Location: Exposures in Valley-Hites Quarry in the  $SE_4^1$ ,  $SE_4^1$ , Sec. 23, T.8N., R.3W., Dane County (Black Earth 7.5-minute topographic quadrangle, 1962).



Author: M. E. Ostrom (modified from Ostrom, 1970)

Description: The Valley-Hites Quarry section shows an unconformable relationship of the St. Lawrence and Jordan formations. From the evidence at this exposure it is apparent that 12 to 14 feet of the Lodi Siltstone Member of the St. Lawrence Formation was removed by erosion prior to deposition of the Jordan Sandstone. The contact is uneven and clasts of Lodi are incorporated in the lower 3 feet of the Jordan.

This relationship supports the theory of post-St. Lawrence and pre-Jordan regression and erosion followed by transgression and deposition which led to formation of the Jordan Sandstone (Ostrom, 1964). The angular unconformable relationship is illustrated at the west end of the quarry by 6 feet of Lodi Saltstone above the Black Earth Dolomite and below the Jordan Sandstone whereas about 100 feet to the southeast near the center of the quarry face there is about 20 feet of Lodi.

The possibility that the sandstone here might be the St. Peter Formation was considered but was dismissed for a combination of reasons, foremost which is that rock fragments in the lower few feet of the sandstones are similar to



Map of Black Earth area showing location of Valley-Hites Quarry and distribution of ridges capped by Oneota dolomite.

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#### SE<sup>1</sup><sub>4</sub>, SE<sup>1</sup><sub>4</sub>, sec.23, T.8N., R.3W. $\frac{1}{2}$ Mile North of Black Earth



rocks older than the Jordan Sandstone and bear no resemblance to younger rocks. Other confirming evidences are: 1) There is a distinct textural change in the sandstone from a burrowed fine and very fine grained sand in the base to a medium and coarse cross-bedded sand in the top which coincides with the difference between the Norwalk and Van Oser members of the Jordan, respectively; 2) there is no known St. Peter Sandstone within a one mile radius of the quarry and all of the local hills, which essentially surround the quarry except for a gap about  $\frac{1}{2}$  mile wide located  $\frac{1}{2}$  mile to the southwest and two small gaps to the northwest (refer to map), are capped by Oneota dolomite; 3) there is Oneota float in the soil zone at the top of the sandstone in the quarry; and 4) about 150 feet up-hill from the quarry there is Oneota dolomite in a small excavation which suggests that the Oneota dolomite occurs above the sandstone; 5) the erosion surface at the top of the St. Lawrence is inclined northward into the hill and thus beneath the Oneota dolomite cap; and similarly, 6) cross beds in the sandstone are inclined mainly north and northwest beneath the dolomite cap indicating transport of sand in that direction which is interpreted to indicate that the sandstone persists beneath the Oneota. Thus it is inferred the sandstone is indeed Jordan rather than St. Peter.

The lighologic section at other exposures in the area is similar to that of the Valley-Hites Quarry except they lack the obvious angular relationship between the St. Lawrnce and Jordan. At these exposures the contact of the two formations ranges from abrupt lithologic change (examples: bluff at the east side of the village of Mazomanie about 3.5 miles west of the Valley-Hites Quarry and a roadcut located about 615 miles east of the quarry and 1.9 miles east of the village of Cross Plains at the north side of U. S. Highway 14 in the  $SW_4^1$ ,  $NE_4^1$ , Sec. 11, T.7N., R.7E.) to one of apparent transition (example: road cut at the west side of County Highway "F" about 0.4 miles north of the quarry entrance). Sharp lithologic change at this contact can also be seen in a roadcut on Highway 93 south of Arcadia and about 120 miles to the northwest of Black Earth at the Viroqua/Reedstown stop.

Additional evidence to support the presence of this unconformity on a regional scale is provided by the record of subsurface well cuttings. A cross section constructed from studies of cuttings from wells located on an approximately north-south line through Winnebago County in east-central Wisconsin shows this relationship clearly (Ostrom, 1964 and 1970, p. 29, Fig. 17). In addition, many wells in southeastern Wisconsin have no Jordan Sandstone and the underlying St. Lawrence Formation and the Tunnel City Group are markedly thinned which suggests their removal by erosion prior to deposition of younger rocks. Examples of well logs which show these relationships are attached (Dg-59, all units present; Dg-135, no Jordan but abundant red shale; Ww-539, no Jordan and thin St. Lawrence; Ra-359, no Jordan or St. Lawrence).

An interesting feature of the Valley-Hites Quarry is the evidence for solution and clay formation along joints and fractures in the St. Lawrence Formation. It appears the red clay in the base of the Jordan Sandstone was derived from the St. Lawrence which is interpreted to signify pre-Jordan development of the solution features and of the clay. Driller's reports of caves and the presence of thick sections of red shale, siltstone, and sandstone in the St. Lawrence Formation in southeastern Wisconsin tend to support this theory. The red color of the Jordan Sandstone is noted at many but not all of its exposures in the Black Earth area. Significance: This exposure shows the relationship the St. Lawrence Formation to the Jordan Formation and provides evidence of the historical significance of this relationship.

What is the relationship of the St. Lawrence Formation to the Jordan Formation? What is the evidence? What happened prior to deposition of the Jordan? How was the Jordan deposited?

References: Ostrom, 1964 and 1970.

System	Series	Stage	Group	Formation	Members and Submembers	DOMINANT LITHOLOGY	Approx maxi thick in	ximate imum kness feet
		rentonian	8	Galena	Dubuque Nise Slewartzille Sinsinawa Dunieth Dunieth Jon Submbr.	1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1  1  1  1  1  1  1    1  1 <td>230</td> <td>45 85 125</td>	230	45 85 125
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-?	-?	-?			Stockton Hickory Ridge Hill Sunset Point		35	5
		ealeauar		Jordan	Van Oser Norwalk		60	0
z	c	Tremp		St. Lawrence	Lodi Black Earth		50	0
CAMBRIA	St. Croixa	anconian	Tunnel City	Mazomanie Rock	Reno Tomah Birkmose		20	ю
		ian Fr	pun	Wonewoc	Ironton Galesville		10	0
		pach	Elk Mo	Eau Claire			25	ю,
		Dres		Mt. Simon		P	50	ю

- ∆ chert
- a oolitic chert
- ⊙ oolites
- a openings (vugs, etc.)
- ,⊥ dolomitic
- XXX bentonite
- G glauconite
- P pyrite
- M mica

- Receptaculites
- ∧ Prasopora

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- ଲ algae
  - burrows
- conglomeratic
- ? questionable relationship
- F feldspar
- Ph phosphate pellets

	Limestone
	dolomitic
	sandy
	shaly
(1, 1, 1, 1)	Dolomite
11,1,1	calcitic
	sandy
	shaly
rrr	

KEY TO SYMBOLS

Sandstone coarse
medium
fine
coarse, medium and fine
Conglomerate
 Siltstone
Shale

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Formations: Drift; Frairie-du Chion (Lever Vegnesian); Trompealeru; Franconia Sand in vater irobebly from below 215

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### UNIVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 1815 University Avenue, Madison, Wisconsin 53706

Well name City of Whitewater, Wis. Well #7 Sample Nos. 259741 to 259920

s	. {	180-195 195-200	15 5		<u>Ss.y] gry,M&amp;C,rnd,P srtg,tr fn; sit tr pyr-cem &amp; lim-cem</u> Ss,pl yl gry,M&fn,rnd,P srtg,VP lim-pyr&dol-cem,4tl Vin,trC;tr cyd
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		385-405			ltl C; itl dol cem, tr Fe stn, <u>Ss,Vpl or,M&amp;fn,rnd,P srtg,P dol-cem, tr pl yl or dol</u> Itl C;Itl dol cem, Ss Vpl grv or&pl yl or M&fn rnd P srtg P dol-cem tr Fe stn '
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V I L	a	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ \hline a35-440\\ 440-445\\ 445-450\\ 450-455\\ 455-460\\ 460-465\end{array}$	15 5 5 5 5 5		ltl C; ltl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;ltl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,'
V I L L		<u>385-405</u> <u>405-415</u> <u>415-430</u> <u>430-435</u> <u>435-440</u> <u>440-445</u> <u>445-450</u> <u>455-460</u> <u>460-465</u>	15 5 5 5 5 5 5 5		Itl C; Itl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;Itl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl or,fn,Srnd,P srtg,ItlM&Ctr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,trVfn;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,M&fn,rnd&Srnd,ItM;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,M&fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,M&fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe stn Ss, pl yl,fn,rnd&Srnd,P srtg,Itl M;Vpl or dol, lim-cem & Fe stn (,11 Vpl o
V I L E		385-405 405-415 415-430 430-435 435-440 440-445 445-450 455-460 460-465 465-480	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Itl C; Itl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;Itl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl or,fn,Srnd,P srtg,ItlM&Ctr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,tnVfn;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,ltM;Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,Vpl or dol,lim-cem & fe stn Ss,Vpl gry or&pl yl or,fn,Vpl or dol,li
V I L E	50	385-405 405-415 415-430 430-435 A35-440 440-445 445-450 455-460 460-465 465-480 -480-485 485-480	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Itl C; Itl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;Itl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,trVfn;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,liM;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,vP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st'
V I L E E	50	385-405 405-415 415-430 430-435 435-440 440-445 445-450 450-455 465-460 460-465 465-480 -485-490 485-490	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		<pre>itl C; itl dol cem, tr Fe stn, Ss,Vpl or,M&amp;fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;Itl dol cem, Ss,Vpl gry or&amp;pl yl or,M&amp;fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&amp;fn,rnd,P srtg,tr C; tr pl or dol, lim-cem &amp; Fe stn Ss,Vpl or,fn,Srnd,P srtg,tt IM&amp;Ctr pl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn&amp;M,Srnd,trVpl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,trVfn;trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,liM;trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem Ss, pl yl,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn,ltlM;Vpl or dol,lim-cem&amp;Fe stn,dol-tem r Ss,Vpl gry or&amp;pl yl or,fn,ltlM;Vpl or dol,lim-cem&amp;Fe stn,dol-tem r Ss,Vpl rd,fn&amp;Vfn,trM;mch rd stn,ltl pl rd&amp;pl yl or glaucic dol,glauc</pre>
V I L E E A	50	385-405 405-415 415-430 430-435 435-440 440-445 445-450 450-455 465-460 460-465 465-480 -485-490 485-490 495-500	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		<pre>ltl C; ltl dol cem, tr Fe stn, Ss,Vpl or,M&amp;fn,rnd,P srtg,P dol-cem, tr pl yl or dol ltl C;ltl dol cem, Ss,Vpl gry or&amp;pl yl or,M&amp;fn,rnd,P srtg,P dol-cem, tr Fe stn,'</pre>
V I L E E A	50	$\begin{array}{r} 385-405 \\ 405-415 \\ 415-430 \\ 430-435 \\ 335-440 \\ 440-445 \\ 445-450 \\ 450-455 \\ 455-460 \\ 460-465 \\ 465-480 \\ 460-465 \\ 465-480 \\ 485-490 \\ 490-495 \\ 495-500 \\ 500-505 \end{array}$	15 55 55 55 55 55 55 55 55 55 55 55		<pre>ltl C; ltl dol cem, tr Fe stn, Ss,Vpl or,M&amp;fn,rnd,P srtg,P dol-cem, tr pl yl or dol ltl C;ltl dol cem, Ss,Vpl gry or&amp;pl yl or,M&amp;fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&amp;fn,rnd,P srtg,tr C; tr pl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn&amp;M,Srnd,trVpl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,ltM;trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,ltlM;Vpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss,Vpl rd,fn&amp;Vfn,trM;mch rd stn,ltl pl rd&amp;pl yl or glaucic dol,glauc Sh,pl rd,Pdol-cem,mch gn&amp;dk rd sh;mch pl rd glauc;dol qtz st,tr In Ss,pl rd,fn&amp;Vfn,Sang,P dol-cem,mch pl rd dol,ltl gn sh,tr glaucsnd Sh,pl rd,P dol-cem,mch Vfn&amp;fn snd;ltl st&amp;pl rd dol, tr gn sh tr gn sh tt glauc</pre>
V I L E E A U	50	385-405 405-415 415-430 430-435 435-440 440-445 445-450 450-455 465-460 460-465 465-480 -480-485 485-490 480-485 485-490 500-505 500-505	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Itl C; Itl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;Itl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,trM;mch rd stn,tl M;trVpl or dol,lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss,Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss,Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss,Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss,Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st' Ss,Vpl rd,fn&Vfn,trM;mch rd stn,ltl pl rd glauc;dol qtz st,tr fn Ss,pl rd,fn&Vfn,Sang,P dol-cem,mch pl rd dol,ltl gn sh,tr glaucsnd Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh Sh,pl rd,P dol-cem,mchVfn&fn snd;ltl st&pl rd dol, con y appearance
V I L E E A U	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 335-440\\ 440-445\\ 445-450\\ 450-455\\ 455-460\\ 460-465\\ 465-480\\ 460-465\\ 465-480\\ 480-485\\ 485-490\\ 490-495\\ 495-500\\ 500-505\\ 505-515\\ 515-520\\ \end{array}$	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		<pre>ltl C; ltl dol cem, tr Fe stn, Ss,Vpl or,M&amp;fn,rnd,P srtg,P dol-cem, tr pl yl or dol ltl C;ltl dol cem, Ss,Vpl gry or&amp;pl yl or,M&amp;fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,fn,Srnd,P srtg,tr C; tr pl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn&amp;M,Srnd,trVpl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,ltM;trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,ltlM;Vpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st Ss,Vpl gry or&amp;pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st Ss,Vpl rd,fn&amp;Vfn,tm;mch rd stn,ltl pl rd glauc;dol qtz st,tr fn Ss,pl rd,fn&amp;Vfn,Sang,P dol-cem,mch pl rd dol,ltl gn sh,tr glaucsnd Sh,pl rd,P dol-cem,mch Vfn&amp;fn snd;ltl st&amp;pl rd dol, tr gn sh tr gn sh,ltl glauc Sh,pl rd,P dol-cem,mchVfn&amp;fn snd;ltl st&amp;pl rd dol, oily appearance Dol,rd,fn&amp;Vfn,dns;mch fn&amp;Vfn snd;&amp;pl rd sh,ltl glauc &amp; st</pre>
V I L E E A U U	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 335-440\\ 440-445\\ 445-450\\ 450-455\\ 455-460\\ 460-465\\ 465-480\\ 460-465\\ 465-480\\ 485-490\\ 490-495\\ 495-500\\ 500-505\\ 505-515\\ 515-520\\ 520-525\\ \end{array}$	15 5 5 5 5 5 5 5		<pre>ltl C; ltl dol cem, tr Fe stn, Ss,Vpl or,M&amp;fn,rnd,P srtg,P dol-cem, tr pl yl or dol ltl C;ltl dol cem, Ss,Vpl gry or&amp;pl yl or,M&amp;fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,fn,Srnd,P srtg,tr C; tr pl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn&amp;M,Srnd,trVpl or dol, lim-cem &amp; Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,ltM;trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,rnd&amp;Srnd,P srtg,trVpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,thM;Vpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,ltlM;Vpl or dol,lim-cem&amp;Fe stn Ss,Vpl gry or&amp;pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st Ss,Vpl gry or&amp;pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st Ss,Vpl rd,fn&amp;Vfn,tmSinch rd stn,ltl pl rd glauc;dol qtz st,tr fn Ss,pl rd,fn&amp;Vfn,Sang,P dol-cem,mch pl rd dol,ltl gn sh,tr glaucsnd Sh,pl rd,P dol-cem,mch Vfn&amp;fn snd;ltl st&amp;pl rd dol, tr gn sh tr gn sh,ltl glauc Sh,pl rd,P dol-cem,mch Vfn&amp;fn snd;ltl st&amp;pl rd dol, oily appearance Dol,rd,fn&amp;Vfn,dns;mch fn&amp;Vfn snd,&amp; pl rd sh,ltl glauc &amp; st Dol,rd mot pl gn&amp;pl yl gry,fn&amp;Vfn,dns;ltl fn&amp;Vfn snd&amp;gry rd sh, D d, d not pl gn&amp;pl yl gry,fn&amp;Vfn,dns;ltl fn&amp;Vfn snd&amp;gry rd sh,</pre>
V I L E A U U C I	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 435-440\\ 440-445\\ 445-450\\ 450-455\\ 455-460\\ 460-465\\ 465-480\\ 460-465\\ 465-480\\ 485-490\\ 490-495\\ 495-500\\ 500-505\\ 505-515\\ 505-515\\ 505-515\\ 505-530\\ 520-525\\ 520-520\\ 520-525\\ 520-5$	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		lt1 C; it1 dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol It1 C;lt1 dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,trVfn;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,lilM;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,tlM;Vpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem&Fe stn, Ss,Vpl rd,fn&Vfn,trM;mch rd stn,ltl pl rd&pl yl or glaucic dol,glauc Sh,pl rd,fn&Vfn,Sng,P dol-cem,mch pl rd dol,ltl gn sh,tr glaucSnd Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh, tr gn sh,ltl glauc Sh,pl rd,P dol-cem,mchVfn&fn snd;ltl st&pl rd dol, tr gn sh, Dol,rd,fn&Vfn,dns;mch fn&Vfn,dns;ltl fn&Vfn snd&gry rd sh, Dol,nck yl gn gry mot,Vfn,dns; tr glauc. Dol,nck yl gn gry mot,Vfn,dns; tr glauc.
V I L E E A U U C I I A	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 435-440\\ 440-445\\ 445-450\\ 450-455\\ 460-465\\ 460-465\\ 460-465\\ 460-465\\ 485-490\\ 460-465\\ 485-490\\ 490-495\\ 500-505\\ 505-515\\ 515-520\\ 500-505\\ 505-515\\ 515-520\\ 520-525\\ 525-530\\ 535-540\\ 330-335\\ 535-540\\ \end{array}$	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		ltl C; itl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;ltl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&Srnd,P srtg,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&Srnd,P srtg,trVpl or dol, lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,trVfn;trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem Ss, pl yl,fn,rnd&Srnd,P srtg,tll M;Vpl or dol, lim-cem fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem fe stn,dol-dem r Ss,Vpl gry or&pl yl or,fn,VP dol-cem,ltlM;ltl pl or dol-cem,tr st Ss,Vpl rd,fn&Vfn,trM;mch rd stn,ltl pl rd&pl yl or glauc;dol qtz st,tr ff Ss,pl rd,fn&Vfn,sng,P dol-cem,mch pl rd dol,ltl gn sh,tr glauc <sup>SIND</sup> Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh tr gn sh,ltl glauc Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh tr gn sh,ltl glauc Dol,rd,fn&Vfn,dns;mch fn&Vfn,dns;ltl fn&Vfn snd&gry rd sh, Dol,pnk yl gn gry mot,Vfn,dns; tr glauc Dol, it ol gry,Vfn,dns; mot gry dol,tr pyr,glauc,pl gn sh&Fe stn Dol, kg ng gry %gn,Vfn,ltl glauc& b gry sh
V I L E E A U U C I I A I I	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 435-440\\ 440-445\\ 445-450\\ 450-455\\ 460-465\\ 460-465\\ 460-465\\ 460-465\\ 485-480\\ 480-485\\ 485-490\\ 490-495\\ 495-500\\ 500-505\\ 515-520\\ 500-505\\ 505-515\\ 515-520\\ 520-525\\ 525-530\\ 520-535\\ 525-530\\ 535-540\\ 540-545\\ \end{array}$	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		ltl C; itl dol cem, tr Fe stn, Ss,Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;ltl dol cem, Ss,Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss,Vpl or,fn,Srnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss,Vpl gry or&pl yl or,fn,Srnd,P'srtg,trVpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,ItlM;Vpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,trM;Npl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,tlM;Vpl or dol,lim-cem&Fe stn Ss,Vpl gry or&pl yl or,fn,tM;M;Vpl or dol,lim-cem&Fe stn Ss,Vpl rd,fn&Vfn,sang,P dol-cem,mch pl rd glauc;dol qtz st,tr ff Ss,pl rd,fn&Vfn,sang,P dol-cem,mch pl rd dol,ltl gn sh,tr glauc;Md Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, coily appearance Dol,rd,fn&Vfn,dns;mch fn&Vfn snd, pl rd sh,ltl glauc & st Dol,rd mot pl gn&pl yl gry,fn&Vfn,dns;ltl fn&Vfn snd&gry rd sh, Dol, pnk yl gn gry mot,Vfn,dns; tr glauc Dol, It ol gry,Vfn,dns; mot gry dol,tr pyr,glauc,pl gn sh&Fe stn Dol,dk gn gry,Vfn,trFe stn,pyr,gry & gn sh & glauc
V I L E E A U U C I I A I I R	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 335-440\\ 440-445\\ 445-450\\ 450-455\\ 460-465\\ 460-465\\ 460-465\\ 460-465\\ 485-480\\ 480-485\\ 485-490\\ 490-495\\ 495-500\\ 500-505\\ 515-520\\ 505-515\\ 515-520\\ 520-525\\ 525-530\\ 530-535\\ 543-530\\ \end{array}$	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		ltl C; ltl dol cem, tr Fe stn, Ss.Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;ltl dol cem, Ss.Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn,' Ss.Vpl or,fn,Srnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem&Fe Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st Ss.Vpl rd,fn&Vfn,trM;mch rd stn,ltl pl rd&pl yl or glaucic dol,glauc Sh,pl rd,fn&Vfn,Sang,P dol-cem,mch pl rd dol,ltl gn sh,tr glauc Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, oily appearance Sh,pl rd,P dol-cem,mchVfn&fn snd;ltl st&pl rd dol, oily appearance Dol,rd,fn&Vfn,dns;mot fn&Vfn snd,& pl rd sh,ltl glauc & st Dol,rd,fn&Vfn,dns;mot gry dol,tr pyr,glauc,pl gn sh&Fe stn Dol,dk gn gry,Vfn,trFe stn,pyr,gry & gn sh & glauc Sh;lt ol gry,Volic,ltl pnk glaudic dol mch m:mch onk gn &
V I L E E A U U C I I A I I R E	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 435-440\\ 440-445\\ 445-450\\ 450-455\\ 460-465\\ 460-465\\ 460-465\\ 460-465\\ 485-480\\ 480-485\\ 495-500\\ 500-505\\ 505-515\\ 515-520\\ 500-505\\ 505-515\\ 515-520\\ 520-525\\ 525-530\\ 535-540\\ 543-550\\ 550-560\\ 550-560\\ \end{array}$	$  \begin{array}{r}    15 \\    5 \\ $		lt1 C; it1 dol cem, tr Fe stn, Ss.Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol It1 C;lt1 dol cem, Ss.Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn, Ss.Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fnSrnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,trVfn:trVpl or dol,lim-cem&Fe Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,P srtg,trVpl or dol,lim-cem & Fe Ss.Vpl gry or&pl yl or,fn,VP dol-cem,ltM;ltl pl or dol-cem,tr st Ss.Vpl rd,fn&Vfn,trM;mch rd stn,ltl pl rd&pl yl or glaucic dol,glauc Sh.pl rd,Pdol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh Ss.pl rd,fn&Vfn,dns;mch fn snd;ltl st&pl rd dol, oily appearance Dol,rd,fn&Vfn,dns;mch fn&Sfn snd;ltl st&pl rd dol, oily appearance Dol,rd,fn&Vfn,dns;mot gry dol,fr pyr,glauc,pl gn sh&Fe stn Dol,nk yl gn gry mot,Vfn,dns; tr glauc Dol, lt ol gry,Vfn,trFe stn,pyr,gry & gn sh & glauc Sh;lt ol gry,dolic,ltl pnk glaucic dol Ss.pnk yl gn gry mot,fn,rnd,P srtg,slgt dolic,gry glaucic dol,ltl sh
V I L E E A U U C I I A A I I R E	50	$\begin{array}{r} 385-405\\ 405-415\\ 415-430\\ 430-435\\ 335-440\\ 440-445\\ 445-450\\ 450-455\\ 455-460\\ 460-465\\ 465-480\\ 460-465\\ 465-480\\ 485-490\\ 480-485\\ 485-490\\ 490-495\\ 495-500\\ 500-505\\ 505-515\\ 515-520\\ 520-525\\ 515-520\\ 520-525\\ 535-530\\ 530-530\\ 540-545\\ 543-530\\ 550-560\\ \end{array}$	$  \begin{array}{r}    15 \\    5 \\ $		ltl C; itl dol cem, tr Fe stn, Ss.Vpl or,M&fn,rnd,P srtg,P dol-cem, tr pl yl or dol Itl C;ltl dol cem, Ss.Vpl gry or&pl yl or,M&fn,rnd,P srtg,P dol-cem, tr Fe stn, Ss.Vpl or,M&fn,rnd,P srtg,tr C; tr pl or dol, lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn&M,Srnd,trVpl or dol, lim-cem & Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol, lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,Srnd,P srtg,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd,trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd, flM;trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd, flM;trVpl or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,rnd&Srnd, P srtg,trVb or dol,lim-cem&Fe stn Ss.Vpl gry or&pl yl or,fn,ltlM;Vpl or dol,lim-cem&Fe stn Ss.Vpl rd,fn&Vfn,tM;mch rd stn,ltl pl rd&pl yl or glaucit dol,glauc Sh,pl rd,fn&Vfn,Sang,P dol-cem,mch pl rd dol, tr gn sh tr gn sh,ttl glauc Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh Sh,pl rd,P dol-cem,mch Vfn&fn snd;ltl st&pl rd dol, tr gn sh Dol,rd,fn&Vfn,dns;mch fn&Vfn snd,& pl rd sh,ltl glauc & st Dol,rd,fn&Vfn,dns;mch fn&Vfn snd,& pl rd sh,ltl glauc & st Dol,rd,fn&Vfn,dns;mch fn&Vfn snd,& pl rd sh,ltl glauc & st Dol,rd sn gry,Vfn,tfre stn,pyr,gry & gn sh & glauc Sh,lt ol gry,Vfn,tfe stn,pyr,gry & gn sh & glauc Sh,lt ol gry,dolic,ltl pnk glaudic dol mch m;mch pnk gn & Ss.pnk yl gn gry mot,fn,rnd,P srtg,slgt dolic,gry glaucic dol,ltl sh

# UNIVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY 1815 University Avenue, Madison, Wisconsin 53706

## Log No.95-Rg-359 Sample Nos. All Retained

### Well name: Ives Grove Golf Links

s							
I	· · · · · · · · · · · · · · · · · · ·	Graphic	Rock	T	I Gra	in Simo	
N	Depths	Graphic	Turne	Color	Mada	L Banage	Miscellaneous Characteristics
N		Section	Type	1992 B	Mode	Hange	
I	820-82°	1., 1	Dolomite	Gray brash	Pn	Fo/M	Motiled. Little red speakling, pyrite.
D	825-830	1,	11	11	2.9	18	Mattlad, Trace pyrite, and speckling.
-	630-835	1,-	11	11	- 11	11	Sama
E	835-840	, 1,		IT	n	r h	
E	840-845	1, 1	- 11	10		58	
	845-850	1 2 1		n	n		11
G	REU REE	1 1			M	13	Much Fn-C quartz sund. Trace punite.
D	800-800	1 1				1.	Bion floating quartz and quartz sand, Traca porita,
n	826 000	1		10			Sama
0	000 075			1.		Dert	an annuale Calana Diathousilla
U	875-890	1 1	Dolomite	Creen areas	Po		Much sand, Little shale, Trace pyrite, ripelasts,
P	880-885	1 = /	IS	UT CLOSE	11		Camo
2.0	885-890	/=	11	11	11		II II
	890-895		11	11	11		11
335	895-200	/ == /	18	rb	11		Little sand, scale, Trace ovrite.
	900-905	中心	Sandstone	Plak cray	C	Pn/C	Little mandy dolomite, dolonite-silica cenaut,
ST.	905-910	A. C	1	51	M	13	Same
P	910-915	C1 2. 00	11	11	MAC	Pn/VC	Same plus trace pyrite.
F.	915~920	47 44.00		11	E	18	5070.
	920-925	1. 1.1.00	- 18	0	16	11	Same plus trace will a c'art.
30'	925-930	· · A · · · •	. 11	13	14	н	Same
P	930-935	1AAA/	. Dolaniiia	n	M		Huch calling chart, quartz send. Trace green siale.
'n	035~040	/AGA/		11	ч		Saza
R	8-10-945	A/AA		11	11	Fn/H	
A	9-15-9:0	AA/A		11	11	**	Same plum trace pyrite.
I	950-955	GAA/A		11	- 10	11	Sama plus trace glausanita.
R	955-930	1.0/					Trace quartz sand, chart, trean state.
T	900-965	ZA G	11		- 11	11	Sama plus trace dauganita.
1	2:5-970	A/			16		Same but no glaugarite.
E	970-975	7-67			a -		Trace quartz send, treen shale.
	375-980	1, 1					3410
D	980-085	1,1			Fit		Traca real alle.
п	000-005				11	10	JAAR
	980-985	7 7		11	11	11	Same plug tanan danan evente
	1000 1000	10		14			little deuty ments frace main shale numlis
C	1005-1000	111		11	18	11	Came
H	1010-1015	1 111	51	11	0		11
I	1015-1020	1=1	11		18	54	Little meen dale. Trace purite subsir said
F	1020-1025	Ten G	н	11	38	15	Same plus trace clauconite.
-	1025-1030	/ G	11	11	11	11	Same but truce green shale.
N	1030-1035	G G /	11	11	12	54	Such green clauconitic stale. To pyr. claus. desy.otz and
- 1	1035~1040	7=7	11	Pak ryam	18		Little reen a ale. Trace drusy quartz, pyrite, send
115'	1040-1045	G/G		Prik ray	11	11	Little .: lauconite. Trace purite. floating quartz.
T	1045-1050	GKG	- 10	Pak rykm	19	11	Mich floating qtz, green siale, hil glaus, Tr portie.
UC	1050-1055	G4!	Sandstone	15	R	Vfn/C	Much dol gement. Ltl stale, red speckling. Tr claus. nyr.
NI	10:5-10:00	$\leftarrow \leftarrow G$	10	Red bretst	11	16	Mich dolomite cament. Trace shale, glauconite.
NT	1030-1095	to the We W.	-11	14	л	18	Much delonite coment, plauconitic shale.
EY	1035-1070	GL L _		11	15	Vra/M	Much delonite cenent, or mottled rd sh. Tr clausor ic.
L	1070-1075	反言調義	16	1	11	Vfn/C	Same but littla glaucanite.
35	107.1-1080	4 11.8	11	11	15	18	Cape
W S	1080-1085	- C	н	Pak ory& a	MAC	Star VC	Little green sials. Tr lim, dol cement, lauconite.
OA	1085-1090		11		11		SMIG
N N	2000-1000	Gia			H	n 0./0	
E D	1083-1100			Pnk ra7	G	.Fn/G	Trace reen stale, dolomite-pyrite coment.
	1100-110	Um 11			11	110 110	Little limonito. Trace green shale, dol, pyrite cond. L.
" S	1103-1110	Lin A			2. 110	STR/R	dittle limonite. Ir dolomiles-pyrite camari, w to civr.
OT	1110-1115	L- A			13.011		Jane
CO	1120 1120	The state of the				21	
N	11.0.1120	4	11	15	in l	11	Trace linealts, dolonite-pyrite coment, white court,
-	11:0 11:0	4	-1	0	11	11	9
E	1157-11-00	A Construction	11	11	11		1
65	11:00-33:25	· 0	0	1	11	11	11
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1	11.5	A CONTRACTOR AND ADDRESS		1.1. M. M. S.		10.0455	the rate with the treat state, 11monite,
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Page 4 of 6

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MECL.	i name City	of J	uncau, Wi	s, Well #3*
Same	le Nos - 26	7079	Fo	267205
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al l			/ /	
4	190-200	1 10	1. 1	bol, it al gry mot erv erv-enderh, dus, tr unkberv rd 111 M tr descen
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4	205-210	5	/ /	pol it ol gry mor pl yl hn yl gryfary dag itl Winswitz ylasdagoom
ļ	210-215	5	· · · · / · · ·	bol Vit ol gry mot gry⁢ by day work with the state of t
65	215-220	1 5	11	ballt al any mot gried be de willy, net hyve that sang sharer by
100	213-220			the start and sty mot stycest ba dos trm/VC; tr xladdescen purerd ba sper
1	220-225	- 2		ps, Vir of gry, & srtg, VP pyr-&dol-cem, ltl fn;tr pyr&dol-cem tr dol
	225-2.90	+ 2		ps, vit of gry, P srig, ir pyrpadol cem, mch fn, 111 Ctr VCAVfn; tr dol.
	230-235	- 2		ps, vpi or, r sreg, cr dol-, lim-apyr cem, mch in&C, cr Vin; tr dolagn sh
	235-240			ps, vol or, P srtg, tr F pyr-cem, mch fn&C, tr VC; tr gn sh
1 - I	249-245	5		Ss, Vpl or, F srtg, ach C, Itl fn&VC tr gn sh, pyr&Fe stn
1	245-250	5		Ss. Vpl or F srtg, mch M. Itl VC:tr gn sh. pyr. Fe stn&dol-cem
	250-255	5	10-100.h	Ss. Vpl or P srtg mch fn&C tr Vfn&VC-1t1 pl en&pl yl bn sh
	255-260	5	M	Sh.pl rd mot Vpl en.F srte mica:tr Vfn/C snd&wh cht
1	260-265	5	A = 4 -	Sh al rd F srte [t] al entr Vfn/C and mah abt
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1	100-310	1 3	1, 1,	put, vp. yr bn moc wn, das tr t, tr sady tr Vin/VC sadapyr, iti pi ba p
1	310-315	5	1,1	poi, vpi or mot pl yl bn, dns, ltl Vfn&C, ltl sndy; tr pyr, ools, wh cht,
1	315-320	5	1-1-1	Dol, Vpl or mot pl yl ba, das, tr Vfn&C. Itl sndy tr pyr. colic cht.
1	4		· @ / . A	Dol, pl yl bn mor wh, fn, dns, fr M&Vfn, mch sndy: mch ools, oolic cht.
1 55	320-330	10		tr atzeatz grans mch fu/Cand It1 VC tr an shenvr
1	330-335	5	EN EM.	Sh, ol rd ba F srfe, slet dolic, ltl bd mica, ltl bl gp: ltl st. tr Vfn/
1	335=340	5		Sh. pl rd bn. P srtg, slet dolic tr pl en&dk rd.mica: Itl fn snd&st.tr
	340-345	5	M	Sh nI md hn P srtg ltl en&dk rd mica: ltl nl en dol tr Vfn/C snd.
			M/ M/	with a solution of a second the second secon
	3/5-355	10	1-==/	Dol al rd mot al entail or fatufa dae sty endy (Vfa) iti al entery rd
1	266 360	1 1	and the second	So and and the graph of the work of the very the start of
[	100-000-	-	· 4	Carlo and the structure and the state of the structure of the state of the structure of the
	0.00 0.00	10	<u></u>	as, gry for pak, A, sang, P srtg, P doi-cem, men Carn, iti voavin; er vin
45	360-370			gtz gvi,mch sndy dol, itl glaucic dol, mch gn sh tr rd
140	3/11-3/3	2		Ss.gry or pnk, P srtg, mch F pl or dol-cem, mch C&tn, Itl VC, tr Vin:
[	375-380	1 5		is, gry or pak, M&fa, Srad, F srtg, F dol-cem, ltlC, tr Vfa; tr sady dol.
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1	1		. 4.	
	Contraction of the second second		· · · · + ·	
	380-405	25		Ss,gry or pnk, M&fo, Sang, F srtg, ltl P dol-cem, ltl Vfn, tr C; tr gn sh
			in in	
	4	1		
	1			
45	405-420	15	1 1	Ss erv. or pok_E_srte_itl P_dol_com.mch M_itl Vfn tr Ciltlench_st
45	405-420	15	1 1	Ss,gry.or.pok,E_srtg, ltl_P_dol=cem,mch_M, ltl_Vfn,tr_C; ltl=wchst_
45	405-420	15	1 1 1	Ss,gry.or.pok,E_srtg,ltl_P_dol=cem,mch_M,ltl_Vfn,tr_C;ltl=wchst_
45 I r	405-420	15	x * *	Ss.gry.or.pok_F_srtg, ltl P_dol_com,mch_M, ltl_Vfn, tr_C; ltl=wch_st_ Ss.gry.or.pok_P_srtg.VP_dol-com_mch_C_ltl_fn&VC.few_graps_ltl_plant
45 1 r	405-420 420-435	15	<u></u>	Ss.gry.or.pok.F.srtg, ltl P. dol-cem.mch_M, ltl_Vfn, tr. C; ltl=wchst_ Ss.gry.or.pok.P.srtg, VP_dol-cem.mch_C_ltl_fn&VC few_grans_ltl_glau Ss.wh_P.srtg, mch_C&fn_tr_VC;tr_lim_dol_cn_st&stUPL_F0_001.tt_St
45 I r G	405-420 420-435 435-440	15	<u>,                                    </u>	Ss.gry.or.pok,E.srtg, LtL P. dolrcew,mch.M, LtL Vfn, tr. C; LtLrwch. st Ss.gry.or.pok, P. srtg, VP. dol-cem,mch.C. Ltl fn&VC few grans. LtL glaut Ss.wh.P. srtg, mch.C&fn, tr.VC; tr. lim, dol, gn.sh&st. VPL VO. dol, tF.st Ss.wh. Fn&VFn. Sang. P. srtg. Ltl M&C:tr. lim,
45 I r G a	405-420 420-435 435-440 440-445	15	<u>x</u> 4	Ss.gry or pnk, E_srtg, ltl P_dol_com, moh_M, ltl_Vfn, tr_C; ltl=woh_st_ Ss.gry or pnk, P_srtg, VP_dol-com, moh_C_ltl_fn&VC few_grans_ltl_glau Ss.wh, P_srtg, moh_C&fn, tr_VC; tr_lim, dol, gn_sh&stVP1_ro_dol, tr_st Ss.wh, fn&Vfn, Sang, F_srtg, ltl_M&C tr_lim_
45 I G a 1	405-420 420-435 435-440 440-445 440-445	15	<u></u>	Ss.gry or pak, F.srtg, ltl P. dol-cem, mch. M, ltl. Vfn, tr. C; ltl:wch. st Ss.gry or pak, P. srtg, VP. dol-cem, mch. C. ltl fn&VC few grans. ltl glau Ss.wh.P. srtg, mch. C&fn, tr. VC; tr. lim, dol, gn. sh&st. VPL to dol, tr. st Ss.wh, fn&Vfn, Sang, P. srtg, ltl M&C tr. lim. Ss.wh.M&fn. Sang, F. srtg, ltl Vfn&C tr. lim.
45 I G a 1	405-420 420-435 435-440 440-445 445-450 450-455	10	<u> </u>	Ss.gry or pak, E-srtg, Lt L P dolrcem, meh. M, Lt L. Vfn, tr. C; Lt Lrweh. st Ss.gry or pak, P. srtg, VP dol-cem, meh. C. Lt Lfn&VC few grans. LtL glaut Ss.wh, P. srtg, meh. C&fn, tr VC; tr lim, dol, gn sh&st (PI ro dol, tr st Ss.wh, fn&Vfn, Sang, F srtg, Lt M&C tr lim Ss.wh, M&fn, Sang, F srtg, Lt Vfn&C tr lim Ss.wh, P. srtg, meh. Vfn&C, tr VC; tr grans, lim&st
45 I G a 1 c	405-420 420-435 435-440 440-445 445-450 450-455 450-455		<u>, , , , , , , , , , , , , , , , , , , </u>	Ss.gry or pnk, E.srtg, ltl P. dol-cem, mch. M, ltl. Vfn, tr. C; ltl:wch. st Ss.gry or pnk, P. srtg, VP. dol-cem, mch. C. ltl fn&VC few grans. ltl glaut Ss.wh, P. srtg, mch. C&fn, tr. VC; tr. lim, dol, gn. sh&st. \pi. Yo dol, tf st Ss.wh, fn&Vfn, Sang, F. srtg, ltl M&C tr. lim Ss.wh, M&fn, Sang, F. srtg, ltl M&C tr. lim Ss.wh, M&fn, Sang, F. srtg, ltl Vfn&C tr. lim Ss.wh, M. Srnd, P. srtg, tr. or. pnk&wh. dol-cem, ltl.fn, tr. VC; tr. st
45 I G a 1 c s	405-420 420-435 435-440 440-445 445-450 450-455 455-460 460-465	interest in the second se	<u></u>	Ss.gry or pak, F.srtg, ltl P. dol-cem, mch. M, ltl. Vfn, tr. C; ltl:wch. st Ss.gry or pak, P. srtg, VP. dol-cem, mch. C. ltl fn&VC few grans. ltl glau Ss.wh.P.srtg. mch. C&fn, tr. VC; tr. lim, dol, gn.sh&st. (Pt. ro.dol, tr. st Ss.wh, fn&Vfn, Sang, F.srtg, ltl M&C tr. lim Ss.wh, M&fn, Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, M&fn, Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, M.Srnd, P.srtg, tr. or pak&wh.dol-cem, ltl fn, tr. VC; tr. st Ss.wh, M&C, rdn, P.srtg, tr. pl. pak&wh.dol-cem, tr. fn; tr. gn&rd.sh&st
45 I G a 1 c s	405-420 420-435 435-440 440-445 445-450 450-455 455-460 460-465	ato interest		Ss.gry or pak, E.srtg, Lt L.P. dol-cem, mch.M, Lt L.Vfn, tr. C; Lt Lewch. st Ss.gry or pak, P. srtg, VP. dol-cem, mch. C, Lt L. fn&VC few grans. Lt glau Ss.wh, P. srtg, mch. C&fn, tr.VC; tr. lim, dol, gn. sh&st (PL ro.dol, tr. st Ss.wh, fn&Vfn, Sang, F.srtg, Lt M&C tr. lim Ss.wh, M&fn, Sang, P. srtg, Lt Vfn&C tr. lim Ss.wh, M&fn, Sang, P. srtg, Lt Vfn&C tr. lim Ss.wh, M.Srnd, P. srtg, tr. Or. pak&wh.dol-cem, Lt fn, tr.VC; tr. st. Ss.wh, M&C, rdn, P. srtg, tr. pl. pak&wh.dol-cem, tr.fn; tr.gn&rd.sh&st.
45 I G a 1 c s v	405-420 420-435 435-440 440-445 445-450 450-455 450-455 455-460 460-465 465-475	15		Ss.gry or pak, E-srtg, ltl P dolrcem, meh M, ltl Vfn, tr. C; ltl:weh st Ss.gry or pak, P srtg, VP dol-cem, meh C ltl fa&VC few grans, ltl glaut Ss.wh, P srtg, meh C&Fn, tr VC; tr lim, dól, ga sh&st VPI ro dol, tr st Ss.wh, fa&Vfn, Sang, F srtg, ltl M&C tr lim Ss.wh, M&fn, Sang, F srtg, ltl Vfa&C tr lim Ss.wh, M&fn, Sang, F srtg, ltl Vfa&C tr lim Ss.wh, M&fn, Sang, F srtg, ltl Vfa&C tr lim Ss.wh, P srtg, meh Vfa&C tr VC; tr grans, lim&st Ss.wh, M Srnd, P srtg, tr or pak&wh dol-cem, ltl fa, tr VC; tr st. Ss.wh, M&C, rda, P srtg, tr pl pak&wh dol-cem, tr fa; tr ga&rd sh&st Ss.gry or pak, M&C, Srnd, F srtg, tr pl or pak&pl rd dol-cem, tr fa;
45 r G a 1 c s v i	405-420 420-435 435-440 440-445 445-455 450-455 455-460 460-465 465-475	15 15 15 15 15 15 15 15 15 15 15 15 15 1		Ss.gry or pak, F.srtg, ltl P. dol-cem, mch. M, ltl. Vfn, tr. C; ltl:wch. st Ss.gry or pak, P. srtg, VP. dol-cem, mch. C. ltl fn&VC few grans. ltl.glau Ss.wh.P. srtg, mch. C&fn, tr. VC; tr. lim, dol, gn.sh&st. (pt.ro.dol, tr. st Ss.wh, fn&Vfn, Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, M&fn. Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, P. srtg, mch. Vfn&C, tr. VC; tr. grans, lim&st Ss.wh, M. Srnd, P. srtg, tr. or pak&wh.dol-cem, ltl fn, tr. VC; tr. st. Ss.wh, M&C, rdn, P. srtg, tr. pl. pak&wh.dol-cem, tr. fn; tr. gn&rd.sh&st Ss.gry or pak, M&C, Srnd, F. srtg, tr. pl. or pak&pl.rd.dol-cem, tr. fn; Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl. or pak&pl.rd.dol-cem, tr. fn;
45 r G a l c s v i	405-420 420-435 435-440 440-445 445-455 455-460 460-465 465-475 475-485	15 15 55 55 55 55 55 55 55 55 55 55 55 5		Ss.gry or pak, F.srtg, ltl P. dol-cem, mch. M, ltl. Vfn, tr. C; ltl:wch.st Ss.gry or pak, P. srtg, VP. dol-cem, mch. C. ltl fn&VC few grans ltl glau Ss.wh P. srtg, mch. C&fn, tr.VC; tr. lim, dol, gn sh&st [P1_ro.dol, tr. st Ss.wh, fn&Vfn, Sang, F.srtg, ltl M&C tr. lim Ss.wh, M&fn Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, M&fn Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, M&fn Sang, F.srtg, ltl Vfn&C tr. lim Ss.wh, M&fn Sang, F.srtg, tr. Vf; tr. grans, lim&st Ss.wh, M.Srnd, P.srtg, tr. or pak&wh dol-cem, ltl fn.tr. VC; tr. st. Ss.wh, M&C, rdn, P.srtg, tr. pl pak&wh dol-cem, tr. fn; tr. gn&rd sh&st Ss.gry or pak, M&C, Srnd, F.srtg, tr. pl or pak&pl rd dol-cem, tr. fn&Vfn r.st.
45 I G a 1 c s v i 1	405-420 420-435 435-440 440-445 445-450 450-455 455-460 460-465 465-475 475-485 485-490			Ss.gry or pak, E.srtg, Itl P. dol-cem, meh. M, Itl. Vfn, tr. C; Itl:weh. st Ss.gry or pak, P. srtg, VP. dol-cem, meh. C. Itl fa&VC few grans. Itl glau Ss.wh, P. srtg, meh. C&fn, tr VC; tr lim, dol, gn sh&st VPL to dol, tr st Ss.wh, fa&Vfn, Sang, F. srtg, Itl M&C tr lim Ss.wh, M&fn, Sang, P. srtg, Itl Vfn&C tr lim Ss.wh, M&fn, Sang, P. srtg, Itl Vfn&C tr lim Ss.wh, M&fn, Sang, P. srtg, Itl Vfn&C tr lim Ss.wh, M.Srnd, P. srtg, tr VC; tr grans, lim&st Ss.wh, M.Srnd, P. srtg, tr or pak&wh dol-cem, Itl fn, tr VC; tr st. Ss.wh, M&C, rdn, P. srtg, tr pl pak&wh dol-cem, tr fn; tr ga&rd sh&st Ss.gry or pak, M&C, Srnd, F. srtg, tr pl or pak&pl rd dol-cem, tr fn&Vfn Ss, Vpl or, M&C, Srnd, P. srtg, meh. fn&C, tr VC; tr lim&st
45 I G a 1 c s v i 1 1	405-420 420-435 435-440 440-445 445-450 450-455 455-460 460-465 465-475 475-485 485-490 490-495			Ss.gry or pak, E.srtg, Itl P dolrcom, mob M, Itl Vfn, tr. C; Itlewch st Ss.gry or pak, P. srtg, VP dol-com, mob C ltl fa&VC few grans. Itl glau Ss.wh, P srtg, mob C&fn, tr VC; tr lim, dól, gn sh&st VPI ro dol, tr st Ss.wh, fa&Vfn, Sang, F srtg, Itl M&C tr lim Ss.wh, M&fn, Sang, F srtg, Itl Vfa&C tr lim Ss.wh, M&fn, Sang, F srtg, Itl Vfa&C tr lim Ss.wh, M&fn, Sang, F srtg, Itl Vfa&C tr lim Ss.wh, M Srnd, P srtg, tr or pak&wh dol-com, Itl fn, tr VC; tr st. Ss.wh, M&C, rdn, P srtg, tr pl pak&wh dol-com, tr fn; tr ga&rd sh&st Ss.gry or pak, M&C, Srnd, F srtg, tr pl or pak&pl rd dol-com, tr fn; Ss.gry or pak, M&C, Srnd, P srtg, tr pl or pak&pl rd dol-com, tr fa&Vfn Ss.gry or pak, M&C, Srnd, P srtg, tr pl or pak&pl rd dol-com, tr fa&Vfn Ss.gry or pak, M&C, Srnd, P srtg, tr pl or pak&pl rd dol-com, tr fa&Vfn Ss.ypl or, M&C, Srnd, P srtg, Itl fn, tr VC; tr lim&st Ss.ypl or, M&C, Srnd, P srtg, Itl fn, tr VC; tr st∨, pak dol
45 r G a 1 c s v i 1 1 c	405-420 420-435 435-440 440-445 440-445 450-455 455-460 460-465 465-475 475-485 485-490 490-495 495-500	15 15 55 55 55 55 55 55 55 55 55 55 55 5		Ss.gry or pak, F.srtg, Itl P. dol-com, mob. M, Itl. Vfn, tr. C; Itl:wch.st. Ss.gry or pak, P. srtg, VP. dol-com, mob. M, Itl. Vfn, tr. C; Itl:wch.st. Ss.wh.P.srtg.mch.C&fn, tr.VC; tr. lim.dol, gn.sh&st. VPL to dol, tr. St. Ss.wh.fn&Vfn, Sang, F.srtg, Itl. M&C tr. lim. Ss.wh.M&fn.Sang, F.srtg, Itl. Vfn&C tr. lim. Ss.wh.M&fn.Sang, F.srtg, Itl. Vfn&C tr. lim. Ss.wh.M.Srnd, P.srtg, tr. or pak&wh.dol-com, Itl.fn, tr. VC; tr. st. Ss.wh.M&C, rdn, P.srtg, tr. pl. pak&wh.dol-com, tr. fn; tr. gn&rd.sh&st. Ss.gry or pak, M&C, Srnd, F.srtg, tr. pl. or pak&pl.rd.dol-com, tr. fn; Ss.gry or pak, M&C, Srnd, P.srtg, tr. pl. or pak&pl.rd.dol-com, tr. fn&Vfn Ss. ypl. or, M&C, Srnd, P. srtg, mch. fn&C, tr. VC; tr. lim&st. Ss. ypl. or, M&C, Srnd, P. srtg, Itl. fn, tr. VC; tr. st.or, pak.dol Ss. ypl. or, M&C, Srnd, P. srtg, Itl. fn, tr. VC; tr. st.or, pak.dol Ss. ypl. or, M&C, Srnd, P. srtg, Itl. fn, tr. VC; tr. st.or, pak.dol Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn yfn&VC tr. st.dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn. yfn&VC tr. st. dol. & Ss. ypl. or, M&C, Srnd, P. srtg, tr. dol-com, tr
45 r G a 1 c s v i 1 1 e	405-420 420-435 435-440 440-445 440-445 450-455 455-460 460-465 465-475 475-485 485-490 490-495 495-500			Ss.gry or pak, E.srtg, Itl P. dol-com, mob. M, Itl. Vfn, tr. C; Itlewoh. st Ss.gry or pak, P. srtg, VP. dol-com, mob. M, Itl. Vfn, tr. C; Itlewoh. st Ss.wh, P. srtg, mob. C&fn, tr. VC; tr. lim, dol, gn.sh&st [P1_ro.dol, tr. st Ss.wh, fn&Vfn, Sang, F.srtg, Itl M&C tr. lim Ss.wh, M&fn, Sang, P. srtg, Itl Vfn&C tr. lim Ss.wh, M&fn, Sang, P. srtg, tr. or pak&wh dol-com, Itl fn, tr. VC; tr. st. Ss.wh, M&C, rdn, P. srtg, tr. or pak&wh dol-com, tr. fn; tr. gn&rd sh&st Ss.gry or pak, M&C, Srnd, F. srtg, tr. pl or pak&pl rd dol-com, tr. fn; Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss. Vpl or, M&C, Srnd, P. srtg, moh. fn&C, tr. VC; tr. lim&st Ss. Vpl or, M&C, Srnd, P. srtg, ltl fn, tr. VC; tr. st∨, pak.dol Ss. Vpl or, M&C, Srnd, P. srtg, tr. dol-com, tr. fn, Vfn&VC tr. st, dol,&gn.sh
45 I G a I c s v i I l e	405-420 420-435 435-440 440-445 445-455 450-455 450-455 460-465 465-475 475-485 475-485 490-495 495-500 500-510			<pre>Ss.gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. C; ltl=wch_st_ Ss.gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glaut Ss.wh, P_srtg, mch_C&amp;fn_tr_VC; tr_lim_dol,gn_sh&amp;st_VP_rd_dol,tr_st_ Ss.wh, fn&amp;Vfn, Sang, F_srtg, ltl_M&amp;C tr_lim_ Ss.wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M_Srnd, P_srtg, tr_or_pn&amp;&amp;wh_dol=cem, ltl_fn_tr_VC; tr_st_ Ss.wh, M&amp;C, rdn, P_srtg, tr_pl_pn&amp;&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss.gry_or_pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pn&amp;spl_rd_dol=cem, tr_fn; Ss.gry_or_pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pn&amp;spl_rd_dol=cem, tr_fn&amp;Vfn_ Ss.gry_or_pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pn&amp;spl_rd_dol=cem, tr_fn&amp;Vfn_ Ss.gry_or_pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;spl_rd_dol=cem, tr_fn&amp;Vfn_ Ss.ypl_or, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;spl_rd_dol=cem, tr_fn&amp;Vfn_ Ss.ypl_or, M&amp;C, Srnd, P_srtg, tr_dol=cem, tr_fn_yfn&amp;VC tr_st, dol_&amp;gn_sh_ Ss_ypl_or_M&amp;C, Srnd, P_srtg, tr_fo; tr_st_bor_pnk_dol_ss_ypl_or_M&amp;C, Srnd, P_srtg, tr_dol=cem, tr_fn_yfn&amp;VC tr_st, dol_&amp;gn_sh_</pre>
45 I G a I c s v i I I e	405-420 420-435 435-440 440-445 440-445 450-455 450-455 460-465 460-465 465-475 475-485 485-490 490-495 495-500 500-510 510-515			Ss.gry or pak, F. srtg, ltl P. dol-com, mob. M, ltl. Vfn, tr. C; ltl:wch. st Ss.gry or pak, P. srtg, VP dol-com, mch. C. ltl fn&VC few grans. ltl glau Ss.wh.P. srtg, mch. C&fn, tr. VC; tr. lim, dol, gn.sh&st. VPI ro.dol, tr. St Ss.wh, fn&Vfn, Sang, F. srtg, ltl Vfn&C tr. lim Ss.wh, M&fn. Sang, F. srtg, ltl Vfn&C tr. lim Ss.wh, M. Srnd, P. srtg, tr. Or pak&wh dol-com, ltl fn, tr. VC; tr. st. Ss.wh, M. Srnd, P. srtg, tr. pl pak&wh dol-com, tr. fn; tr. gn&rd sh&st Ss.gry or pak, M&C, Srnd, F. srtg, tr. pl or pak&pl rd dol-com, tr. fn; Ss.gry or pak, M&C, Srnd, F. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-com, tr. fn&Vfn Ss.gry or pak, M&C, Srnd, P. srtg, tr. dol-com, tr. fn, Vfn&VC tr. st, dol, &gn sh Ss. ypl or, M&C, Srnd, P. srtg, tr. fn; tr. st, ba&gry sh, dol&ig snd Ss. ypl or, M&C, rmd, F. srtg, tr. fn; tr. st, ba&gry sh, dol&ig snd Ss.gry or pak, F. srtg, tr. fn; tr. st, ba&gry sh, dol&ig snd
45 I G a 1 c s v i 1 l e	405-420 420-435 435-440 440-445 445-455 455-460 460-465 465-475 475-485 485-490 490-495 490-495 495-500 500-510 510-515 515-520			<pre>Ss.gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. C; ltl=wch_st_ Ss.gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glau Ss.wh, P_srtg, mch_C&amp;fn, tr_VC; tr_lim_dol, gn_sh&amp;st_VPL_co_dol, tr_st Ss.wh, fn&amp;Vfn, Sang, P_srtg, ltl_M&amp;C tr_lim_ Ss.wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M&amp;fn_Sang, P_srtg, tr_or_pn&amp;&amp;wh_dol-cem, ltl_fn_tr_VC; tr_st Ss.wh, M&amp;C, rdn, P_srtg, tr_or_pn&amp;&amp;wh_dol-cem, tr_fn; tr_gn&amp;rd_sh&amp;st Ss.wh, M&amp;C, rdn, P_srtg, tr_pl_pn&amp;&amp;wh_dol-cem, tr_fn; tr_gn&amp;rd_sh&amp;st Ss.gry or pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;spl_rd_dol-cem, tr_fn; Ss.gry or pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;spl_rd_dol-cem, tr_fn&amp;Vfn Ss.ypl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st Ss.ypl_or, M&amp;C, Srnd, P_srtg, ltl_fn, tr_VC; tr_st∨_pnk_dol Ss.ypl_or, M&amp;C, Srnd, P_srtg, tr_dol-cem, tr_fn_Vfn&amp;VC tr_st, dol,&amp;gn_sh Ss.ypl_or, M&amp;C, Srnd, P_srtg, tr_fn: tr_fn&amp;Vfn tr_st, tr_dk_gry_sh</pre>
45 I G a 1 c s v i 1 1 e	405-420 420-435 435-440 440-445 445-455 450-455 455-460 460-465 465-475 475-485 475-485 490-495 490-495 495-500 500-510 510-515 515-520			<pre>Ss.gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. C; ltl=wch_st_ Ss.gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glau Ss.wh, P_srtg, mch_C&amp;fn, tr_VC; tr_lim_dol,gn_sh&amp;st_VP_rd_dol,tr_st_ Ss.wh, fn&amp;Vfn, Sang, F_srtg, ltl_M&amp;C tr_lim_ Ss.wh, M&amp;fn, Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M&amp;fn, Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M&amp;fn, Sang, P_srtg, tr_VC; tr_grans, lim&amp;st Ss.wh, M&amp;fn, P_srtg, tr_or_pn&amp;&amp;wh_dol=cem, ltl_fn_tr_VC; tr_st Ss.wh, M&amp;fn, P_srtg, tr_pl_pn&amp;&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st Ss.wh, M&amp;fn, P_srtg, tr_pl_pn&amp;&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st Ss.gry or pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pn&amp;spl_rd_dol-cem, tr_fn; Ss.gry or pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;spl_rd_dol-cem, tr_fn&amp;Vfn Ss.Vpl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st Ss.Vpl_or, M&amp;C, Srnd, P_srtg, ltl_fn, tr_VC; tr_st∨_pnk_dol Ss.Vpl_or, M&amp;C, Srnd, P_srtg, tr_dol-cem, tr_fn, Vfn&amp;VC tr_st, dol,&amp;gn_sh Ss.Vpl_or, M&amp;C, rnd, P_srtg, tr_fn; tr_st, bn&amp;gry_sh, dol&amp;ig_snd Ss.gry_or_pnk, F_srtg, ltl_pn&amp; dol-cem, tr_fn&amp;Vfn tr_st, tr_dk_gry_sh</pre>
45 I r G a 1 c s v i 1 1 e	405-420 420-435 435-440 440-445 445-450 450-455 455-460 460-465 465-475 475-485 475-485 485-490 490-495 495-500 500-510 510-515 515-520			Ss.gry or pak, E.srtg, ltl P. dol-cem, mch. M, ltl. Vfn, tr. C; ltl:wch.st. Ss.gry or pak, P. srtg, VP. dol-cem, mch. C. ltl fn&VC few grans. ltl glau Ss.wh.P. srtg, mch.C&fn, tr.VC; tr.lim.dol, gn.sh&st. VPI to dol, tr.St. Ss.wh, fn&Vfn, Sang, P. srtg, ltl Vfn&C tr.lim. Ss.wh, M&fn.Sang, P. srtg, ltl Vfn&C tr.lim. Ss.wh, M. Srnd, P. srtg, tr. VC; tr. grans, Lim&st. Ss.wh, M. Srnd, P. srtg, tr. or pak&wh dol-cem, ltl fn, tr.VC; tr.st Ss.wh, M&C, rdn, P. srtg, tr. pl pak&wh dol-cem, tr.fn; tr. gn&rd sh&st. Ss.gry or pak, M&C, Srnd, F. srtg, tr. pl or pak&pl rd dol-cem, tr.fn; Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-cem, tr.fn; Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-cem, tr.fn; Ss.gry or pak, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-cem, tr.fn; Ss.ypl or, M&C, Srnd, P. srtg, tr. pl or pak&pl rd dol-cem, tr.fn&Vfn Ss. Vpl or, M&C, Srnd, P. srtg, tr. dol-cem, tr.fn, VC; tr. st.dol, &gn.sh Ss. Vpl or, M&C, Srnd, P. srtg, tr.fn; tr.st, ba&gry sh, dol&ig snd Ss.ypl or, M&C, rnd F. srtg, tr.fn; tr.st, ba&gry sh, dol&ig snd Ss.gry or pak, F. srtg, ltl pak dol-cem, tr.fn&Vfn tr.st, tr.dk gry sh Ss.gry or pak, F. srtg, ltl pak yl or F. dol-cem, tr.fn&Vfn tr.st, tr./i./!
45 I G a 1 c s v i 1 1 e	405-420 420-435 435-440 440-445 440-445 445-455 455-460 460-465 465-475 475-485 485-490 490-495 495-500 500-510 515-520			<pre>Ss, gry or pnk, F_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr_C; ltl=wch_st_ Ss, gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glau Ss, wh, P_srtg_mch_C&amp;fn, tr_VC; tr_lim_dol, gn_sh&amp;st_VPL_ro_dol, tr_st_ Ss, wh, fn&amp;Vfn, Sang, F_srtg, ltl_M&amp;C tr_lim_ Ss, wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;C tr_lim_ Ss, wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;C tr_lim_ Ss, wh, M&amp;fn_Sang, F_srtg, tr_VC; tr_grans, lim&amp;st_ Ss, wh, M&amp;fn_Sang, F_srtg, tr_op_nn&amp;&amp;wh dol-cem, ltl_fn_tr_VC; tr_st Ss, wh, M&amp;fn_P_srtg, tr_op_nn&amp;&amp;wh dol-cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss, wh, M&amp;C, rdn, P_srtg, tr_pl_pn&amp;&amp;wh dol-cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss, wh, M&amp;C, rdn, P_srtg, tr_pl_or_pnk&amp;pl_rd_dol-cem, tr_fn; Ss, gry or pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pnk&amp;pl_rd_dol-cem, tr_fn&amp;Vfn Ss, Vpl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st_ Ss, Vpl_or, M&amp;C, Srnd, P_srtg, ltl_fn, tr_VC; tr_st&amp;on_pnk_dol Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_dol-cem, tr_fn_Vfn&amp;VC tr_st, dol,&amp;gn_sh Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_dol-cem, tr_fn_Vfn&amp;VC tr_st, dol,&amp;gn_sh Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_fo; tr_st_bn&amp;gry_sh, dol&amp;ig_snd Ss, gry_or_pnk, F_srtg, tr_P_pnk_dol-cem, tr_fn&amp;Vfn tr_st, tr_dk_gry_sh Ss, gry_or_pnk, F_srtg, ltl_pn&amp; yl_or_F_dol-cem, tr_fn&amp;Vfn tr_st, i; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;; ;;</pre>
45 I G a 1 e s V i 1 1 e	405-420 420-435 435-440 440-445 440-445 445-455 450-455 460-465 460-465 465-475 475-485 485-490 490-495 495-500 500-510 515-520			<pre>Ss,gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. C; ltl=wch_st_ Ss,gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glau Ss,wh, P_srtg, mch_C&amp;fn, tr_VC; tr_lim_dol, gn_sh&amp;st_VP_ro_dol, tr_st_ Ss,wh, fn&amp;Vfn, Sang, P_srtg, ltl_M&amp;C tr_lim_ Ss,wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss,wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss,wh, M&amp;fn_Sang, P_srtg, tr_VC; tr_grans, lim&amp;st_ Ss,wh, M&amp;fn_Sang, P_srtg, tr_or_pnk&amp;wh_dol=cem, ltl_fn, tr_VC; tr_st_ Ss,wh, M&amp;C, rdn, P_srtg, tr_pl_pnk&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss, wh, M&amp;C, rdn, P_srtg, tr_pl_pnk&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss, gry or pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pnk&amp;pl_rd_dol-cem, tr_fn; Ss, gry or pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pnk&amp;pl_rd_dol-cem, tr_fn&amp;Vfn Ss, Vpl_or, M&amp;C, Srnd, P_srtg, mch_fn&amp;C, tr_VC; tr_lim&amp;st_ Ss, Vpl_or, M&amp;C, Srnd, P_srtg, ltl_fn, tr_VC; tr_st∨_pnk_dol Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_fn; tr_st, shokgry_sh, dol&amp;ig_snd_ Ss, gry or_pnk, F_srtg, tr_P_pnk_dol=cem, tr_fn&amp;Vfn tr_st, tr_dk_gry_sh Ss, gry or_pnk, F_srtg, tr_P_pnk_dol=cem, tr_fn&amp;Vfn tr_st, tr_dk_gry_sh Ss, gry or_pnk, F_srtg, ltl_pn&amp; yl_or_F_dol=cem, tr_fn&amp;Vfn tr_st, i=/1 Ss, gry or_pnk, M&amp;C, rnd, F_srtg, ltl_pnk_yl_or_F_dol=cem, tr_fn&amp;Vfn tr_st, i=/1</pre>
45 I r G a l c s v i l l c e	405-420 420-435 435-440 440-445 445-455 450-455 450-455 460-465 465-475 475-485 475-485 490-495 490-495 495-500 500-510 510-515 515-520 520=540	15 15 15 15 15 10 10 10 5 5 20		<pre>Ss.gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr_C; ltl=wch_st_ Ss.gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glau Ss.wh, P_srtg, mch_C&amp;fn, tr_VC; tr_lim_dol, gn_sh&amp;st_VPI_rd_dol, tr_St Ss.wh, fn&amp;Vfn, Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, Msfn, Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M_srtg, mch_Vfn&amp;C, tr_VC; tr_grans, lim&amp;st</pre>
45 I r G a 1 c s v i 1 1 e	405-420 420-435 435-440 440-445 440-445 445-455 455-460 460-465 465-475 475-485 485-490 490-495 495-500 500-510 510-515 515-520 520-540 540-545	15 55 55 55 55 55 10 10 10 5 5		<pre>Ss, gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr_C; ltl=wch_st_ Ss, gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glaut Ss, wh P_srtg_mch_C&amp;fn, tr_VC; tr_lim_dol, gn_sh&amp;st_VPL_to_dol, tr_st_ Ss, wh, fn&amp;Vfn, Sang, P_srtg, ltl_M&amp;C tr_lim_ Ss, wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss, wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss, wh, M&amp;fn_Sang, P_srtg, tr_VC; tr_grans, lim&amp;st_ Ss, wh, M&amp;fn_Sang, P_srtg, tr_pl_pn&amp;&amp;wh_dol-cem, ltl_fn_tr_VC; tr_st Ss, wh, M&amp;fn_P_srtg, tr_or_pn&amp;&amp;wh_dol-cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss, wh, M&amp;C, rdn, P_srtg, tr_pl_pn&amp;&amp;wh_dol-cem, tr_fn; tr_gn&amp;rd_sh&amp;st_ Ss, gry_or_pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;&amp;pl_rd_dol-cem, tr_fn&amp;Vfn \$s, ypl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st_ Ss, ypl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st_ Ss, Vpl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st_ Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_dol-cem, tr_fn, Vfn&amp;VC tr_st, dol,&amp;gn_sh Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_dol-cem, tr_fn&amp;Vfn&amp;VC tr_st, dol,&amp;gn_sh Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_fa; tr_st, bn&amp;gry_sh, dol&amp;ig_snd_ Ss, gry_or_pnk, F_srtg, tr_P_pn&amp; dol-cem, tr_fn&amp;Vfn tr_st, tr_dk_gry_sh Ss, gry_or_pnk, F_srtg, ltl_pn&amp; yl_or_F_dol-cem, tr_fn&amp;Vfn tr_st, i;, '! Ss, gry_or_pnk, M&amp;C, rnd, F_srtg, ltl_pnk yl_or_F_dol-cem, tr_fn&amp;Vfn tr_st, i;, !!</pre>
45 I r G a 1 e s v i 1 1 e	405-420 420-435 435-440 440-445 440-445 445-455 450-455 460-465 460-465 465-475 475-485 485-490 490-495 490-495 510-515 515-520 520-540 540-545	15 55 55 55 55 10 10 10 5 5 5 20 5		<pre>Ss,gry or pnk, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. C; ltl=wch_st_ Ss,gry or pnk, P_srtg, VP_dol=cem, mch_C_ltl_fn&amp;VC few_grans_ltl_glau Ss,wh, P_srtg, mch_C&amp;fn, tr_VC; tr_lim_dol, gn_sh&amp;stVP_ro_dol, tr_st_ Ss,wh, fn&amp;Vfn, Sang, P_srtg, ltl_M&amp;C tr_lim_ Ss,wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss,wh, M&amp;fn_Sang, P_srtg, ltl_Vfn&amp;C tr_lim_ Ss,wh, M&amp;fn_Sang, P_srtg, tr_VC; tr_grans, lim&amp;st Ss,wh, M_Srnd, P_srtg, tr_or_pn&amp;&amp;wh_dol=cem, ltl_fn_tr_VC; tr_st Ss,wh, M&amp;C, rdn, P_srtg, tr_pl_pn&amp;&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st Ss, wh, M&amp;C, rdn, P_srtg, tr_pl_pn&amp;&amp;wh_dol=cem, tr_fn; tr_gn&amp;rd_sh&amp;st Ss,gry or pnk, M&amp;C, Srnd, F_srtg, tr_pl_or_pn&amp;spl_rd_dol-cem, tr_fn&amp;Vfn Ss,gry or pnk, M&amp;C, Srnd, P_srtg, tr_pl_or_pn&amp;spl_rd_dol-cem, tr_fn&amp;Vfn Ss, Vpl_or, M&amp;C, Srnd, P_srtg, nch_fn&amp;C, tr_VC; tr_lim&amp;st Ss, Vpl_or, M&amp;C, Srnd, P_srtg, ltl_fn, tr_VC; tr_st∨_pnk_dol Ss, Vpl_or, M&amp;C, Srnd, P_srtg, tr_fn: tr_st, bn&amp;gry_sh, dol&amp;ig_snd Ss,gry or pnk, F_srtg, tr_fn: tr_st, bn&amp;gry_sh, dol&amp;ig_snd Ss,gry or pnk, M&amp;C, rnd, F_srtg, ltl_pnk_yl_or_F_dol-cem, tr_fn&amp;Vfn tr_st, i:_/! Ss,gry or pnk, M&amp;C, rnd, F_srtg, ltl_pnk_yl_or_F_dol-cem, tr_fn&amp;Vfn tr_st, i:_/! Ss,gry or pnk, F_srtg, tr_pl_rd_VP_dol-cem, mch_fn, ltl_C, tr_Vfn; tr_gn_ Ss,gry or pnk, M&amp;C, rnd, F_srtg, ltl_pnk_yl_or_F_dol-cem, tr_fn&amp;Vfn tr_gn_ Ss,gry or pnk, M&amp;C, rnd, F_srtg, ltl_pnk_yl_or_F_dol-cem, tr_fn&amp;Vfn tr_gn_</pre>
45 I G a l c s v i l l e	405-420 420-435 435-440 440-445 445-455 450-455 450-455 450-455 460-465 465-475 475-485 475-485 490-495 495-500 500-510 510-515 515-520 520-540 540-545 545-555	15 15 15 15 10 10 5 5 10		<pre>Ss.gry or pak, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. C; ltl=wch_st_ Ss.gry or pak, P_srtg, VP_dol-cem, mch_C_ltl_fa&amp;VC few_grans_ltl_glau Ss.wh, P_srtg, mch_C&amp;fn, tr_VC;tr_lim_dol, gn_sh&amp;st_VP1_td_dol, tr_st_ Ss.wh, fa&amp;Vfn, Sang, F_srtg, ltl_M&amp;C tr_lim_ Ss.wh, fa&amp;Vfn, Sang, F_srtg, ltl_Vfn&amp;C tr_lim_ Ss.wh, M Srad, P_srtg, tr_Vfn&amp;C tr_lim_ Ss.wh, M Srad, P_srtg, tr_or pak&amp;wh_dol-cem, ltl_fn, tr_VC; tr_st</pre>
45 1 r G a 1 e s v i 1 1 e	405-420 420-435 435-440 440-445 440-445 445-455 455-460 465-475 475-485 485-490 490-495 495-500 500-510 510-515 515-520 520-540 540-545 545-555 555-560	15 55 55 55 55 10 5 10 5		<pre>Ss.gry or pak, E_srtg, ltl P_dol=cem, mch_M, ltl_Vfn, tr. (; ltl=wch_st_Ss.gry or pak, P_srtg, VP_dol=cem, mch_C_ltl_fa&amp;VC few_grans_ltl_glauter Ss.wh, P_srtg, mch_C&amp;fn_tr_VC;tr_lim_dol, gn_sh&amp;st_VPL_dol, tr_st_Ss.wh, fn&amp;Vfn, Sang, F_srtg, ltl_M&amp;Ctr_lim_Ss.wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;Ctr_lim_Ss.wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;Ctr_lim_Ss.wh, M&amp;fn_Sang, F_srtg, ltl_Vfn&amp;Ctr_lim_Ss.wh, M&amp;fn_Sang, F_srtg, tr_Vfn&amp;Ctr_lim_Ss.wh, M&amp;fn_P_srtg, fr_or pnk&amp;wh_dol=cem, ltl_fn_tr_VC;tr_st</pre>

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