowish brown weathering, limestone clasts up to 2 m in maximum dimension; thickness in this unit and overlying units uncertain due possible tight folding (15 m).

6. Siltstone and conglomerate; siltstone, light brown (5YR5/6), weathers same to dark yellowish orange (10YR6/6), parallel laminated; conglomerate, clasts are dark gray (N3), yellowish orange (10YR7/6) to grayish orange (10YR7/4) weathering dolomicrite, poorly sorted pebbles to boulders, elongate, rounded, locally well imbricated; matrix similar to surrounding siltstone but may weather moderate pink (5R7/4); one bent conglomerate clast observed suggesting only partial lithification of dolostone at the time of deposition (40 m).

5. Dolostone, sandy dolostone, sandstone and siltstone; dolostone as unit 1; sandy dolostone similar to unit 2 but weathers yellowish brown (10YR5/2), recessive; sandstone is light gray (N7), weathers pale red (10R7/2), medium to coarse grained, medium to thick bedded; siltstone is very pale orange (10Y8/2), weathers pale reddish brown (10R5/4); intraformational conglomerates similar to that in unit 3 occur at 25 m and 95 m above base of unit; sandstone and siltstone interval is 5 m thick and occurs at 70 m above base of unit; thickness uncertain due to faulting within unit which may omit or duplicate section (115 m).

Sentinel Peak Member (55 m)

4. Dolostone; light orange pink (5YR7/6), weathers very pale yellowish brown (10YR7/2), thick bedded to massive, lower 2 meters is laminated; micritic; sparry dolomite fills variably oriented, elongate vugs up to 5 cm in length (55 m).

Kingston Peak Formation (38 m, incomplete)

South Park Member (38 m, incomplete)

Thorndike Submember (38 m, incomplete)

3. Dolostone, as unit 1; upper half meter is intraformational conglomerate, generally pebbles to small cobbles, matrix supported, includes clasts of unit 2 (15 m).

2. Sandy dolostone; white (N9), weathers pale yellowish brown (10YR7/2), arenaceous; sand fine to coarse; medium to low angle cross stratification; recrystallized ooids (~1 mm) (3 m).

1. Dolostone; light gray (N7), weathers pale orange (10YR7/2), sucrosic; thick bedded to massive, local faint lamination; secondary sparry dolomite in vugs (20 m).

Martin Cabin

Measured near Martin Cabin, 3.4 km SSE of USGS vertical-angle benchmark Tucki *(6732) on Emigrant Canyon 1:24,000 quadrangle. Base of measured section located at 36°28'17.33"N, 117° 6'58.48"W, top of section located at 36°28'21.97"N, 117° 6'47.75"W See Figure DR4 for photograph of measured section.*

[Measured by R. Petterson, A. Prave, and B. Wernicke 4/28/06]

Noonday Formation (164 m, incomplete)
Mahogany Flats Member (22 m, incomplete)

13. Karst breccia, clasts up to boulder size of unit 12 in a coarse sand matrix; lower contact is highly irregular with relief up to 12 m; uncertain whether unit represents karsting during Mahogany Flats time or at much later time (10 m, incomplete).

12. Dolostone, light gray (N7) to medium gray (N5), weathers same to light olive gray (5Y6/1), coarse sucrosic texture from secondary dolomitization, algal lamination locally preserved; top of unit is defined by karst breccia (12 m).

Radcliff Member (140 m)
Upper Submember (51 m)

11. Siltstone, sandstone and conglomerate; siltstones and sandstones are pale brown (5YR5/2), moderate brown (5YR4/4) weathering, thin to medium beds of fine grained sandstone interbedded with siltstone near base of unit; 1.5 m-thick conglomerate bed occurs approx 5 m from base of unit, clasts are predominately carbonate up to 1 m in maximum dimension (36 m).

10. Arkose, moderate reddish orange (10R6/6), very dusky red (10R2/2) weathering, coarse grained (up to small granules), medium to thick bedded, occasional low angle cross stratification; units 9 and 10 collectively form a resistant marker horizon (7 m).

9. Dolomitic sandstone, pale reddish brown (10R5/4), weathers dark yellowish orange (10YR6/6), arkosic, coarse grained, medium to thick bedded, arkosic, contains stringers of secondary silica parallel to bedding (8 m).

Middle Submember (42 m)

8. Limestone, very pale orange (10YR8/2), weathering to a variety of pastel hues (e.g. very pale orange (10YR8/2), moderate pink (5YR7/4), and pale yellowish orange (10YR8/6)), micritic, strongly laminated; approx. 10% of the unit includes medium to thick beds of unlaminated to laminated limestone containing granular sand; uppermost and lowermost portions of unit contain thin interbeds of phyllitic siltstone similar to unit 6; intraformational breccia horizon occurs 12 m below the top of the unit; prominent fault disrupts section 14 m above base, potentially omitting a significant amount of section; pale yellowish orange (10YR8/6) weathering color is distinctive of this interval of the Radcliff Member and often dominates landscape (Figure A4) (42 m).

Lower Submember (47 m)

7. Phyllitic siltstone (80%) and limestone (20%); siltstone as in unit 6; limestone as in unit 3; measured thickness accounts for tight folding within unit that duplicates section (Figure A4) (22 m).

6. Phyllitic siltstone, greenish gray (5G6/1), light greenish gray (5G8/1) weathering; contains distinctive thin beds of moderate red (5R5/4), pale reddish brown (10R5/4) weathering limestone (10 m).

5. Phyllitic sandstone, very light gray (N8) to medium dark grey (N4), weathers same with patches of dusky red (5R3/4), fine grained; unit overall weathers a distinctive light gray color relative to surrounding units (15 m).

Line of section offset across minor fault, see Figure DR4.

4. Sandstone, medium gray (N6), dusky yellowish brown (10YR3/2) weathering, poorly sorted with grain size ranging from silt up to small granules, massively bedded with decimeter- to meter-scale variations in grain size, arkosic; unit contains two pale yellowish brown (10YR6/2), dark yellowish orange (10YR6/6) weathering limestone beds 20 m above base; upper 7 m contains calcareous matrix similar to siltstone in unit 3; upper 3 meters forms a prominent light brown (5YR5/6) to pale yellowish brown (10YR6/2) dolostone marker horizon (33 m).

3. Calcareous siltstone (80%) and limestone (20%); calcareous siltstone is very pale green (10G8/2), weathers same, grayish orange pink (10R8/2) and pale reddish brown (10R5/4), contains dispersed sand grains; limestone similar to unit 2, in thin to medium beds concentrated near the base and the upper 10 m of the unit; lower contact is gradational with unit 2, upper contact sharp with unit 4 (30 m).

Sentinel Peak Member (2 m)

2. Limestone, pale yellowish brown (10YR6/2), very pale orange (10YR8/2) to grayish orange (10YR7/4) weathering, micritic, laminated at base with increasing frequency of thin beds (ca. 5 cm) toward top of unit; contains one 15 cm-thick bed of clast supported conglomerate, approximately 20 cm from base of unit; clast assemblage similar to unit 1, including clasts up to 15 cm in maximum dimension (2 m).

Kingston Peak Formation (5 m, incomplete)
South Park Member (5 m, incomplete)
Wildrose Submember (5 m, incomplete)

1. Diamictite; dark gray (N3) to grayish blue (5PB5/2), weathers dark yellowish brown (10YR4/2); clasts primarily small pebbles to cobbles of gneiss, granite, quartzite, and carbonate, ranging from rounded to angular; matrix supported; matrix is massive and predominately siliceous, except in upper meter of unit where it is moderate olive brown (5Y4/4) weathering carbonate (5 m, incomplete).

FIGURES

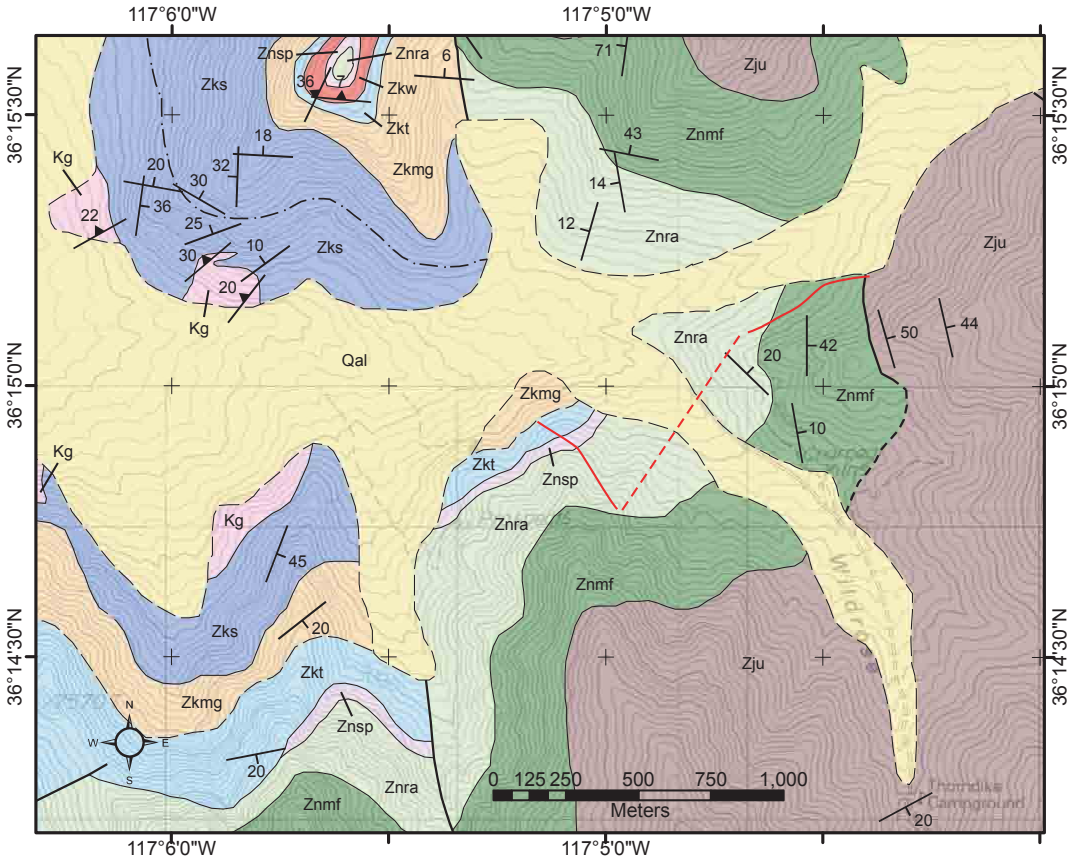

Figure DR1. Geologic map of the Wildrose Canyon area. Line of measured section shown in red, dashed where offset. Kg, Skidoo granite; Zks, Sourdough Member; Zkmg, Mountain Girl Member; Zkt, Thorndike Member; Zkw, Wildrose Member; Znsp, Sentinel Peak Member; Znra, Radcliff Member; Znre, Redlands Member (now Mahogany Flats Member); Zju, Johnnie Formation. Mapping modified from Harding (1987) and Albee et al. (1981).

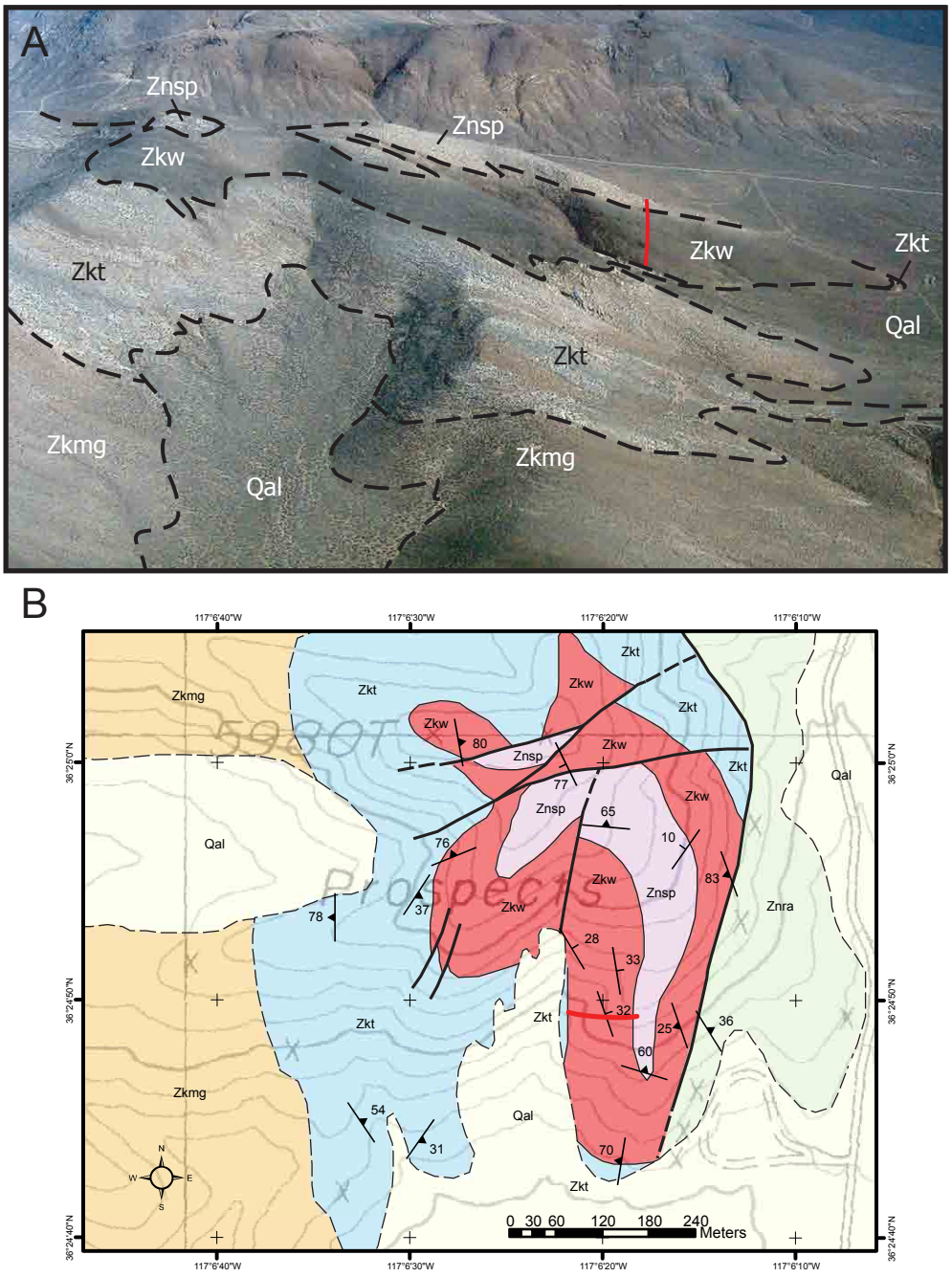

Figure DR2. (A) Oblique aerial photograph looking east and (B) geologic map of South Skidoo section, northern Panamint Range. Solid red line—location of measured section. Kg, Skidoo granite; Zks, Sourdough Member; Zkmg, Mountain Girl Member; Zkt, Thorndike Member; Zkw, Wildrose Member; Znsp, Sentinel Peak Member; Znra, Radcliff Member.

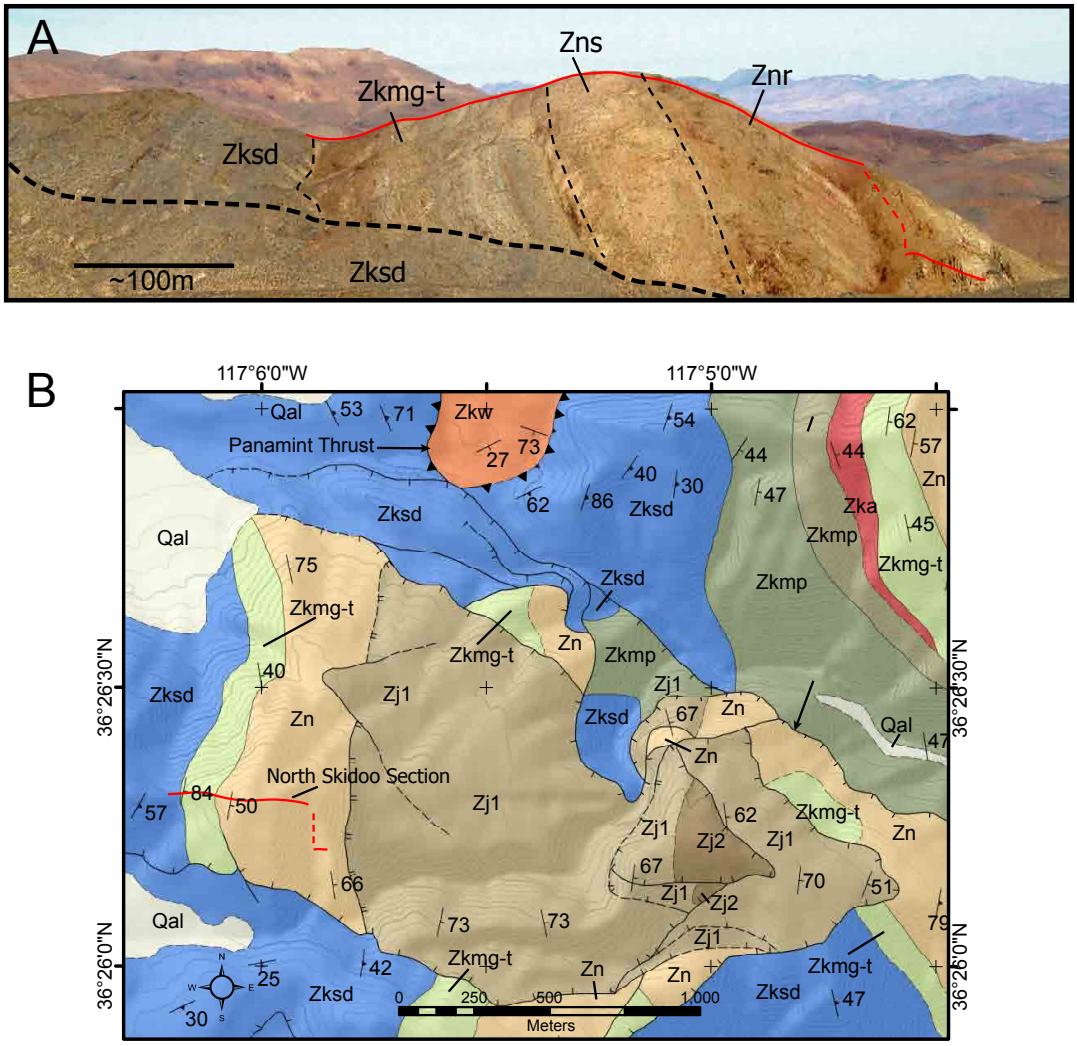

Figure DR3. (A) View north of the measured North Skidoo section. (B) Geologic map of the North Skidoo and Tucki Mine area. Zksd, Sourdough Member; Zkmp, Middle Park Member; Zka, Argenta Member; Zkmg-t, Mountain Girl and Thorndike Members; Zns, Sentinel Peak Member; Znr, Radcliff Member. Solid red lines indicate measured section, dashing indicates offsets.

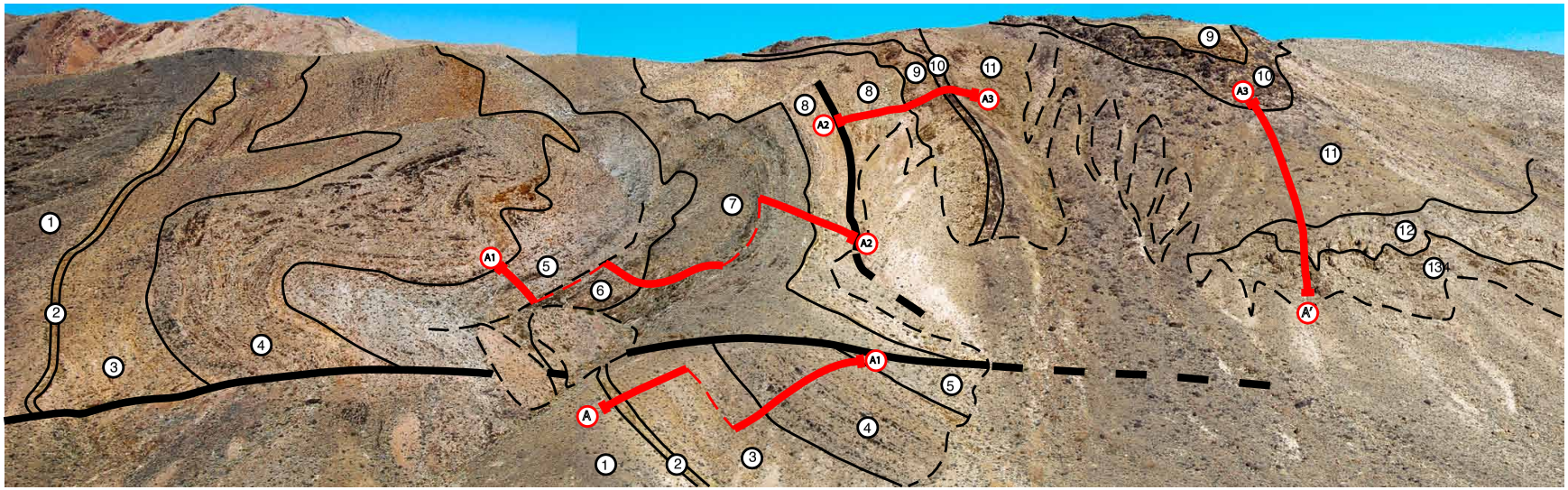

Figure DR4. View north of the Martin Cabin section, northern Panamint Range showing mapped contacts of sub-units of the Noonday Formation. Solid red line—section line; dashed red line—section line offset. Numbers refer to unit numbers on Martin Cabin measured section.

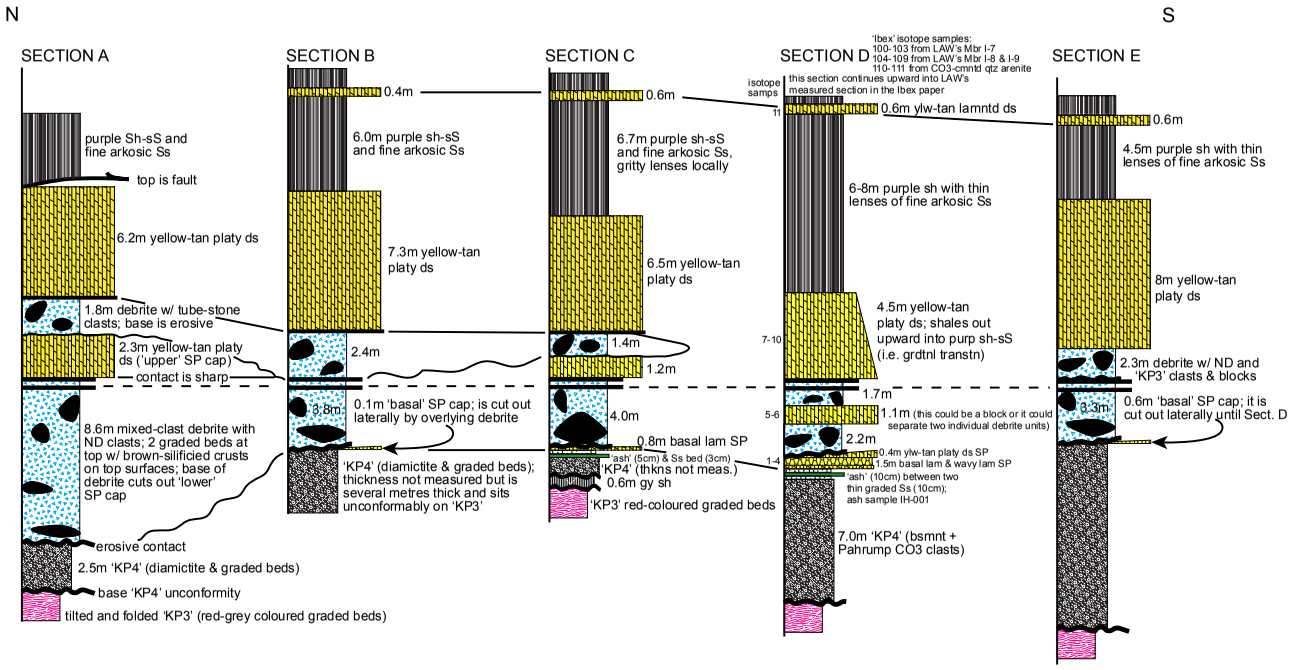

Figure DR5. North to south stratigraphic cross-section of the Sentinel Peak Member and lower part of the Radcliff Member (formerly lower Ibex Formation of previous workers) in the southern Ibex Hills; section covers approximately 1.5 km of strike and individual measured sections are broadly evenly spaced. Section D is the same as the type locality of Wright et al. (1984) for their Ibex Formation. Note that debrite beds are intra-Sentinel-Peak deposits; their bases are sharp and commonly erosive, and bed geometries are lenticular across the length of the outcrop. Datum is the base of a thin, graded bed 'capping' one of the thick debrite units.

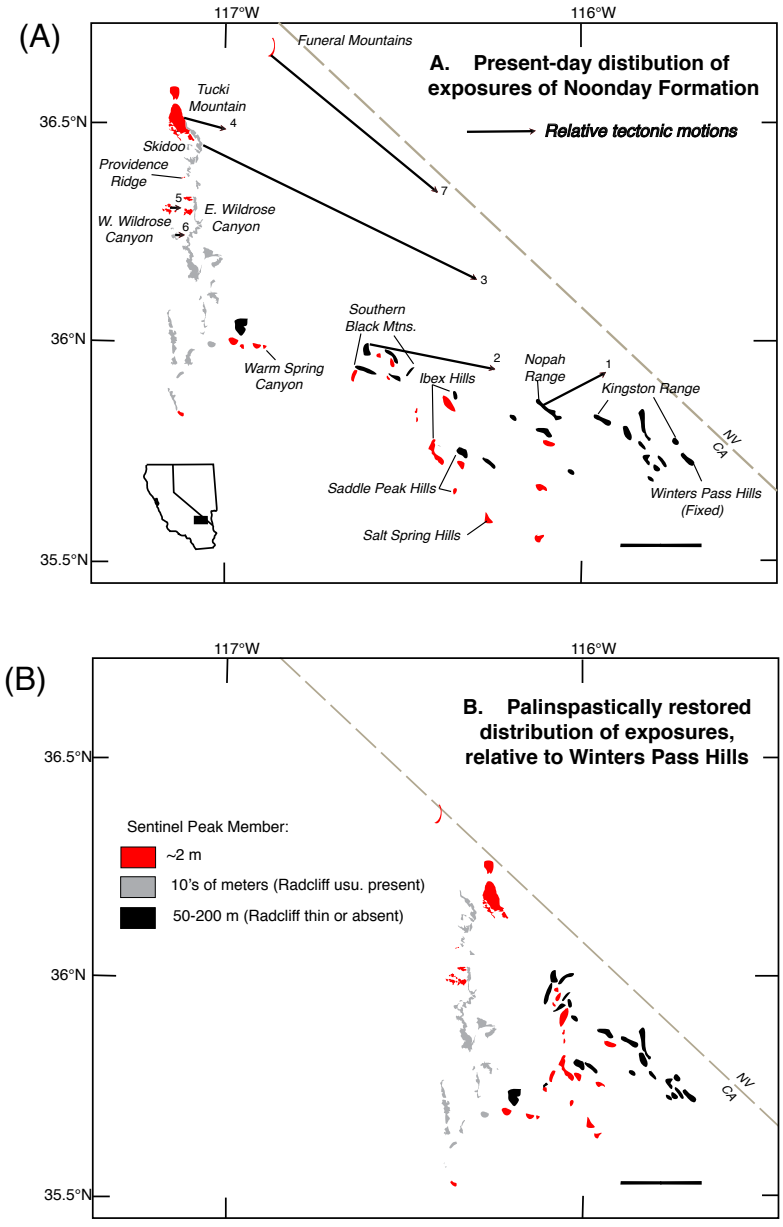

Figure DR6. Maps showing the present-day (A) and reconstructed Neoproterozoic (B) relative positions of Noonday Formation exposures, as derived from this study and from Wright et al. (1984). Vector 1, reconstruction of WSW extension in the Kingston Range-Nopah Range area following Davis et al. (1993); vector 2, reconstruction of WNW extension across the southern Black Mountains and environs following Holm and Wernicke (1990), additive with vector 1; vector 3, offset of Panamint Range block relative to Resting Spring Range after Wernicke et al. (1993) and Niemi et al. (2001); vector 4, reconstruction of Panamint thrust footwall relative to the southern part of the range, after Wernicke et al., 1993; vectors 5 and 6, reconstruction of western Wildrose Canyon sections, following Harding (1987); vector 7, reconstruction of the northern Funeral Mountains relative to the Nopah Range, after Snow and Wernicke (2000).

TABLE DR1.

sample	height (m)	δ^{13}C V-PDB	δ^{18}O V-PDB	lithology/comments
Ashford Canyon (central section)				
Location:	***35°55'30.89"N, 116°38'50.11"W***			
AC-28	24.5	-1.90	-8.86	upper lam cap
AC-27	24	-2.50	-9.45	upper lam cap
AC-26	23.5	-2.20	-8.69	upper lam cap
AC-25	23	-2.49	-8.79	vuggy ND
AC-24	11	-2.32	-8.58	vuggy ND
AC-23	3	-2.25	-9.01	vuggy ND
AC-22	1.8	-2.35	-7.73	lower lam cap (sits on karsted? BS)
AC-21	0.5	-2.16	-8.70	lower lam cap (sits on karsted? BS)
Ashford Canyon (SSW section)				
Location:	***35°55'27.85"N, 116°38'52.42"W***			
AC-49	12.2	-1.61	-9.71	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-48	11.1	-2.60	-9.79	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-47	10.5	-2.60	-8.61	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-46	9.6	-2.41	-10.11	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-45	8.7	-2.14	-9.76	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-44	8	-2.48	-9.23	lower lam cap (sits on 0-3m diamcte)
AC-43	5	-1.86	-9.56	lower lam cap (sits on 0-3m diamcte)
AC-42	3	-1.82	-9.92	lower lam cap (sits on 0-3m diamcte)
AC-41	1	-1.66	-8.99	lower lam cap (sits on 0-3m diamcte)
AC-40	0.01	-1.85	-8.53	lower lam cap (sits on 0-3m diamcte)
Eastern Wildrose Canyon - Mahogany Flats unit (m above Charcoal Kilns Ss)				
Location:	***See Appendix A***			
WR1-38	242	2.92	-11.15	sandy ds (ND2?)
WR1-37	236	2.10	-11.51	sandy ds (ND2?)
WR1-36	235	-0.04	-11.05	gy ds w/ qtz-grains, dolomcrts
WR1-35	228	2.87	-7.45	gy ds w/ qtz-grains, dolomcrts
WR1-34	220	-0.04	-10.39	gy ds w/ qtz-grains, dolomcrts
WR1-33	212			gy ds w/ qtz-grains, dolomcrts
WR1-32	208	2.28	-8.41	gy ds w/ qtz-grains, dolomcrts
WR1-31	202	-2.62	-12.95	gy ds w/ qtz-grains, dolomcrts
WR1-30	196	2.54	-8.27	gy ds w/ qtz-grains, dolomcrts

WR1-29	190	0.84	-11.05	gy ds w/ qtz-grains, dolomcrts
WR1-28	184	0.41	-10.46	gy ds w/ qtz-grains, dolomcrts
WR1-27	176	1.82	-9.24	gy ds w/ qtz-grains, dolomcrts
WR1-26	167	1.50	-9.43	gy ds w/ qtz-grains, dolomcrts
WR1-25	161	2.87	-7.82	gy ds w/ qtz-grains, dolomcrts
WR1-24	155	1.00	-8.12	gy ds w/ qtz-grains, dolomcrts
WR1-23	149	1.43	-8.75	karst; Ss lens; exposure intrvl.?
WR1-22	143	1.29	-9.21	karst; Ss lens; exposure intrvl.?
WR1-21	137	0.62	-7.44	gy ds; stroms and trctn bdg
WR1-20	129	0.92	-8.37	gy ds; stroms and trctn bdg
WR1-19	123	-0.03	-8.45	gy ds; stroms and trctn bdg
WR1-18	117	1.50	-8.25	gy ds; stroms and trctn bdg
WR1-17	111	0.86	-6.92	gy ds; stroms and trctn bdg
WR1-16	105	0.10	-6.53	gy ds; stroms and trctn bdg
WR1-15	99	-0.66	-10.61	gy ds; stroms and trctn bdg
WR1-11	96	-0.84	-10.60	ltgy ds; wavy-// and micrbl lams
WR1-14	93	-0.44	-6.62	gy ds; stroms and trctn bdg
WR1-10	92	-1.19	-7.85	ltgy ds; wavy-// and micrbl lams
WR1-13	87	1.08	-8.42	gy ds; stroms and trctn bdg
WR1-9	86	-1.49	-7.93	ltgy ds; wavy-// and micrbl lams
WR1-12	85	-2.99	-12.59	gy ds; stroms and trctn bdg
WR1-8	80	-1.42	-7.38	ltgy ds; wavy-// and micrbl lams
WR1-7	72	-1.56	-7.13	ltgy ds; wavy-// and micrbl lams
WR1-6	65	-1.39	-7.69	ltgy ds; wavy-// and micrbl lams
WR1-5	59	-1.28	-7.45	ltgy ds; wavy-// and micrbl lams
WR1-4	53	-0.88	-6.83	ltgy ds; wavy-// and micrbl lams
WR1-3	47	-1.24	-7.35	ltgy ds; wavy-// and micrbl lams
WR1-2	41	-1.82	-6.85	ltgy ds; wavy-// and micrbl lams
WR1-1	35	-2.08	-7.13	Base of Mahogany Flats Mbr

East Wood Canyon

Location: ***36°19'30.76"N, 117° 4'27.06"W***

EWD-10	127	-1.13	-13.16	Thorndike
EWD-9	121	-1.61	-11.55	Thorndike
EWD-8	110	-1.85	-13.26	Thorndike
EWD-7	81	5.58	-12.33	Thorndike
EWD-6	70	-0.17	-13.43	Thorndike
EWD-5	58	4.36	-12.45	Thorndike

EWD-4	45	4.68	-10.17	Thorndike
EWD-3	29	-1.25	-13.22	Thorndike
EWD-2	21	3.89	-9.51	Thorndike
EWD-1	8	4.41	-12.27	Thorndike

Martin Cabin (lower plate section)

Location: ***See Appendix A***

MC-1	-4	-4.38	-12.47	CO3-cmtd diamicte below SP
MC-2	0	-2.80	-12.50	Sentinel Peak micritic Ls
MC-3	0.5	-3.42	-10.08	Sentinel Peak micritic Ls
MC-4	1	-3.25	-11.09	Sentinel Peak micritic Ls
MC-5	1.5	-3.39	-12.92	Sentinel Peak micritic Ls
MC-6	2	-3.15	-12.80	Sentinel Peak micritic Ls
MC-7	8.5	-4.49	-13.15	thn ls intrbds in arkosic sh-sS
MC-8	10	-5.73	-12.88	thn ls intrbds in arkosic sh-sS
MC-9	15	-5.50	-12.78	thn ls intrbds in arkosic sh-sS
MC-10	24	-5.12	-12.22	thn ls intrbds in arkosic sh-sS
MC-11	28	-5.49	-13.20	thn ls intrbds in arkosic sh-sS
MC-12	34.5	-6.08	-12.82	thn ls intrbds in arkosic sh-sS
MC-13	57.5	-5.16	-13.56	thn ls intrbds in arkosic sh-sS
MC-14	67.5	-5.22	-14.35	ds (Unit 10)
MC-15	96	-5.97	-13.62	thn ls in grngy phyllite (Unit 13)
MC-16	98	-4.60	-10.13	thn ls in grngy phyllite (Unit 13)
MC-17	101	-5.72	-13.59	thn ls in grngy phyllite (Unit 13)
MC-18	104.5	-5.09	-10.72	thn ls in grngy phyllite (Unit 13)
MC-19	107.5	-5.38	-11.97	thn ls in grngy phyllite (Unit 13)
MC-20	111	-3.40	-7.79	thn ls in grngy phyllite (Unit 13)
MC-21	114	-4.82	-13.05	thn ls in grngy phyllite (Unit 13)
MC-22	118	-1.72	-11.61	ls lmnts, rare breccias (Unit 14)
MC-23	121.5	-4.44	-12.49	ls lmnts, rare breccias (Unit 14)
MC-24	126	-3.49	-11.06	ls lmnts, rare breccias (Unit 14)
MC-25	131	-1.41	-12.69	ls lmnts, rare breccias (Unit 14)
MC-26	137.5	-1.30	-12.30	ls lmnts, rare breccias (Unit 14)
MC-27	143.5	-0.95	-11.75	ls lmnts, rare breccias (Unit 14)
MC-28	147.5	-1.22	-11.78	ls lmnts, rare breccias (Unit 14)
MC-29	152	-0.49	-11.18	ls lmnts, rare breccias (Unit 14)

MC-30	159.5	-1.12	-13.99	sandy ds (Unit 16)
MC-31	210	-1.06	-14.48	ds, ds breccia ('Mahogany Flats'?)
MC-32	211	-1.51	-14.13	ds, ds breccia ('Mahogany Flats'?)
MC-33	212	-2.52	-11.53	ds, ds breccia ('Mahogany Flats'?)
MC-34	218	-2.26	-12.04	ds, ds breccia ('Mahogany Flats'?)
MC-35	222	-1.55	-11.56	ds, ds breccia ('Mahogany Flats'?)
MC-36	224	-1.61	-13.12	sandy Ds ('ND2')
MC-37	233	-2.49	-13.34	sandy Ds ('ND2')
MC-38	243	-1.40	-12.60	sandy Ds ('ND2')

North side of Aguereberry Rd (NSAR)- 'Mystery' black Ls

Location: ***36°22'3.75"N, 117° 5'39.39"W***

AR-1		-1.05	-12.32	ls beds in drk phyllite
AR-2		3.19	-9.01	ls beds in drk phyllite
AR-3		-3.29	-11.98	ls - blk phyllite intrbdd interval
AR-4		-3.48	-11.63	ls - blk phyllite intrbdd interval
AR-5		-4.04	-12.61	ls - blk phyllite intrbdd interval
AR-6		-3.12	-11.01	ls - blk phyllite intrbdd interval
AR-7		0.68	-10.49	dolostone bed
AR-8		-1.60	-10.76	ls bed
AR-9		-3.92	-11.11	drk banded grphtic ls
AR-10		-2.79	-10.93	drk banded grphtic ls
AR-11		-2.39	-10.27	drk banded grphtic ls
AR-12		-2.17	-10.16	drk banded grphtic ls
AR-13		-3.43	-11.11	drk banded grphtic ls
AR-14		-3.80	-10.74	thk CO3-clast cgr beds
AR-15		-1.85	-11.18	thk CO3-clast cgr beds
AR-16		-2.27	-11.52	thk CO3-clast cgr beds

North Skidoo

Location: ***See Appendix A***

RP03-60.20	500	-0.78	-11.53	CO3 breccias above arkose-sS unit
RP03-60.19	490	-1.55	-12.53	CO3 breccias above arkose-sS unit
RP03-60.18	480	-2.69	-13.59	CO3 breccias above arkose-sS unit
RP03-60.17	465	-1.96	-11.28	CO3 breccias above arkose-sS unit
RP03-60-16	455			no carbonate (qtz Ss)
RP03-60.15	325			no carbonate (qtz Ss)
RP03-60.14	300	-2.93	-10.63	top 'ND'
RP03-60.13	265	-2.49	-9.45	ND
RP03-60.12	250	-2.49	-8.87	ND

RP03-60.11	230	-2.28	-8.57	base 'ND'
RP03-60.10	220	2.78	-10.63	Thrndke top
RP03-60.09	200	-2.19	-12.48	Thorndike
RP03-60.08	165	4.37	-13.56	Thorndike
RP03-60.07	155	5.95	-11.05	Thorndike
RP03-60.06	125	-0.98	-11.92	Thorndike
RP03-60.05	115	7.25	-12.38	Thorndike
RP03-60.04	85	5.63	-13.82	Thorndike
RP03-60.03	75	0.06	-12.10	Thorndike
RP03-60.02	65	-3.83	-11.73	Thorndike base
RP03-60.01	0	5.42	-11.79	probably BS (not SD)

Providence Ridge

Location: ***36°21'43.97"N, 117° 6'42.61"W***

PR-1		-3.43	-14.50	Prov Rdge Ds (aka Sent Pk)
PR-1A	0	-3.76	-14.04	Prov Rdge Ds (aka Sent Pk)
PR-2	0.25	-3.13	-13.68	Prov Rdge Ds (aka Sent Pk)
PR-3	0.5	-3.79	-14.42	Prov Rdge Ds (aka Sent Pk)
PR-4	0.75	-3.43	-14.31	Prov Rdge Ds (aka Sent Pk)
PR-5	1	-3.49	-14.39	Prov Rdge Ds (aka Sent Pk)
P5-6	1.5	-3.98	-14.05	Prov Rdge Ds (aka Sent Pk)
PR-7	2	-4.06	-14.76	Prov Rdge Ds (aka Sent Pk)

Saddle Peak Hills, central (cap on 1m thick diamictite)

Location: ***35°43'18.97"N, 116°20'54.62"W***

SPC-8	3	-2.53	-9.26	up. cap lmnte w/ mm-tk rd sh
SPC-7	2.05	-2.34	-11.43	up. cap lmnte w/ mm-tk rd sh
SPC-6	1.2	-2.57	-9.52	up. part cap lmnt rd sh prtng
SPC-5	0.9	-2.56	-8.83	up. part cap lmnt rd sh prtng
SPC-4	0.6	-2.69	-9.01	up. part cap lmnt rd sh prtng
SPC-3	0.4	-1.91	-8.20	up. part cap lmnt rd sh prtng
SPC-2	0.2	-2.25	-8.77	up. part cap lmnt rd sh prtng
SPC-1	0.02	-2.34	-8.35	up. part cap lmnt rd sh prtng

Saddle Peak Hills, northern (lower and upper ND & 'Ibex')

Location: ***35°45'33.37"N, 116°21'39.31"W***

SPN-21	213	-3.15	-7.76	upper Nd tubes-lams (tubes +200m tk)
SPN-20	210	-3.42	-8.13	upper Nd tubes-lams (tubes +200m tk)
SPN-9	7	-3.20	-9.01	lower tubes
SPN-8	5.5	-3.22	-8.86	lower tubes
SPN-7	4.2	-3.62	-8.25	lower tubes
SPN-6	3.7	-2.75	-7.05	basal lam ND (on 'KP4'; CSl block)
SPN-5	2.5	-2.85	-7.15	basal lam ND (on 'KP4'; CSl block)
SPN-4	1.5	-3.27	-6.86	basal lam ND (on 'KP4'; CSl

				block)
SPN-3	1	-2.94	-7.13	basal lam ND (on 'KP4'; CSl block)
SPN-2	0.6	-2.65	-7.02	basal lam ND (on 'KP4'; CSl block)
SPN-1	0.15	-2.90	-6.48	basal lam ND (on 'KP4'; CSl block)

Southern Ibex Hills (Type Locality; sect. D on Figure 10, Chapter II)

Location: ***35°45'27.22"N, 116°25'56.19"W***

IH-10	11	-2.96	-8.64	yltn ds lmnts
IH-9	9	-3.00	-9.49	yltn ds lmnts
IH-8	8	-2.01	-8.61	yltn ds lmnts
IH-7	7.1	-1.74	-9.75	yltn ds lmnts
IH-6	5	-2.02	-8.66	yltn ds lmnts
IH-5	4.2	-2.29	-8.52	yltn ds lmnts (2.2m breccia below)
IH-4	1.8	-2.38	-9.46	yltngy lam to wavy-// ds
IH-3	1.3	-1.95	-8.65	yltngy lam to wavy-// ds
IH-2	0.9	-2.39	-10.67	yltngy lam to wavy-// ds
IH-1	0.2	-1.19	-15.44	yltngy lam to wavy-// ds

Southern Ibex Hills

Location: ***35°45'29.17"N, 116°25'58.64"W***

IH-A	0.01	-2.77	-9.54	lam upr cap on debrite
IH-B	0.5	-2.05	-9.97	lam upr cap on debrite
IH-C	1	-2.30	-9.49	lam upr cap on debrite
IH-A0	0.02	-2.04	-7.97	lam upr cap on debrite
IH-B0	0.5	-2.45	-8.05	lam upr cap on debrite
IH-C0	1	-3.19	-9.97	lam upr cap on debrite

Southern Nopah Range: ND1

Location: ***35°50'9.44"N, 116° 6'56.43"W***

SN-ND-1	0.05	-2.62	-6.67	ds lam = basal Noonday1 = SP
SN-ND-2	0.15	-2.61	-6.31	ds lam = basal Noonday1 = SP
SN-ND-3A	0.25	-2.59	-6.34	ds lam = basal Noonday1 = SP
SN-ND-4	2.25	-2.73	-6.82	ds 'tubers' = tubestone ND1
SN-ND-5	4.25	-2.65	-6.83	ds 'tubers' = tubestone ND1
SN-ND-6	6.25	-3.70	-6.06	ds 'tubers' = tubestone ND1
SN-ND-7	8.25	-3.28	-6.26	ds 'tubers' = tubestone ND1
SN-ND-8A	10.25	-2.78	-5.76	ds 'tubers' = tubestone ND1
SN-ND-8B	10.25	-3.26	-8.92	ds 'tubers' = tubestone ND1
SN-ND-9A	14	-3.50	-6.83	ds 'tubers' = tubestone ND1
SN-ND-9B	14	-3.39	-13.19	ds 'tubers' = tubestone ND1
SN-ND-10	18	-2.44	-6.01	ds 'tubers' = tubestone ND1
SN-ND-12	26	-3.02	-7.20	ds 'tubers' = tubestone ND1

SN-ND-14	34	-3.30	-5.91	ds 'tubers' = tubestone ND1
SN-ND-15	38	-3.03	-6.66	ds 'tubers' = tubestone ND1
SN-ND-15	38	-3.03	-6.66	ds 'tubers' = tubestone ND1
SN-ND-17	46	-3.50	-8.43	ds 'tubers' = tubestone ND1
SN-ND-22	66	-2.16	-5.14	ds 'tubers' = tubestone ND1
SN-ND-24	74	-3.45	-7.56	ds 'tubers' = tubestone ND1
SN-ND-26	82	-3.40	-11.69	ds 'tubers' = tubestone ND1
SN-ND-28	88	-1.88	-6.52	ds 'tubers' = tubestone ND1
SN-ND-30	96	-2.47	-7.69	ds 'tubers' = tubestone ND1
SN-ND-33	108	-2.67	-8.77	ds 'tubers' = tubestone ND1
SN-ND-37	124	-2.40	-9.84	ds 'tubers' = tubestone ND1
SN-ND-38	128	-3.11	-7.55	ds 'tubers' = tubestone ND1
SN-ND-40	136	-2.55	-6.38	ds 'tubers' = tubestone ND1
SN-ND-41	140	-3.05	-7.61	ds 'tubers' = tubestone ND1
SN-ND-43	148	-2.40	-6.66	ds 'tubers' = tubestone ND1
SN-ND-46	160	-2.70	-5.82	ds 'tubers' = tubestone ND1
SN-ND-47	164	-2.49	-5.94	ds 'tubers' = tubestone ND1
SN-ND-49	172	-2.83	-6.01	ds 'tubers' = tubestone ND1
SN-ND-52	184	-2.86	-5.68	ds 'tubers' = tubestone ND1
SN-ND-54	190	-3.15	-6.99	ds 'tubers' = tubestone ND1
SN-ND-56	198	-3.10	-6.45	ds 'tubers' = tubestone ND1
SN-ND-59	201	-3.22	-6.68	ds 'tubers' = tubestone ND1
SN-ND-60	202	-2.84	-6.54	ds 'tubers' = tubestone ND1
SN-ND-61	208	-3.44	-6.53	ds 'tubers' = tubestone ND1
SN-ND-62	212	-2.98	-6.92	ds 'tubers' = tubestone ND1
SN-ND-63	215	-3.11	-6.66	ds 'tubers' = tubestone ND1
Location:	***35°49'11.78"N, 116° 5'17.62"W***			
SNP-3	215.1	-3.05	-7.85	base upper cap lmnte
SNP-4	215.6	-3.48	-8.36	up. cap lmnte
SNP-5	217.4	-3.03	-7.56	up. cap lmnte
SNP-6	218.4	-3.35	-8.68	up. cap lmnte
SNP-7	219.9	-3.12	-8.09	up. cap lmnte
SNP-8	221.4	-3.14	-7.90	up. cap lmnte
SNP-9	222.6	-3.46	-8.18	wavy-prll lams, psuedo tepees
SNP-10	224.4	-3.16	-8.09	wavy-prll lams, psuedo tepees

South Skidoo section - Thorndike Ls

Location: ***See Appendix A***

SS-1	9.5	-1.64	-13.77	Unit 2 (sharp on 'Good Mtn Girl')
SS-2	11	-0.55	-12.64	Unit 2 (sharp on 'Good Mtn Girl')
SS-3	13	0.20	-13.25	Unit 2 (sharp on 'Good Mtn Girl')
SS-4	16.5	2.39	-11.57	Unit 3
SS-5	20	5.18	-11.25	Unit 3
SS-6	25	2.24	-12.82	Unit 3
SS-7	29	5.39	-11.99	Unit 3

SS-8	33	3.91	-11.50	Unit 3
SS-9	34	-4.19	-16.41	Unit 4
SS-10	36.5	0.07	-14.64	Unit 4
SS-11	41.5	0.52	-14.57	Unit 4
SS-12	45	5.50	-11.60	Unit 4
SS-13	49	3.64	-10.46	Unit 4
SS-14	52	3.40	-14.89	Unit 4
SS-15	72	0.76	-14.10	Unit 8
SS-16	75	2.37	-13.05	Unit 8
SS-17	83	6.76	-10.22	Unit 8
SS-18	90	4.59	-11.50	Unit 8
SS-19	96	5.30	-11.16	Unit 8
SS-20	100	6.71	-13.02	Unit 8
SS-21	102	5.85	-11.08	Unit 8
SS-22	104.5	4.47	-14.88	Unit 9
SS-23	107	6.39	-11.69	Unit 10
SS-24	111	6.20	-12.08	Unit 10
SS-25	115	6.25	-12.01	Unit 10
SS-26	120	8.18	-9.22	Unit 10
SS-27	123	5.82	-11.28	Unit 10
SS-28	125.5	5.74	-12.25	Unit 10

South Wood Canyon

Location: ***See Appendix A***

SWC-1	100	-1.71	-9.55	Radcliff Ls
SWC2	85	-3.15	-11.90	Radcliff Ls
SWC3	70	-4.29	-12.68	Radcliff Ls
SWC-4	55	-4.32	-12.05	Radcliff Ls
SWC-5	37	-4.66	-11.39	Radcliff Ls
SWC-6	17	-5.15	-13.21	Radcliff just above SP
RP02-29h	16	-3.89		Sent Pk top
RP02-29g	13.714286	-3.57		Sent Pk
RP02-29f	11.428571	-4.19		Sent Pk
RP02-29e	9.1428571	-3.60		Sent Pk
RP02-29d	6.8571429	-3.56		Sent Pk
RP02-29c	4.5714286	-3.00		Sent Pk
RP02-29b	2.2857143	-2.91		Sent Pk
RP02-29a	0	-3.09		Sent Pk base

Staircase Canyon

Location: ***36°33'51.99"N, 117° 9'31.35"W***

SCC-13	3	-1.92	-13.46	intbd ls-ms
SCC-12	2.5	-4.42	-13.51	intbd ls-ms
SCC-11	2	-3.66	-13.97	intbd ls-ms
SCC-10	1.5	-4.06	-14.09	Sent Pk (fine ls)
SCC-9	1.45	-3.75	-14.11	Sent Pk (fine ls)
SCC-8 (not				Sent Pk (fine ls)

sent)				
SCC-7	1.1	-3.87	-14.09	Sent Pk (fine ls)
SCC-6 (not sent)				Sent Pk (fine ls)
SCC-5	0.7	-3.83	-14.16	Sent Pk (fine ls)
SCC-4 (not sent)				Sent Pk (fine ls)
SCC-3	0.3	-3.61	-14.13	Sent Pk (fine ls)
SCC-2 (not sent)				Sent Pk (fine ls)
SCC-1	0.05	-3.64	-14.09	Sent Pk (fine ls)
Location:	***36°33'56.04"N, 117° 9'40.51"W***			
SCC-101	GRAB	-0.74	-12.17	probable TD (not SD) above thrust
SCC-102	GRAB	3.41	-12.60	probable TD (not SD) above thrust
SCC-103	GRAB	4.54	-11.87	probable TD (not SD) above thrust

Tucki Mine

Location:	***See Appendix A***			
TM-22	700	-3.68	-13.21	Radcliff (ls)
TM-21	680	-4.02	-13.15	Radcliff (ls)
TM-20	660	-4.06	-13.08	Radcliff (ls)
TM-19	655	-2.02	-9.82	Sentinel Peak
TM-18	645	-2.56	-10.60	Sentinel Peak
TM-17	635	-2.41	-11.22	Sentinel Peak
TM-16	630	-1.60	-12.30	upr Thrndike; ds
TM-15	620	-1.59	-12.11	upr Thrndike; ds
TM-14	610	-2.51	-12.04	upr Thrndike; ds
TM-13	600	1.52	-13.59	Thorndike Ls
TM-12	580	3.28	-12.81	Thorndike Ls
TM-11	560	3.96	-13.62	Thorndike Ls
TM-10	540	3.33	-9.88	Thorndike Ls
TM-9	520	6.04	-10.55	Thorndike Ls
TM-8	500	0.08	-10.40	Thorndike Ls
TM-7	140	-4.42	-12.12	probable BS, but ls
TM-6	130	-2.31	-13.09	probable BS, but ls
TM-5	115	0.18	-11.78	probable BS, but ls
TM-4	95	0.75	-10.26	probable BS, but ls
TM-3	65	-0.60	-10.06	probable BS, but ls
TM-2	35	-0.74	-9.18	probable BS, but ls
TM-1	10	2.86	-8.97	probable BS, but ls

Western Wildrose (Dolly Parton Ridge) - Radcliff (SP-1m; lower Radcliff - 80m)

Location:	***36°16'35.28"N, 117° 6'16.23"W***			
WR4-1	256	-0.12	-10.48	7m ltgy ds (lmnts and thkr beds)
WR4-2	250	-0.90	-11.25	7m ltgy ds (lmnts and thkr

				beds)
WR4-3	247	-4.65	-15.72	7m ltgy ds (lmnts and thkr beds)
WR4-4	235	-0.25	-12.72	ls lmnts, breccias
WR4-5	228	-2.65	-13.16	ls lmnts, breccias
WR4-6	220	-0.04	-9.85	ls lmnts, breccias
WR4-7	212	-3.08	-12.33	ls lmnts, breccias
WR4-8	204	-3.30	-12.86	ls lmnts, breccias
WR4-9	196	-3.69	-13.30	ls lmnts, breccias
WR4-10	188	-3.59	-13.60	ls lmnts, breccias
WR4-11	180	-3.49	-14.55	ls lmnts, breccias
WR4-12	172	-3.08	-13.76	ls lmnts, breccias
WR4-13	164	-3.96	-13.25	ls lmnts, breccias
WR4-14	156	-5.19	-12.69	ls lmnts, breccias
WR4-15	150	-3.94	-12.94	5m sandy ds
WR4-16	135	-5.25	-13.68	ls-gngy sS 'rhythmt'
WR4-17	119	-4.83	-12.52	ls-gngy sS 'rhythmt' (dip chnge)
WR4-18	104	-6.76	-13.87	CO3 breccia-lmnts in thn bd Ss
WR4-19	85	-6.29	-15.71	CO3 breccia-lmnts in thn bd Ss

Wildrose Canyon - Sourdough Limestone

Location: ***36°15'24.80"N, 117° 5'50.10"W***

WR3-11		2.20	-6.64	Sourdough Ls
WR3-10		-3.14	-14.38	Sourdough Ls
WR3-9		-2.96	-13.64	Sourdough Ls
WR3-8		-3.54	-14.09	Sourdough Ls
WR3-7		-2.51	-12.67	Sourdough Ls
WR3-6		-2.84	-12.45	Sourdough Ls
WR3-5		-3.26	-12.22	Sourdough Ls
WR3-4		-2.98	-12.47	Sourdough Ls
WR3-3		-3.76	-11.09	Sourdough Ls
WR3-2		-3.90	-10.12	Sourdough Ls
WR3-1		-4.80	-10.98	Sourdough Ls

sample	**height (m)**	**δ^{13}C V-PDB**	**δ^{18}O V-PDB**	**lithology/comments**

Ashford Canyon (central section)

Location: ***35°55'30.89"N, 116°38'50.11"W***

AC-28	24.5	-1.90	-8.86	upper lam cap
AC-27	24	-2.50	-9.45	upper lam cap
AC-26	23.5	-2.20	-8.69	upper lam cap
AC-25	23	-2.49	-8.79	vuggy ND
AC-24	11	-2.32	-8.58	vuggy ND
AC-23	3	-2.25	-9.01	vuggy ND

AC-22	1.8	-2.35	-7.73	lower lam cap (sits on karsted? BS)
AC-21	0.5	-2.16	-8.70	lower lam cap (sits on karsted? BS)

Ashford Canyon (SSW section)

Location: ***35°55'27.85"N, 116°38'52.42"W***

AC-49	12.2	-1.61	-9.71	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-48	11.1	-2.60	-9.79	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-47	10.5	-2.60	-8.61	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-46	9.6	-2.41	-10.11	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-45	8.7	-2.14	-9.76	u. lam cap, pkrd ms prtngs; isolatd mounds
AC-44	8	-2.48	-9.23	lower lam cap (sits on 0-3m diamcte)
AC-43	5	-1.86	-9.56	lower lam cap (sits on 0-3m diamcte)
AC-42	3	-1.82	-9.92	lower lam cap (sits on 0-3m diamcte)
AC-41	1	-1.66	-8.99	lower lam cap (sits on 0-3m diamcte)
AC-40	0.01	-1.85	-8.53	lower lam cap (sits on 0-3m diamcte)

Eastern Wildrose Canyon - Mahogany Flats unit (m above Charcoal Kilns Ss)

Location: ***See Appendix A***

WR1-38	242	2.92	-11.15	sandy ds (ND2?)
WR1-37	236	2.10	-11.51	sandy ds (ND2?)
WR1-36	235	-0.04	-11.05	gy ds w/ qtz-grains, dolomcrts
WR1-35	228	2.87	-7.45	gy ds w/ qtz-grains, dolomcrts
WR1-34	220	-0.04	-10.39	gy ds w/ qtz-grains, dolomcrts
WR1-33	212			gy ds w/ qtz-grains, dolomcrts
WR1-32	208	2.28	-8.41	gy ds w/ qtz-grains, dolomcrts
WR1-31	202	-2.62	-12.95	gy ds w/ qtz-grains, dolomcrts
WR1-30	196	2.54	-8.27	gy ds w/ qtz-grains, dolomcrts
WR1-29	190	0.84	-11.05	gy ds w/ qtz-grains, dolomcrts
WR1-28	184	0.41	-10.46	gy ds w/ qtz-grains, dolomcrts
WR1-27	176	1.82	-9.24	gy ds w/ qtz-grains, dolomcrts
WR1-26	167	1.50	-9.43	gy ds w/ qtz-grains, dolomcrts
WR1-25	161	2.87	-7.82	gy ds w/ qtz-grains, dolomcrts
WR1-24	155	1.00	-8.12	gy ds w/ qtz-grains, dolomcrts
WR1-23	149	1.43	-8.75	karst; Ss lens; exposure intrvl.?
WR1-22	143	1.29	-9.21	karst; Ss lens; exposure intrvl.?
WR1-21	137	0.62	-7.44	gy ds; stroms and trctn bdg
WR1-20	129	0.92	-8.37	gy ds; stroms and trctn bdg
WR1-19	123	-0.03	-8.45	gy ds; stroms and trctn bdg

WR1-18	117	1.50	-8.25	gy ds; stroms and trctn bdg
WR1-17	111	0.86	-6.92	gy ds; stroms and trctn bdg
WR1-16	105	0.10	-6.53	gy ds; stroms and trctn bdg
WR1-15	99	-0.66	-10.61	gy ds; stroms and trctn bdg
WR1-11	96	-0.84	-10.60	ltgy ds; wavy-// and micrbl lams
WR1-14	93	-0.44	-6.62	gy ds; stroms and trctn bdg
WR1-10	92	-1.19	-7.85	ltgy ds; wavy-// and micrbl lams
WR1-13	87	1.08	-8.42	gy ds; stroms and trctn bdg
WR1-9	86	-1.49	-7.93	ltgy ds; wavy-// and micrbl lams
WR1-12	85	-2.99	-12.59	gy ds; stroms and trctn bdg
WR1-8	80	-1.42	-7.38	ltgy ds; wavy-// and micrbl lams
WR1-7	72	-1.56	-7.13	ltgy ds; wavy-// and micrbl lams
WR1-6	65	-1.39	-7.69	ltgy ds; wavy-// and micrbl lams
WR1-5	59	-1.28	-7.45	ltgy ds; wavy-// and micrbl lams
WR1-4	53	-0.88	-6.83	ltgy ds; wavy-// and micrbl lams
WR1-3	47	-1.24	-7.35	ltgy ds; wavy-// and micrbl lams
WR1-2	41	-1.82	-6.85	ltgy ds; wavy-// and micrbl lams
WR1-1	35	-2.08	-7.13	Base of Mahogany Flats Mbr

East Wood Canyon

Location: ***36°19'30.76"N, 117° 4'27.06"W***

EWD-10	127	-1.13	-13.16	Thorndike
EWD-9	121	-1.61	-11.55	Thorndike
EWD-8	110	-1.85	-13.26	Thorndike
EWD-7	81	5.58	-12.33	Thorndike
EWD-6	70	-0.17	-13.43	Thorndike
EWD-5	58	4.36	-12.45	Thorndike
EWD-4	45	4.68	-10.17	Thorndike
EWD-3	29	-1.25	-13.22	Thorndike
EWD-2	21	3.89	-9.51	Thorndike
EWD-1	8	4.41	-12.27	Thorndike

Martin Cabin (lower plate section)

Location: ***See Appendix A***

MC-1	-4	-4.38	-12.47	CO3-cmtd diamicte below SP
MC-2	0	-2.80	-12.50	Sentinel Peak micritic Ls
MC-3	0.5	-3.42	-10.08	Sentinel Peak micritic Ls
MC-4	1	-3.25	-11.09	Sentinel Peak micritic Ls
MC-5	1.5	-3.39	-12.92	Sentinel Peak micritic Ls
MC-6	2	-3.15	-12.80	Sentinel Peak micritic Ls

MC-7	8.5	-4.49	-13.15	thn ls intrbds in arkosic sh-sS
MC-8	10	-5.73	-12.88	thn ls intrbds in arkosic sh-sS
MC-9	15	-5.50	-12.78	thn ls intrbds in arkosic sh-sS
MC-10	24	-5.12	-12.22	thn ls intrbds in arkosic sh-sS
MC-11	28	-5.49	-13.20	thn ls intrbds in arkosic sh-sS
MC-12	34.5	-6.08	-12.82	thn ls intrbds in arkosic sh-sS
MC-13	57.5	-5.16	-13.56	thn ls intrbds in arkosic sh-sS
MC-14	67.5	-5.22	-14.35	ds (Unit 10)
MC-15	96	-5.97	-13.62	thn ls in grngy phyllite (Unit 13)
MC-16	98	-4.60	-10.13	thn ls in grngy phyllite (Unit 13)
MC-17	101	-5.72	-13.59	thn ls in grngy phyllite (Unit 13)
MC-18	104.5	-5.09	-10.72	thn ls in grngy phyllite (Unit 13)
MC-19	107.5	-5.38	-11.97	thn ls in grngy phyllite (Unit 13)
MC-20	111	-3.40	-7.79	thn ls in grngy phyllite (Unit 13)
MC-21	114	-4.82	-13.05	thn ls in grngy phyllite (Unit 13)
MC-22	118	-1.72	-11.61	ls lmnts, rare breccias (Unit 14)
MC-23	121.5	-4.44	-12.49	ls lmnts, rare breccias (Unit 14)
MC-24	126	-3.49	-11.06	ls lmnts, rare breccias (Unit 14)
MC-25	131	-1.41	-12.69	ls lmnts, rare breccias (Unit 14)
MC-26	137.5	-1.30	-12.30	ls lmnts, rare breccias (Unit 14)
MC-27	143.5	-0.95	-11.75	ls lmnts, rare breccias (Unit 14)
MC-28	147.5	-1.22	-11.78	ls lmnts, rare breccias (Unit 14)
MC-29	152	-0.49	-11.18	ls lmnts, rare breccias (Unit 14)
MC-30	159.5	-1.12	-13.99	sandy ds (Unit 16)
MC-31	210	-1.06	-14.48	ds, ds breccia ('Mahogany Flats'?)
MC-32	211	-1.51	-14.13	ds, ds breccia ('Mahogany Flats'?)
MC-33	212	-2.52	-11.53	ds, ds breccia ('Mahogany Flats'?)
MC-34	218	-2.26	-12.04	ds, ds breccia ('Mahogany Flats'?)
MC-35	222	-1.55	-11.56	ds, ds breccia ('Mahogany Flats'?)
MC-36	224	-1.61	-13.12	sandy Ds ('ND2')
MC-37	233	-2.49	-13.34	sandy Ds ('ND2')
MC-38	243	-1.40	-12.60	sandy Ds ('ND2')

North side of Aguereberry Rd (NSAR)- 'Mystery' black Ls

Location: ***36°22'3.75"N, 117° 5'39.39"W***

AR-1		-1.05	-12.32	ls beds in drk phyllite
AR-2		3.19	-9.01	ls beds in drk phyllite
AR-3		-3.29	-11.98	ls - blk phyllite intrbdd interval
AR-4		-3.48	-11.63	ls - blk phyllite intrbdd interval
AR-5		-4.04	-12.61	ls - blk phyllite intrbdd interval
AR-6		-3.12	-11.01	ls - blk phyllite intrbdd interval
AR-7		0.68	-10.49	dolostone bed
AR-8		-1.60	-10.76	ls bed
AR-9		-3.92	-11.11	drk banded grphtic ls
AR-10		-2.79	-10.93	drk banded grphtic ls
AR-11		-2.39	-10.27	drk banded grphtic ls
AR-12		-2.17	-10.16	drk banded grphtic ls
AR-13		-3.43	-11.11	drk banded grphtic ls
AR-14		-3.80	-10.74	thk CO3-clast cgr beds
AR-15		-1.85	-11.18	thk CO3-clast cgr beds
AR-16		-2.27	-11.52	thk CO3-clast cgr beds

North Skidoo

Location: ***See Appendix A***

RP03-60.20	500	-0.78	-11.53	CO3 breccias above arkose-sS unit
RP03-60.19	490	-1.55	-12.53	CO3 breccias above arkose-sS unit
RP03-60.18	480	-2.69	-13.59	CO3 breccias above arkose-sS unit
RP03-60.17	465	-1.96	-11.28	CO3 breccias above arkose-sS unit
RP03-60-16	455			no carbonate (qtz Ss)
RP03-60.15	325			no carbonate (qtz Ss)
RP03-60.14	300	-2.93	-10.63	top 'ND'
RP03-60.13	265	-2.49	-9.45	ND
RP03-60.12	250	-2.49	-8.87	ND
RP03-60.11	230	-2.28	-8.57	base 'ND'
RP03-60.10	220	2.78	-10.63	Thrndke top
RP03-60.09	200	-2.19	-12.48	Thorndike
RP03-60.08	165	4.37	-13.56	Thorndike
RP03-60.07	155	5.95	-11.05	Thorndike
RP03-60.06	125	-0.98	-11.92	Thorndike
RP03-60.05	115	7.25	-12.38	Thorndike
RP03-60.04	85	5.63	-13.82	Thorndike
RP03-60.03	75	0.06	-12.10	Thorndike
RP03-60.02	65	-3.83	-11.73	Thorndike base
RP03-60.01	0	5.42	-11.79	probably BS (not SD)

Providence Ridge

Location: ***36°21'43.97"N, 117° 6'42.61"W***

PR-1		-3.43	-14.50	Prov Rdge Ds (aka Sent Pk)
PR-1A	0	-3.76	-14.04	Prov Rdge Ds (aka Sent Pk)
PR-2	0.25	-3.13	-13.68	Prov Rdge Ds (aka Sent Pk)
PR-3	0.5	-3.79	-14.42	Prov Rdge Ds (aka Sent Pk)
PR-4	0.75	-3.43	-14.31	Prov Rdge Ds (aka Sent Pk)
PR-5	1	-3.49	-14.39	Prov Rdge Ds (aka Sent Pk)
P5-6	1.5	-3.98	-14.05	Prov Rdge Ds (aka Sent Pk)
PR-7	2	-4.06	-14.76	Prov Rdge Ds (aka Sent Pk)

Saddle Peak Hills, central (cap on 1m thick diamictite)

Location: ***35°43'18.97"N, 116°20'54.62"W***

SPC-8	3	-2.53	-9.26	up. cap lmnte w/ mm-tk rd sh
SPC-7	2.05	-2.34	-11.43	up. cap lmnte w/ mm-tk rd sh
SPC-6	1.2	-2.57	-9.52	up. part cap lmnt rd sh prtng
SPC-5	0.9	-2.56	-8.83	up. part cap lmnt rd sh prtng
SPC-4	0.6	-2.69	-9.01	up. part cap lmnt rd sh prtng
SPC-3	0.4	-1.91	-8.20	up. part cap lmnt rd sh prtng
SPC-2	0.2	-2.25	-8.77	up. part cap lmnt rd sh prtng
SPC-1	0.02	-2.34	-8.35	up. part cap lmnt rd sh prtng

Saddle Peak Hills, northern (lower and upper ND & 'Ibex')

Location: ***35°45'33.37"N, 116°21'39.31"W***

SPN-21	213	-3.15	-7.76	upper Nd tubes-lams (tubes +200m tk)
SPN-20	210	-3.42	-8.13	upper Nd tubes-lams (tubes +200m tk)
SPN-9	7	-3.20	-9.01	lower tubes
SPN-8	5.5	-3.22	-8.86	lower tubes
SPN-7	4.2	-3.62	-8.25	lower tubes
SPN-6	3.7	-2.75	-7.05	basal lam ND (on 'KP4'; CSl block)
SPN-5	2.5	-2.85	-7.15	basal lam ND (on 'KP4'; CSl block)
SPN-4	1.5	-3.27	-6.86	basal lam ND (on 'KP4'; CSl block)
SPN-3	1	-2.94	-7.13	basal lam ND (on 'KP4'; CSl block)
SPN-2	0.6	-2.65	-7.02	basal lam ND (on 'KP4'; CSl block)
SPN-1	0.15	-2.90	-6.48	basal lam ND (on 'KP4'; CSl block)

Southern Ibex Hills (Type Locality; sect. D on Figure 10, Chapter II)

Location: ***35°45'27.22"N, 116°25'56.19"W***

IH-10	11	-2.96	-8.64	yltn ds lmnts
IH-9	9	-3.00	-9.49	yltn ds lmnts
IH-8	8	-2.01	-8.61	yltn ds lmnts
IH-7	7.1	-1.74	-9.75	yltn ds lmnts
IH-6	5	-2.02	-8.66	yltn ds lmnts

IH-5	4.2	-2.29	-8.52	yltn ds lmnts (2.2m breccia below)
IH-4	1.8	-2.38	-9.46	yltngy lam to wavy-// ds
IH-3	1.3	-1.95	-8.65	yltngy lam to wavy-// ds
IH-2	0.9	-2.39	-10.67	yltngy lam to wavy-// ds
IH-1	0.2	-1.19	-15.44	yltngy lam to wavy-// ds

Southern Ibex Hills

Location: ***35°45'29.17"N, 116°25'58.64"W***

IH-A	0.01	-2.77	-9.54	lam upr cap on debrite
IH-B	0.5	-2.05	-9.97	lam upr cap on debrite
IH-C	1	-2.30	-9.49	lam upr cap on debrite
IH-A0	0.02	-2.04	-7.97	lam upr cap on debrite
IH-B0	0.5	-2.45	-8.05	lam upr cap on debrite
IH-C0	1	-3.19	-9.97	lam upr cap on debrite

Southern Nopah Range: ND1

Location: ***35°50'9.44"N, 116° 6'56.43"W***

SN-ND-1	0.05	-2.62	-6.67	ds lam = basal Noonday1 = SP
SN-ND-2	0.15	-2.61	-6.31	ds lam = basal Noonday1 = SP
SN-ND-3A	0.25	-2.59	-6.34	ds lam = basal Noonday1 = SP
SN-ND-4	2.25	-2.73	-6.82	ds 'tubers' = tubestone ND1
SN-ND-5	4.25	-2.65	-6.83	ds 'tubers' = tubestone ND1
SN-ND-6	6.25	-3.70	-6.06	ds 'tubers' = tubestone ND1
SN-ND-7	8.25	-3.28	-6.26	ds 'tubers' = tubestone ND1
SN-ND-8A	10.25	-2.78	-5.76	ds 'tubers' = tubestone ND1
SN-ND-8B	10.25	-3.26	-8.92	ds 'tubers' = tubestone ND1
SN-ND-9A	14	-3.50	-6.83	ds 'tubers' = tubestone ND1
SN-ND-9B	14	-3.39	-13.19	ds 'tubers' = tubestone ND1
SN-ND-10	18	-2.44	-6.01	ds 'tubers' = tubestone ND1
SN-ND-12	26	-3.02	-7.20	ds 'tubers' = tubestone ND1
SN-ND-14	34	-3.30	-5.91	ds 'tubers' = tubestone ND1
SN-ND-15	38	-3.03	-6.66	ds 'tubers' = tubestone ND1
SN-ND-15	38	-3.03	-6.66	ds 'tubers' = tubestone ND1
SN-ND-17	46	-3.50	-8.43	ds 'tubers' = tubestone ND1
SN-ND-22	66	-2.16	-5.14	ds 'tubers' = tubestone ND1
SN-ND-24	74	-3.45	-7.56	ds 'tubers' = tubestone ND1
SN-ND-26	82	-3.40	-11.69	ds 'tubers' = tubestone ND1
SN-ND-28	88	-1.88	-6.52	ds 'tubers' = tubestone ND1
SN-ND-30	96	-2.47	-7.69	ds 'tubers' = tubestone ND1
SN-ND-33	108	-2.67	-8.77	ds 'tubers' = tubestone ND1
SN-ND-37	124	-2.40	-9.84	ds 'tubers' = tubestone ND1
SN-ND-38	128	-3.11	-7.55	ds 'tubers' = tubestone ND1
SN-ND-40	136	-2.55	-6.38	ds 'tubers' = tubestone ND1
SN-ND-41	140	-3.05	-7.61	ds 'tubers' = tubestone ND1

SN-ND-43	148	-2.40	-6.66	ds 'tubers' = tubestone ND1
SN-ND-46	160	-2.70	-5.82	ds 'tubers' = tubestone ND1
SN-ND-47	164	-2.49	-5.94	ds 'tubers' = tubestone ND1
SN-ND-49	172	-2.83	-6.01	ds 'tubers' = tubestone ND1
SN-ND-52	184	-2.86	-5.68	ds 'tubers' = tubestone ND1
SN-ND-54	190	-3.15	-6.99	ds 'tubers' = tubestone ND1
SN-ND-56	198	-3.10	-6.45	ds 'tubers' = tubestone ND1
SN-ND-59	201	-3.22	-6.68	ds 'tubers' = tubestone ND1
SN-ND-60	202	-2.84	-6.54	ds 'tubers' = tubestone ND1
SN-ND-61	208	-3.44	-6.53	ds 'tubers' = tubestone ND1
SN-ND-62	212	-2.98	-6.92	ds 'tubers' = tubestone ND1
SN-ND-63	215	-3.11	-6.66	ds 'tubers' = tubestone ND1
Location:	***35°49'11.78"N, 116° 5'17.62"W***			
SNP-3	215.1	-3.05	-7.85	base upper cap lmnte
SNP-4	215.6	-3.48	-8.36	up. cap lmnte
SNP-5	217.4	-3.03	-7.56	up. cap lmnte
SNP-6	218.4	-3.35	-8.68	up. cap lmnte
SNP-7	219.9	-3.12	-8.09	up. cap lmnte
SNP-8	221.4	-3.14	-7.90	up. cap lmnte
SNP-9	222.6	-3.46	-8.18	wavy-prll lams, psuedo tepees
SNP-10	224.4	-3.16	-8.09	wavy-prll lams, psuedo tepees

South Skidoo section - Thorndike Ls

Location: ***See Appendix A***

SS-1	9.5	-1.64	-13.77	Unit 2 (sharp on 'Good Mtn Girl')
SS-2	11	-0.55	-12.64	Unit 2 (sharp on 'Good Mtn Girl')
SS-3	13	0.20	-13.25	Unit 2 (sharp on 'Good Mtn Girl')
SS-4	16.5	2.39	-11.57	Unit 3
SS-5	20	5.18	-11.25	Unit 3
SS-6	25	2.24	-12.82	Unit 3
SS-7	29	5.39	-11.99	Unit 3
SS-8	33	3.91	-11.50	Unit 3
SS-9	34	-4.19	-16.41	Unit 4
SS-10	36.5	0.07	-14.64	Unit 4
SS-11	41.5	0.52	-14.57	Unit 4
SS-12	45	5.50	-11.60	Unit 4
SS-13	49	3.64	-10.46	Unit 4
SS-14	52	3.40	-14.89	Unit 4
SS-15	72	0.76	-14.10	Unit 8
SS-16	75	2.37	-13.05	Unit 8
SS-17	83	6.76	-10.22	Unit 8
SS-18	90	4.59	-11.50	Unit 8
SS-19	96	5.30	-11.16	Unit 8
SS-20	100	6.71	-13.02	Unit 8
SS-21	102	5.85	-11.08	Unit 8

SS-22	104.5	4.47	-14.88	Unit 9
SS-23	107	6.39	-11.69	Unit 10
SS-24	111	6.20	-12.08	Unit 10
SS-25	115	6.25	-12.01	Unit 10
SS-26	120	8.18	-9.22	Unit 10
SS-27	123	5.82	-11.28	Unit 10
SS-28	125.5	5.74	-12.25	Unit 10

South Wood Canyon

Location: ***See Appendix A***

SWC-1	100	-1.71	-9.55	Radcliff Ls
SWC2	85	-3.15	-11.90	Radcliff Ls
SWC3	70	-4.29	-12.68	Radcliff Ls
SWC-4	55	-4.32	-12.05	Radcliff Ls
SWC-5	37	-4.66	-11.39	Radcliff Ls
SWC-6	17	-5.15	-13.21	Radcliff just above SP
RP02-29h	16	-3.89		Sent Pk top
RP02-29g	13.714286	-3.57		Sent Pk
RP02-29f	11.428571	-4.19		Sent Pk
RP02-29e	9.1428571	-3.60		Sent Pk
RP02-29d	6.8571429	-3.56		Sent Pk
RP02-29c	4.5714286	-3.00		Sent Pk
RP02-29b	2.2857143	-2.91		Sent Pk
RP02-29a	0	-3.09		Sent Pk base

Staircase Canyon

Location: ***36°33'51.99"N, 117° 9'31.35"W***

SCC-13	3	-1.92	-13.46	intbd ls-ms
SCC-12	2.5	-4.42	-13.51	intbd ls-ms
SCC-11	2	-3.66	-13.97	intbd ls-ms
SCC-10	1.5	-4.06	-14.09	Sent Pk (fine ls)
SCC-9	1.45	-3.75	-14.11	Sent Pk (fine ls)
SCC-8 (not sent)				Sent Pk (fine ls)
SCC-7	1.1	-3.87	-14.09	Sent Pk (fine ls)
SCC-6 (not sent)				Sent Pk (fine ls)
SCC-5	0.7	-3.83	-14.16	Sent Pk (fine ls)
SCC-4 (not sent)				Sent Pk (fine ls)
SCC-3	0.3	-3.61	-14.13	Sent Pk (fine ls)
SCC-2 (not sent)				Sent Pk (fine ls)
SCC-1	0.05	-3.64	-14.09	Sent Pk (fine ls)
Location:	***36°33'56.04"N, 117° 9'40.51"W***			
SCC-101	GRAB	-0.74	-12.17	probable TD (not SD) above thrust
SCC-102	GRAB	3.41	-12.60	probable TD (not SD) above thrust

SCC-103	GRAB	4.54	-11.87	probable TD (not SD) above thrust

Tucki Mine

Location: ***See Appendix A***

TM-22	700	-3.68	-13.21	Radcliff (ls)
TM-21	680	-4.02	-13.15	Radcliff (ls)
TM-20	660	-4.06	-13.08	Radcliff (ls)
TM-19	655	-2.02	-9.82	Sentinel Peak
TM-18	645	-2.56	-10.60	Sentinel Peak
TM-17	635	-2.41	-11.22	Sentinel Peak
TM-16	630	-1.60	-12.30	upr Thrndike; ds
TM-15	620	-1.59	-12.11	upr Thrndike; ds
TM-14	610	-2.51	-12.04	upr Thrndike; ds
TM-13	600	1.52	-13.59	Thorndike Ls
TM-12	580	3.28	-12.81	Thorndike Ls
TM-11	560	3.96	-13.62	Thorndike Ls
TM-10	540	3.33	-9.88	Thorndike Ls
TM-9	520	6.04	-10.55	Thorndike Ls
TM-8	500	0.08	-10.40	Thorndike Ls
TM-7	140	-4.42	-12.12	probable BS, but ls
TM-6	130	-2.31	-13.09	probable BS, but ls
TM-5	115	0.18	-11.78	probable BS, but ls
TM-4	95	0.75	-10.26	probable BS, but ls
TM-3	65	-0.60	-10.06	probable BS, but ls
TM-2	35	-0.74	-9.18	probable BS, but ls
TM-1	10	2.86	-8.97	probable BS, but ls

Western Wildrose (Dolly Parton Ridge) - Radcliff (SP-1m; lower Radcliff - 80m)

Location: ***36°16'35.28"N, 117° 6'16.23"W***

WR4-1	256	-0.12	-10.48	7m ltgy ds (lmnts and thkr beds)
WR4-2	250	-0.90	-11.25	7m ltgy ds (lmnts and thkr beds)
WR4-3	247	-4.65	-15.72	7m ltgy ds (lmnts and thkr beds)
WR4-4	235	-0.25	-12.72	ls lmnts, breccias
WR4-5	228	-2.65	-13.16	ls lmnts, breccias
WR4-6	220	-0.04	-9.85	ls lmnts, breccias
WR4-7	212	-3.08	-12.33	ls lmnts, breccias
WR4-8	204	-3.30	-12.86	ls lmnts, breccias
WR4-9	196	-3.69	-13.30	ls lmnts, breccias
WR4-10	188	-3.59	-13.60	ls lmnts, breccias
WR4-11	180	-3.49	-14.55	ls lmnts, breccias
WR4-12	172	-3.08	-13.76	ls lmnts, breccias
WR4-13	164	-3.96	-13.25	ls lmnts, breccias
WR4-14	156	-5.19	-12.69	ls lmnts, breccias
WR4-15	150	-3.94	-12.94	5m sandy ds

WR4-16	135	-5.25	-13.68	ls-gngy sS 'rhythmt'
WR4-17	119	-4.83	-12.52	ls-gngy sS 'rhythmt' (dip chnge)
WR4-18	104	-6.76	-13.87	CO3 breccia-lmnts in thn bd Ss
WR4-19	85	-6.29	-15.71	CO3 breccia-lmnts in thn bd Ss

Wildrose Canyon - Sourdough Limestone

Location: ***36°15'24.80"N, 117° 5'50.10"W***

WR3-11		2.20	-6.64	Sourdough Ls
WR3-10		-3.14	-14.38	Sourdough Ls
WR3-9		-2.96	-13.64	Sourdough Ls
WR3-8		-3.54	-14.09	Sourdough Ls
WR3-7		-2.51	-12.67	Sourdough Ls
WR3-6		-2.84	-12.45	Sourdough Ls
WR3-5		-3.26	-12.22	Sourdough Ls
WR3-4		-2.98	-12.47	Sourdough Ls
WR3-3		-3.76	-11.09	Sourdough Ls
WR3-2		-3.90	-10.12	Sourdough Ls
WR3-1		-4.80	-10.98	Sourdough Ls