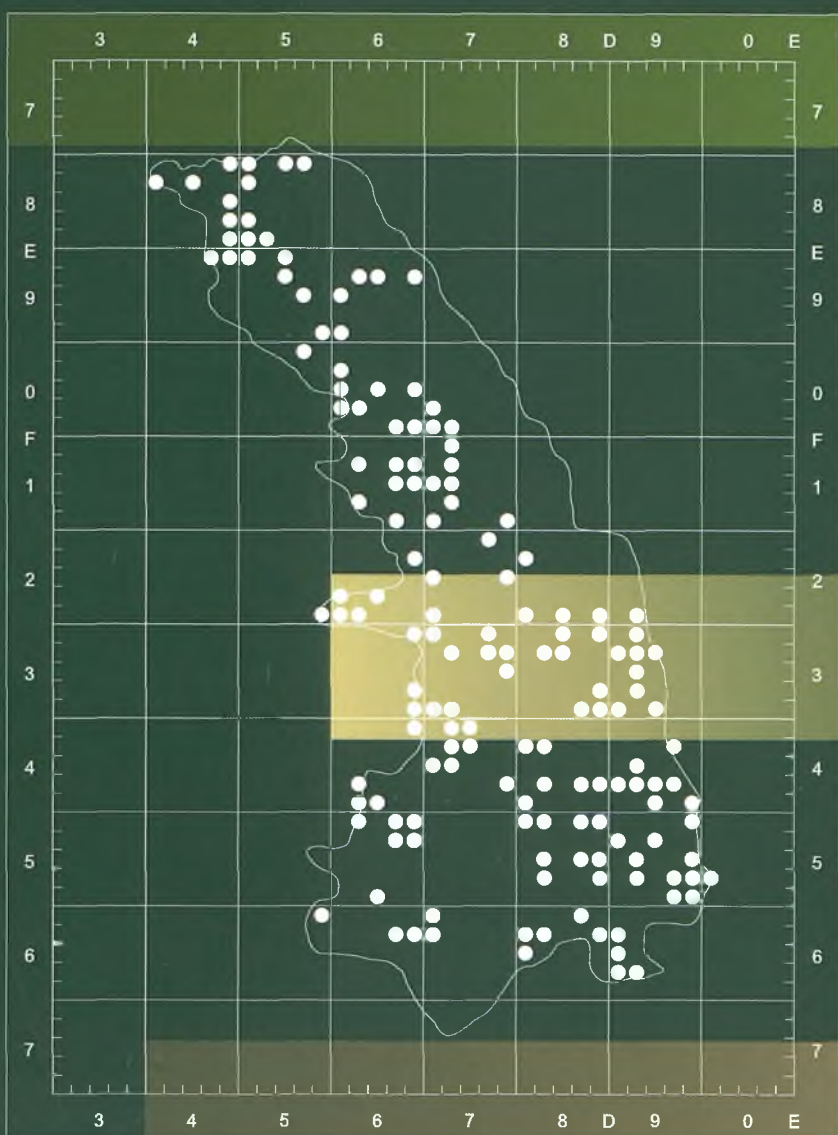




ANDRZEJ URBISZ

**ATLAS ROZMIESZCZENIA
ROŚLIN NACZYNIOWYCH NA WYŻYNI
KRAKOWSKO-CZĘSTOCHOWSKIEJ**

**DISTRIBUTION ATLAS OF VASCULAR PLANTS
IN THE KRAKÓW-CZĘSTOCHOWA UPLANDS**

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2012

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WSTĘP

W niniejszym opracowaniu przedstawiono mapy rozmieszczenia 1436 gatunków roślin naczyniowych (rodzimych oraz trwale zdomowionych antropofitów), odnotowanych do tej pory na terenie Wyżyny Krakowsko-Częstochowskiej. Stanowi ono prezentację wyników projektu badawczego pt.: „Bioróżnorodność i problemy fitogeograficzne Jury Krakowsko-Częstochowskiej” realizowanego w latach 2000-2004 i finansowanego przez KBN. Przedstawione w nim dane oparte są na obszernym materiale (prawie 200 tys. notowań florystycznych), zebranych w trakcie własnych badań terenowych, pochodzącym z literatury, zbiorów zielnikowych oraz niepublikowanych badań innych autorów.

Za umożliwienie dostępu do danych, zawartych w aktualnej bazie Atlasu rozmieszczenia roślin naczyniowych w Polsce serdeczne podziękowania składam Panu prof. Adamowi Zajacowi z Instytutu Botaniki Uniwersytetu Jagiellońskiego. Dziękuję również wszystkim Osobom (dr hab. Beata Babczyńska-Sendek, dr Wacław Bartoszek, dr Leszek Bernacki, prof. Eugeniusz Dubiel, mgr Stefan Gawroński, mgr Janusz Guzik, prof. Janusz Hereźniak, prof. Anna Pacyna, prof. Krzysztof Rostański, prof. Zbigniew Szelaąg, mgr Marian Szewczyk, dr hab. Barbara Tokarska-Guzik, prof. Krystyna Towpasz, prof. Helena Trzcńska-Tacik, dr Maciej Wayda, prof. Stanisław Wika, prof. Adam Zajac, prof. Maria Zajac, prof. Bogdan Zemanek), które wyraziły zgodę na udostępnienie swoich niepublikowanych danych.

Panu dr. hab. Łukaszowi Pułaskiemu dziękuję za przetłumaczenie tekstu na język angielski a Pani Agnieszce Świstak za sprawne wykonanie składu książki. Chciałbym także podziękować Panu dr. Jerzemu Paruselowi oraz Panu Jackowi Skalmierskiemu za pomoc przy jej wydaniu.

Wykaz flory naczyniowej Wyżyny Krakowsko-Częstochowskiej, zawierający podstawowe informacje dotyczące pochodzenia poszczególnych gatunków, częstości ich występowania, zagrożenia, charakterystyki zajmowanych przez nie siedlisk oraz literatury źródłowej, został opublikowany kilka lat temu w monografii pt.: „Konspekt flory roślin naczyniowych Wyżyny Krakowsko-Częstochowskiej” (Urbisz 2004). Z kolei w roku 2008 ukazało się opracowanie pt. „Różnorodność i rozmieszczenie roślin naczyniowych jako podstawa regionalizacji geobotanicznej Wyżyny Krakowsko-Częstochowskiej” (Urbisz 2008), poświęcone szczegółowej analizie rozmieszczenia gatunków na tym terenie. W obu tych monografiach zamieszczono także historię badań botanicznych tego regionu oraz jego charakterystykę fizjograficzną. Rozmieszczenie poszczególnych gatunków w południowej części Wyżyny Krakowsko-Częstochowskiej przedstawiono w opracowaniu „Flora Cracoviensis secunda” (Zajac M., Zajac A & Zemanek B. [red.] 2006). Ponieważ jednak wymienione prace nie zawierają map rozmieszczenia wszystkich gatunków w obrębie całości tego regionu, przygotowano ten atlas, który stanowi kolejny etap na drodze do poznania różnorodności flory Wyżyny Krakowsko-Częstochowskiej.

1. TEREN BADAŃ

Wyżyna Krakowsko-Częstochowska (zwana również Jurą Krakowsko-Częstochowską) to obszar, położony w południowej części Polski i zajmujący powierzchnię 2615 km² (Kondracki 1988). Występują tu charakterystyczne skały wapienne (ostańce) o urozmaiconych kształtach, liczne jaskinie i ruiny zamków. Teren ten wznosi się średnio 350 m n.p.m. Najwyżej położonym punktem jest Góra Zamkowa (Góra Janowskiego) z ruinami zamku Ogródzieniec (515 m n.p.m.), która stanowi najwyższe wyżynne wzniesienie Polski).

Granice badanego terenu przyjęto za Kondrackim (1988), jednak ze względu na to, że w tym opracowaniu nie zostały one określone wystarczająco precyzyjnie, to przy ich wyznaczaniu kierowano się dodatkowo lokalnym ukształtowaniem terenu (przebiegiem poziomicy i dolin rzecznych). Tak wytyczony obszar badań (ryc. 1.) od południa graniczy z Bramą Krakowską, od południowego zachodu z Kotliną Oświęcimską, od zachodu biegnie mniej więcej linią: Wygiełzów-Chrzanów-Trzebinia-Olkusz, następnie wzdłuż tzw. kuesty jurajskiej (wschodnim brzegiem doliny Warty) aż do Częstochowy. Jego granicę od północy stanowi Warta, a od wschodu biegnie ona wzdłuż linii: Krasice-Zalesice-Lelów-Irządze-Żarnowiec-Wysocice i dalej Doliną Dłubni aż do Krakowa.

Wg Kondrackiego (1988) Wyżyna Krakowsko-Częstochowska to makroregion, który dzieli się na 4 mezoregiony: Wyżyna Częstochowska (1300 km²), Wyżyna

Olkuska (820 km²), Rów Krzeszowicki (225 km²) oraz Garb Tenczyński (270 km²).

Wyżyna Częstochowska położona jest między przełomem Warty pod Częstochową a Wyżyną Olkuską. Tworzą ją wapienie górnej jury (malm) zdenudowane przez trzeciorzędowe procesy krasowe, w wyniku których powstały tu tzw. mogoty - skaliste ostańce wapienne. Teren ten na wschodzie graniczy z Wyżyną Miechowską, a na zachodzie opada stromo w stronę Obniżenia Dolnej Warty, tworząc tzw. kuestę jurajską. Ważnym elementem krajobrazu Wyżyny Częstochowskiej są ciągnące się równoleżnikowo wzniesienia, położone między Smoleniem a Niegowonicami (Pasma Smoleńsko-Niegowonickie), którego wysokość względna wynosi 70-100 m.

Północną granicę Wyżyny Olkuskiej (zwanej także Wyżyną Krakowską) wyznacza Biała Przemsza i Szreniawa, wschodnią - Dolina Dłubni, zachodnią - linia łącząca Trzebinę z Olkuszem a południową - rów Krzeszowicki. W północnej części tego regionu dominują ostańce charakterystyczne dla Wyżyny Częstochowskiej, a południowa (Dolinki Podkrakowskie) jest poprzecinana licznymi dolinami i jarami. Najwyżej położony punkt tego obszaru to Skalka „502” (w rzeczywistości 513 m n.p.m.), a w dolinie Prądnika, zlokalizowany jest Ojcowski Park Narodowy.

Rów Krzeszowicki to położone między Trzebiną a Krakowem trzeciorzędowe zapadlisko tektoniczne, którego dnem płynie rzeka Rudawa, do której wpada kilkanaście mniejszych potoków wypływających głównie z Dolinek Podkrakowskich. Wypełniają je czwartorzędowe piaski i gliny, pod którymi znajdują się osady morskiego i lądowego miocenu. Przebiega tu główny szlak komunikacyjny (autostrada, linia kolejowa) łączący Śląsk z Krakowem.

Garb Tenczyński to porozcinany licznymi dolinami, w większej części zalesiony obszar, ciągnący się od Chrzanowa po Kraków równolegle do Rowu Krzeszowickiego i opadający uskokami w kierunku Kotliny Oświęcimskiej i Bramy Krakowskiej. Tworzą go skały pochodzenia wulkanicznego (na zachodzie) i wapienie (na wschodzie). Najwyższe wzniesienie tego regionu to góra zamkowa z ruinami zamku Tenczyn (415 m n.p.m.).

Gleby Wyżyny Krakowsko-Częstochowskiej są raczej ubogie - około 60% stanowią bielice, natomiast gleby brunatne najczęściej występują na Wyżynie Olkuskiej. Z kolei zasobne w składniki pokarmowe rędziny węglanowe towarzyszą najczęściej skałom wapiennym (Musierowicz 1961).

Na skutek znacznej przepuszczalności wapienia jurajskiego woda deszczowa szybko wnika na dużą głębokość w liczne szczeliny skalne (zjawiska krasowe). W związku z tym nie rozwinęła się na tym terenie gęsta sieć rzeczna. Wyżyna Krakowsko-Częstochowska położona jest w obrębie dorzecza Wisły (do której wodę odprowadzają Biała i Czarna Przemsza, Rudawa, Prądnik, Dłubnia i Pilica) oraz Odry (Warta i Wiercica). Nieliczne zbiorniki wodne występują głównie na

obrzeżach badanego terenu i mają niewielkie rozmiary. Spotykamy je głównie w okolicach Kroczyca, Złotego Potoku, Trzebinii i Krakowa-Mydlników, natomiast pojedyncze stawy zlokalizowane są w rejonie Pilicy, Udorza, Wolbromia, Kluczy i Zalesia.

Wyżyna Krakowsko-Częstochowska należy w całości do środkowoeuropejskiej strefy klimatycznej częstochowsko-kieleckiej. Średnia temperatura roczna wynosi tu ok. 7,5°C i jest nieco niższa od średniej krajowej. Najcieplejszym miesiącem jest lipiec (średnia ok. 17°C), najzimniejszym - styczeń (średnia ok. -3°C). Przeciętna suma opadów rocznych wynosi ok. 700 mm (ich ilość wzrasta w kierunku południowym). Na Wyżynie Krakowskiej okres wegetacyjny trwa 200-210 dni w roku, jest więc krótszy o około dwa tygodnie niż na terenach sąsiednich, z wyjątkiem położonych na wschodzie (Kruczała 2000). Charakterystyczne są duże różnice w mikroklimacie, które szczególnie wyraźnie występują w głębokich, skalistych dolinkach na Wyżynie Olkuskiej. Czasem, kiedy w Częstochowie jest już pełna wiosna - to w Podzamczu (Ogrodzieniec) utrzymuje się jeszcze mróz. Podobną sytuację obserwuje się niekiedy w Krakowie i w Ojcowie.

2. METODYKA

2.1. ŹRÓDŁA DANYCH FLORYSTYCZNYCH

Badania florystyczne były prowadzone w latach 1999-2004 przy zastosowaniu metody kartogramu. Przebieg granic Wyżyny Krakowsko-Częstochowskiej wg Kondrackiego (1988), przedstawiono na ryc.1. Region ten podzielono zgodnie z założeniami metodycznymi „*Atlasu rozmieszczenia roślin naczyniowych w Polsce*” - ATPOL (Zajac A. 1978) na podstawowe pola badawcze, którymi były kwadraty o boku 2 km – ich liczba wynosi 660. Badania własne (ponad 200 wyjazdów w teren) prowadzono w 430 jednostkach kartogramu, z których każdą odwiedzano przynajmniej dwukrotnie, wyjątkowo jeden raz (przeznaczając wtedy na jego eksplorację przynajmniej 3-4 godziny). Korzystano z map topograficznych w skali 1:50 000 oraz 1:25 000. Obserwacje prowadzono zaznaczając na listach florystycznych gatunki roślin występujące w poszczególnych jednostkach kartogramu. Każdy takson odnotowywano w danym kwadracie tylko raz – zgromadzono w ten sposób ponad 78 tys. dat florystycznych. Oprócz własnych notowań uwzględniono wszystkie dostępne dane florystyczne pochodzące z literatury (przeszło 28 tys.), zbiorów zielnikowych (ok. 2 tys.) oraz aktualnej bazy ATPOL-u (ponad 89 tys.).

Sposób przedstawienia niektórych danych, pochodzących z literatury lub zbiorów zielnikowych uniemożliwiał niekiedy dokładną lokalizację stanowiska

w określonej jednostce kartogramu (kwadracie o boku 2 km) – często wchodziły w grę 2, 3, 4 lub więcej kwadratów. Wybierano wtedy arbitralnie kwadrat „najbardziej prawdopodobny” tzn. taki, w którym było najwięcej siedlisk specyficznych dla danego gatunku. Z tego powodu określenia lokalizacji stanowisk dla poszczególnych kwadratów badawczych podane w tym opracowaniu nie zawsze są identyczne z oryginalnymi opisami, podawanymi przez różnych autorów.

Materiały zielnikowe zebrane podczas badań terenowych (ok. 1600 arkuszy), zostały złożone w zielniku Zakładu Botaniki Systematycznej WBiOŚ UŚ w Katowicach (KTU). Weryfikacji taksonów krytycznych dokonali: prof. L. Frey (*Avenula*, *Koeleria*), prof. Z. Mirek (*Camelina*, *Glyceria*), prof. A. Pacyna (*Corispermum*), prof. K. Rostański (*Aster*, *Euphorbia*, *Oenothera*, *Valeriana*, *Valerianella*), prof. A. Zajac (*Cerastium*, *Centaurea*), prof. J. Zieliński (*Crataegus*, *Populus*, *Rosa*, *Rubus*, *Salix*), prof. W. Żukowski (*Eleocharis*, *Spergula*), dr W. Bartoszek (*Alchemilla*), dr L. Bernacki (*Orchidaceae*), dr E. Cieślak (*Caltha*, *Veronica hederifolia* s. l.), prof. J. Mitka (*Aconitum*), dr T. Nowak (*Centaurea*), dr B. Paszko (*Calamagrostis*), dr A. Stengl (*Amaranthus*), prof. Z. Szelaąg (*Hieracium*, *Orobanche*, *Potentilla*, *Thymus*), dr M. Wayda (*Epilobium adnatum*, *E. lamyi*), dr J. Wójcicki (*Cardamine*), dr E. U. Zajac (*Bromus*, *Fumaria*), dr J. Zalewska-Gałosz (*Potamogeton*), dr E. Proszkiewicz (*Euphrasia*) - za co składam Im podziękowania.

W wykazie kartogramów uwzględniono wszystkie rodzime rośliny naczyniowe oraz antropofity trwale zdomowione na analizowanym terenie oraz gatunki o niepewnym statusie we florze Polski. Nazwy taksonów podano za „Krytyczną listą roślin naczyniowych Polski” (Mirek i in. 2002) a gatunki uporządkowano w kolejności alfabetycznej.

2.2. OBJAŚNIENIA ZASTOSOWANYCH SYMBOLI I SKRÓTÓW

Stanowiska poszczególnych gatunków oznaczono na mapie kropką - ●.

Przed nazwami gatunków zastosowano następujące symbole:

* - archeofit

** - kenofit

[*] - status gatunku niepewny

Δ - gatunek rodzimy, posiadający na badanym terenie wyłącznie stanowiska synantropijne

+ - gatunek wymarły na badanym terenie

2.3. GATUNKI POMINIĘTE W ATLASIE

Gatunki prawdopodobnie niezadomowione na badanym terenie:

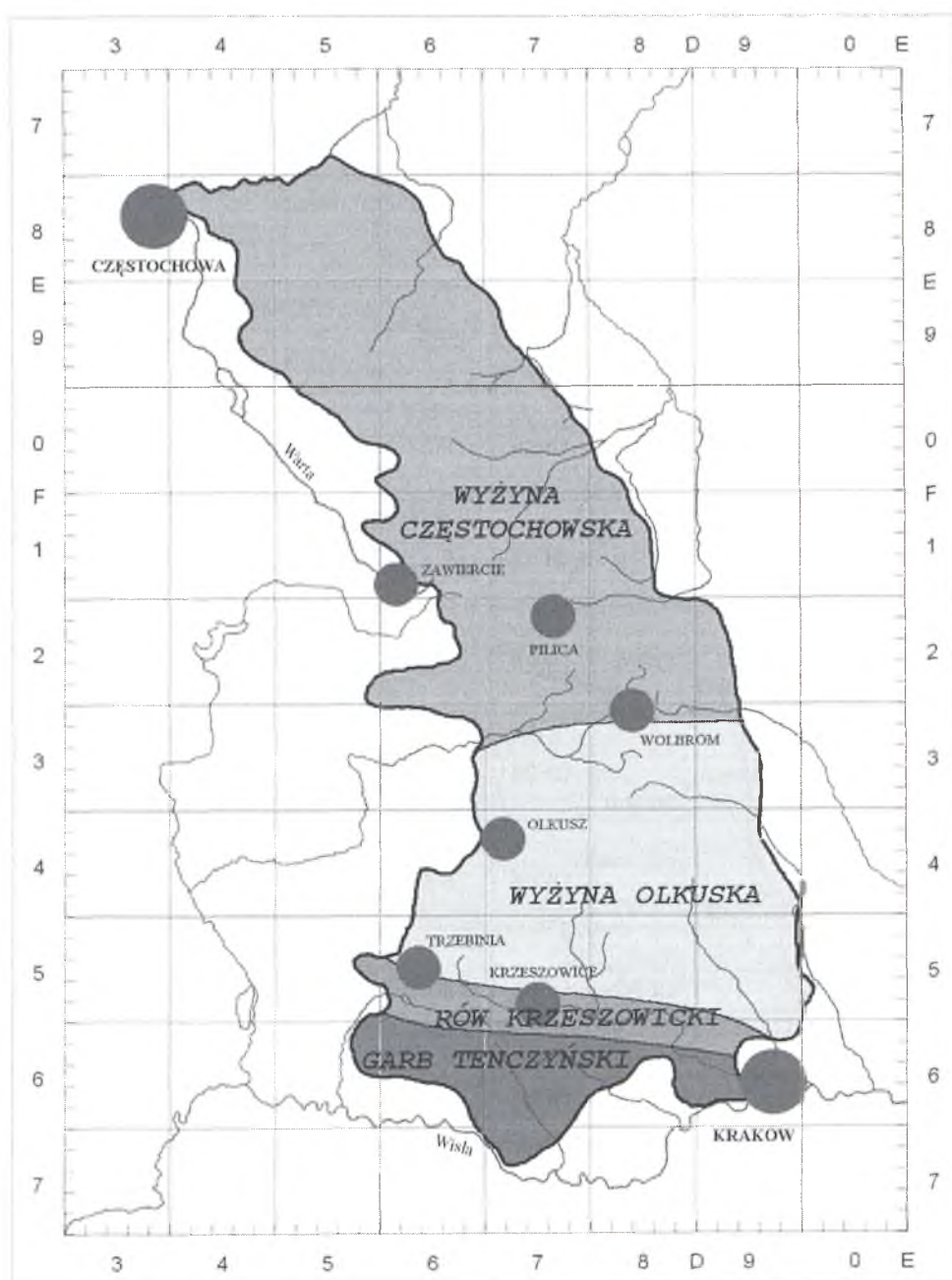
Acer saccharinum L., *Arabis recta* Vill., *Aristolochia clematitis* L., *Aster novae-angliae* L., *Bromus commutatus* Schrad., *Cerasus mahaleb* (L.) Mill., *Chrysanthemum segetum* L., *Cyclamen purpurascens* Mill., *Larix kaempferi* (Lamb.) Carrière, *Lathyrus hirsutus* L., *Linaria repens* (L.) Mill., *Lycopersicon esculentum* Mill., *Mentha x niliaca* (Juss.) ex Jacq., *Muscari comosum* (L.) Mill., *Pinus cembra* L., *Pinus nigra* J. F. Arnold., *Pinus strobus* L., *Populus x berolinensis* (K. Koch) Dippel, *Reseda phyteuma* L., *Rhododendron luteum* Sweet, *Ribes rubrum* L., *Sedum spurium* M. Bieb., *Sorbus aria* (L.) Crantz, *Spiraea chamaedryfolia* L. emend. Jacq., *Telekia speciosa* (Schreb.) Baumg., *Ulex europaeus* L., *Viburnum lantana* L.

Taksony krytyczne lub niskiej rangi, wymagające rewizji, rzadko wyróżniane.

Galium album Mill., *Galium elongatum* C. Presl, *Galium wirtgenii* F. W. Schultz, *Phleum hubbardii* D. Kováts.

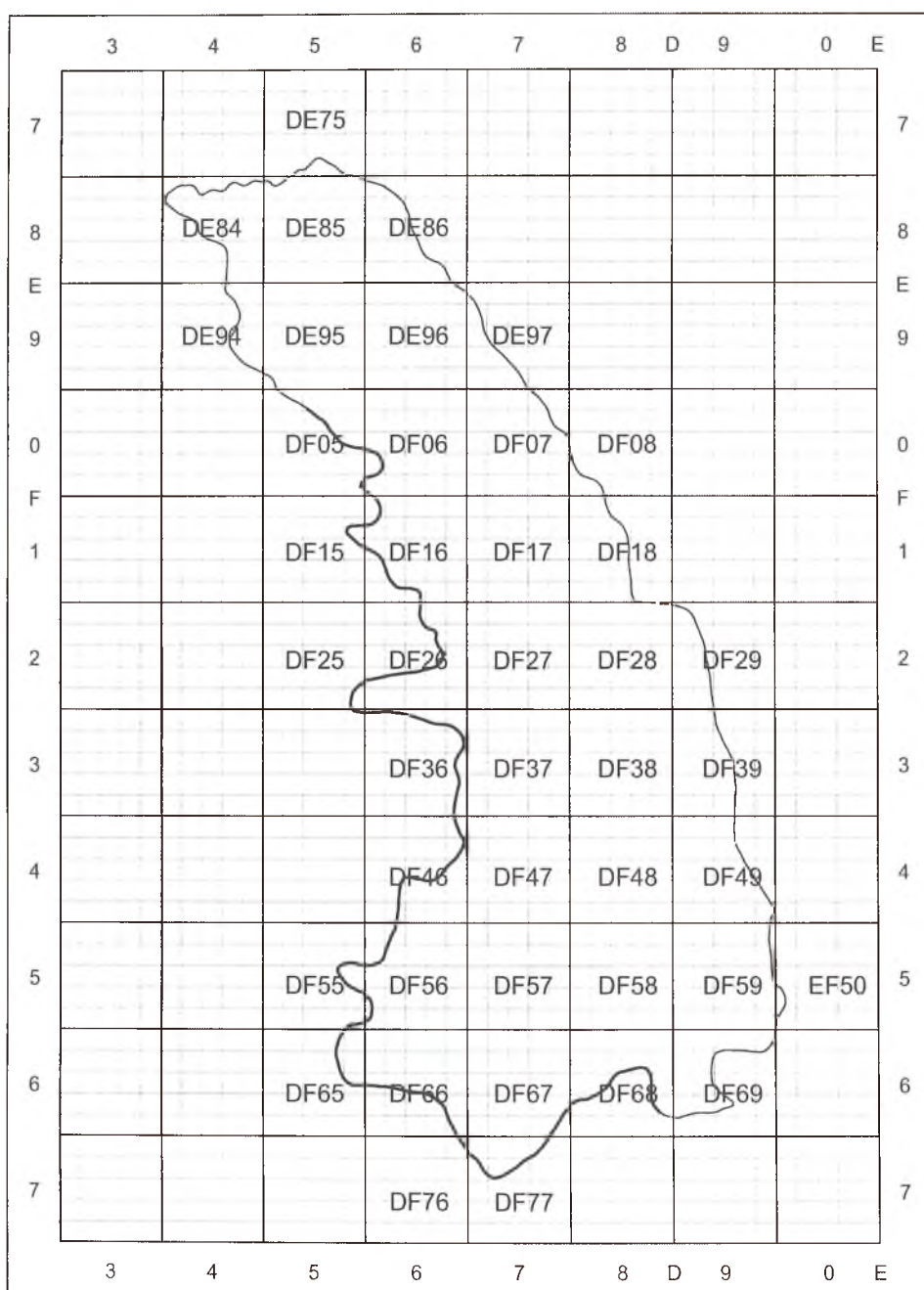
Gatunki, dla których materiał kartograficzny jest niekompletny:

Avena x vilis Wallr., *Cerasus vulgaris* Mill., *Juglans regia* L., *Malus domestica* Borkh., *Populus* 'NE42', *Populus candicans* Aiton, *Populus nigra* L. 'Italica', *Prunus domestica* L. subsp. *domestica*, *Pseudotsuga menziesii* (Mirb.) Franco, *Pyrus communis* L., *Reynoutria x bohémica* Chrték & Chrtková, *Rhus typhina* L., *Symphoricarpos albus* (L.) S. F. Blake, *Syringa vulgaris* L.



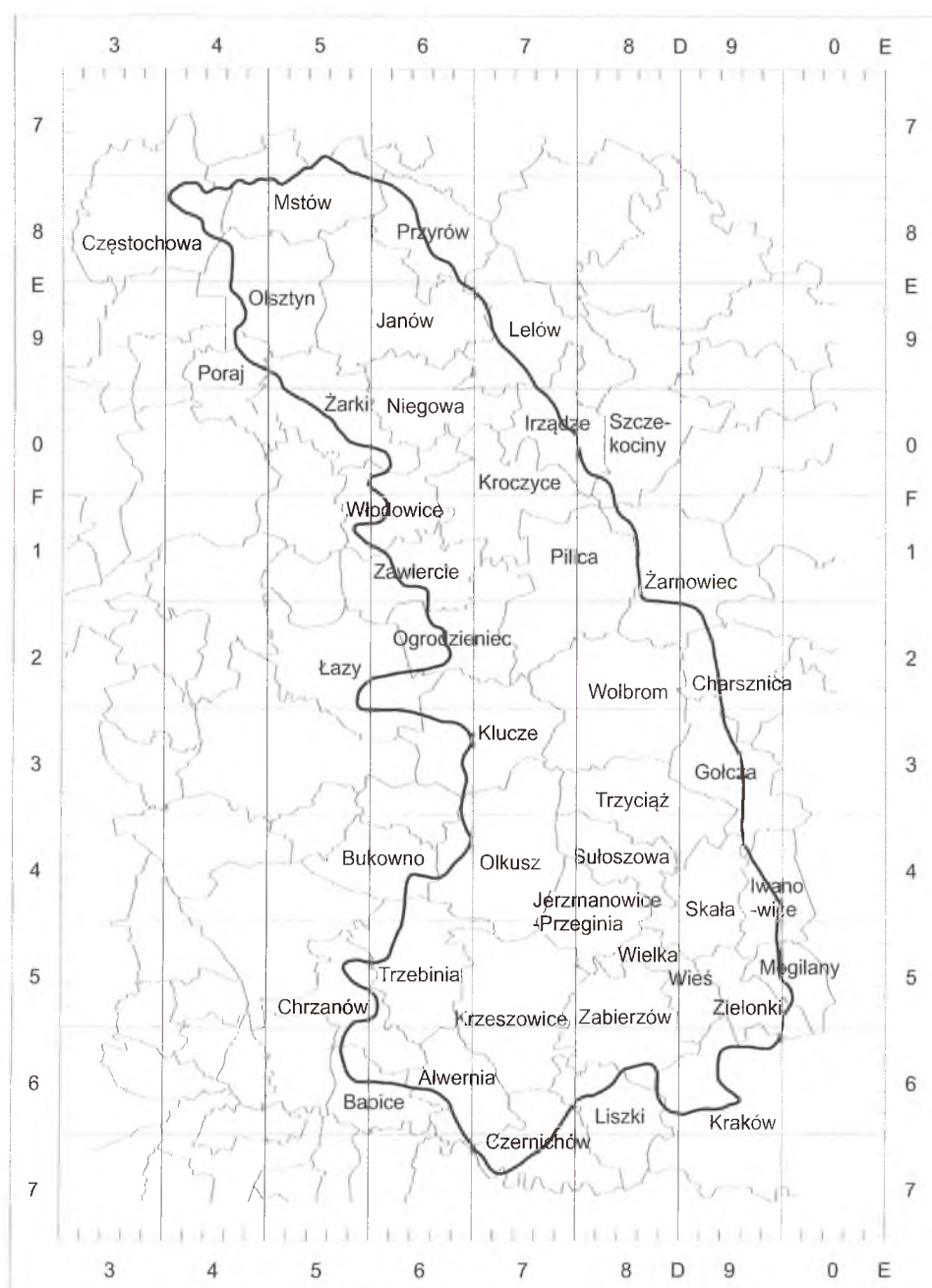
Ryc.1. Podział badanego terenu na mezoregiony na tle siatki kwadratów Atlasu rozmieszczenia roślin naczyniowych w Polsce - ATPOL (Zajłł A. & Zajłł M 2001).

Fig. 1. Subdivision of the study area into mesoregions superimposed on the network of squares according to the Atlas of distribution of vascular plants in Poland - ATPOL (Zajłł A. & Zajłł M 2001).



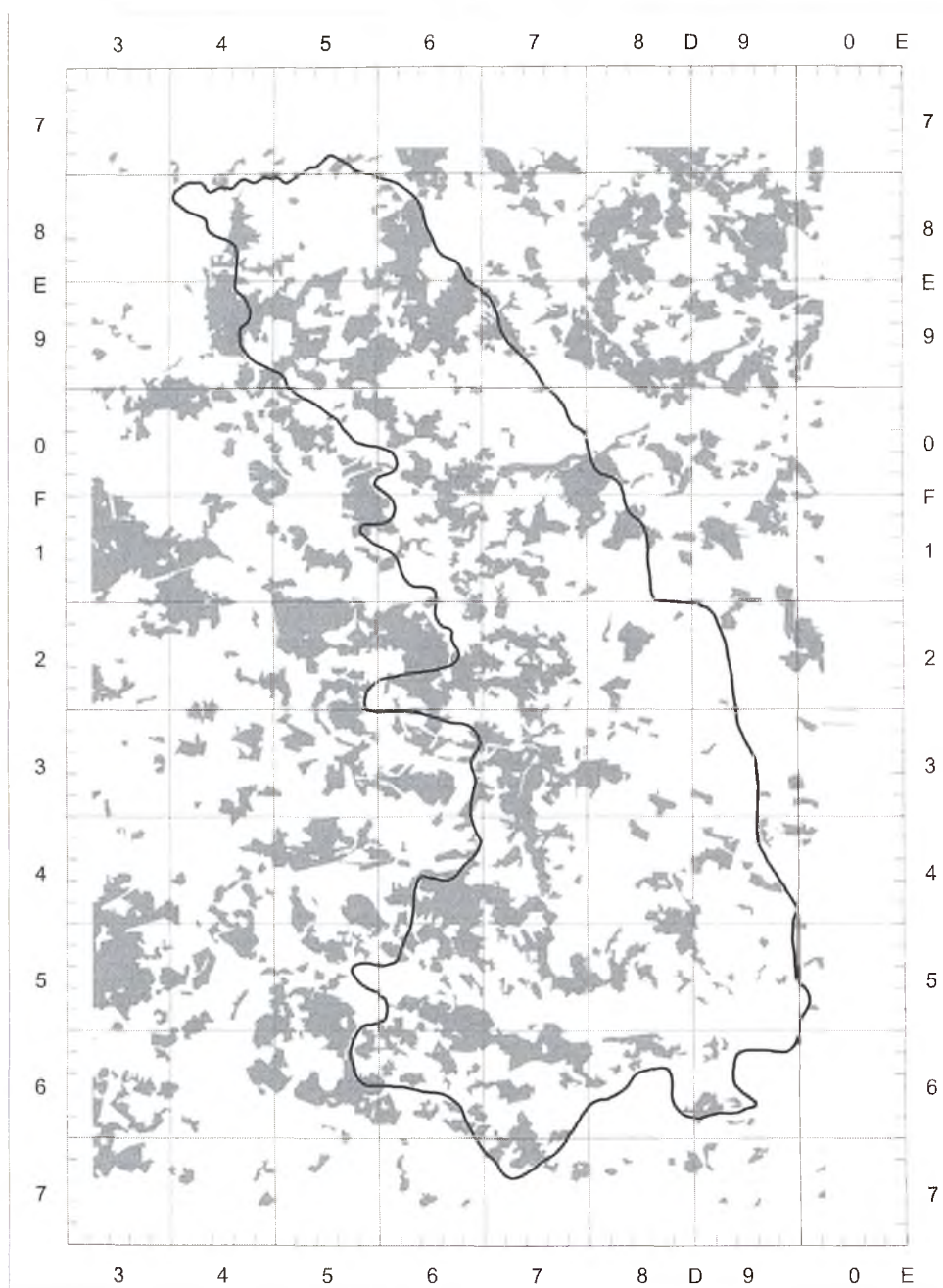
Ryc. 2. Badany teren z uwzględnieniem siatki kwadratów ATPOL.

Fig. 2. The study area with ATPOL square symbols.



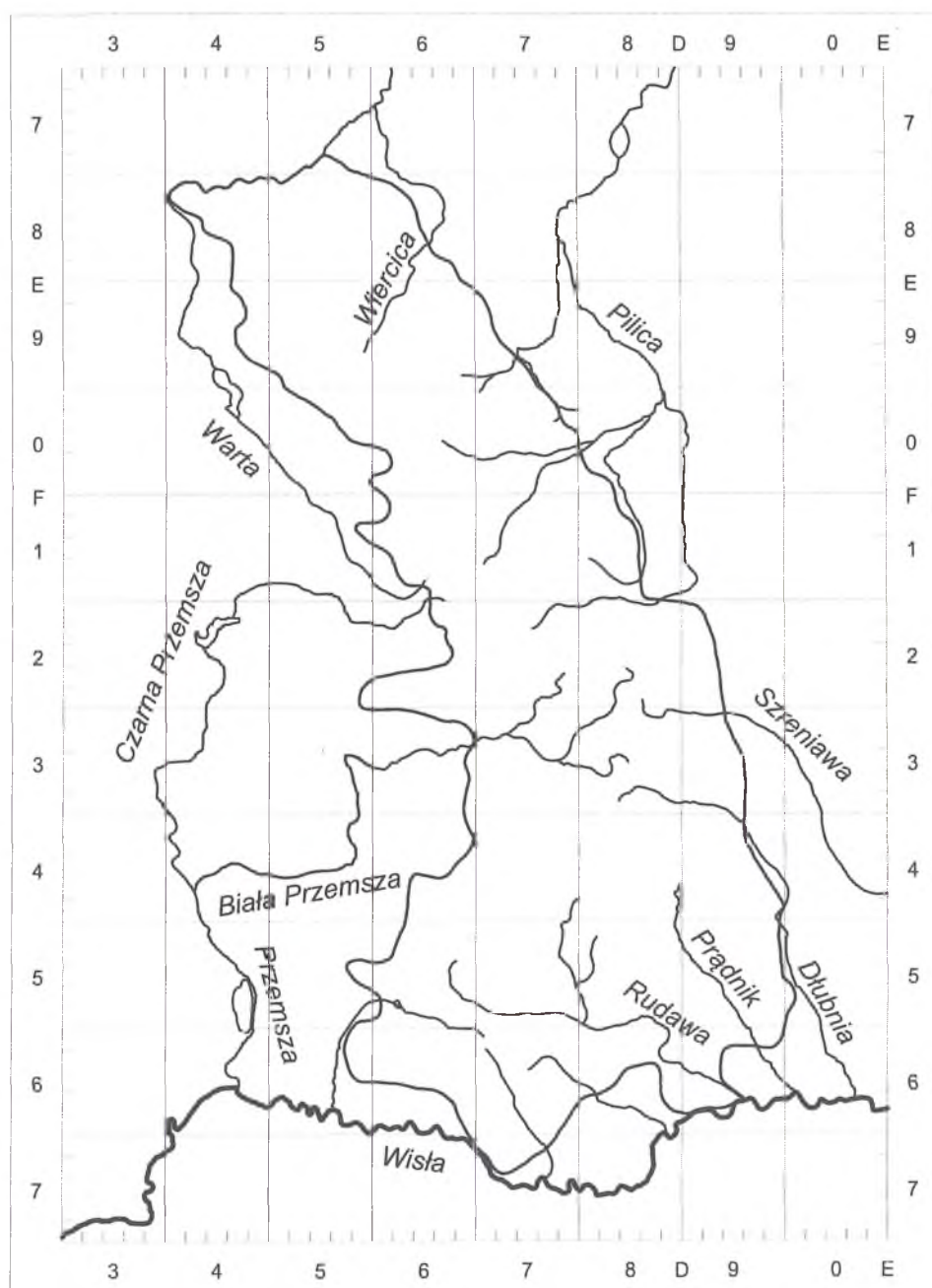
Ryc. 3. Podział administracyjny.

Fig. 3. Administrative division.



Ryc. 4. Rozmieszczenie lasów.

Fig. 4. Forest distribution.



Ryc. 5. Hydrografia.

Fig. 5. Hydrography.

2.4. WYKAZ PODSTAWOWYCH JEDNOSTEK KARTOGRAMU

DE7541 na W od Łuszczyna (Kłobukowice)	DE8600 Pniaki Mokrzeskie
DE7542 Łuszczyn	DE8601 Wola Mokrzeska, Smyków
DE7543 Krasice Cygańskie	DE8610 na E od Kuśmerek
DE8400 Częstochowa (Aniołów, Kamień)	DE8611 na S od Smykowa
DE8401 Częstochowa (Komorniki)	DE8620 na E od Żurawia
DE8402 na N od Hektarów	DE8621 na NE od Lipnika
DE8403 Siedlec, Grodzisko, „Gąszcz”	DE8622 rezerwat „Wielki Las”
DE8404 Mstów - część W	DE8630 Lipnik
DE8410 Częstochowa (Złota Góra, Zawodzie)	DE8631 na N od Julianki
DE8411 na S od Mirowa	DE8632 Zalesice
DE8412 Hektary, Ossona	DE8640 Śmiertny Dąb
DE8413 na W od Gąszczyka	DE8641 Julianka
DE8414 Gąszcz	DE8642 Sieraków, Sygontka
DE8422 na E od Huty Częstochowa	DE8643 na S od Staropola
DE8423 na W od Srocka	DE9403 Skrajnica
DE8424 Brzyszków	DE9404 na S od Olsztyna
DE8433 Kusięta, Zielona Góra	DE9414 na NW od Biskupic
DE8434 na N od Olsztyna	DE9423 Dębowiec
DE8443 na W od Olsztyna	DE9424 na W od Biskupic
DE8444 Olsztyn	DE9433 Choroń
DE8500 Mstów – część E	DE9434 Wojnowka Chorońska
DE8501 na N od Zawady	DE9500 na S od Przyimiłowice
DE8502 na W od Krasice	DE9501 Zrębice Pierwsze
DE8503 Krasice	DE9502 Rędziny
DE8504 na E od Krasice	DE9503 Skowronów
DE8510 Małusy Małe – część N	DE9504 Piasek
DE8511 na S od Zawady	DE9510 rezerwat „Sokole Góry” – część SE
DE8512 na W od Mokrzesza	DE9511 Zrębice Drugie
DE8513 Mokrzesz	DE9512 na W od Pabianic
DE8514 Kuśmierki	DE9513 Pabianice
DE8520 Małusy Małe – część S	DE9514 na W od Janowa
DE8521 Małusy Wielkie	DE9520 Biskupice
DE8522 Kobyłczyce – część W	DE9521 na E od Biskupic
DE8523 Kobyłczyce – część E	DE9522 Siedlec Janowski – część W
DE8524 Żuraw	DE9523 Siedlec Janowski – część E
DE8530 na W od Turowa	DE9524 na SW od Złotego Potoku
DE8531 Turów	DE9530 na W od Zaborza
DE8532 Bukowno, Okupniki	DE9531 Zaborze
DE8533 Zagórze	DE9532 Suliszowice, Szczypie
DE8534 Okrąglik	DE9533 na S od Siedlca Janowskiego,
DE8540 Przyimiłowice	Krzyżów
DE8541 Przyimiłowice - Podgrabie	DE9534 rezerwat „Parkowe”
DE8542 Bukowno	DE9540 Pustkowie Przybynowskie
DE8543 Czepurka	DE9541 Przybynow – część N
DE8544 na E od Czepurki	DE9542 na S od Suliszowic

DE9543 Kolonia Zawada	DF0603 Tomiszowice - część W
DE9544 Czatachowa	DF0604 Tomiszowice - część E
DE9600 na N od Janowa	DF0610 na W od Łutowca
DE9601 na NE od Janowa, Ponik	DF0611 na N od Mirowa
DE9602 na S od Sierakowa	DF0612 Ogorzelnik - część W
DE9603 na SE os Sierakowa	DF0613 Ogorzelnik - część E
DE9604 na S od Konstantynowa	DF0614 Bliżyce
DE9610 Janów	DF0620 na E od Jaworznika
DE9611 na E od Janowa	DF0621 Mirów
DE9612 rezerwat „Kaliszak”	DF0622 Bobolice
DE9613 na NW od Bystrzanowic	DF0623 Zdów
DE9614 Teodorów	DF0624 Dobrogoszyce
DE9620 na S od Złotego Potoku	DF0630 Kotowice - część W
DE9621 na SE od Złotego Potoku	DF0631 Kotowice - część E
DE9622 Hucisko	DF0632 Hucisko, Jęderki
DE9623 Bystrzanowice	DF0633 na S od Zdowa
DE9624 Łgoczanka	DF0634 Młyny
DE9630 Ludwinów	DF0640 Góra Włodowska
DE9631 Gorzków Nowy	DF0641 Rzędkowickie Gaje
DE9632 Gorzków Stary, rez. „Bukowa Kępa”	DF0642 Rzędkowice, Skały Rzędkowickie
DE9633 Bystrzanowice Dwór	DF0643 rez. „Góra Zborów”, Góra Kołoczek
DE9634 na S od Łgoczanki	DF0644 na NW od Kroczyca, Skały
DE9640 Trzebnów	Kroczyckie
DE9641 na W od Postaszowic	DF0700 Brzozowa Góra, Poprzecze
DE9642 na E od Postaszowic	DF0701 Podłużne - Bukowiec, Sokolniki
DE9643 Mzurów	DF0702 Wilgoszcza – część W
DE9644 Zagaje	DF0703 Wilgoszcza – część E (Wygielzów)
DE9710 na E od Teodorowa	DF0710 na W od Zagórza
DE9720 Podlelowie	DF0711 Zagórze
DE9730 Łgota Błotna	DF0712 Woźniki, Sadowie
DE9731 na W od Lelowa	DF0713 na W od Irządzy
DE9732 Lelów	DF0714 Irządze
DE9740 Łgota Gawronna	DF0720 Dzibice
DE9741 Stara Wielka	DF0721 Bodziejowice
DE9742 Turzyn	DF0722 na N od Białej Błotnej
DF0501 Przybynów – część S	DF0723 Wilków
DF0502 na S od Jaroszowa	DF0724 Kolonia Góry
DF0503 Przewodziszwice	DF0730 Kostkowice
DF0504 na S od Kolonii Trzemieszów	DF0731 na E od Kostkowic
DF0512 Żarki – część W	DF0732 na S od Białej Błotnej
DF0513 Żarki – część E	DF0733 na NE od Pradeł
DF0514 na E od Żarek	DF0734 Krztynia, stawy
DF0523 na SE od Żarek	DF0740 na N od Kroczyca, Marianka
DF0524 Jaworznik	DF0741 Siemierzycy
DF0600 na W od Moczydła	DF0742 Pradła – część W
DF0601 Moczydło	DF0743 Pradła – część E
DF0602 Niegowa	DF0744 na E od Pradeł

DF0830 na S od leśniczówki Zawada	DF1734 Kidów
DF0840 na W od Ołudzy	DF1740 Kiełkowice
DF0841 Ołudza	DF1741 Giebło
DF1514 Skałka, Kopaniny	DF1742 Gulzów
DF1524 na W od Rudnik	DF1743 na N od Pilicy
DF1600 na W od Włodowic	DF1744 na N od Sławniowa
DF1601 na E od Włodowic	DF1800 na W od Jasieńca
DF1602 Kolonia Zagórze	DF1801 na E od Jasieńca
DF1603 Podlesice, Skały Morskie	DF1810 Solca
DF1604 na W od Kroczyce	DF1811 na E od Solcy
DF1610 na N od Rudnik	DF1812 Ostra Górka
DF1611 Parkoszowice	DF1820 Siadczą
DF1612 Morsko	DF1821 Dobraków Średni
DF1613 Piaseczno	DF1822 Dobraków, Podleśna
DF1614 między Piasecznem a Lgotą Murowaną	DF1830 na E od Kidowa
DF1620 Rudniki	DF1831 Przychody, Kolonia Podrędzinna
DF1621 Pomrońcyce	DF1832 Podoły
DF1622 Skarżycę – część W	DF1840 Wierbka
DF1623 Skarżycę – część E	DF1841 Maleszyna
DF1624 Żerkowice	DF1842 Wierzbica
DF1631 Łośnice	DF2544 Lipowa Górka
DF1632 Kromołów	DF2602 na NW od Ogrodzieńca
DF1633 między kromołowem a Żerkowicami	DF2603 Bzów
DF1634 na N od Karlina	DF2604 na N od Podzamcza, Góra Birów
DF1642 na S od Kromołowa	DF2613 Ogrodzieniec
DF1643 na N od Bzowa	DF2614 Podzamcze
DF1644 Karlin	DF2623 na S od Ogrodzieńca
DF1700 Kroczyce	DF2624 na S od Podzamcza
DF1701 na W od Zarzecza	DF2630 na S od Rokitna Szlacheckiego
DF1702 Huta Szklana	DF2631 na N od Grabowej
DF1703 Siedliszowice	DF2632 rezerwat „Góra Chełm”, Hutki Kanki
DF1704 na E od Górnej Wsi	DF2633 na N od Rodaków
DF1710 Lgota Murowana	DF2634 na W od Żelazka, Śrubarnia
DF1711 Przyłubsko	DF2640 między Grabową a Niegowonicami
DF1712 na N od Sierbowic	DF2641 Grabowa
DF1713 na N od Szyce	DF2642 na E od Grabowej
DF1714 na W od Solcy	DF2643 Rodaki – część W
DF1720 na W od Siamoszyce	DF2644 Rodaki – część E
DF1721 na S od Przyłubskiej	DF2700 Morusy
DF1722 Szypowice, Sierbowice	DF2701 Kocikowa, Kolonia Giebło
DF1723 Szyce – część W	DF2702 na W od Pilicy, Owczarnia
DF1724 na W od Siadczyc	DF2703 Pilica
DF1730 Kiełkowice Stare	DF2704 Sławniów
DF1731 Mokrus	DF2710 na E od Podzamcza
DF1732 na S od Szypowic	DF2711 Wola Kocikowa
DF1733 Dzwonowice – część N	DF2712 na SW od Pilicy
	DF2713 na S od Pilicy

- DF2714 na N od Smolenia
DF2720 na W od Ryczowa
DF2721 Ryczów
DF2722 na E od Ryczowa
DF2723 Złożeniec – Wiesławów
DF2724 Smoleń, Strzegowa
DF2730 Żelasko
DF2731 na S od Ryczowa
DF2732 na N od Krzywopłotów
DF2733 Czarny Las
DF2734 na S od Strzegowej, Piaski
DF2740 Ryczówek
DF2741 Kwaśniów Górny
DF2742 Krzywopłoty, Zawadka
DF2743 Domaniewice
DF2744 Nowa Wieś
DF2800 między Kleszczową a Sławniowem
DF2801 Kleszczowa
DF2802 Udórz – część W
DF2803 Udórz – część E
DF2804 na N od Chliny
DF2810 Cisowa
DF2811 na S od Kleszczowej
DF2812 na SW od Udorza
DF2813 na SE od Udorza
DF2814 Chlina
DF2820 Kąpiołki
DF2821 Kąpiele Wielkie – część E
DF2822 Poręba Dzierżna – część W
DF2823 Poręba Dzierżna – część E
DF2824 Grabowiec
DF2830 Domiarki, Sarnie Doły
DF2831 Kolonia Kąpieliska
DF2832 Łobzów
DF2833 Boża Wola
DF2834 Jeżówka
DF2840 Dłużec
DF2841 Nowa Łąka, Zabagnie
DF2842 Wolbrom (Wymysłów, Kozina)
DF2843 na S od Bożej Woli
DF2844 na S od Jeżówki
DF2900 Zamiechówka – część E
DF2910 Podlesie, Kolonia Jelcza
DF2911 Jelcza
DF2920 na N od Wierzbia
DF2921 Tczyca
DF2930 Swojczany, Susznia
DF2931 Swojczany
DF2940 Wygoda
DF2941 Podlesice, Psiarków
DF3602 Skałbania
DF3603 na N od Chechła
DF3604 Rzeką
DF3614 Pustkowie, Buczna Góra
DF3624 Klucze – część W
DF3634 na W od Bogucina Dużego
DF3644 Pomorzany
DF3700 Kwaśniów Dolny, Ostra Góra
DF3701 na W od Cieślina
DF3702 Cieślin
DF3703 Bydlin
DF3704 na N od Zarzecza
DF3710 na W od Golczowic
DF3711 Golczowice
DF3712 na E od Golczowic, Łęg Kolbarski
DF3713 na SE od Kolbarku
DF3714 Zarzecze, Kamionki
DF3720 na E od Kluczy
DF3721 Jaroszewiec
DF3722 Jaroszewiec PKP, Pazurek
DF3723 na W od Chrzastowic
DF3724 Chrzastowice PKP
DF3730 Bogucin Duży
DF3731 na S od Jaroszewca
DF3732 Podlesie
DF3733 Kolonia Braciejówka
DF3734 rezerwat „Michałowiec”
DF3740 Bogucin Mały
DF3741 Rabsztyn
DF3742 Troks
DF3743 Braciejówka
DF3744 Michałówka
DF3800 Kaliś, Skała
DF3801 Kolonia Piaski
DF3802 Wolbrom
DF3803 Brzozówka
DF3804 na E od Wierchowiska
DF3810 Gołaczewy
DF3811 Chełm
DF3812 Kamienna Góra, Szwajcary
DF3813 Poręba Górna
DF3814 na N od Budzyna
DF3820 na S od Gołaczewów
DF3821 Sucha Góra, Pochybie

DF3822 Sucha - Parcele	DF4714 na S od Trzeciej Sułoszowej
DF3823 Porąbka	DF4720 Witeradów
DF3824 Budzyń	DF4721 na E od Witeradowa
DF3830 Cieplice, Pod Michałówką	DF4722 Zimnodół – część E
DF3831 na N od Jangrota	DF4723 Zederman
DF3832 na N od Trzyciąża	DF4724 na E od Zedermana
DF3833 na S od Porąbki	DF4730 na S od Witeradowa
DF3834 Głanów	DF4731 Osiek
DF3840 na E od Michałówki	DF4732 na W od Zawady
DF3841 Jangrot	DF4733 na E od Zawady
DF3842 Trzyciąż	DF4734 Przeginia – część W
DF3843 na E od Trzyciąża	DF4740 na E od Niesułowic
DF3844 na S od Głanowa	DF4741 Gorenice – część W
DF3900 Wierzchowisko	DF4742 Gorenice – część E
DF3901 Adamowice	DF4743 Kolonia Polesie
DF3910 Trzebienice	DF4744 Czubrowice
DF3911 Kamienica	DF4800 na NE od Sułoszowej Trzeciej
DF3912 Cieplice	DF4801 między Jangrotem a Sułoszową
DF3920 Buk	Drugą
DF3921 Chobędza	DF4802 na W od Zadroża
DF3922 Gołcz, Wielkanoc	DF4803 Zadroże
DF3930 Zawadka	DF4804 na E od Zadroża
DF3931 Ulina Wielka	DF4810 między Sułoszową Drugą a Trzecią
DF3932 Ulina Mała	DF4811 Sułoszowa Druga
DF3940 Imbramowice	DF4812 na E od Sułoszowej Drugiej
DF3941 Małyszycze	DF4813 Wielmoża
DF3942 Ściborzyce	DF4814 między Starą Wsią a Tarnawą
DF4604 Stary Olkusz (Parceze Dolne)	DF4820 na N od Przeginii
DF4614 Olkusz (Czarna Góra)	DF4821 na W od Sułoszowej Pierwszej
DF4624 Żurada	DF4822 Sułoszowa Pierwsza, Pieskowa Skała
DF4631 Podlesie	DF4823 na S od Wielmoży
DF4632 na E od Podlesia	DF4824 Kolonia Kamieniec, Zaścieże
DF4633 na SW od Żurady	DF4830 Przeginia – część E
DF4634 na S od Żurady	DF4831 Gotkowice
DF4641 na S od Podlesia	DF4832 Skotnica
DF4642 na E od Czyżówki	DF4833 Wola Kalinowska
DF4643 na N od Płoków	DF4834 na W od Skały, Grodzisko
DF4644 Niesułowice	DF4840 na E od Czubrowic
DF4700 Olkusz (Sikorka)	DF4841 Jerzmanowice
DF4701 na N od Olewina	DF4842 Lepianka Sąspowska
DF4702 na S od Troksa	DF4843 Dolina Sąspowska
DF4703 na S od Braciejówki	DF4844 Ojców
DF4704 na N od Trzeciej Sułoszowej	DF4900 na NE od Tarnawy
DF4710 Olkusz PKP	DF4901 Ściborzanka
DF4711 Sieniczno	DF4902 Wysocice
DF4712 Wiśliczka	DF4910 Tarnawa – część E
DF4713 Kosmołów	DF4911 Barbarka

DF4912 Gołyszyn	DF5711 Nowa Góra
DF4913 na E od Gołyszyna (Grzegorzowice)	DF5712 Czerna – część N
DF4920 na N od Skały	DF5713 Paczółtowice
DF4921 Minoga – część W	DF5714 Żary
DF4922 Minoga – część E	DF5720 Filipowice – część N
DF4923 Zagaje	DF5721 Miękinia
DF4930 Skała	DF5722 Czerna - część S
DF4931 na E od Skały, Nowa Wieś	DF5723 na W od Dębnika
DF4932 Przybysławice, Zamłynie	DF5724 Dubie, rezerwat „Dolina Raclawki”
DF4933 na E od Przybysławic, Sułkowice	DF5730 Filipowice - część S
DF4934 Iwanowice Włosciańskie	DF5731 na W od Krzeszowic
DF4940 na S od Skały	DF5732 Krzeszowice – część N
DF4941 na W od Rzeplina	DF5733 Żbik
DF4942 Rzeplin	DF5734 Siedlec
DF4943 Krasieniec	DF5740 Wola Filipowska (Pasternik)
DF4944 na E od Krasieńca (Iwanowice)	DF5741 na W od Tenczyna
DF5524 Balin Duży, Piaski Małe	DF5742 na S od Krzeszowic
DF5601 na S od elektrowni „Siersza”	DF5743 na NW od Nawojowej Góry
DF5602 na N od Myślachowic	DF5744 Młynka
DF5603 Płoki	DF5800 rezerwat „Dolina Szklarki”
DF5604 na S od Lgoty	DF5801 na N od Łazów
DF5610 na S od Sierszy	DF5802 na E od Łazów
DF5611 Trzebinia (Krze)	DF5803 Czajowice
DF5612 Myślachowice	DF5804 na S od Ojcowa, Prądnik Ojcowski
DF5613 rezerwat „Ostra Góra”	DF5810 Szklary
DF5614 na NE od Psarów	DF5811 na N od Będkowic
DF5620 Trzebinia (Wodna)	DF5812 na NE od Będkowic
DF5621 Trzebinia PKP (Trzbionka)	DF5813 na S od Bębła
DF5622 na N od Młoszowej	DF5814 na N od Białego Kościoła
DF5623 Karniowice	DF5820 na N od Radwanowic
DF5624 na E od Karniowic	DF5821 Dolina Będkowska – część S
DF5630 na E od Chrzanowa	DF5822 Dolina Kobylańska
DF5631 na N od Piły Kościeleckiej	DF5823 Żelków
DF5632 Młoszowa, Piaski	DF5824 rezerwat „Dolina Kluczwoły”
DF5633 Dulowa	DF5830 Radwanowice
DF5634 na E od Dulowej	DF5831 Brzezinka
DF5640 Kopanina	DF5832 Więckowice
DF5641 Piła Kościelecka	DF5833 Bolechowice
DF5642 Zaniwie	DF5834 Ujazd
DF5643 na S od Dulowej	DF5840 Rudawa
DF5644 Gajówka „Za Białką”	DF5841 Niegoszowice
DF5700 Ostreżnica	DF5842 na S od Więckowic
DF5701 na E od Ostreżnicy	DF5843 Zabierzów – część N
DF5702 na S od Gorenicy - Nawisia	DF5844 Brzezic
DF5703 na W od Raclawic	DF5900 Smardzowice
DF5704 Raclawice	DF5901 na E od Smardzowic (Cianowice)
DF5710 na S od Łanów	DF5902 na E od Szczodrkowic

DF5903 Damice	DF6704 na W od Nielepic
DF5904 Maszków	DF6710 Grojec
DF5910 Maszyce	DF6711 między Grojcem a Zalasem
DF5911 na E od Maszyc	DF6712 Zalas
DF5912 Owczary	DF6713 Frywałd
DF5913 na S od Naramy	DF6714 Baczyn
DF5914 na S od Wilczkowic	DF6720 na N od Poręby Żegoty
DF5920 Wielka Wieś	DF6721 na SW od Zalasu
DF5921 Korzkiew	DF6722 na W od Sanki
DF5922 Przybysławice, Garliczka	DF6723 na E od Sanki
DF5923 Wola Zachariaszewska	DF6724 rezerwat „Zimny Dół”
DF5924 na W od Michałowic	DF6730 Poręba Żegoty
DF5930 Szyce, Wygwizdów	DF6731 na E od Poręby Żegoty
DF5931 Giebułtów	DF6732 na W od Rybnej
DF5932 Trojanowice	DF6733 Rybna
DF5933 na E od Garlicy	DF6734 na N od Czułówka
DF5934 na W od Młodziejowic	DF6740 Mirów
DF5940 Modlnica, Modlniczka	DF6741 na SE od Brodół
DF5941 na E od Modlniczki	DF6742 na W od Zagórza
DF5942 Zielonki	DF6743 na E od Zagórza
DF5943 na E od Zielonek	DF6744 na S od Czułówka
DF5944 Węgrzyce	DF6800 Nielepie
DF6504 na N od Zagórza	DF6801 Kleszczów
DF6514 Zagórze	DF6802 na N od Burowa
DF6524 rezerwat „Bukowica”	DF6803 Zabierzów – część S
DF6600 Pogorzyce, Żrebce	DF6804 między Zabierzowem a Rząską
DF6601 na N od Płazy	DF6810 Brzoskwinia
DF6602 Bołecin	DF6811 na W od Aleksandrowic
DF6603 na N od Regulic Górnych	DF6812 Aleksandrowice
DF6604 na N od Nieporaza	DF6813 Balice
DF6610 na S od Pogorzyc, Starzyny	DF6814 na SE od Szczyglic
DF6611 Płaza – część S	DF6820 rezerwat „Dolina Mnikowska”
DF6612 Siemota	DF6821 na SW od Morawicy
DF6613 na W od Regulic Górnych	DF6824 Olszanica
DF6614 na E od Regulic Górnych	DF6830 na S od Mnikowa
DF6620 Babice – część W	DF6834 na N od Bieleń
DF6621 Babice – część E	DF6900 na NE od Rząski, Pasternik
DF6622 Kwaczała – część N	DF6901 Bronowice Wielkie
DF6623 Regulice, Sikorówka	DF6902 Tonie
DF6624 Alwernia – część N	DF6903 na N od Prądnika Białego, Witkowice
DF6633 Alwernia, Zakłady Chemiczne	DF6904 na S od Węgrzyc
DF6634 na S od Alwerni	DF6910 Mydlniki
DF6644 Okleśna	DF6911 Bronowice Małe
DF6700 Rudno	DF6920 Wola Justowska – część W
DF6701 na E od Rudna	DF6921 Wola Justowska – część E
DF6702 na SE od Tenczynka	DF6930 Las Wolski
DF6703 na SW od Nawojowej Góry	DF6931 Przegorzały

DF6932 Zwierzyniec
DF7604 Podłęże
DF7700 na W od Kamienia
DF7701 na E od Kamienia
DF7702 na NE od Rusocic
DF7703 na S od Przeginii Duchownej
DF7710 na SW od Rusocic
DF7711 Rusocice
DF7712 na SE od Rusocic
EF5030 Młodziejowice

INTRODUCTION

The present study includes distribution maps for 1436 vascular plant species (native and permanently naturalised anthropophytes) which have hitherto been reported from the area of Kraków-Częstochowa Uplands. The study constitutes the publication of results of the scientific project entitled “Biodiversity and phytogeographical problems of the Kraków-Częstochowa Jurassic Uplands” which took place in 2000-2004 and was financed by the Polish State Committee for Scientific Research. The data presented here are based on an ample material (over 200 thousand floristic records) collected during own field studies, derived from literature, herbarium collections as well as unpublished studies of other authors.

I wish to express my sincere gratitude to Prof. Adam Zajac from the Institute of Botany, Jagiellonian University, for granting me access to data included in the current database of the Atlas of distribution of vascular plants in Poland (ATPOL). I also thank all the Persons (Dr. habil. Beata Babczyńska-Sendek, Dr. Wacław Bartoszek, Dr. Leszek Bernacki, Prof. Eugeniusz Dubiel, Mr. Stefan Gawroński, M.Sc., Mr. Janusz Guzik, M.Sc., Prof. Janusz Hereźniak, Prof. Anna Pacyna, Prof. Krzysztof Rostański, Prof. Zbigniew Szeląg, Mr. Marian Szewczyk, M.Sc., Dr. habil. Barbara Tokarska-Guzik, Prof. Krystyna Towpasz, Prof. Helena Trzcńska-Tacik, Dr. Maciej Wayda, Prof. Stanisław Wika, Prof. Adam Zajac, Prof. Maria Zajac, Prof. Bogdan Zemanek) who kindly agreed to make accessible their unpublished data.

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A listing of the vascular flora in the Kraków-Częstochowa Uplands which included basic information on the geographical and historical origin of individual species, their frequency of occurrence, threat, characteristics of occupied habitats

and source literature, was published some years ago as the monograph entitled "Conspectus of the vascular flora of Kraków-Częstochowa Uplands" ("Konspekt flory roślin naczyniowych Wyżyny Krakowsko-Częstochowskiej", Urbisz 2004). Furthermore, in the year 2008 the author published a study entitled "Diversity and distribution of vascular plants as basis for geobotanical regional division of Kraków-Częstochowa Uplands" („Różnorodność i rozmieszczenie roślin naczyniowych jako podstawa regionalizacji geobotanicznej Wyżyny Krakowsko-Częstochowskiej", Urbisz 2008) devoted to detailed analysis of distribution of species in this area. Both these monographs include also sections on the history of botanical research in this region and its physiographic characteristics. Distribution of particular species in the south part of the Kraków-Częstochowa Uplands was presented in work entitled „Flora Cracoviensis secunda" (Zajac M., Zajac A & Zemanek B. [eds.] 2006). Since the above-mentioned publications do not contain distribution maps for all plant species within the whole of this region, the present atlas was prepared as a further step on the way to describe the full floristic diversity of the Kraków-Częstochowa Uplands.

1. STUDY AREA

The Kraków-Częstochowa Uplands (Wyżyna Krakowsko-Częstochowska, also known as Kraków-Częstochowa Jurassic Uplands or Kraków-Częstochowa Jura) is a region located in the southern part of Poland with an area of 2615 km² (Kondracki 1988). Its defining landscape elements are limestone rock outcrops (monadnocks) with diverse shapes as well as numerous caves and castle ruins. The average terrain altitude in this area is ca. 350 m a.s.l. The highest elevation is Góra Zamkowa (Góra Janowskiego) - 515 m a.s.l. – together with the ruins of Ogródzieniec castle located on its summit (this is also the point with the highest elevation in the Polish uplands).

Since the course of boundaries of Kraków-Częstochowa Uplands is described very generally in the defining publication by Kondracki, the present study uses additional criteria to accurately pinpoint the boundaries of the study area in the field: local land relief, especially the course of contour lines and river valleys. The study area thus delimited (Fig. 1) borders to the south on Kraków Gate, to the south-west on Oświęcim Basin, to the west it roughly follows the line Wygiełzów-Chrzanów-Trzebinia-Olkusza and further it runs along the Jurassic cuesta at the eastern ridge of Warta river valley up to Częstochowa. From the north, the boundary of the study area is formed by the river Warta, while further to the west it follows the line Krasice-Zalesice-Lelów-Irządze-Żarnowiec-Wysocice and on along Dłubnia river valley to Kraków.

This macroregion includes 4 described mesoregions (Kondracki 1988): Częstochowa Upland (Wyżyna Częstochowska, 1300 km²), Olkusz Upland (Wyżyna Olkuska, 820 km²), Krzeszowice Ditch (Rów Krzeszowicki, 225 km²) as well as Tenczyn Ridge (Garb Tenczyński, 270 km²).

The Częstochowa Upland forms a broad arc between Olkusz Upland and the Warta river gorge near Częstochowa. It is built of upper Jurassic (Malm) limestone shaped by karst-type denudation processes in the Tertiary, attested to by rocky limestone outcrops similar to monadnocks or mogotes. Towards the east it shares an indistinct border with Miechów Upland, while towards the west it falls sharply to the Lower Warta Depression, forming a characteristic cuesta-type ridge. The landscape of Częstochowa Upland includes i.a. the Smoleń-Niegowonice Ridge with relative elevation of 70-100 m, extending latitudinally between Smoleń and Niegowonice.

The borders of Olkusz Upland (sometimes called the Kraków Upland) are to the north Biała Przemsza and Szreniawa rivers, to the east Dłubnia river valley, to the west a line linking Trzebinia and Olkusz and to the south the Krzeszowice Ditch. This region is longitudinally intersected from the south by numerous canyons and ravines (Dolinki Podkrakowskie – Cracovian Valleys), while in its northern part it is dominated by monadnock outcrops typical for the landscape of Częstochowa Upland. The highest elevation in Kraków Upland is Rock 502 with actual altitude of 513 m a.s.l. The Olkusz Upland includes all of Ojców National Park, located in Prądnik river valley.

The Krzeszowice Ditch is a Tertiary tectonic rift valley (graben) between Trzebinia and Kraków, with the Rudawa river flowing along its bottom and collecting over a dozen smaller watercourses, mainly flowing out of the Cracovian Valleys. It is filled by marine and land sediments from the Miocene, covered by Quaternary sands and clays. This region contains the main communication artery (motorway, railway line) between the Silesian agglomeration and Kraków.

The Tenczyn Ridge is a heavily forested area, strongly interdivided by small valleys, stretching from Chrzanów to Kraków in parallel to Krzeszowice Ditch and falling in consecutive fault lines towards the Oświęcim Basin and Kraków Gate. It is built from rocks of volcanic origin (in the west) and limestone (in the east). Its highest elevation is the hill with Tenczyn castle ruins (415 m a.s.l.).

Soils of the Kraków-Częstochowa Uplands are relatively poor, with ca. 60% consisting of podzols, while brown soils occupy the largest area in the Olkusz Upland. Limestone rock outcrops are accompanied by limestone rendzinas, rich in nutritional components (Musierowicz 1961).

Due to significant permeability of Jurassic limestone, rainwater quickly penetrates to large depths due to numerous crevices in the bedrock, forming karst phenomena. Therefore, the area does not have a developed, dense network

of surface watercourses. The Kraków-Częstochowa Uplands straddles the divide between drainage basins of the Vistula (with its tributaries Biała Przemsza, Czarna Przemsza, Rudawa, Prądnik, Dłubnia and Pilica) and the Oder (with its tributaries Warta and Wiercica). Surface bodies of water occur rarely here, mainly in the outskirts of the study area, and are small in size. Larger concentrations of small natural and artificial lakes may be found in the vicinity of Kroczyce, Żłoty Potok, Trzebinia and Kraków-Mydlniki, while solitary ponds are located near Pilica, Udórz, Wolbrom, Klucze and Zalesice.

The Kraków-Częstochowa Uplands is entirely located within the Częstochowa-Kielce central European climate zone. The average annual temperature here is slightly lower than the national average and equals ca. 7.5°C. The warmest month is July (average temp. ca. 17°C), the coldest one – January (average temp. ca. -3°C). Average annual sum of precipitation is ca. 700 mm, but their amount increases slightly moving from the north towards the south. Duration of the vegetation season in Kraków Upland is 200-210 days yearly, and thus it is shorter by nearly two weeks than in the adjacent regions except those located to the east (Kruczała 2000). Internal differences in microclimate are rather large and especially conspicuous in the Olkusz Upland, in its deep, rocky canyons. It is often for example the case that while it is full springtime in Częstochowa, in Podzamcze (location of Ogrodzieniec castle) there is still lingering frost. A similar situation is often observed for Kraków and Ojców.

2. METHODS

2.1. SOURCES OF FLORISTIC DATA

Floristic studies were carried out in the period 1999-2004 using the cartogram method. Boundaries of the Kraków-Częstochowa Uplands were adopted from Kondracki (1988) and their course is presented in Fig. 1 (see page 11). The studied area was subdivided according to methodological rules of the Atlas of distribution of vascular plants in Poland - ATPOL (Zajac A. 1978) into basic study fields in the shape of squares with 2 km-long sides, with their total number being 660. Own field studies (more than 200 field trips) were carried out in 430 study fields with each of them visited at least twice (in exceptional cases a study field was visited only once – it was then investigated for at least 3-4 hours). During fieldwork, topographical maps in 1:50 000 and 1:25 000 scale were used. Observations were made using floristic lists with records of plant species occurring in each individual study field (square). Each taxon was thus recorded only once from each study field, which adds up to a total of 78 thousand of floristic records. Apart from own records, all available

external floristic data was taken into account including data from literature (over 28 thousand records), herbarium collections (ca. 2 thousand records) and current ATPOL database (over 89 thousand records).

In the case of some records from the literature and herbarium specimens, precise location of the site of occurrence of a species in a specific 2 km by 2 km square was not always possible – often it was only possible to narrow the locality down to 2, 3, 4 or more study fields. In these cases, an arbitrary “most probable” study field was chosen, i.e. the square deemed by the author to contain most habitats suitable for the given species. For this reason, locality descriptions for sites of occurrence in individual study fields given in the present atlas are not always identical to the original descriptions provided by various authors.

Field studies were documented by own herbarium collection (ca. 1600 sheets) deposited in the herbarium of Department of Systematic Botany, Faculty of Biology and Environmental Protection, University of Silesia in Katowice (KTU). For a large part of critical taxa, determinations were verified by specialists: Prof. L. Frey (*Avenula*, *Koeleria*), Prof. Z. Mirek (*Camelina*, *Glyceria*), Prof. A. Pacyna (*Corispermum*), Prof. K. Rostański (*Aster*, *Euphorbia*, *Oenothera*, *Valeriana*, *Valerianella*), Prof. A. Zając (*Cerastium*, *Centaurea*), Prof. J. Zieliński (*Crataegus*, *Populus*, *Rosa*, *Rubus*, *Salix*), Prof. W. Żukowski (*Eleocharis*, *Spergula*), Dr. W. Bartoszek (*Alchemilla*), Dr. L. Bernacki (*Orchidaceae*), Dr. E. Cieślak (*Caltha*, *Veronica hederifolia* s. l.), Prof. J. Mitka (*Aconitum*), Dr. T. Nowak (*Centaurea*), Dr. B. Paszko (*Calamagrostis*), Dr. A. Stengl (*Amaranthus*), Prof. Z. Szeląg (*Hieracium*, *Orobancha*, *Potentilla*, *Thymus*), Dr. M. Wayda (*Epilobium adnatum*, *E. lamyi*), Dr. J. Wójcicki (*Cardamine*), Dr. E. U. Zając (*Bromus*, *Fumaria*), Dr. J. Zalewska-Gałosz (*Potamogeton*), Dr. E. Proszkiewicz (*Euphrasia*) – I hereby extend heartfelt thanks to them.

The listing of cartograms includes all vascular plants (of native or alien origin) that are permanently naturalised in the study area as well as those species for which the permanent character of naturalisation is still dubious. Nomenclature of taxa is adopted from „Vascular plants of Poland – a checklist” (Mirek et al. 2002) with species names listed in alphabetical order.

2.2. EXPLANATION OF USED SYMBOLS AND ABBREVIATIONS

Localities of occurrence of individual species are shown by a dot on the map - ●.

The following symbols were applied before names of species:

* - archeophyte

** - kenophyte

[*] - status of species is dubious

Δ - native species that occurs exclusively on synanthropic sites in the study area

+ - species extinct in the study area

2.3. SPECIES OMITTED IN THE ATLAS

Species probably not naturalised in the study area:

Acer saccharinum L., *Arabis recta* Vill., *Aristolochia clematitis* L., *Aster novae-angliae* L., *Bromus commutatus* Schrad., *Cerasus mahaleb* (L.) Mill., *Chrysanthemum segetum* L., *Cyclamen purpurascens* Mill., *Larix kaempferi* (Lamb.) Carrière, *Lathyrus hirsutus* L., *Linaria repens* (L.) Mill., *Lycopersicon esculentum* Mill., *Mentha x niliaca* (Juss.) ex Jacq., *Muscari comosum* (L.) Mill., *Pinus cembra* L., *Pinus nigra* J. F. Arnold., *Pinus strobus* L., *Populus x berolinensis* (K. Koch) Dippel, *Reseda phyteuma* L., *Rhododendron luteum* Sweet, *Ribes rubrum* L., *Sedum spurium* M. Bieb., *Sorbus aria* (L.) Crantz, *Spiraea chamaedryfolia* L. emend. Jacq., *Telekia speciosa* (Schreb.) Baumg., *Ulex europaeus* L., *Viburnum lantana* L.

Critical or lower rank taxa, which need revision, not always distinguished:

Galium album Mill., *Galium elongatum* C. Presl, *Galium wirtgenii* F. W. Schultz, *Phleum hubbardii* D. Kováts.

Species for which cartographic material is incomplete:

Avena x vilis Wallr., *Cerasus vulgaris* Mill., *Juglans regia* L., *Malus domestica* Borkh., *Populus* 'NE42', *Populus candicans* Aiton, *Populus nigra* L. 'Italica', *Prunus domestica* L. subsp. *domestica*, *Pseudotsuga menziesii* (Mirb.) Franco, *Pyrus communis* L., *Reynoutria x bohemica* Chrtek & Chrtková, *Rhus typhina* L., *Symphoricarpos albus* (L.) S. F. Blake, *Syringa vulgaris* L.

2.4. LIST OF BASAL CARTOGRAM UNITS

DE7541 W of Łuszczyn (Kłobukowice)	DE8412 Hektary, Ossona
DE7542 Łuszczyn	DE8413 W of Gąsczyk
DE7543 Krasice Cygańskie	DE8414 Gąsczyk
DE8400 Częstochowa (Aniołów, Kamień)	DE8422 E of Huta Częstochowa
DE8401 Częstochowa (Komorniki)	DE8423 W of Srocko
DE8402 N of Hektary	DE8424 Brzyszków
DE8403 Siedlec, Grodzisko, "Gąsczyk"	DE8433 Kusięta, Zielona Góra
DE8404 Mstów – W part	DE8434 N of Olsztyn
DE8410 Częstochowa (Złota Góra, Zawodzie)	DE8443 W of Olsztyna
DE8411 S of Mirów	DE8444 Olsztyn

DE8500 Mstów – E part	DE9501 Zrębice Pierwsze
DE8501 N of Zawada	DE9502 Rędziny
DE8502 W of Krasice	DE9503 Skowronów
DE8503 Krasice	DE9504 Piasek
DE8504 E of Krasice	DE9510 „Sokole Góry” reserve – SE part
DE8510 Małusy Małe – N part	DE9511 Zrębice Drugie
DE8511 S of Zawada	DE9512 W of Pabianice
DE8512 W of Mokresz	DE9513 Pabianice
DE8513 Mokresz	DE9514 W of Janów
DE8514 Kuśmierki	DE9520 Biskupice
DE8520 Małusy Małe – S part	DE9521 E of Biskupice
DE8521 Małusy Wielkie	DE9522 Siedlec Janowski – W part
DE8522 Kobyłczyce – W part	DE9523 Siedlec Janowski – E part
DE8523 Kobyłczyce – E part	DE9524 SW of Żłoty Potok
DE8524 Żuraw	DE9530 W of Zaborze
DE8530 W of Turów	DE9531 Zaborze
DE8531 Turów	DE9532 Suliszowice, Szczypie
DE8532 Bukowno, Okupniki	DE9533 S of Siedlec Janowski, Krzyżów
DE8533 Zagórze	DE9534 „Parkowe” reserve
DE8534 Okrąglik	DE9540 Pustkowie Przybynowskie
DE8540 Przemiłowice	DE9541 Przybynów – N part
DE8541 Przemiłowice - Podgrabie	DE9542 S of Suliszowice
DE8542 Bukowno	DE9543 Kolonia Zawada
DE8543 Czepurka	DE9544 Czatachowa
DE8544 E of Czepurka	DE9600 N of Janów
DE8600 Pniaki Mokreskie	DE9601 NE of Janów, Ponik
DE8601 Wola Mokreska, Smyków	DE9602 S of Sieraków
DE8610 E of Kuśmierki	DE9603 SE of Sieraków
DE8611 S of Smyków	DE9604 S of Konstantynów
DE8620 E of Żuraw	DE9610 Janów
DE8621 NE of Lipnik	DE9611 E of Janów
DE8622 „Wielki Las” reserve	DE9612 „Kaliszak” reserve
DE8630 Lipnik	DE9613 NW of Bystrzanowice
DE8631 N of Julianka	DE9614 Teodorów
DE8632 Zalesice	DE9620 S of Żłoty Potok
DE8640 Śmiertny Dół	DE9621 SE of Żłoty Potok
DE8641 Julianka	DE9622 Hucisko
DE8642 Sieraków, Sygontka	DE9623 Bystrzanowice
DE8643 S of Staropole	DE9624 Lgoczanka
DE9403 Skrajnica	DE9630 Ludwinów
DE9404 S of Olsztyn	DE9631 Gorzków Nowy
DE9414 NW of Biskupice	DE9632 Gorzków Stary, “Bukowa Kłopa” reserve
DE9423 Dłbowiec	DE9633 Bystrzanowice Dwór
DE9424 W of Biskupice	DE9634 S of Lgoczanka
DE9433 Choroń	DE9640 Trzebnów
DE9434 Wojnówka Chorońska	DE9641 W of Postaszowice
DE9500 S of Przemiłowice	

DE9642 E of Postaszowice	DF0702 Wilgoszcza – W part
DE9643 Mzurów	DF0703 Wilgoszcza – E part (Wygiełzów)
DE9644 Zagaje	DF0710 W of Zagórze
DE9710 E of Teodorów	DF0711 Zagórze
DE9720 Podlelowie	DF0712 Woźniki, Sadowie
DE9730 Lgota Błotna	DF0713 W of Irządze
DE9731 W of Lelów	DF0714 Irządze
DE9732 Lelów	DF0720 Dzibice
DE9740 Lgota Gawronna	DF0721 Bodziejowice
DE9741 Stara Wieś	DF0722 N of Biała Błotna
DE9742 Turzyn	DF0723 Wilków
DF0501 Przybynów – S part	DF0724 Kolonia Góry
DF0502 S of Jarosów	DF0730 Kostkowice
DF0503 Przewodziszwice	DF0731 E of Kostkowice
DF0504 S of Kolonia Trzemieszów	DF0732 S of Biała Błotna
DF0512 Żarki – W part	DF0733 NE of Pradła
DF0513 Żarki – E part	DF0734 Krztyńnia, ponds
DF0514 E of Żarki	DF0740 N of Kroczyce, Marianka
DF0523 SE of Żarki	DF0741 Siemierzyce
DF0524 Jaworznik	DF0742 Pradła – W part
DF0600 W of Moczydło	DF0743 Pradła – E part
DF0601 Moczydło	DF0744 E of Pradła
DF0602 Niegowa	DF0830 S of Zawada forester's lodge
DF0603 Tomiszowice – W part	DF0840 W of Ołudza
DF0604 Tomiszowice – E part	DF0841 Ołudza
DF0610 W of Łutowiec	DF1514 Skalka, Kopaniny
DF0611 N of Mirów	DF1524 W of Rudniki
DF0612 Ogorzelnik – W part	DF1600 W of Włodowice
DF0613 Ogorzelnik – E part	DF1601 E of Włodowice
DF0614 Bliżyc	DF1602 Kolonia Zagórze
DF0620 E of Jaworznik	DF1603 Podlesice, Skały Morskie
DF0621 Mirów	DF1604 W of Kroczyce
DF0622 Bobolice	DF1610 N of Rudniki
DF0623 Zdów	DF1611 Parkoszowice
DF0624 Dobrogoszyce	DF1612 Morsko
DF0630 Kotowice – W part	DF1613 Piaseczno
DF0631 Kotowice – E part	DF1614 between Piaseczno and Lgota Murowana
DF0632 Hucisko, Jłderki	DF1620 Rudniki
DF0633 S of Zdów	DF1621 Pomorzyce
DF0634 Młyny	DF1622 Skarżyc – W part
DF0640 Góra Włodowska	DF1623 Skarżyc – E part
DF0641 Rządówickie Gaje	DF1624 Żerkowice
DF0642 Rządowice, Skały Rządowickie	DF1631 Łośnice
DF0643 "Góra Zborów" reserve, Góra Kołoczek	DF1632 Kromolów
DF0644 NW of Kroczyce, Skały Kroczyckie	DF1633 between Kromolów and Żerkowice
DF0700 Brzozowa Góra, Poprzecze	DF1634 N of Karlin
DF0701 Podłęża - Bukowiec, Sokolniki	

DF1642 S of Kromolów	DF2614 Podzamcze
DF1643 N of Bzów	DF2623 S of Ogrodzieniec
DF1644 Karlin	DF2624 S of Podzamcze
DF1700 Kroczyce	DF2630 S of Rokitno Szlacheckie
DF1701 W of Zarzecze	DF2631 N of Grabowa
DF1702 Huta Szklana	DF2632 "Góra Chełm" reserve, Hutki
DF1703 Siedliszowice	Kanki
DF1704 E of Górna Wieś	DF2633 N of Rodaki
DF1710 Lgota Murowana	DF2634 W of Żelazko, Śrubarnia
DF1711 Przyłubsko	DF2640 between Grabowa and
DF1712 N of Sierbowice	Niegowonice
DF1713 N of Szyce	DF2641 Grabowa
DF1714 W of Solca	DF2642 E of Grabowa
DF1720 W of Siamoszyce	DF2643 Rodaki – W part
DF1721 S of Przyłubsko	DF2644 Rodaki – E part
DF1722 Szypowice, Sierbowice	DF2700 Morusy
DF1723 Szyce – W part	DF2701 Kocikowa, Kolonia Giebło
DF1724 W of Siadczą	DF2702 W of Pilica, Owczarnia
DF1730 Kielkowice Stare	DF2703 Pilica
DF1731 Mokrus	DF2704 Sławniów
DF1732 S of Szypowice	DF2710 E of Podzamcze
DF1733 Dzwonowice – N part	DF2711 Wola Kocikowa
DF1734 Kidów	DF2712 SW of Pilica
DF1740 Kielkowice	DF2713 S of Pilica
DF1741 Giebło	DF2714 N of Smoleń
DF1742 Gulzów	DF2720 W of Ryczów
DF1743 N of Pilica	DF2721 Ryczów
DF1744 N of Sławniów	DF2722 E of Ryczów
DF1800 W of Jasieniec	DF2723 Złożeniec - Wiesławów
DF1801 E of Jasieniec	DF2724 Smoleń i Strzegowa
DF1810 Solca	DF2730 Żelazko
DF1811 E of Solca	DF2731 S of Ryczów
DF1812 Ostra Górka	DF2732 N of Krzywopłoty
DF1820 Siadczą	DF2733 Czarny Las
DF1821 Dobraków Średni	DF2734 S of Strzegowa, Piaski
DF1822 Dobraków, Podleśna	DF2740 Ryczówek
DF1830 E of Kidów	DF2741 Kwaśniów Górny
DF1831 Przychody, Kolonia Podręczinna	DF2742 Krzywopłoty, Zawadka
DF1832 Podoły	DF2743 Domaniewice
DF1840 Wierbka	DF2744 Nowa Wieś
DF1841 Maleszyna	DF2800 between Kleszczowa and Sławniów
DF1842 Wierzba	DF2801 Kleszczowa
DF2544 Lipowa Górka	DF2802 Udórz – W part
DF2602 NW of Ogrodzieniec	DF2803 Udórz – E part
DF2603 Bzów	DF2804 N of Chłina
DF2604 N of Podzamcze, Góra Birów	DF2810 Cisowa
DF2613 Ogrodzieniec	DF2811 S of Kleszczowa

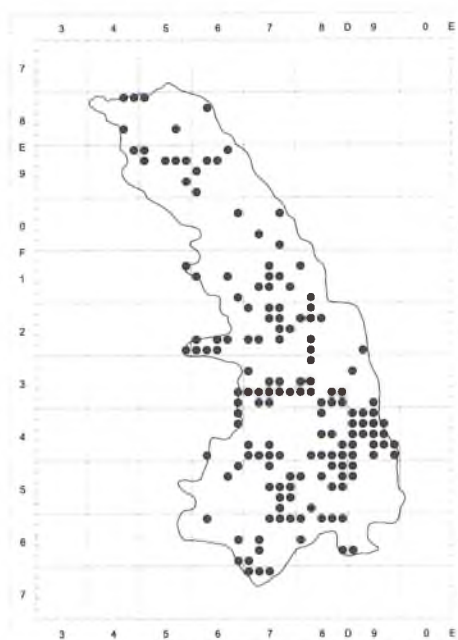
DF2812 SW of Udórz	DF3723 W of Chrząstowice
DF2813 SE of Udórz	DF3724 Chrząstowice railway station
DF2814 Chlina	DF3730 Bogucin Duży
DF2820 Kąpielki	DF3731 S of Jaroszewiec
DF2821 Kąpiele Wielkie – E part	DF3732 Podlesie
DF2822 Poręba Dzierżna – W part	DF3733 Kolonia Braciejówka
DF2823 Poręba Dzierżna – E part	DF3734 “Michałowiec” reserve
DF2824 Grabowiec	DF3740 Bogucin Mały
DF2830 Domiarki, Sarnie Doły	DF3741 Rabsztyń
DF2831 Kolonia Kąpieliska	DF3742 Troks
DF2832 Łobzów	DF3743 Braciejówka
DF2833 Boża Wola	DF3744 Michałówka
DF2834 Jeżówka	DF3800 Kaliś, Skalka
DF2840 Dłużec	DF3801 Kolonia Piaski
DF2841 Nowa Łąka, Zabagnie	DF3802 Wolbrom
DF2842 Wolbrom (Wymysłów, Kozina)	DF3803 Brzozówka
DF2843 S of Boża Wola	DF3804 E of Wierzchowisko
DF2844 S of Jeżówka	DF3810 Gołaczewy
DF2900 Zamiechówka – E part	DF3811 Chełm
DF2910 Podlesie, Kolonia Jelcza	DF3812 Kamienna Góra, Szwajcary
DF2911 Jelcza	DF3813 Poręba Górna
DF2920 N of Wierzbie	DF3814 N of Budzyń
DF2921 Tczyca	DF3820 S of Gołaczewy
DF2930 Swojczany, Susznia	DF3821 Sucha Górka, Pochybie
DF2931 Swojczany	DF3822 Sucha - Parcele
DF2940 Wygoda	DF3823 Porąbka
DF2941 Podlesice, Psiarków	DF3824 Budzyń
DF3602 Skałbania	DF3830 Cieplice, Pod Michałówką
DF3603 N of Chechło	DF3831 N of Jangrot
DF3604 Rzeką	DF3832 N of Trzyciąż
DF3614 Pustkowie, Buczna Góra	DF3833 S of Porąbka
DF3624 Klucze – W part	DF3834 Głanów
DF3634 W of Bogucin Duży	DF3840 E of Michałówka
DF3644 Pomorzany	DF3841 Jangrot
DF3700 Kwaśniów Dolny, Ostra Górka	DF3842 Trzyciąż
DF3701 W of Cieślin	DF3843 E of Trzyciąż
DF3702 Cieślin	DF3844 S of Głanów
DF3703 Bydlin	DF3900 Wierzchowisko
DF3704 N of Zarzecze	DF3901 Adamowice
DF3710 W of Golczowice	DF3910 Trzebienie
DF3711 Golczowice	DF3911 Kamienica
DF3712 E of Golczowice, Łęg Kolbarski	DF3912 Cieplice
DF3713 SE of Kolbark	DF3920 Buk
DF3714 Zarzecze, Kamionki	DF3921 Chobędza
DF3720 E of Klucze	DF3922 Gołcz, Wielkanoc
DF3721 Jaroszewiec	DF3930 Zawadka
DF3722 Jaroszewiec railway station, Pazurek	DF3931 Ułina Wielka

DF3932	Ulina Mała	DF4812	E of Sułoszowa Druga
DF3940	Imbramowice	DF4813	Wielmoża
DF3941	Małyszycy	DF4814	between Stara Wieś and Tarnawa
DF3942	Łębigorzyce	DF4820	N of Przeginia
DF4604	Stary Olkusz (Parcze Dolne)	DF4821	W of Sułoszowa Pierwsza
DF4614	Olkusz (Czarna Góra)	DF4822	Sułoszowa Pierwsza, Pieskowa Skała
DF4624	Żurada	DF4823	S of Wielmoża
DF4631	Podlesie	DF4824	Kolonia Kamieniec, Zaścieże
DF4632	E of Podlesie	DF4830	Przeginia – E part
DF4633	SW of Żurada	DF4831	Gotkowice
DF4634	S of Żurada	DF4832	Skotnica
DF4641	S of Podlesie	DF4833	Wola Kalinowska
DF4642	E of Czyżówka	DF4834	W of Skała, Grodzisko
DF4643	N of Płoki	DF4840	E of Czubrowice
DF4644	Niesułowice	DF4841	Jerzmanowice
DF4700	Olkusz (Sikorka)	DF4842	Lepianka Słupska
DF4701	N of Olewin	DF4843	Dolina Słupska
DF4702	S of Troks	DF4844	Ojców
DF4703	S of Braciejówka	DF4900	NE of Tarnawa
DF4704	N of Sułoszowa Trzecia	DF4901	Ściborzanka
DF4710	Olkusz railway station	DF4902	Wysocice
DF4711	Sieniczno	DF4910	Tarnawa – E part
DF4712	Wiśliczka	DF4911	Barbarka
DF4713	Kosmołów	DF4912	Gołyszyn
DF4714	S of Sułoszowa Trzecia	DF4913	E of Gołyszyn (Grzegorzowice)
DF4720	Witeradów	DF4920	N of Skała
DF4721	E of Witeradów	DF4921	Minoga – W part
DF4722	Zimnodół – E part	DF4922	Minoga – E part
DF4723	Zederman	DF4923	Zagaje
DF4724	E of Zederman	DF4930	Skała
DF4730	S of Witeradów	DF4931	E of Skała, Nowa Wieś
DF4731	Osiek	DF4932	Przybysławice, Zamłynie
DF4732	W of Zawada	DF4933	E of Przybysławice, Sułkowice
DF4733	E of Zawada	DF4934	Iwanowice Włosciańskie
DF4734	Przeginia – W part	DF4940	S of Skała
DF4740	E of Niesułowice	DF4941	W of Rzeplin
DF4741	Gorenice – W part	DF4942	Rzeplin
DF4742	Gorenice – E part	DF4943	Krasieniec
DF4743	Kolonia Polesie	DF4944	E of Krasieniec (Iwanowice)
DF4744	Czubrowice	DF5524	Balin Duży, Piasiki Małe
DF4800	NE of Sułoszowa Trzecia	DF5601	S of “Siersza” power station
DF4801	between Jangrot and Sułoszowa Druga	DF5602	N of Myślachowice
DF4802	W of Zadroże	DF5603	Płoki
DF4803	Zadroże	DF5604	S of Lgota
DF4804	E of Zadroże	DF5610	S of Siersza
DF4810	between Sułoszowa Druga and Trzecia	DF5611	Trzebinia (Krze)
DF4811	Sułoszowa Druga		

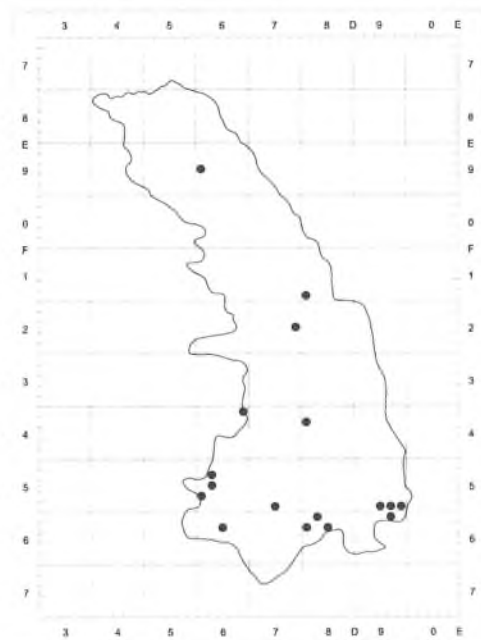
DF5612 Myślachowice	DF5804 S of Ojców, Prądnik Ojcowski
DF5613 "Ostra Góra" reserve	DF5810 Szklary
DF5614 NE of Psary	DF5811 N of Będkowice
DF5620 Trzebinia (Wodna)	DF5812 NE of Będkowice
DF5621 Trzebinia railway station (Trzbionka)	DF5813 S of Bębło
DF5622 N of Młoszowa	DF5814 N of Biały Kościół
DF5623 Karniowice	DF5820 N of Radwanowice
DF5624 E of Karniowice	DF5821 Dolina Będkowska – S part
DF5630 E of Chrzanów	DF5822 Dolina Kobylańska
DF5631 N of Piła Kościelecka	DF5823 Żelków
DF5632 Młoszowa, Piaski	DF5824 "Dolina Kluczwydy" reserve
DF5633 Dulowa	DF5830 Radwanowice
DF5634 E of Dulowa	DF5831 Brzezinka
DF5640 Kopanina	DF5832 Więckowice
DF5641 Piła Kościelecka	DF5833 Bolechowice
DF5642 Zaniwie	DF5834 Ujazd
DF5643 S of Dulowa	DF5840 Rudawa
DF5644 Gajówka "Za Białką"	DF5841 Niegoszowice
DF5700 Ostródnica	DF5842 S of Więckowice
DF5701 E of Ostródnica	DF5843 Zabierzów – N part
DF5702 S of Gorenice - Nawsie	DF5844 Brzezine
DF5703 W of Raclawice	DF5900 Smardzowice
DF5704 Raclawice	DF5901 E of Smardzowice (Cianowice)
DF5710 S of Łany	DF5902 E of Szczodrkowice
DF5711 Nowa Góra	DF5903 Damice
DF5712 Czerna – N part	DF5904 Maszków
DF5713 Paczółtowice	DF5910 Maszyce
DF5714 Żary	DF5911 E of Maszyce
DF5720 Filipowice – N part	DF5912 Owczary
DF5721 Miękinia	DF5913 S of Narama
DF5722 Czerna – S part	DF5914 S of Wilczkowice
DF5723 W of Dębnik	DF5920 Wielka Wieś
DF5724 Dubie, "Dolina Raclawki" reserve	DF5921 Korzkiew
DF5730 Filipowice – S part	DF5922 Przybysławice, Garliczka
DF5731 W of Krzeszowice	DF5923 Wola Zachariaszewska
DF5732 Krzeszowice – N part	DF5924 W of Michałowice
DF5733 Żbik	DF5930 Szyce, Wygwizdów
DF5734 Siedlec	DF5931 Giebułtów
DF5740 Wola Filipowska (Pasternik)	DF5932 Trojanowice
DF5741 W of Tenczynek	DF5933 E of Garlica
DF5742 S of Krzeszowice	DF5934 W of Młodziejowice
DF5743 NW of Nawojowa Góra	DF5940 Modlnica, Modlniczka
DF5744 Młynka	DF5941 E of Modlniczka
DF5800 „Dolina Szklarki” reserve	DF5942 Zielonki
DF5801 N of Łazy	DF5943 E of Zielonki
DF5802 E of Łazy	DF5944 Węgrzyce
DF5803 Czajowice	DF6504 N of Zagórze

DF6514 Zagórze	DF6741 SE of Brodła
DF6524 "Bukowica" reserve	DF6742 W of Zagórze
DF6600 Pogorzyce, Żrebce	DF6743 E of Zagórze
DF6601 N of Płaza	DF6744 S of Czulówek
DF6602 Bołęcin	DF6800 Nielepice
DF6603 N of Regulice Górne	DF6801 Kleszczów
DF6604 N of Nieporaz	DF6802 N of Burów
DF6610 S of Pogorzyce, Starzyny	DF6803 Zabierzów – S part
DF6611 Płaza – S part	DF6804 between Zabierzów and Rząska
DF6612 Siemota	DF6810 Brzoskwinia
DF6613 W of Regulice Górne	DF6811 W of Aleksandrowice
DF6614 E of Regulice Górne	DF6812 Aleksandrowice
DF6620 Babice – W part	DF6813 Balice
DF6621 Babice – E part	DF6814 SE of Szczyglice
DF6622 Kwaczała – N part	DF6820 „Dolina Mnikowska” reserve
DF6623 Regulice, Sikorówka	DF6821 SW of Morawica
DF6624 Alwernia – N part	DF6824 Olszanica
DF6633 Alwernia, Chemical Company	DF6830 S of Mników
DF6634 S of Alwernia	DF6834 N of Bielany
DF6644 Okleśna	DF6900 NE of Rząska, Pasternik
DF6700 Rudno	DF6901 Bronowice Wielkie
DF6701 E of Rudno	DF6902 Tonie
DF6702 SE of Tenczynek	DF6903 N of Prądnik Biały, Witkowice
DF6703 SW of Nawojowa Góra	DF6904 S of Węgrzyce
DF6704 W of Nielepice	DF6910 Mydlniki
DF6710 Grojec	DF6911 Bronowice Małe
DF6711 between Grojec and Zalas	DF6920 Wola Justowska – W part
DF6712 Zalas	DF6921 Wola Justowska – E part
DF6713 Frywałd	DF6930 Las Wolski
DF6714 Baczyn	DF6931 Przegorzały
DF6720 N of Poręba Żegoty	DF6932 Zwierzyniec
DF6721 SW of Sanka	DF7604 Podłęże
DF6722 W of Sanka	DF7700 W of Kamień
DF6723 E of Sanka	DF7701 E of Kamień
DF6724 „Zimny Dół” reserve	DF7702 NE of Rusocice
DF6730 Poręba Żegoty	DF7703 S of Przeginia Duchowna
DF6731 E of Poręba Żegoty	DF7710 SW of Rusocice
DF6732 W of Rybna	DF7711 Rusocice
DF6733 Rybna	DF7712 SE of Rusocice
DF6734 N of Czulówek	EF5030 Młodziejowice
DF6740 Mirów	

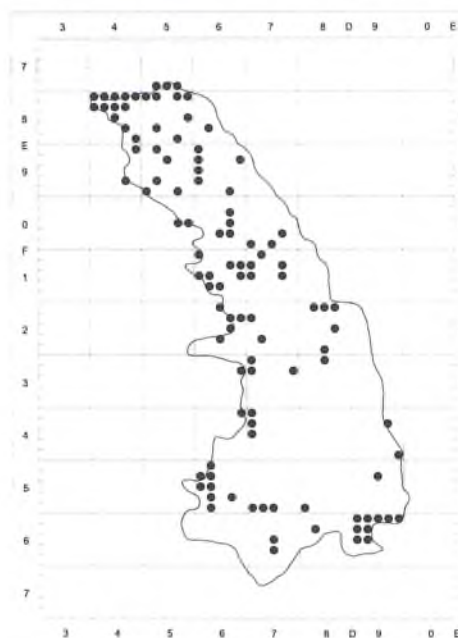
3. MAPY ROZMIESZCZENIA GATUNKÓW (DISTRIBUTION MAPS OF SPECIES)



1. *Abies alba* Mill.



2. *Acer campestre* L.



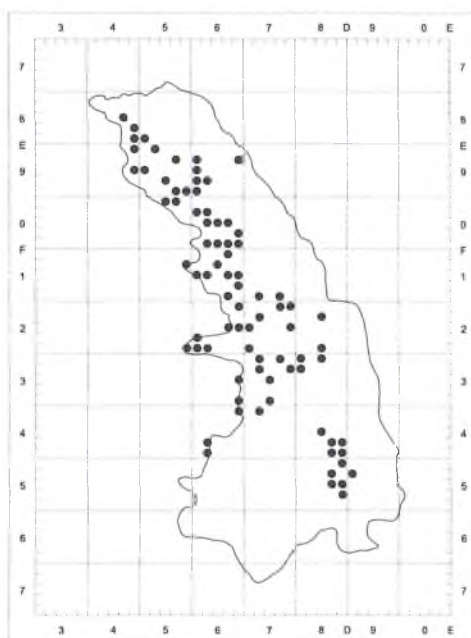
3. ** *Acer negundo* L.



4. *Acer platanoides* L.



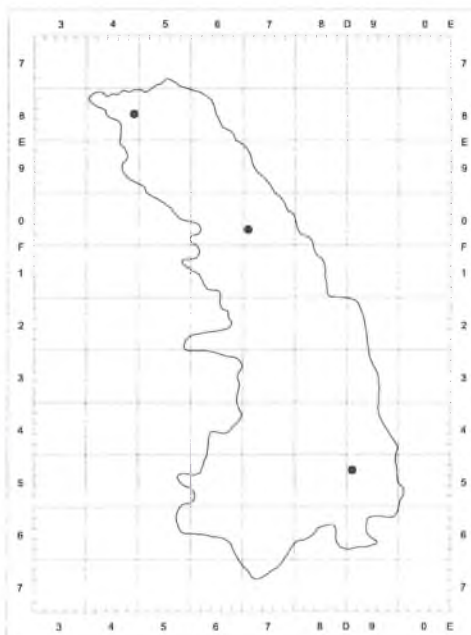
5. *Acer pseudoplatanus* L.



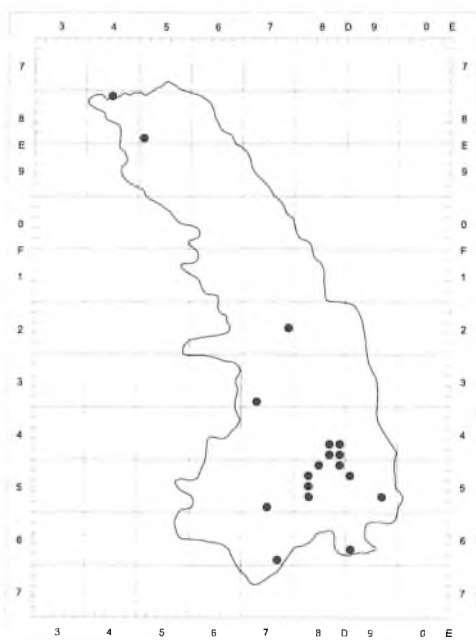
6. *Achillea collina* BECK.



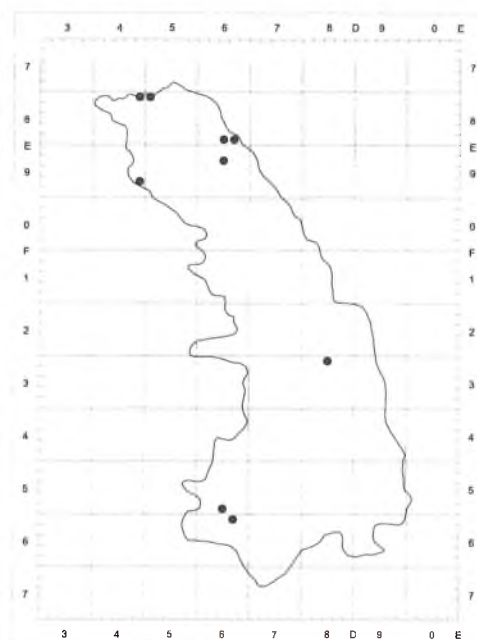
7. *Achillea millefolium* L.



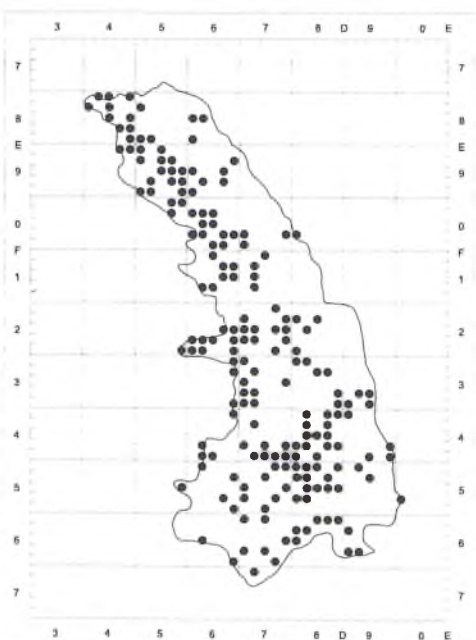
8. [*] *Achillea nobilis* L.



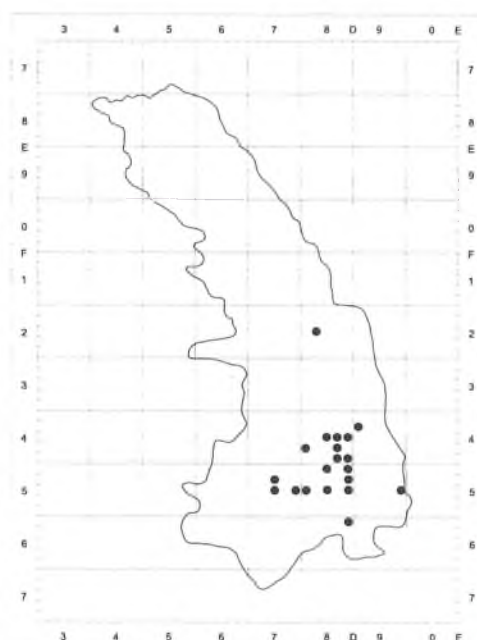
9. *Achillea pannonica* Scheele



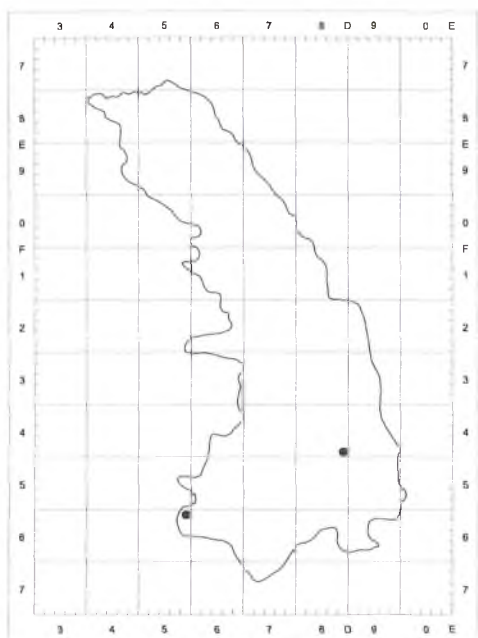
10. *Achillea ptarmica* L.



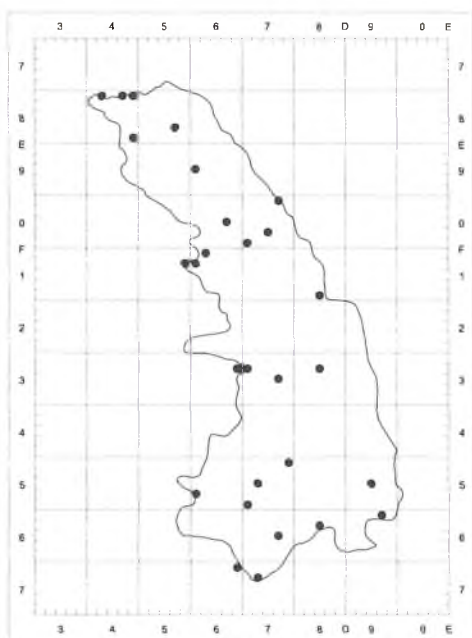
11. *Acinos arvensis* (Lam.) Dandy



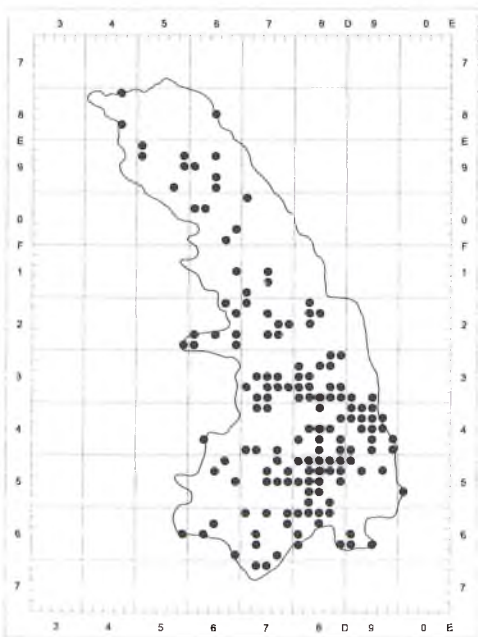
12. *Aconitum moldavicum* Hacq.



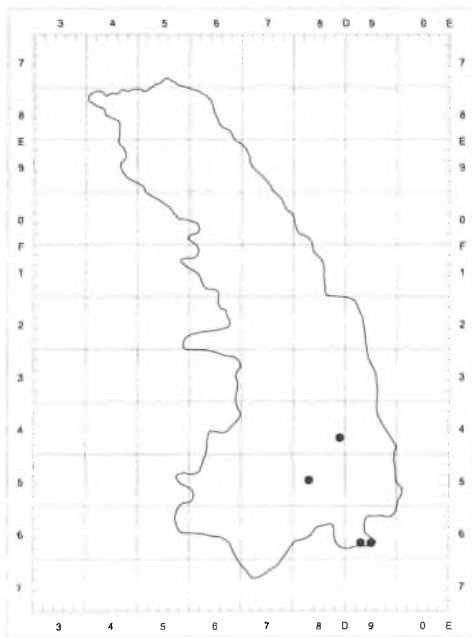
13. *Aconitum variegatum* L.



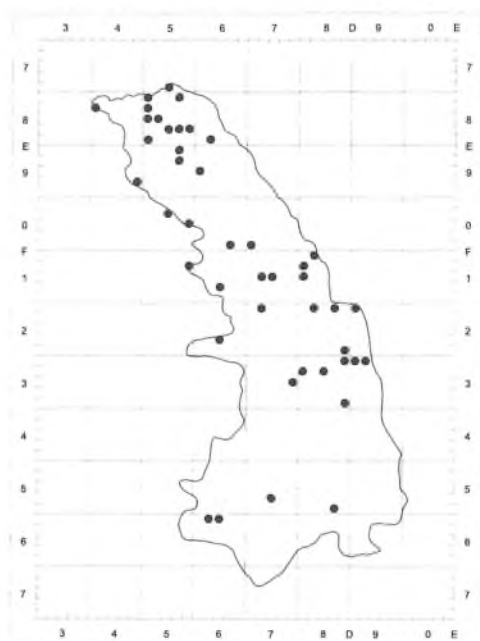
14. ** *Acorus calamus* L.



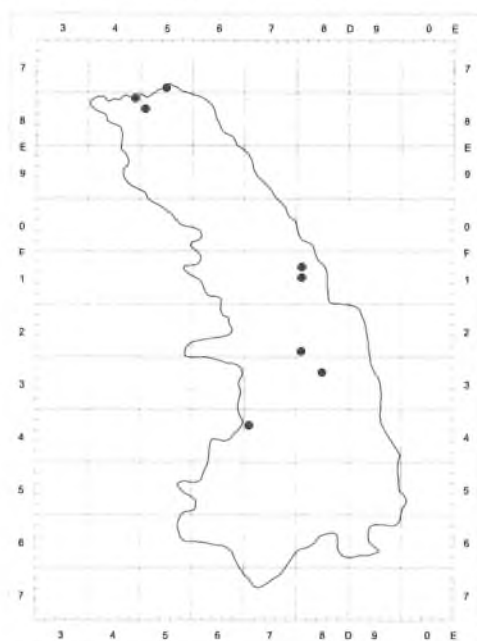
15. *Actaea spicata* L.



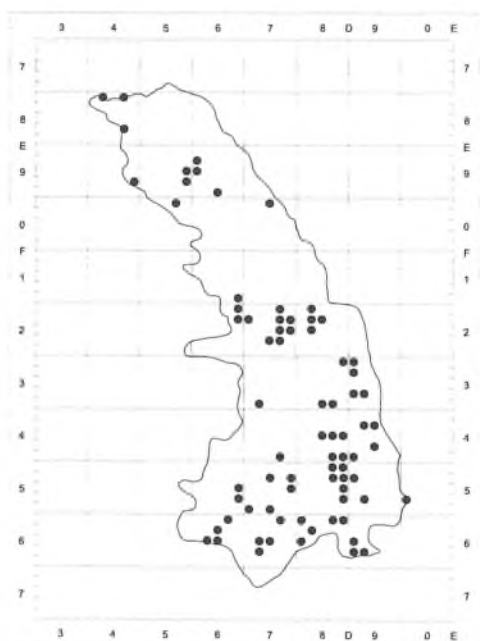
16. *Adenophora liliifolia* (L.) Besser



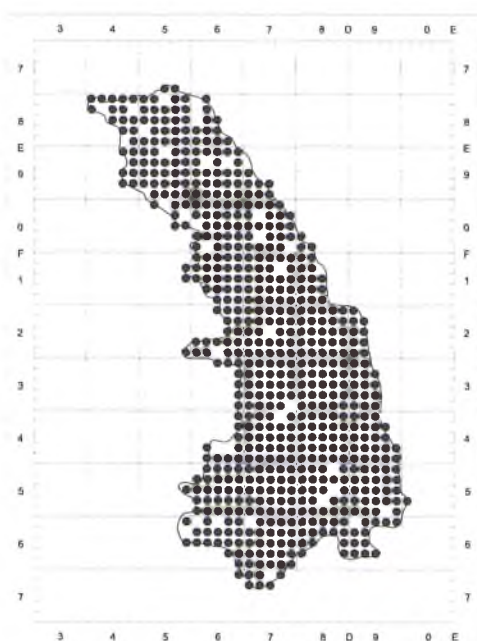
17. * *Adonis aestivalis* L.



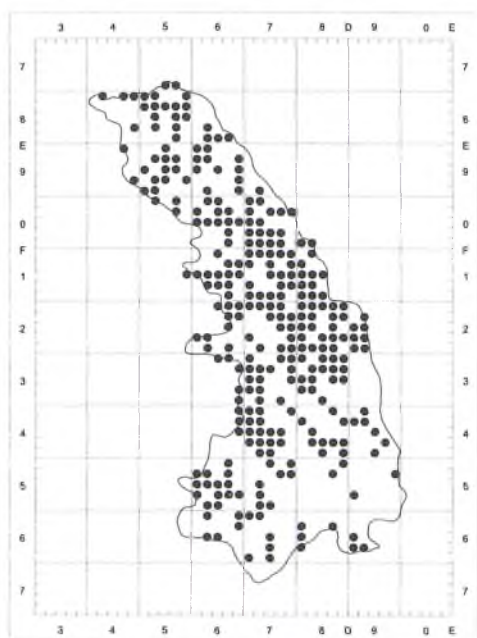
18. * *Adonis flammea* Jacq.



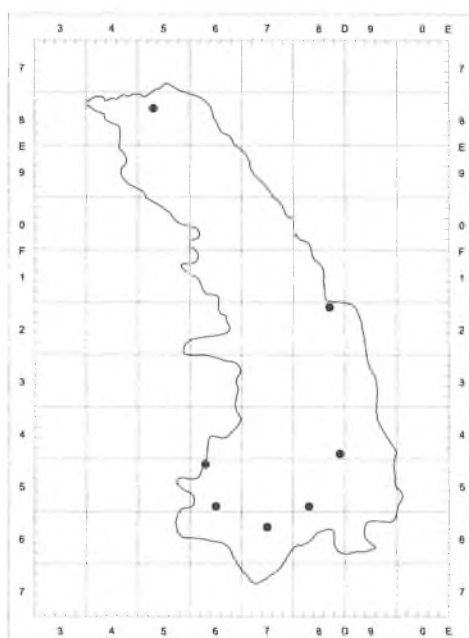
19. *Adoxa moschatellina* L.



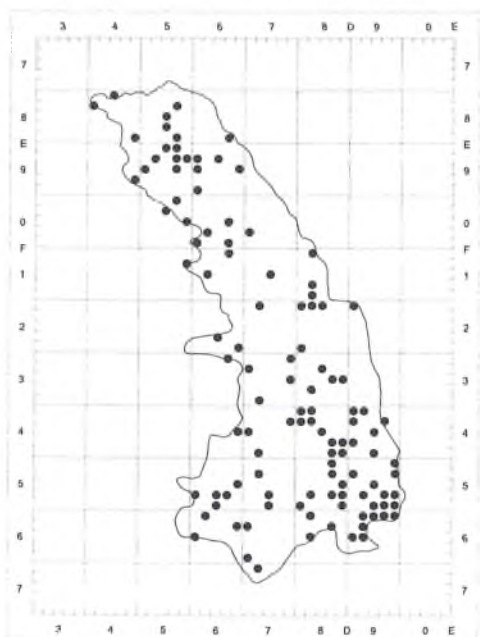
20. *Aegopodium podagraria* L.



21. ** *Aesculus hippocastanum* L.



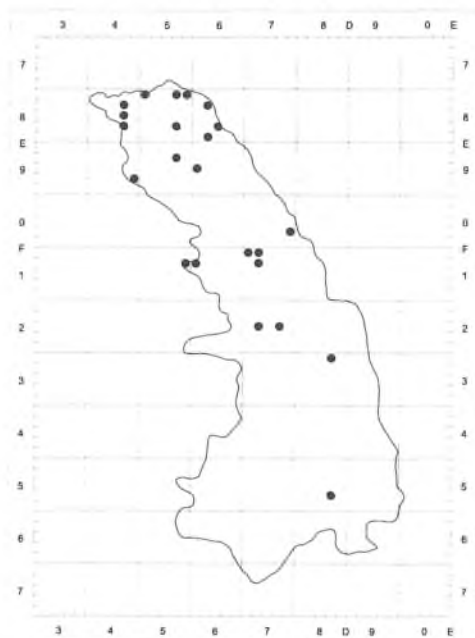
22. *Aethusa cynapioides* M. Bieb.



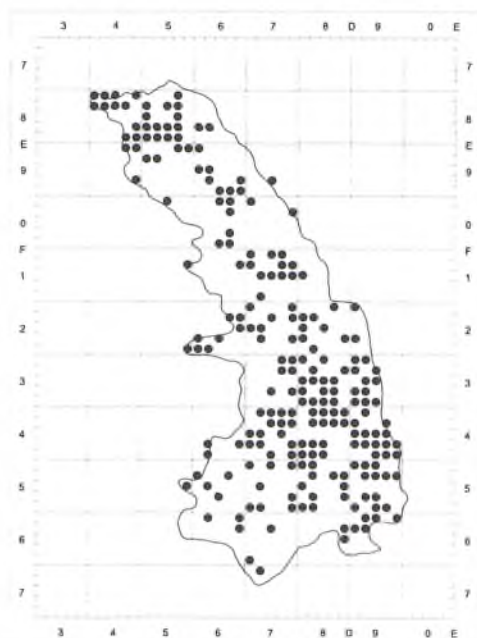
23. *Aethusa cynapium* L.



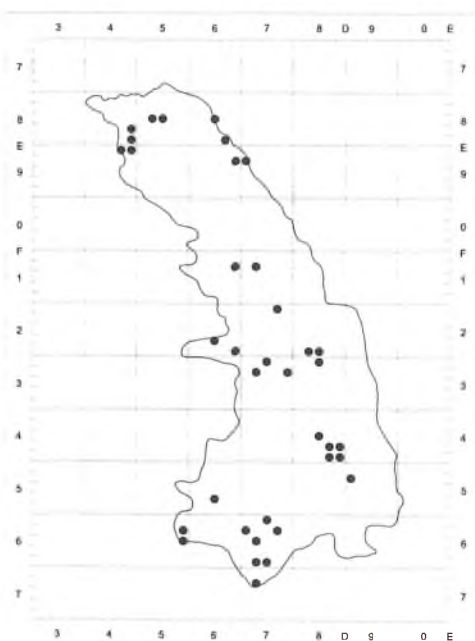
24. *Agrimonia eupatoria* L.



25. *Agrimonia procera* Wallr.



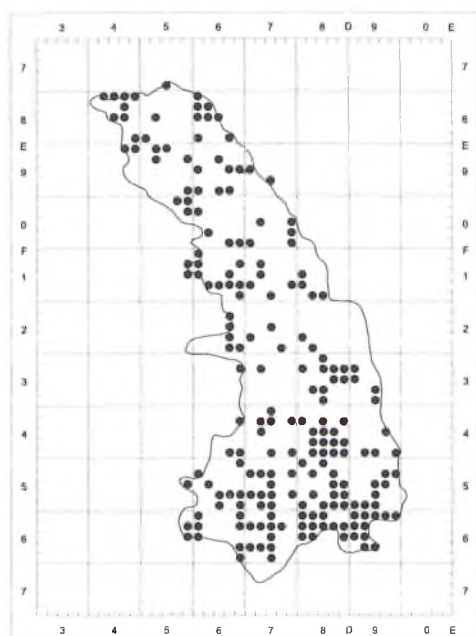
26. * *Agrostemma githago* L.



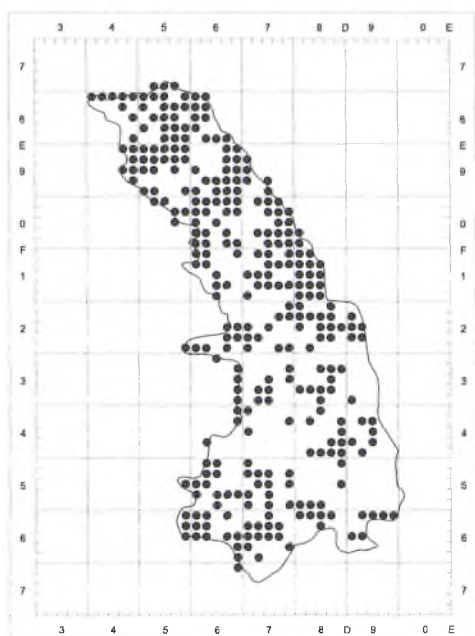
27. *Agrostis canina* L.



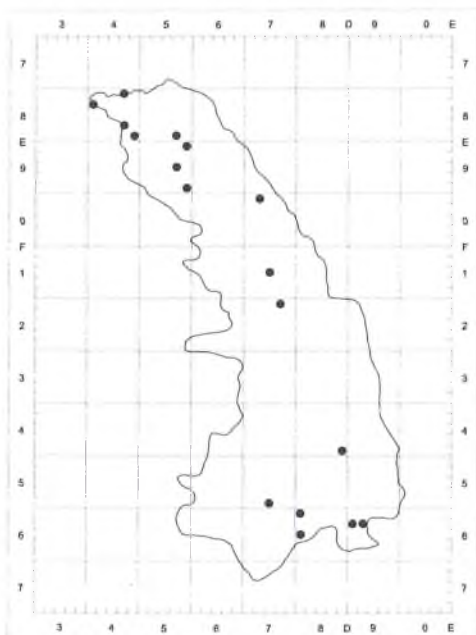
28. *Agrostis capillaris* L.



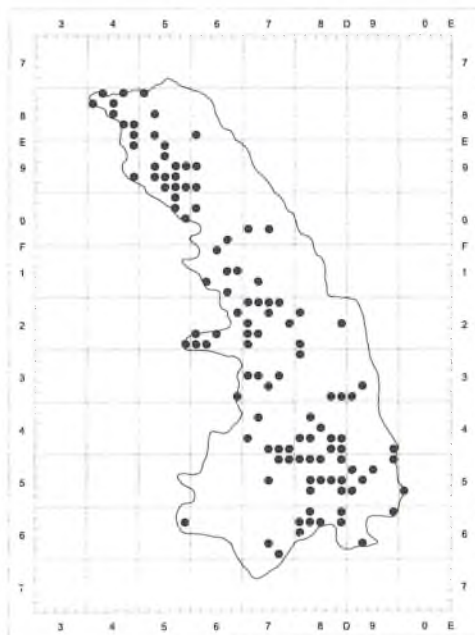
29. *Agrostis gigantea* Roth



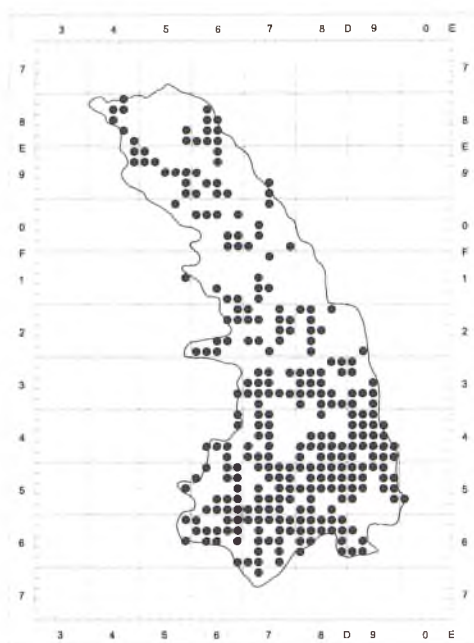
30. *Agrostis stolonifera* L.



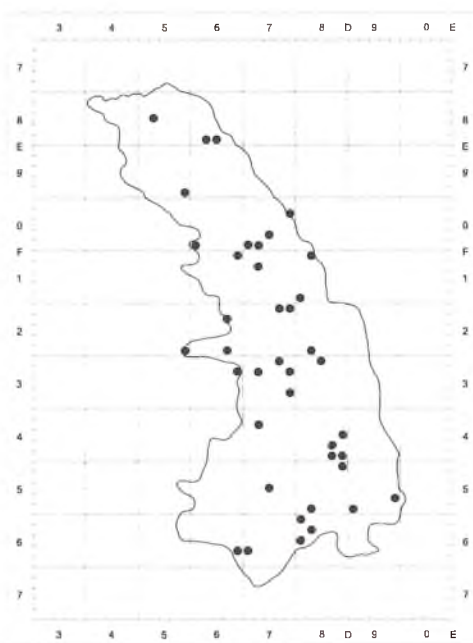
31. *Aira caryophylla* L.



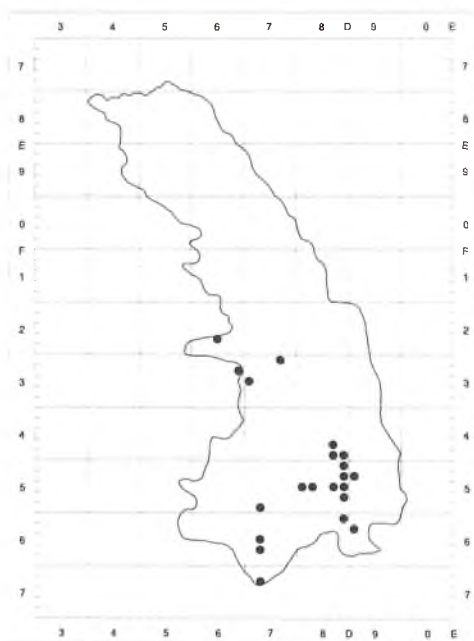
32. *Ajuga genevensis* L.



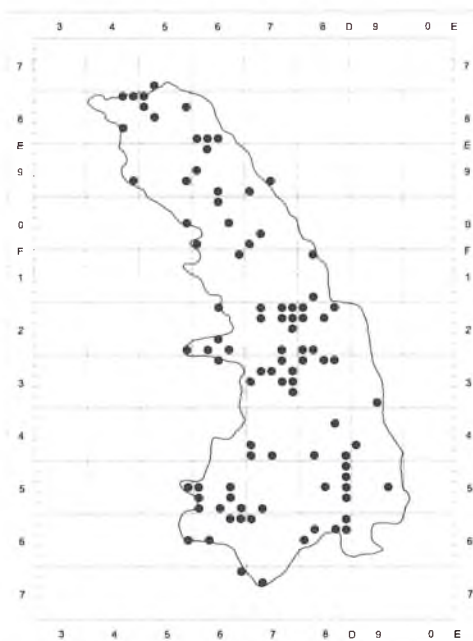
33. *Ajuga reptans* L.



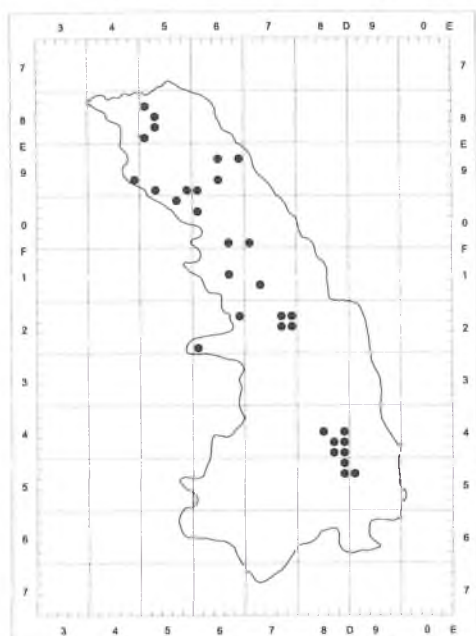
34. *Alchemilla acutiloba* Opiz



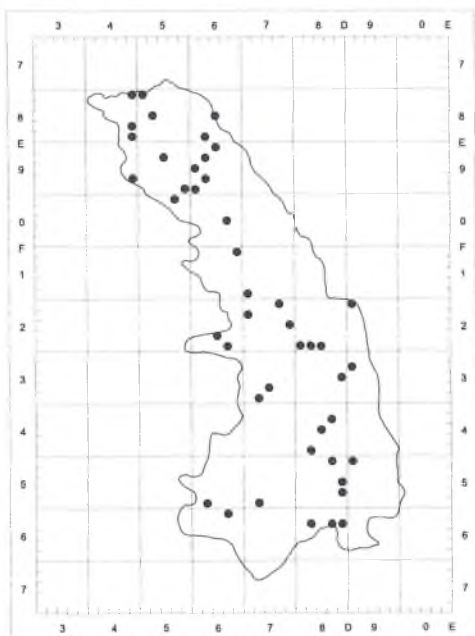
35. *Alchemilla crinita* Buser



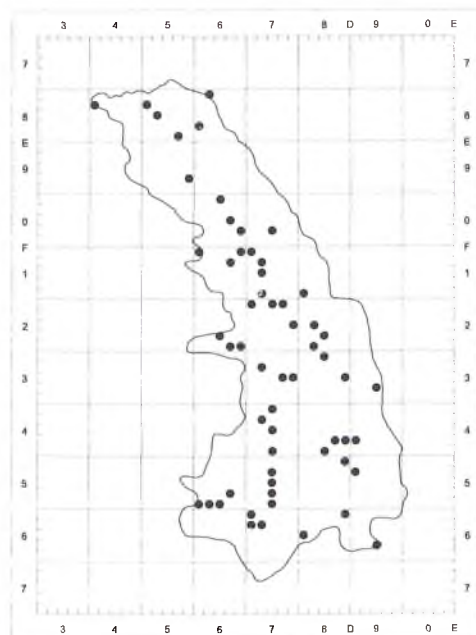
36. *Alchemilla glabra* Neyenf.



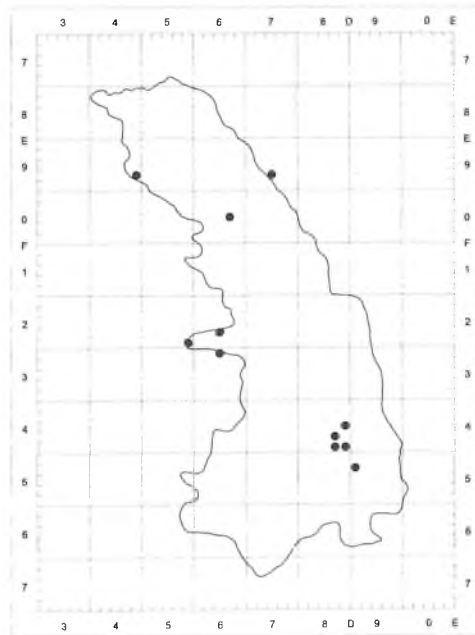
37. *Alchemilla glaucescens* Wallr.



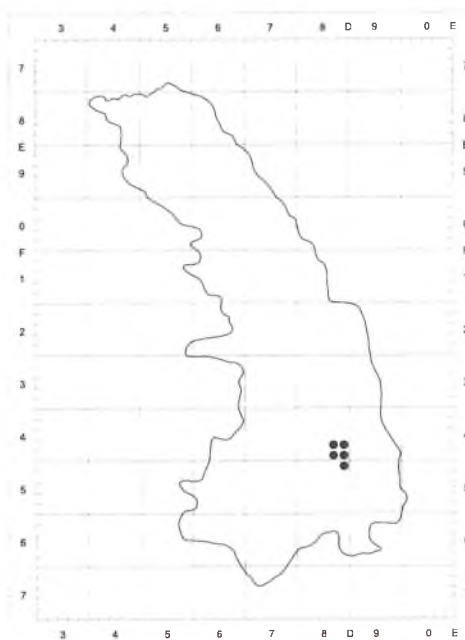
38. *Alchemilla gracilis* Opiz



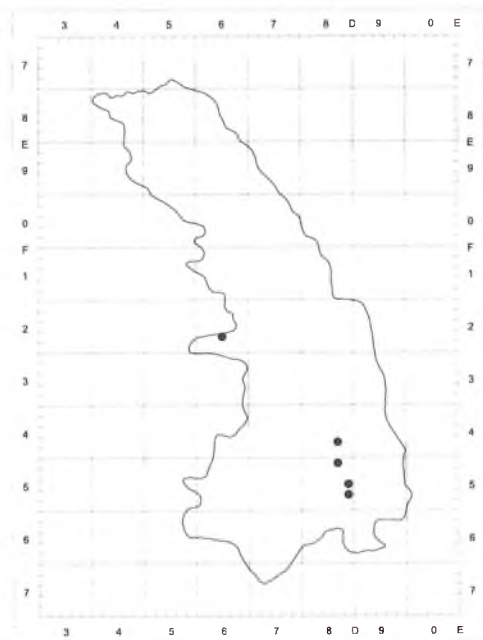
39. *Alchemilla monticola* Opiz



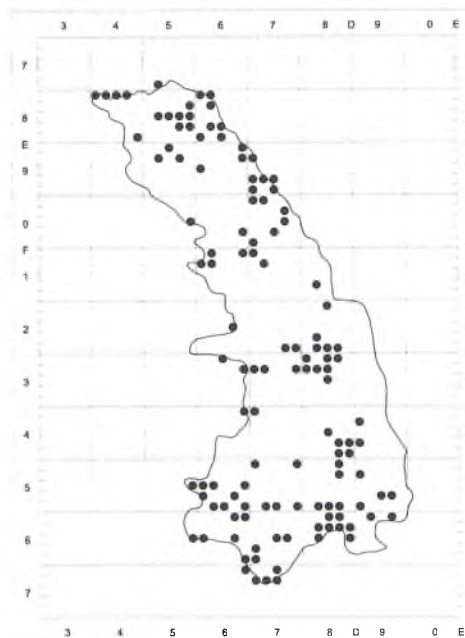
40. *Alchemilla subcrenata* Buser



41. *Alchemilla walasii* Pawł.



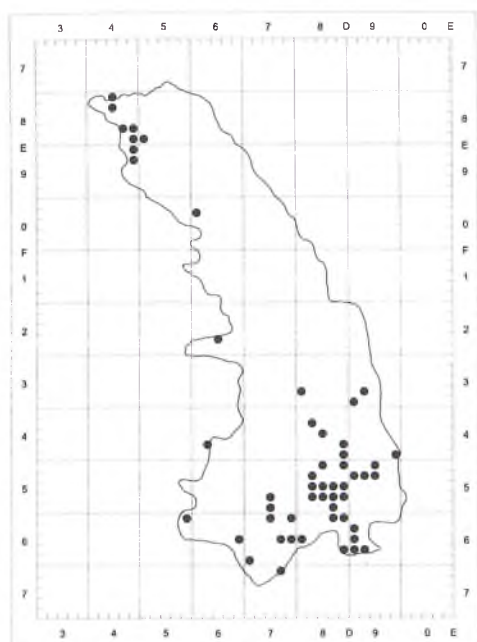
42. *Alchemilla xanthochlora* Rothm.



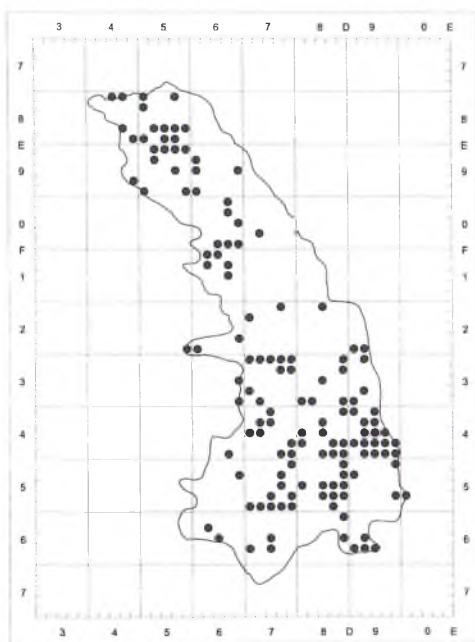
43. *Alisma plantago-aquatica* L.



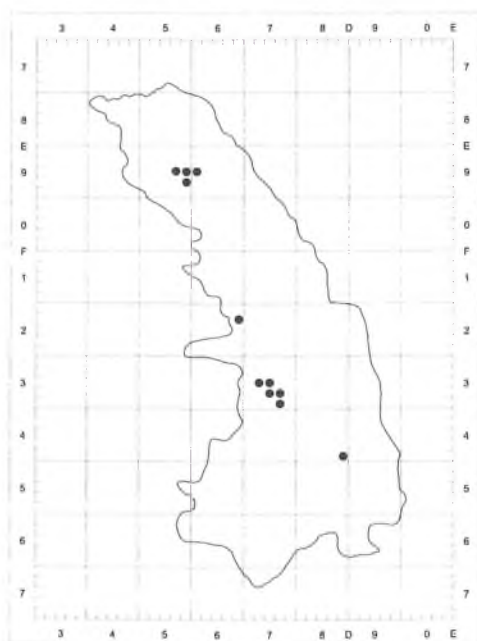
44. *Alliaria petiolata* (M. Bieb.)
Cavara & Grande



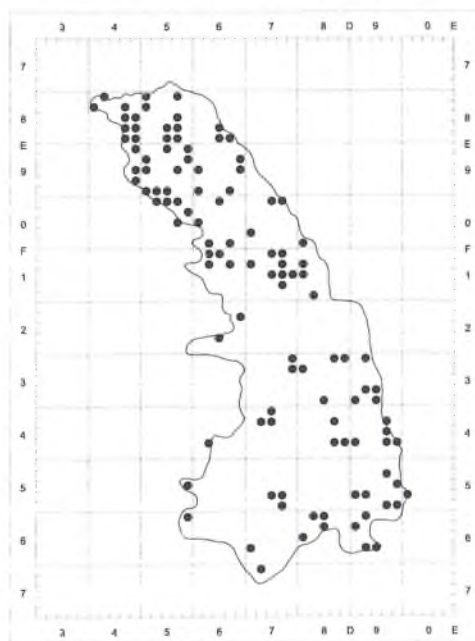
45. *Allium montanum* F. W. Schmidt



46. *Allium oleraceum* L.



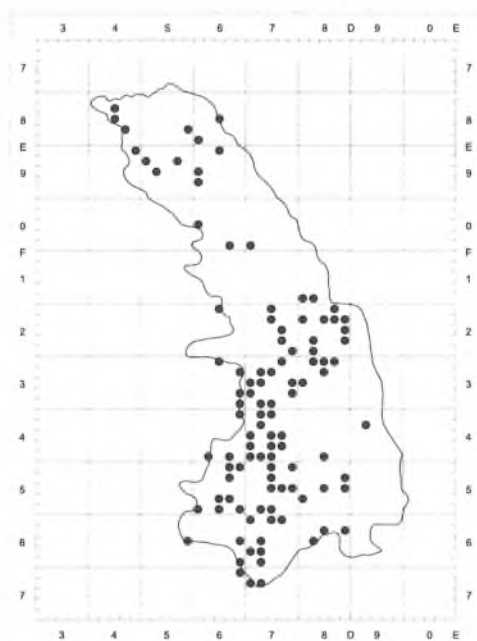
47. *Allium ursinum* L.



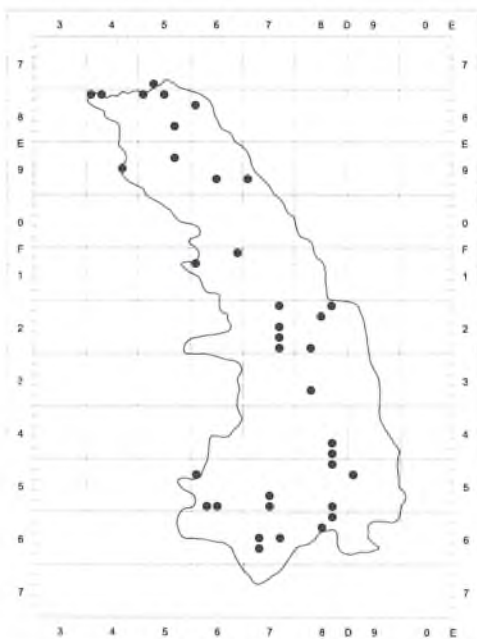
48. *Allium vineale* L.



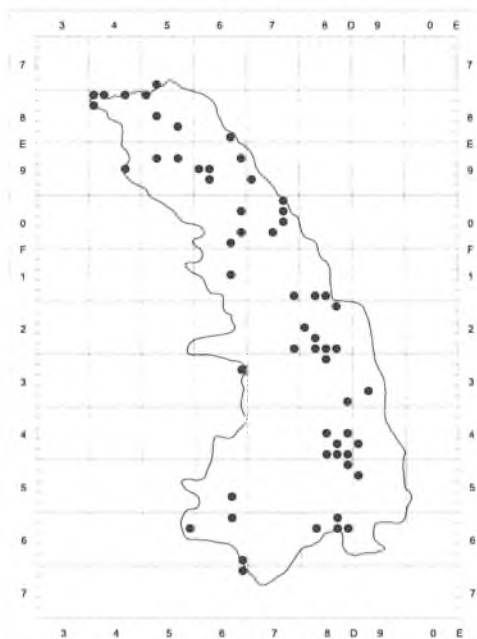
49. *Alnus glutinosa* (L.) Gaertn.



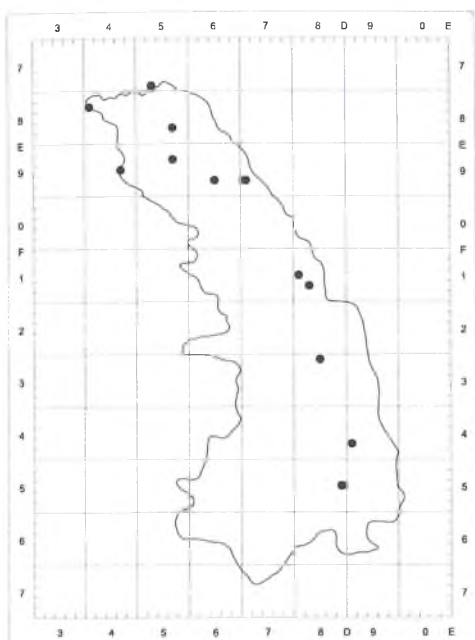
50. *Alnus incana* (L.) Moench



51. *Alopecurus aequalis* Sobol.



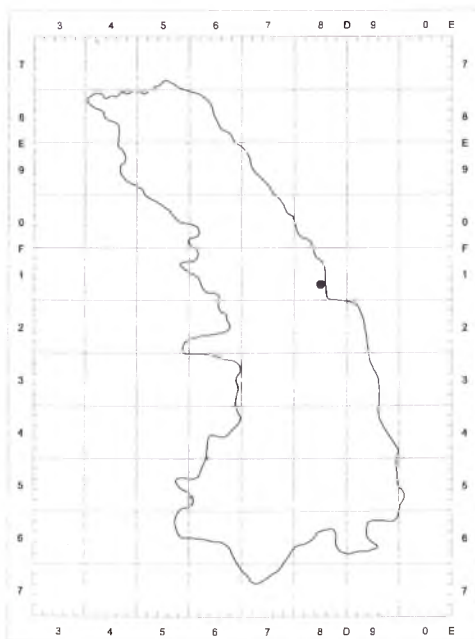
52. *Alopecurus geniculatus* L.



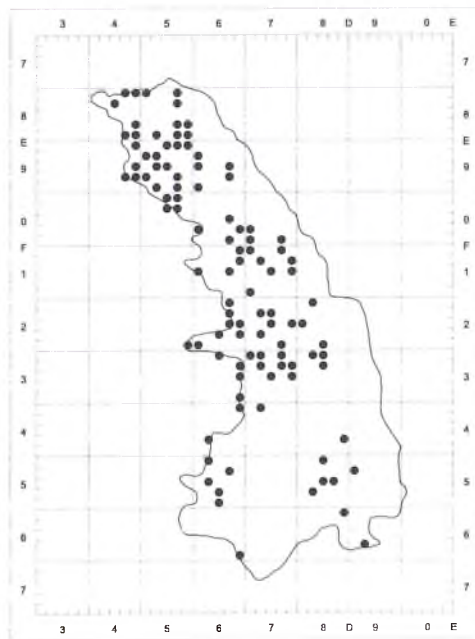
53. * *Alopecurus myosuroides* Huds.



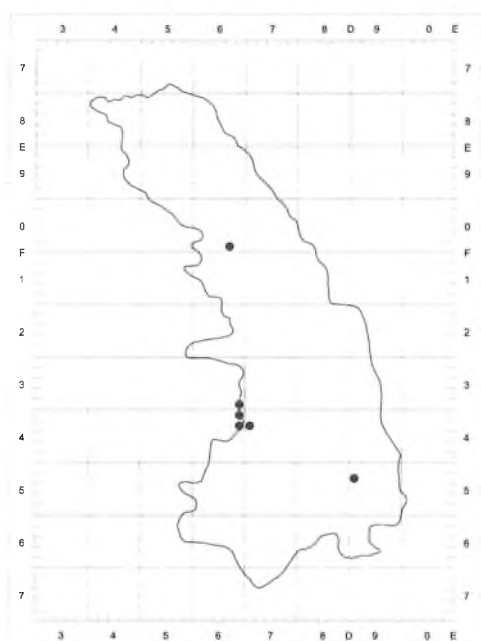
54. *Alopecurus pratensis* L.



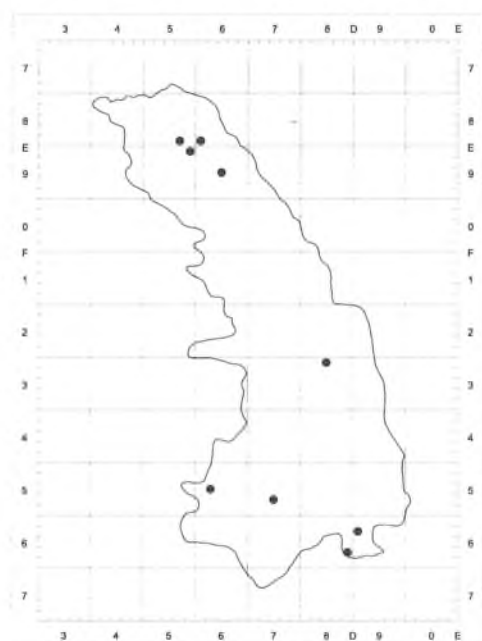
55. [*] *Althaea officinalis* L.



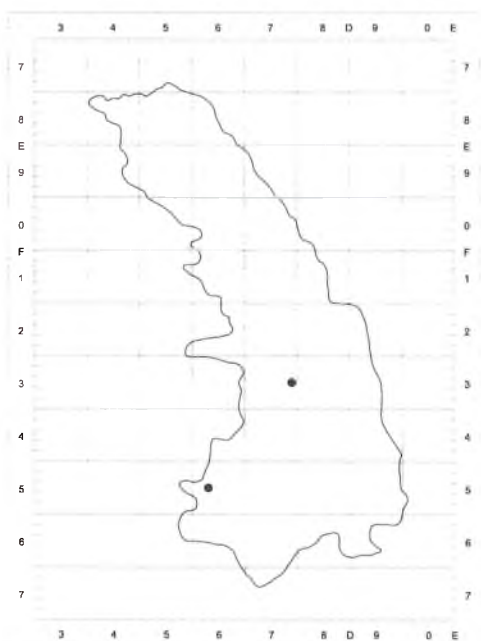
56. *Alyssum alyssoides* (L.) L.



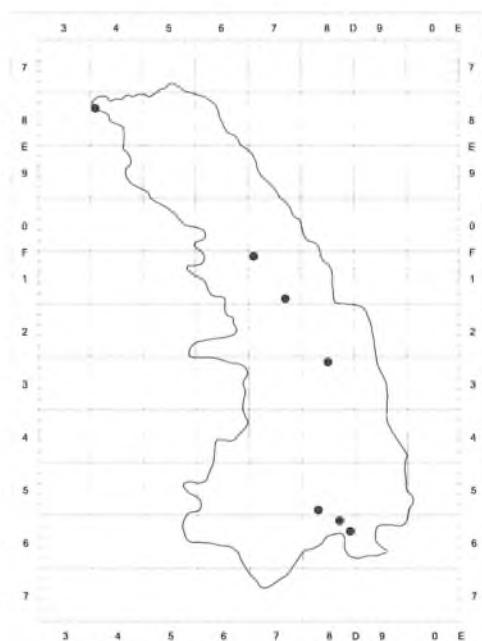
57. *Alyssum montanum* L.



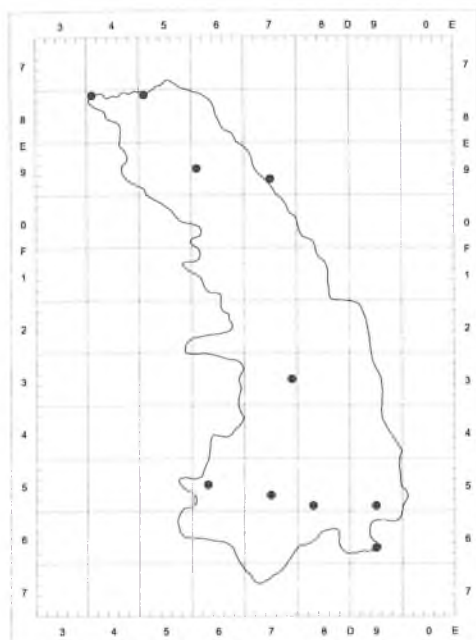
58. ** *Amaranthus albus* L.



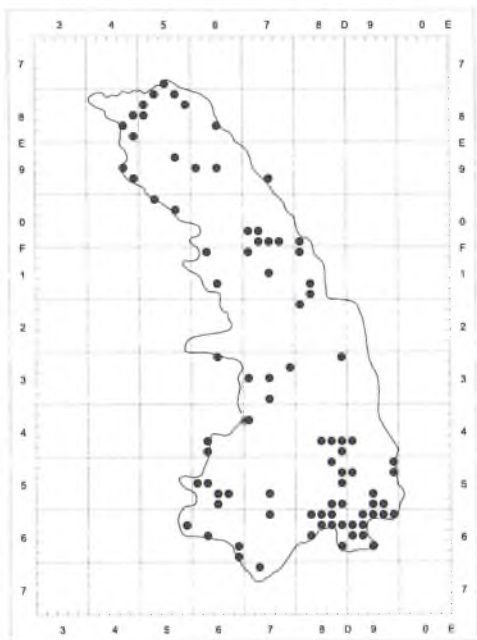
59. ** *Amaranthus blitoides* S. Watson



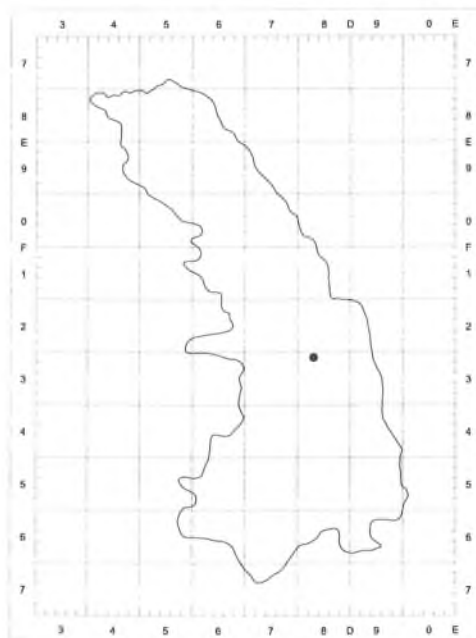
60. ** *Amaranthus chlorostachys* Willd.



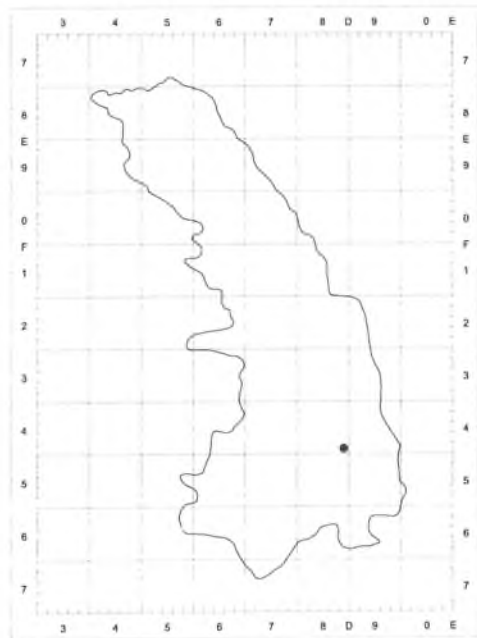
61. ** *Amaranthus lividus* L.



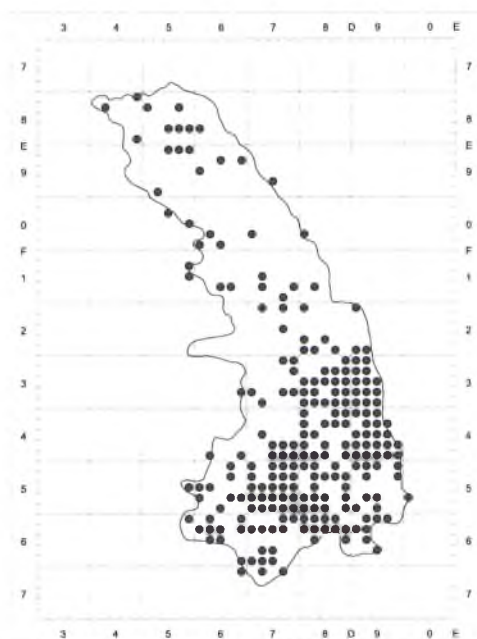
62. ** *Amaranthus retroflexus* L.



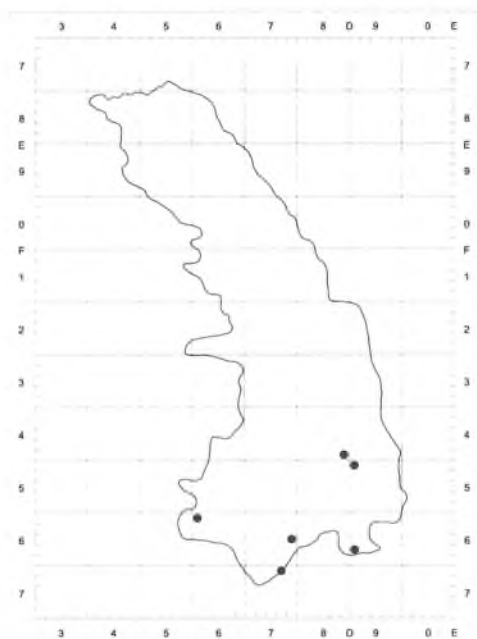
63. Δ *Ammophila arenaria* (L.) Link



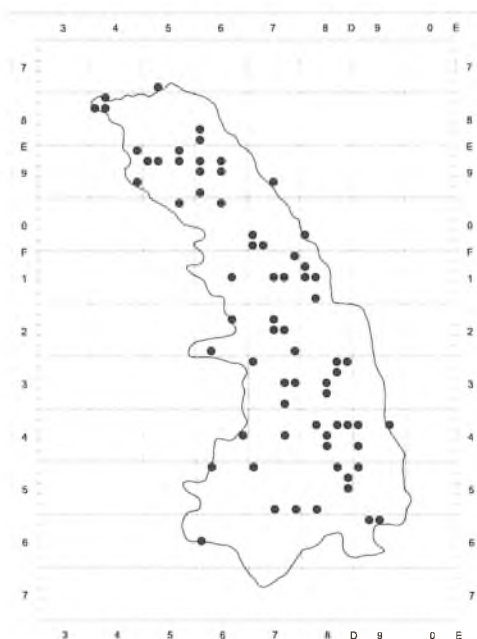
64. + *Anacamptis pyramidalis* (L.) Rich.



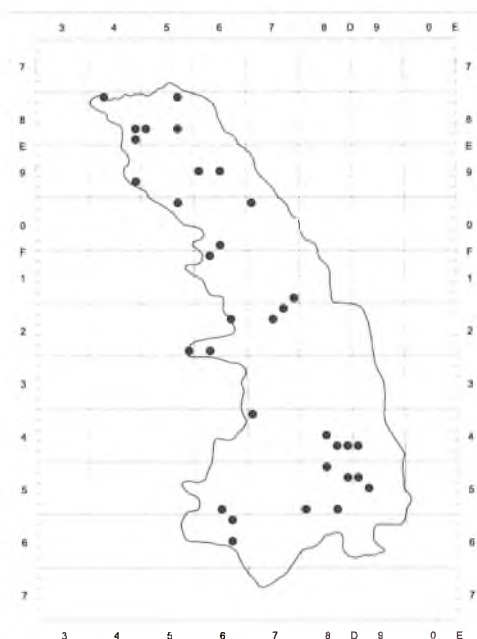
65. * *Anagallis arvensis* L.



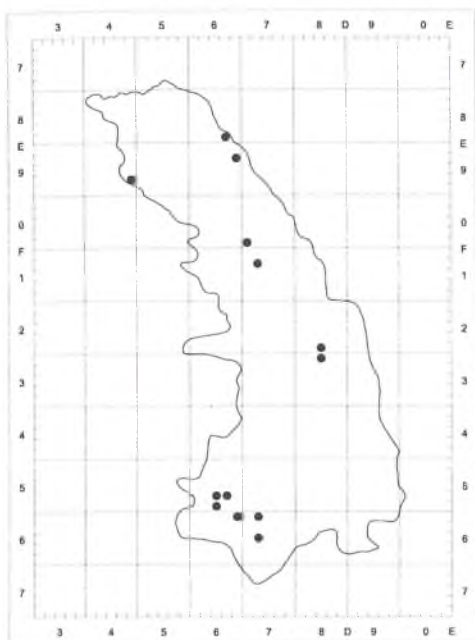
66. * *Anagallis foemina* Mill.



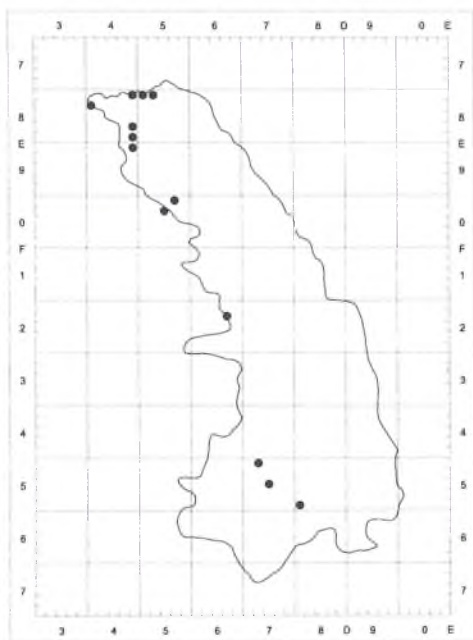
67. * *Anchusa arvensis* (L.) M. Bieb.



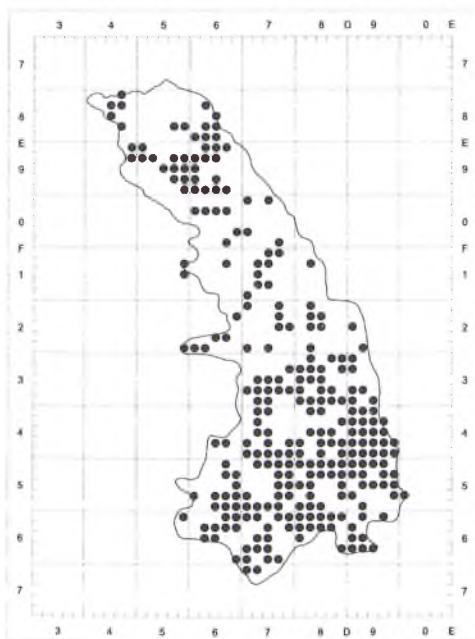
68. * *Anchusa officinalis* L.



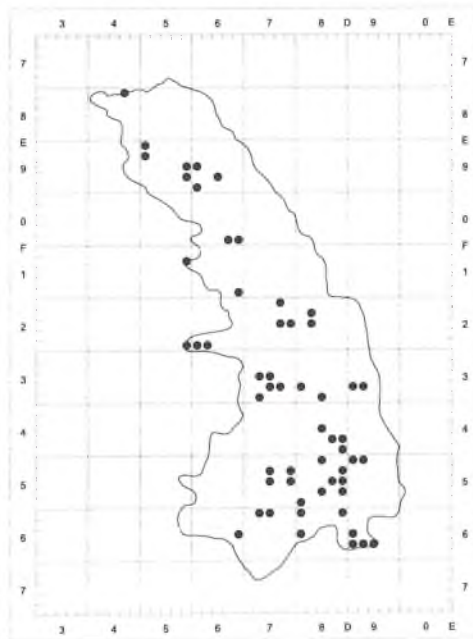
69. *Andromeda polifolia* L.



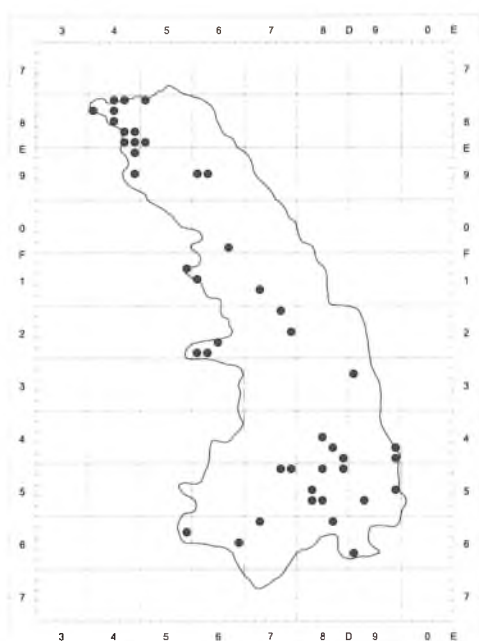
70. *Androsace septentrionalis* L.



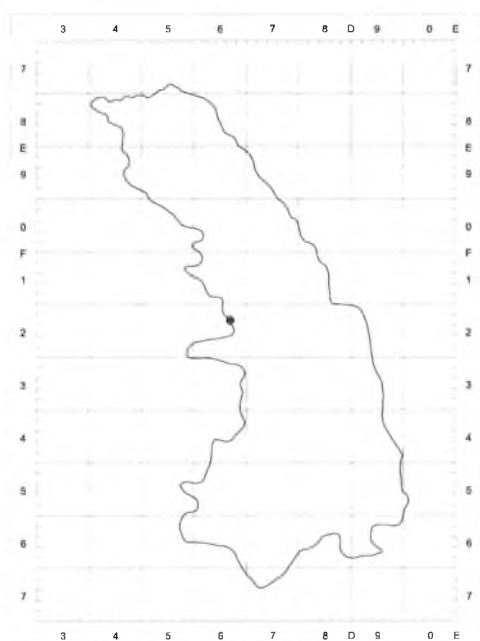
71. *Anemone nemorosa* L.



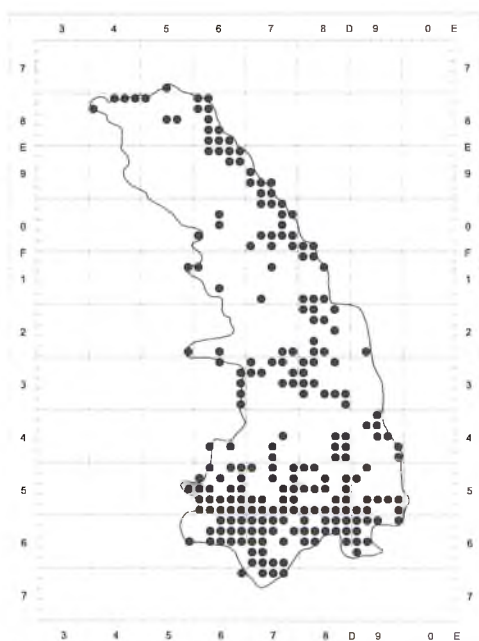
72. *Anemone ranunculoides* L.



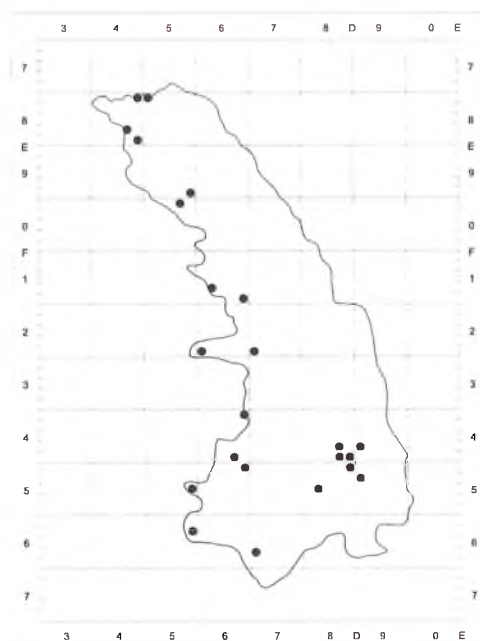
73. *Anemone sylvestris* L.



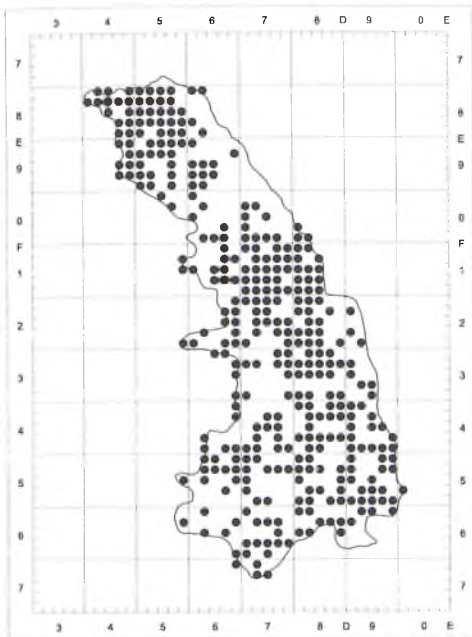
74. Δ *Angelica archangelica* L.
subsp. *litoralis* (Fr.) Thell.



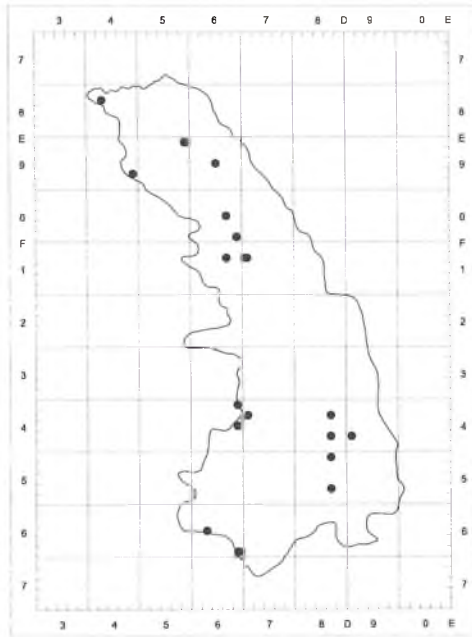
75. *Angelica sylvestris* L.



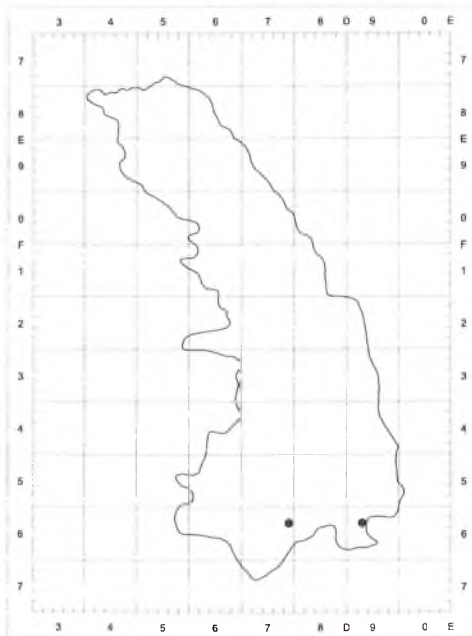
76. *Antennaria dioica* (L.) Gaertn.



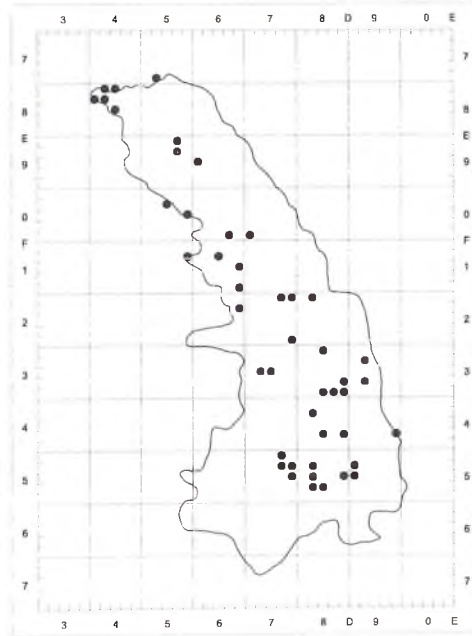
77. * *Anthemis arvensis* L.



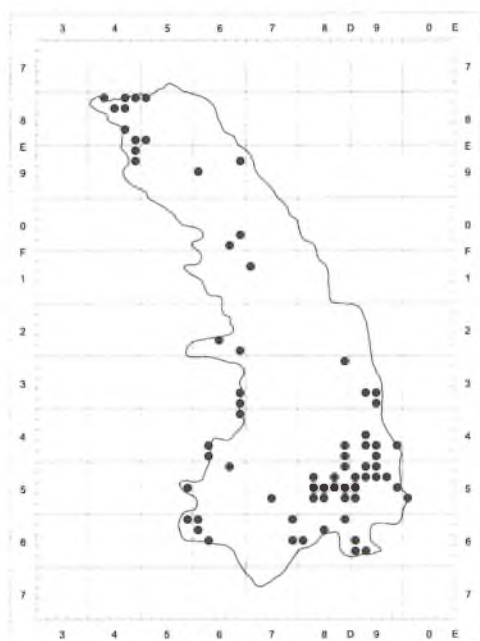
78. * *Anthemis cotula* L.



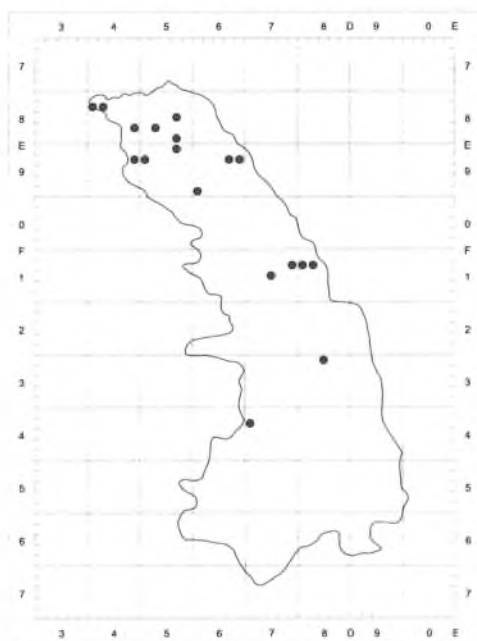
79. ** *Anthemis ruthenica* M. Bieb.



80. *Anthemis tinctoria* L.



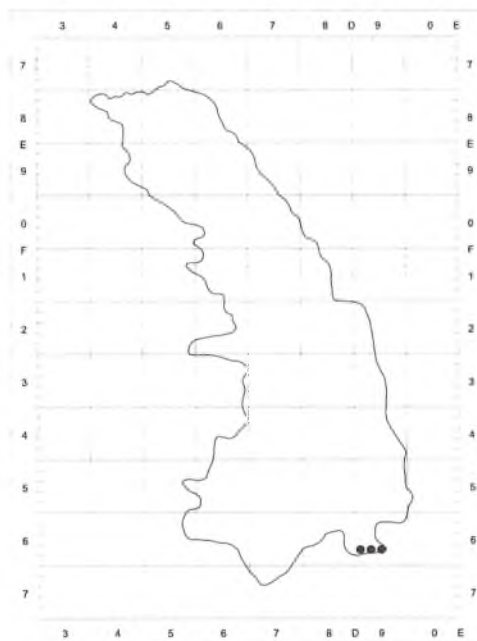
81. *Anthericum ramosum* L.



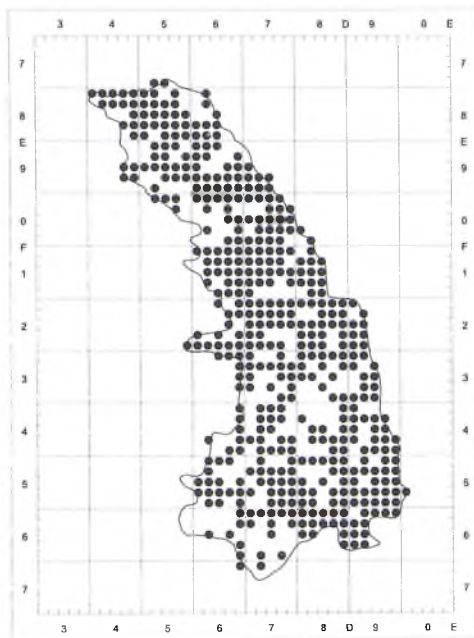
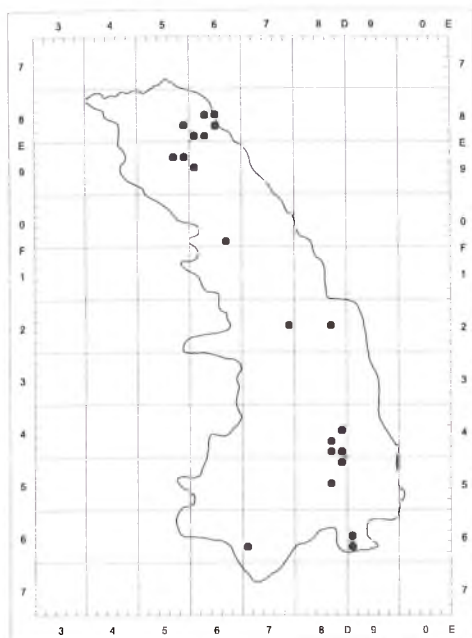
82. ** *Anthoxantum aristatum* Boss.



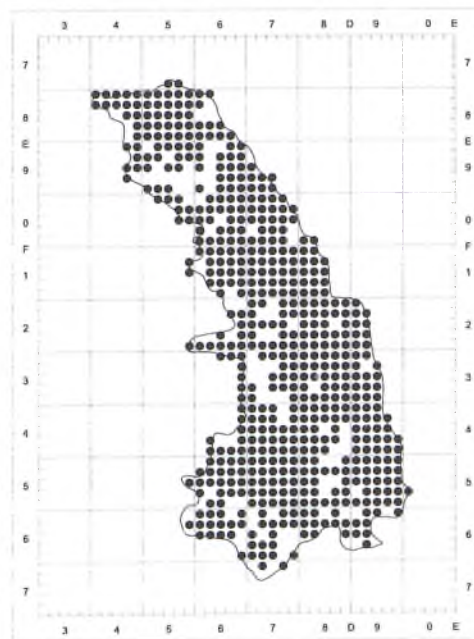
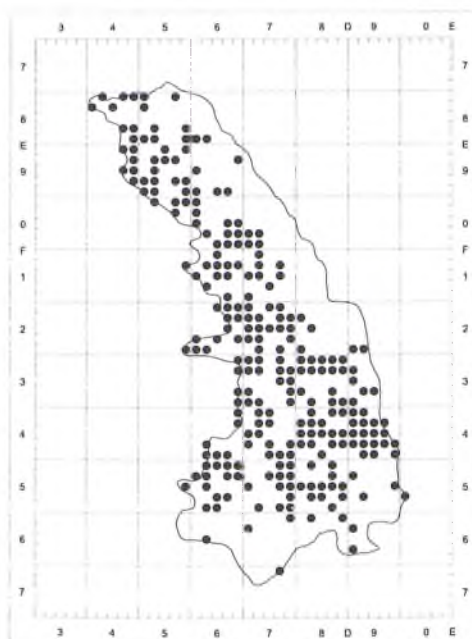
83. *Anthoxantum odoratum* L. s. str.



84. + * *Anthriscus caucalis* M. Bieb.

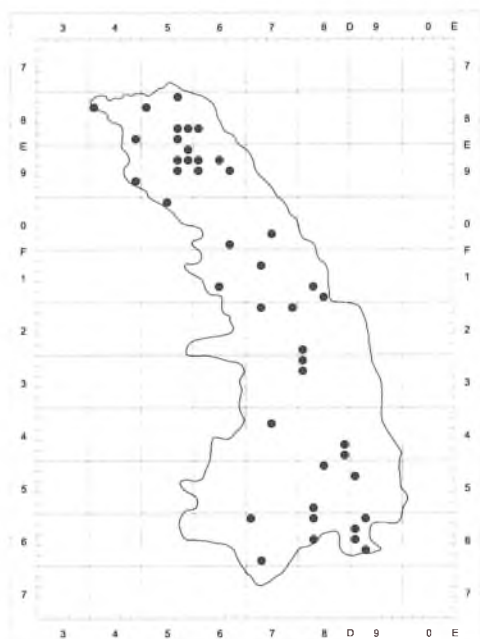


85. *Anthriscus nitida* (Wahlenb.) Garcke 86. *Anthriscus silvestris* (L.) Hoffm.

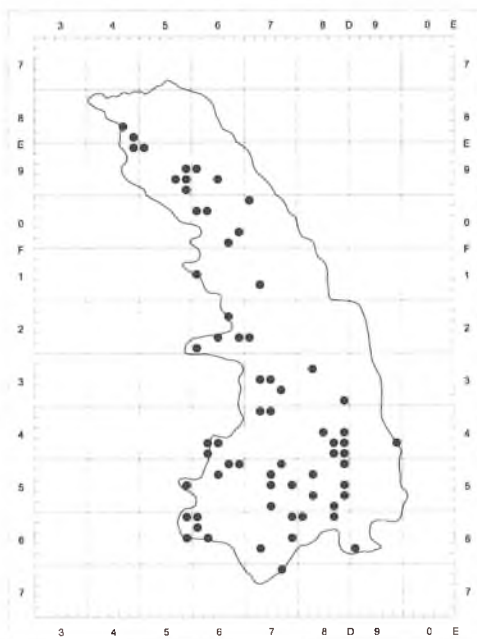


87. *Anthyllis vulneraria* L.

88. * *Apera spica-venti* (L.) P. Beauv.



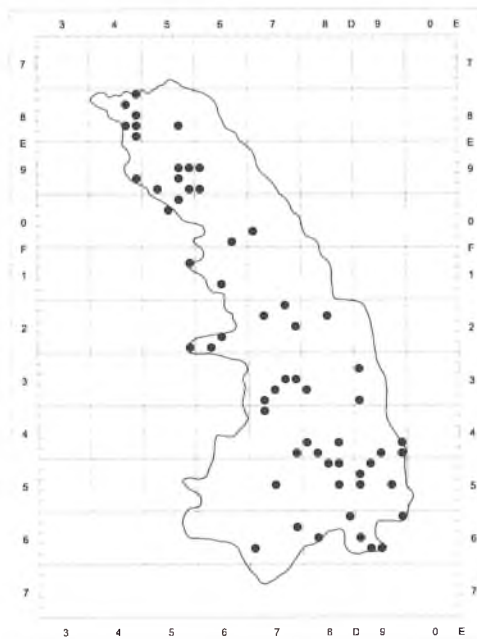
89. * *Aphanes arvensis* L.



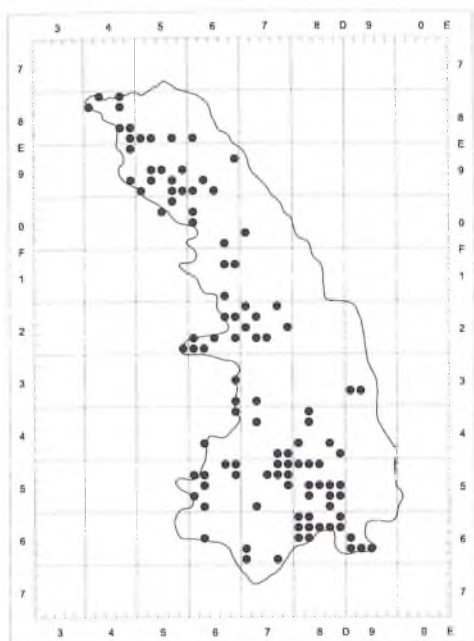
90. *Aquilegia vulgaris* L.



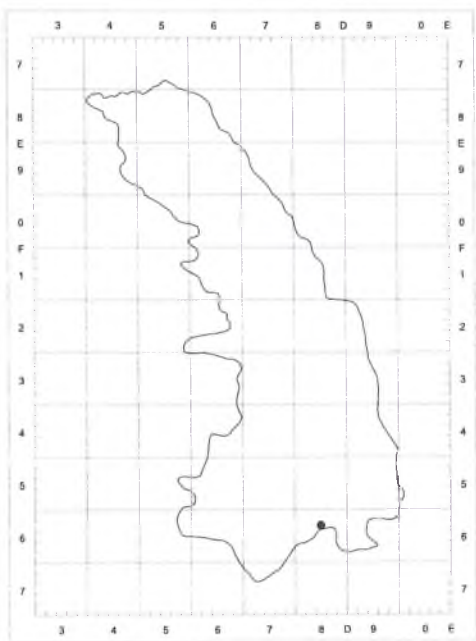
91. *Arabidopsis thaliana* (L.) Heynh.



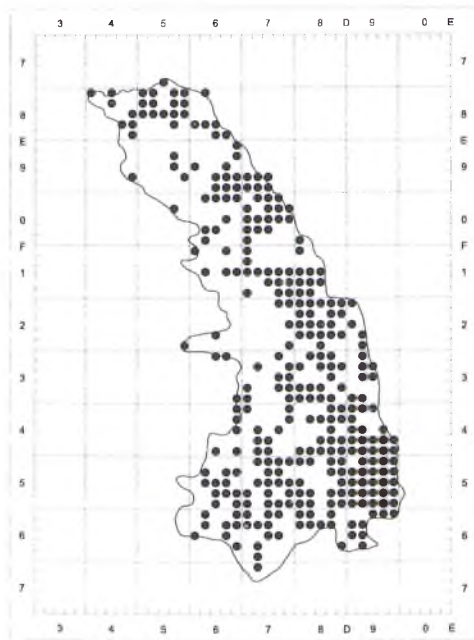
92. *Arabis glabra* (L.) Bernh.



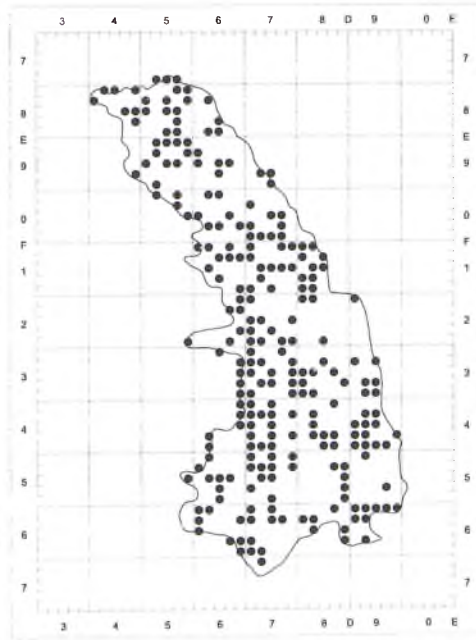
93. *Arabis hirsuta* (L.) Scop.



94. + *Arabis planisiliqua* (Pers.) Rechb.



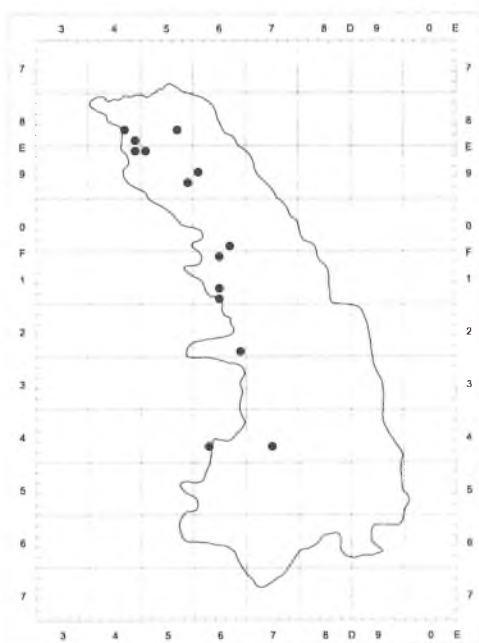
95. *Arctium lappa* L.



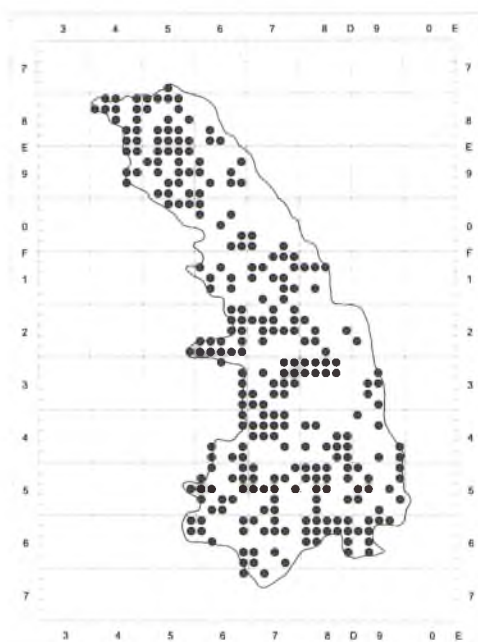
96. *Arctium minus* (Hill.) Bernh.



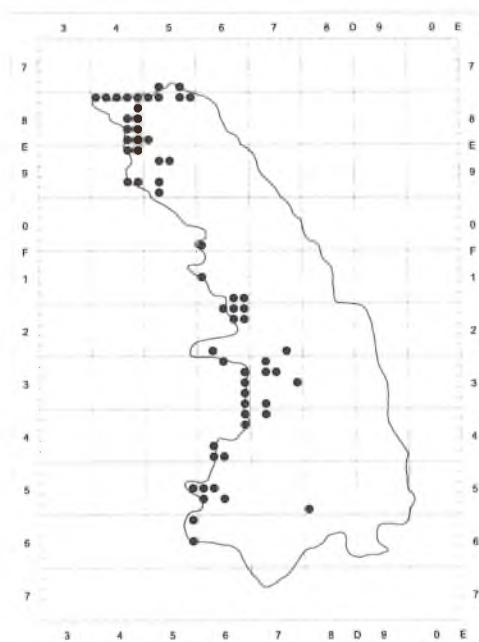
97. *Arctium tomentosum* Mill.



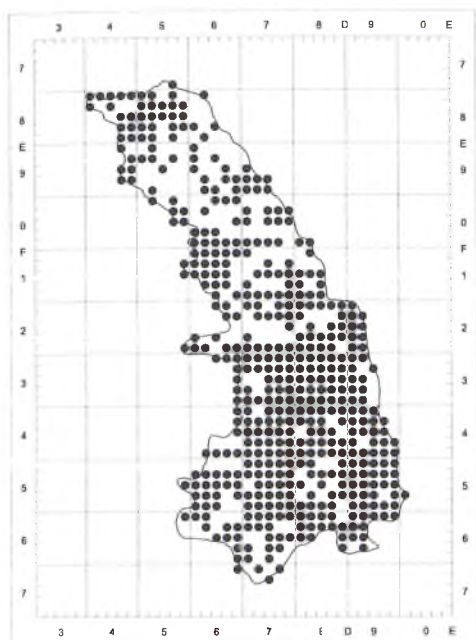
98. *Arctostaphylos uva-ursi* (L.) Spreng.



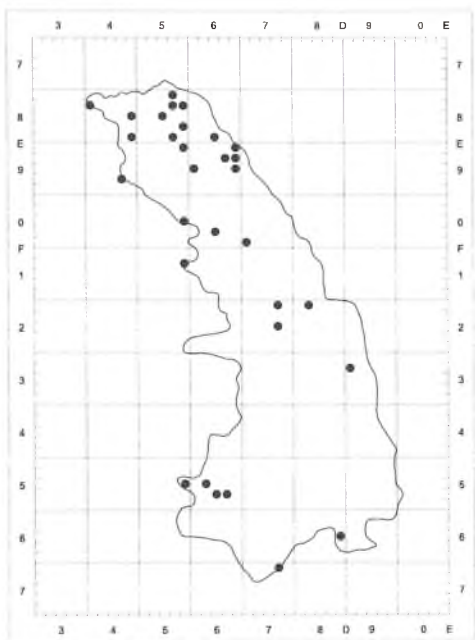
99. *Arenaria serpyllifolia* L.



100. *Armeria maritima* (Mill.) Willd.



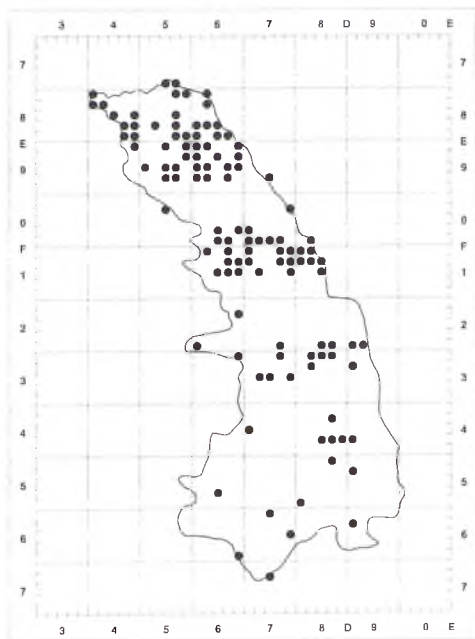
101. * *Armoracia rusticana*
P. Gaertn., B. Mey. & Scherb.



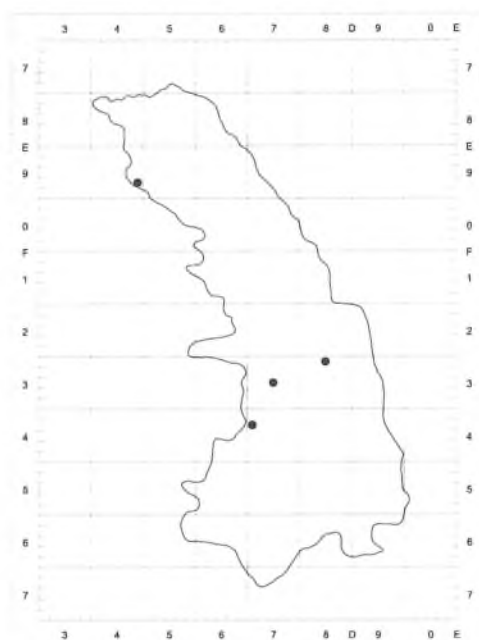
102. *Arnoseris minima* (L.)
Schweigg. & Körte



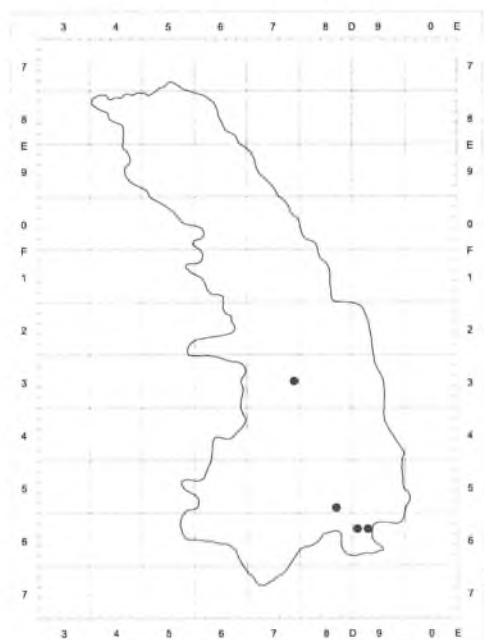
103. *Arrhenatherum elatius* (L.)
P. Beauv. ex J. Presl & C. Presl



104. * *Artemisia absinthium* L.



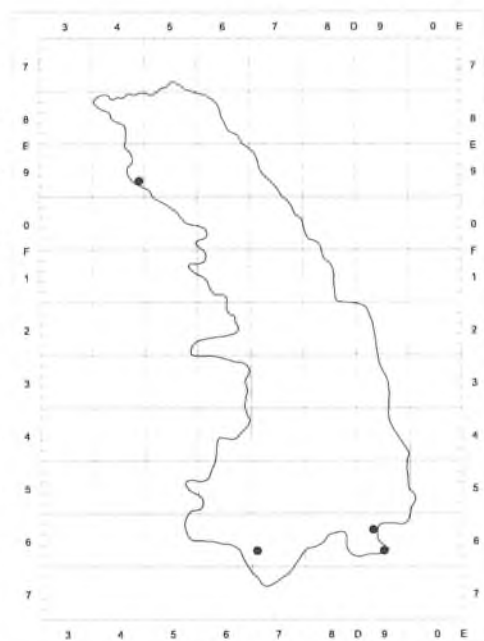
105. ** *Artemisia annua* L.



106. ** *Artemisia austriaca* Jacq.



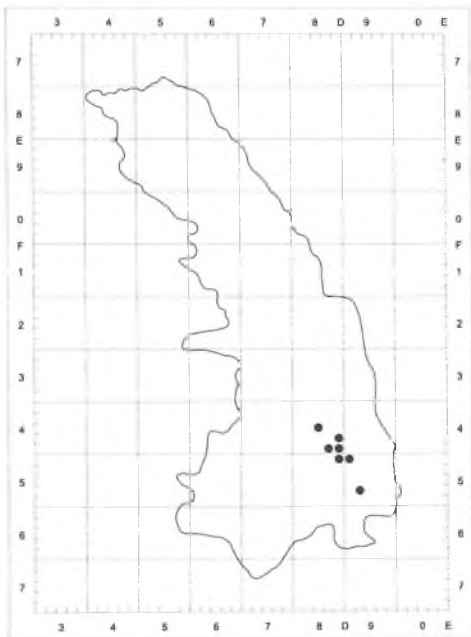
107. *Artemisia campestris* L.



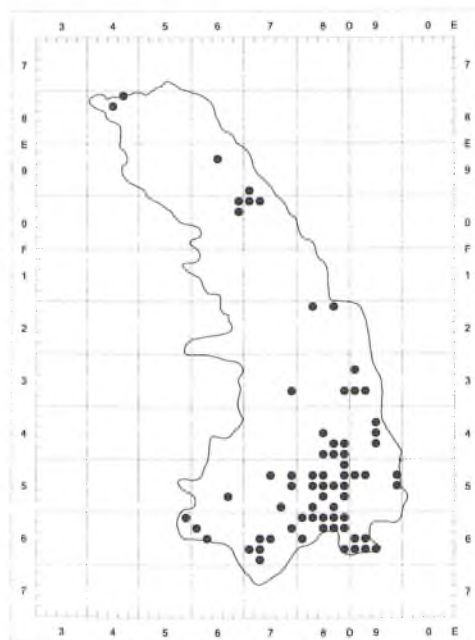
108. Δ *Artemisia scoparia* Waldst. & Kit.



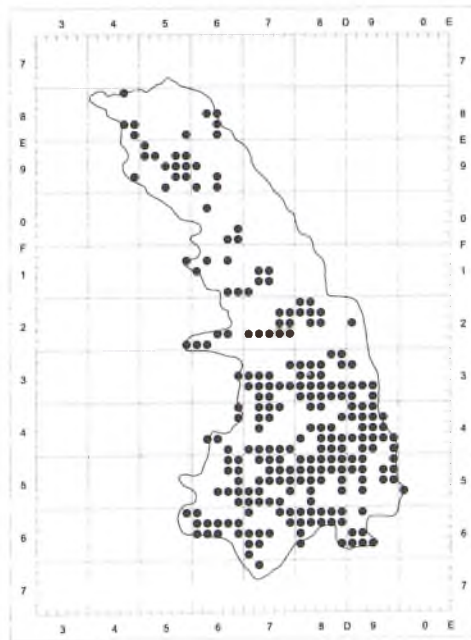
109. *Artemisia vulgaris* L.



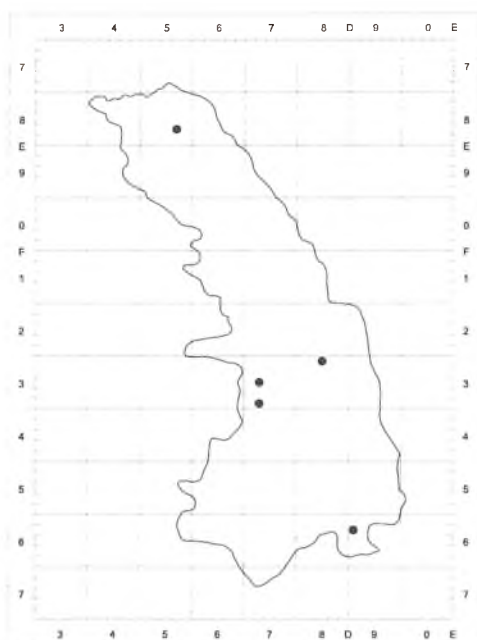
110. *Arum alpinum* Schott & Kotschy



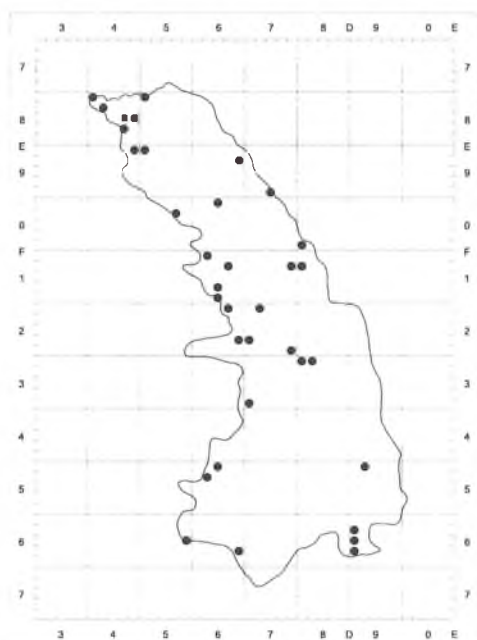
111. *Aruncus sylvestris* Kostel.



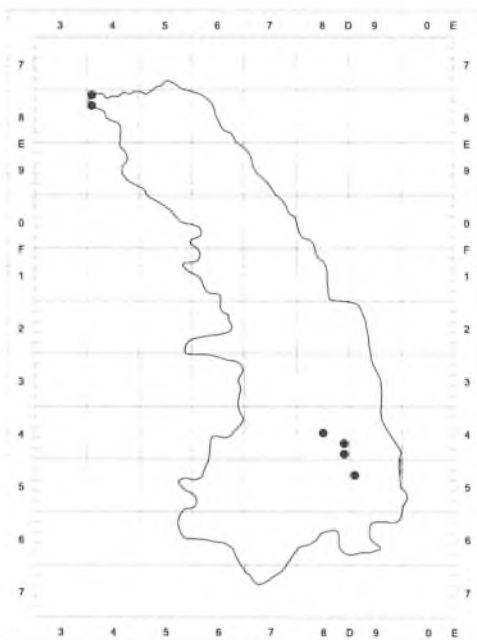
112. *Asarum europaeum* L.



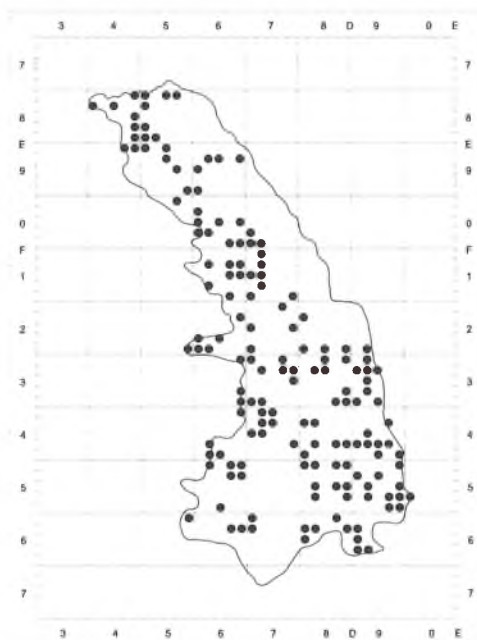
113. ** *Asclepias syriaca* L.



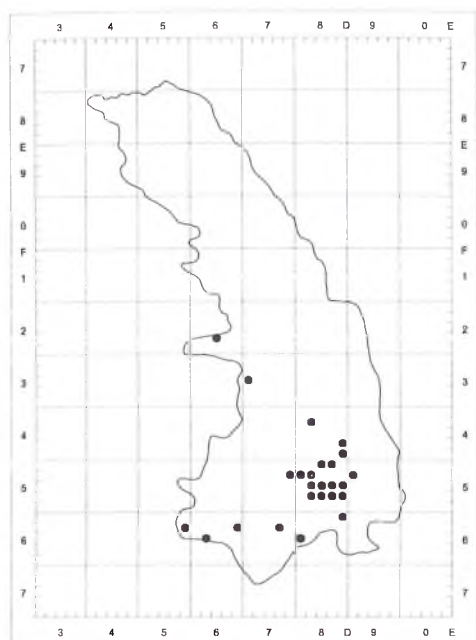
114. *Asparagus officinalis* L.



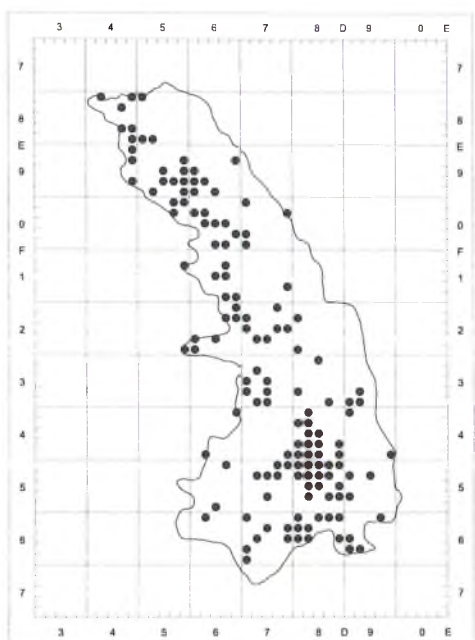
115. * *Asperugo procumbens* L.



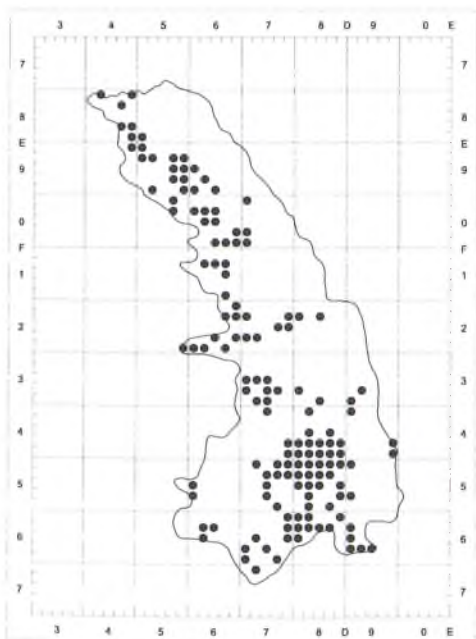
116. *Asperula cynanchica* L.



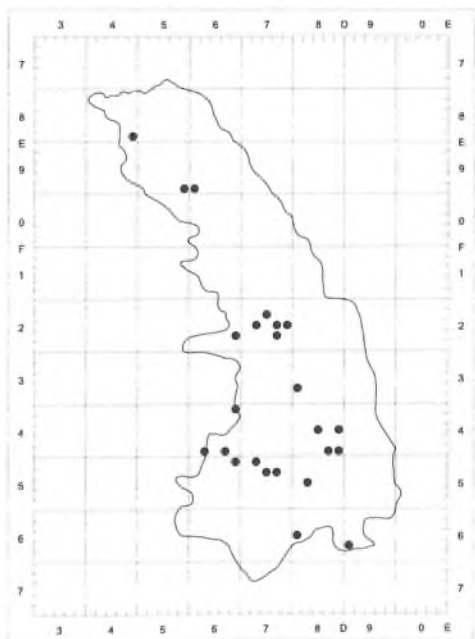
117. *Asperula tinctoria* L.



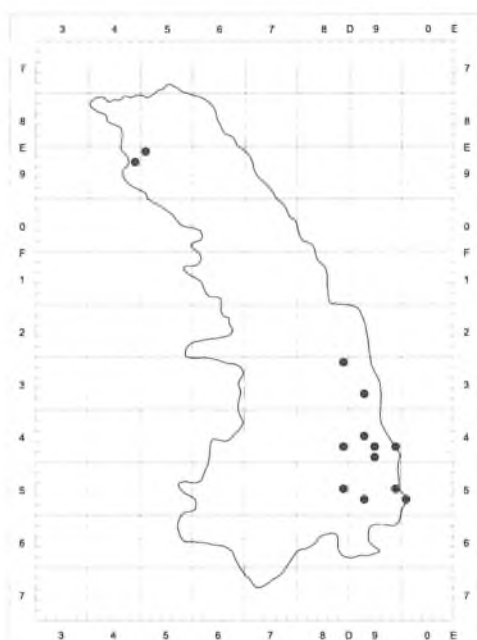
118. *Asplenium ruta-muraria* L.



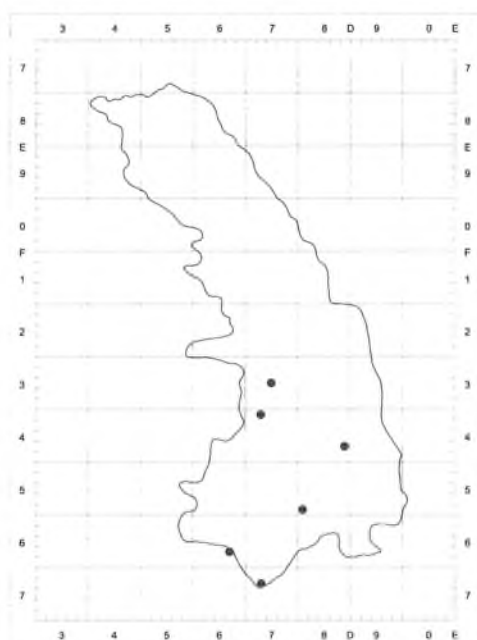
119. *Asplenium trichomanes* L.



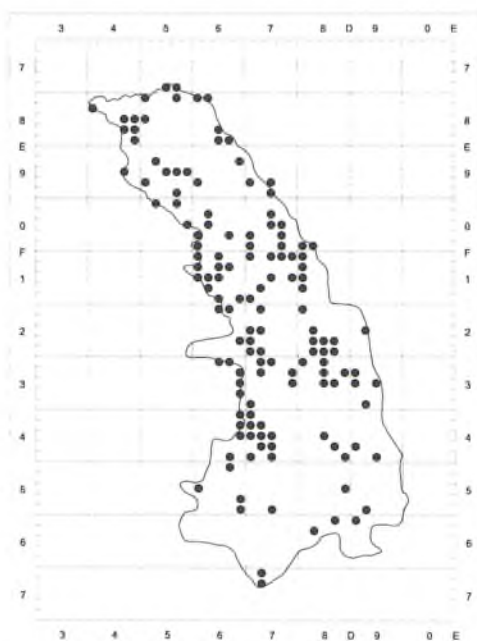
120. *Asplenium viride* Huds.



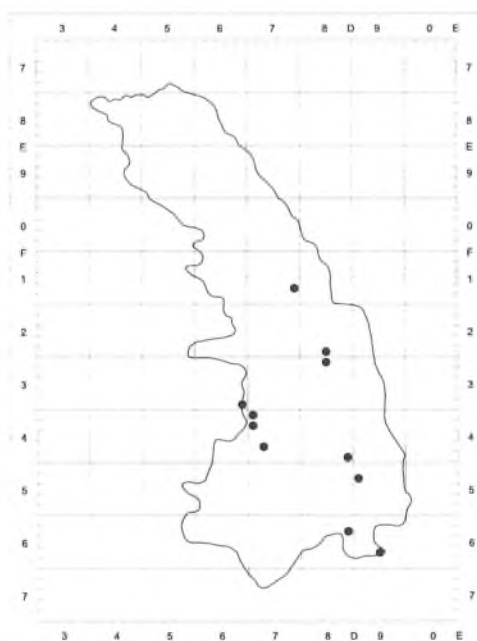
121. *Aster amellus* L.



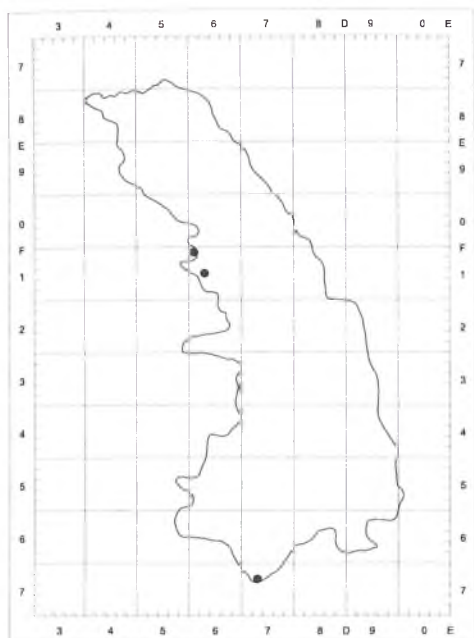
122. ** *Aster lanceolatus* Willd.



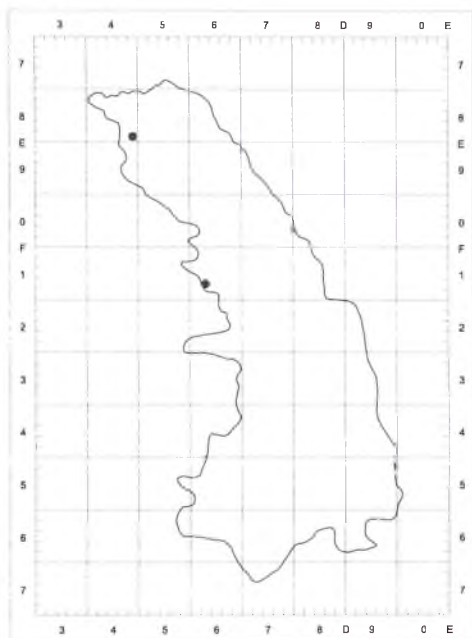
123. ** *Aster novi-belgii* L.



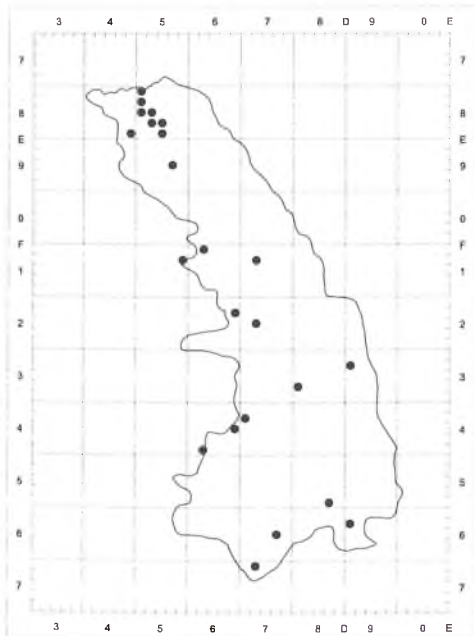
124. ** *Aster xsalignus* Willd.



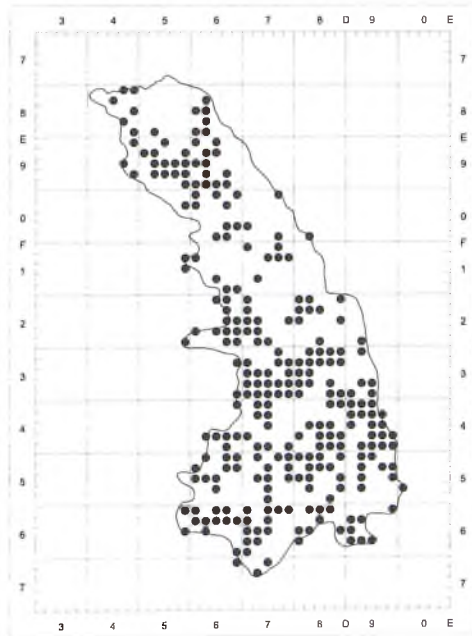
125. ** *Aster tradescantii* L.



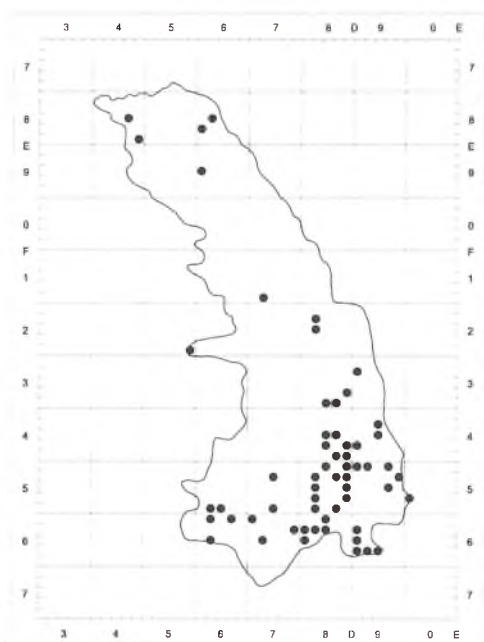
126. + *Astragalus arenarius* L.



127. *Astragalus cicer* L.



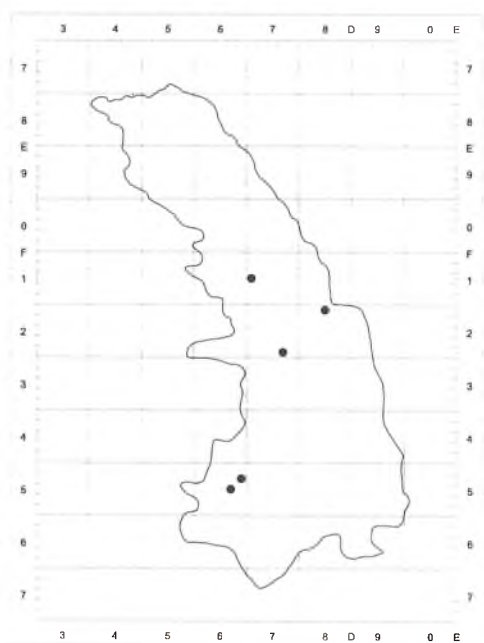
128. *Astragalus glycyphyllos* L.



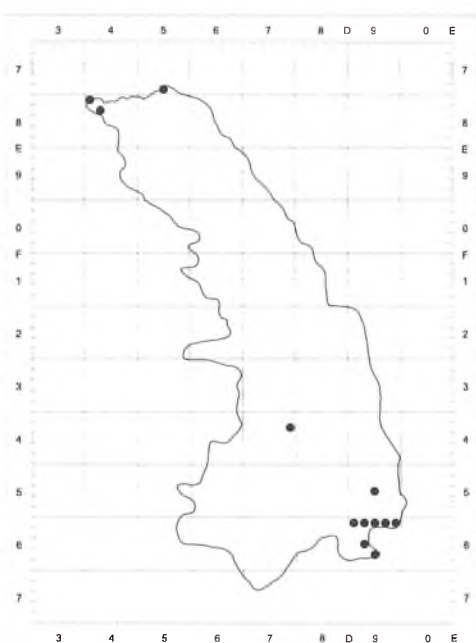
129. *Astrantia major* L.



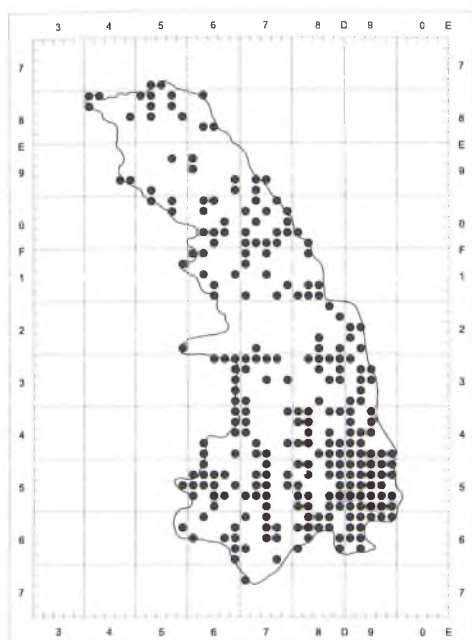
130. *Athyrium filix-femina* (L.) Roth



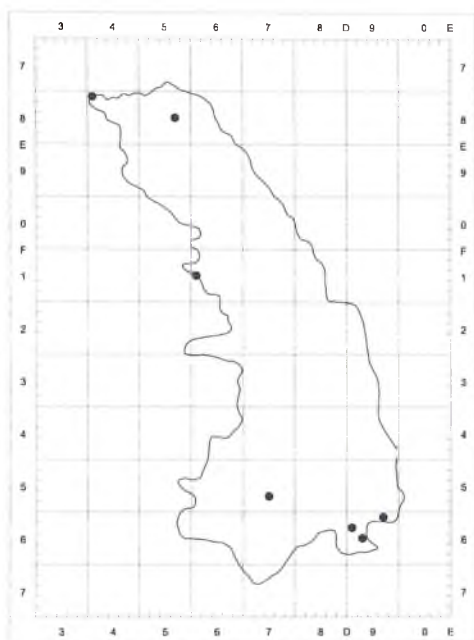
131. ** *Atriplex hortensis* L.



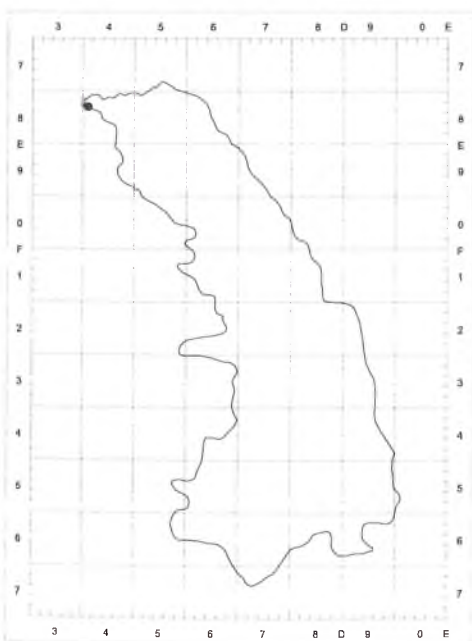
132. * *Atriplex nitens* Schkuhr



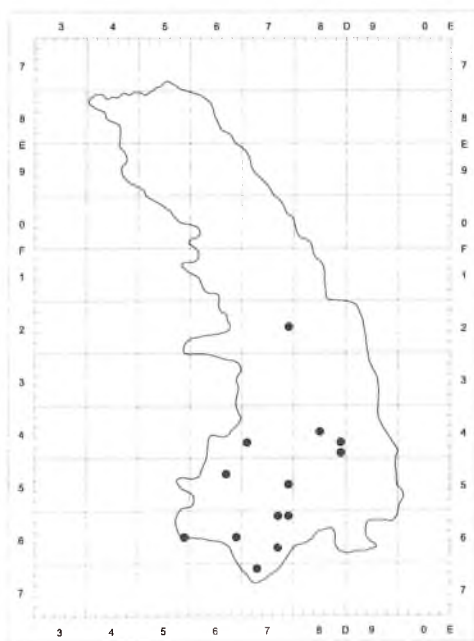
133. *Atriplex patula* L.



134. *Atriplex prostrata* Boucher ex DC.



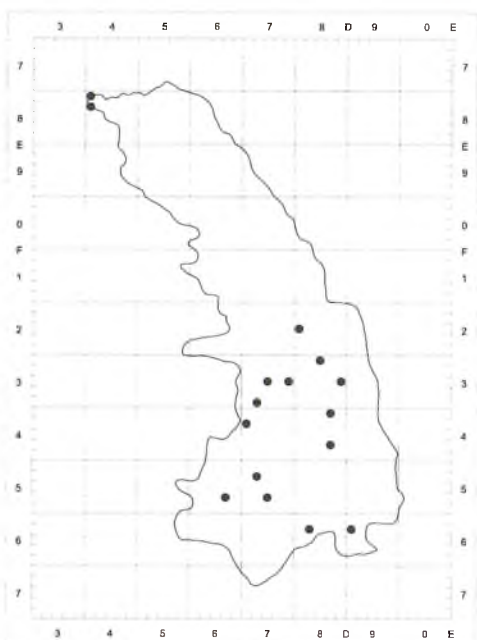
135. ** *Atriplex tatarica* L.



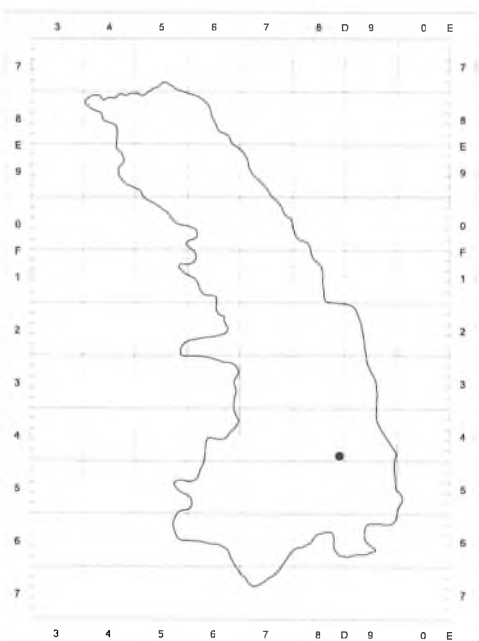
136. *Atropa belladonna* L.



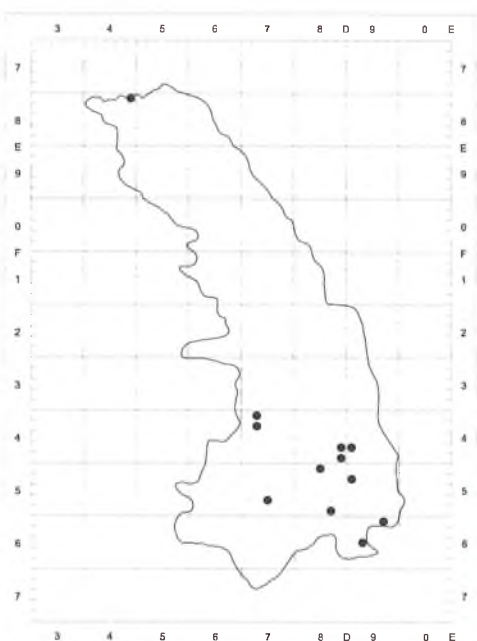
137. * *Avena fatua* L.



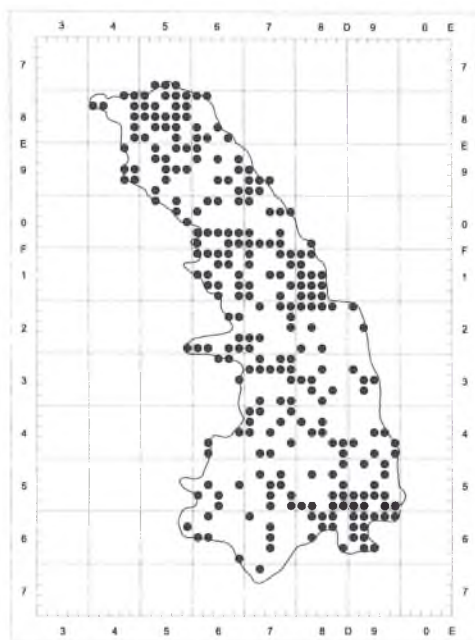
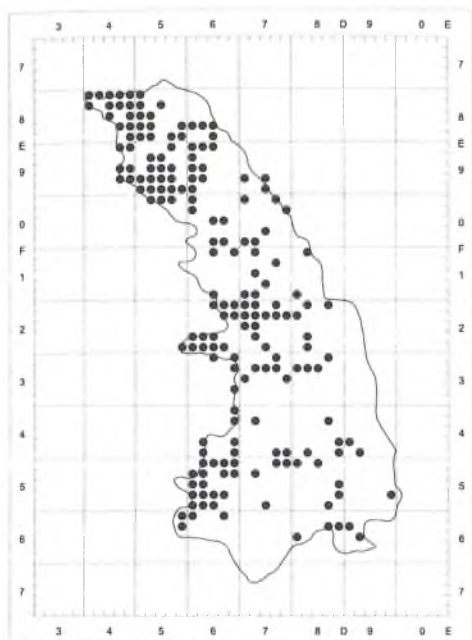
138. * *Avena strigosa* Schreb.



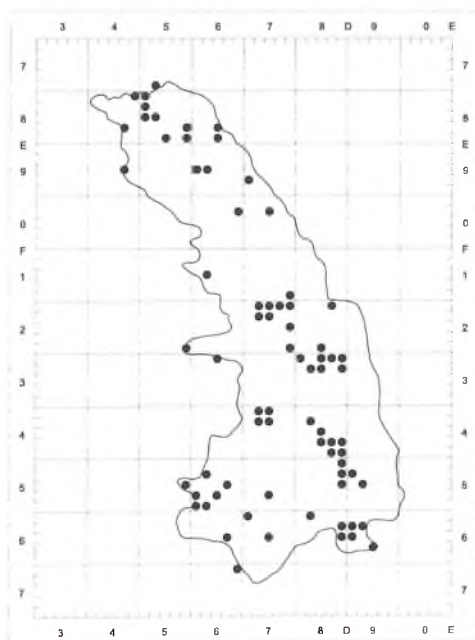
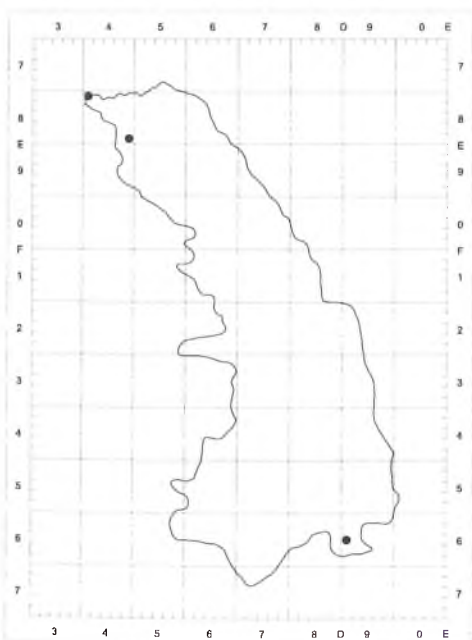
139. *Avenula* cfr. *planiculmis* (Schrad.)
W. Sauer & Chmelitschek



140. *Avenula pratensis* (L.) Dumort.

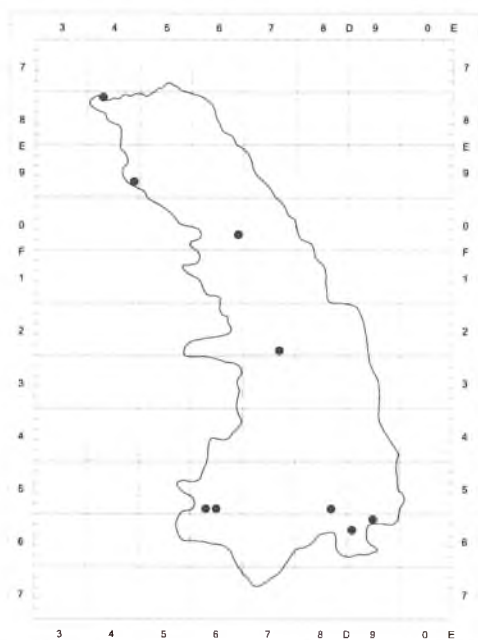


141. *Avenula pubescens* (Huds.) Dumort. 142. * *Ballota nigra* L.

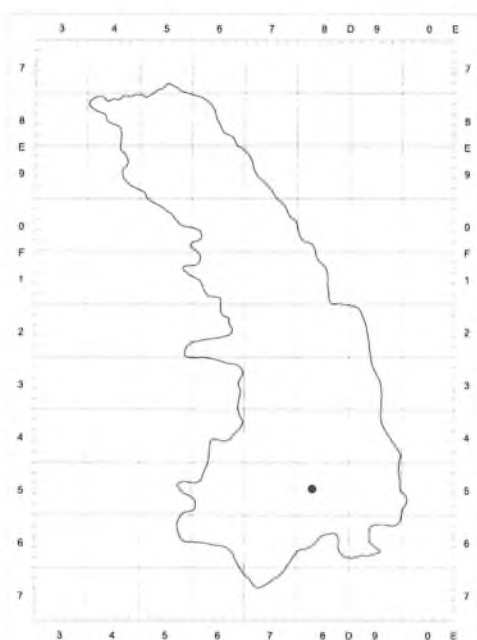


143. *Barbarea stricta* Andr.

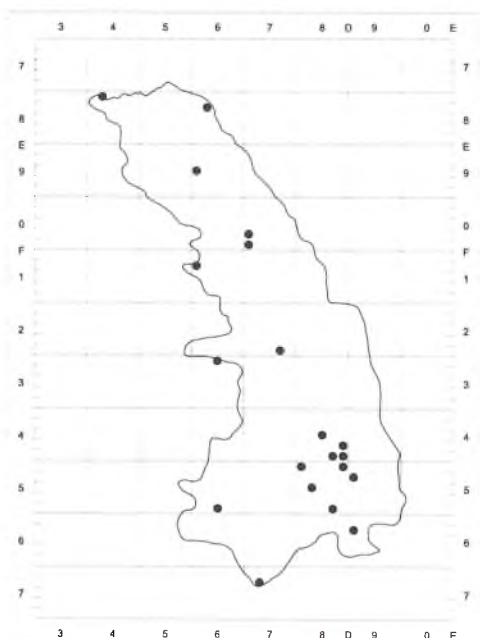
144. *Barbarea vulgaris* R. Br.



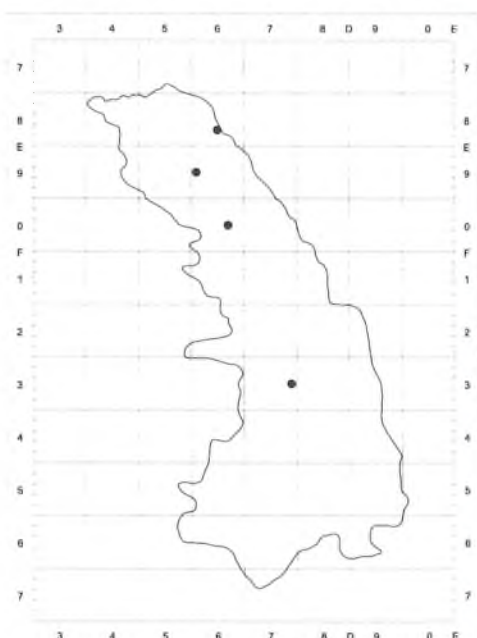
145. *Batrachium aquatile* (L.) Dumort.



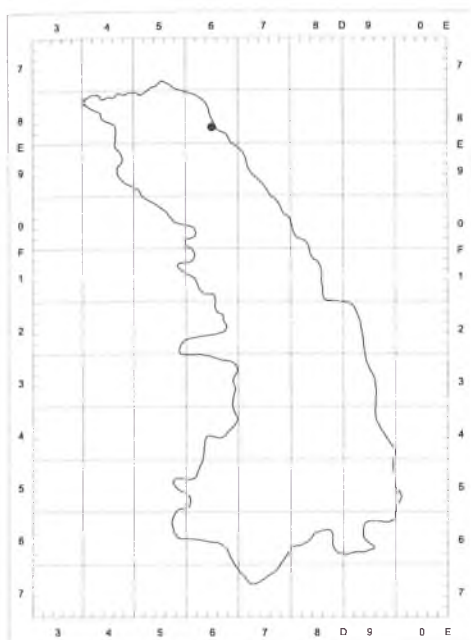
146. *Batrachium baudotii* (Godr.) Bosch



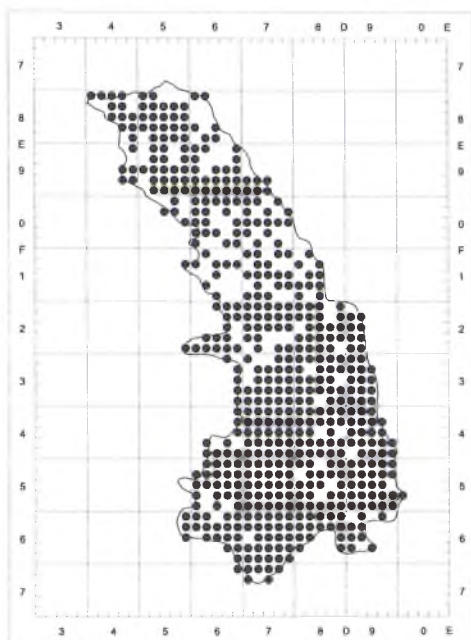
147. *Batrachium circinatum* (Sibth.) Fr.



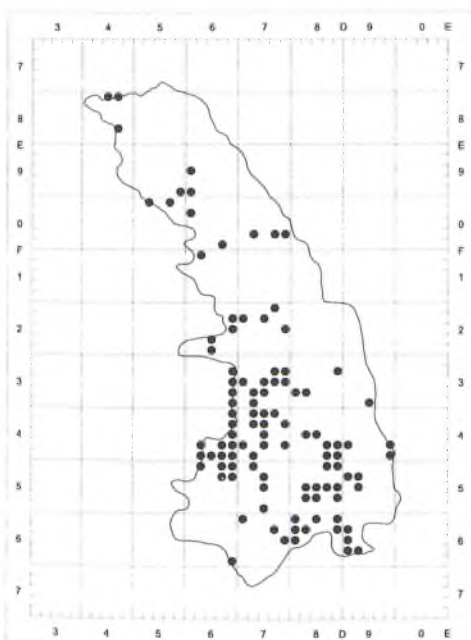
148. *Batrachium trichophyllum* (Chaix) Bosch



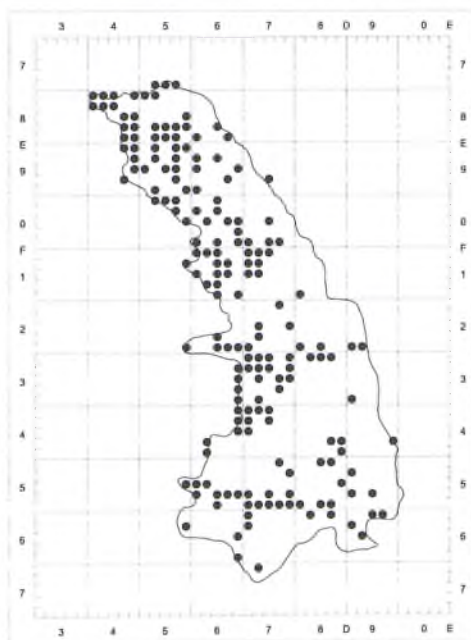
149. ** *Beckmannia eruciformis* Host



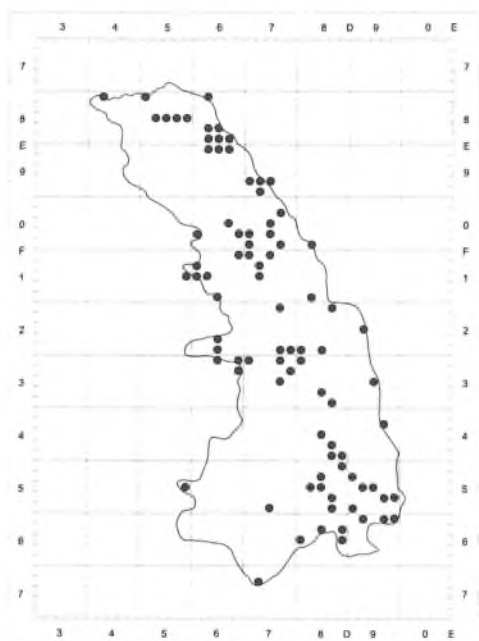
150. *Bellis perennis* L.



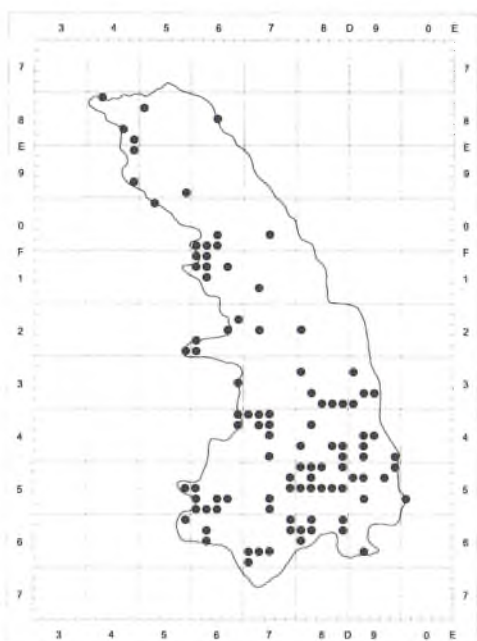
151. *Berberis vulgaris* L.



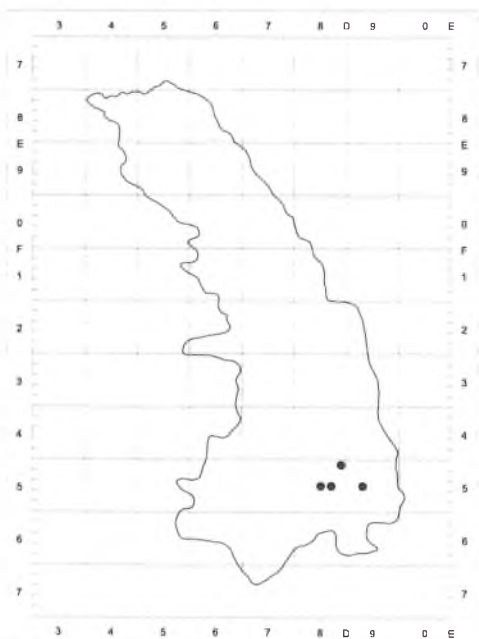
152. [*] *Berteroa incana* (L.) DC.



153. *Berula erecta* (Huds.) Coville



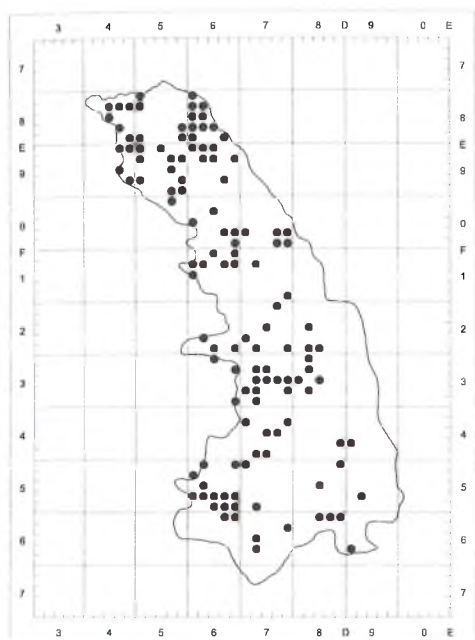
154. *Betonica officinalis* L.



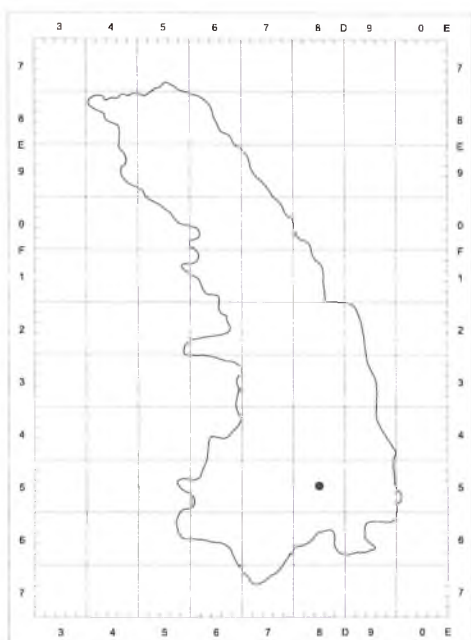
155. *Betula oycoviensis* Besser



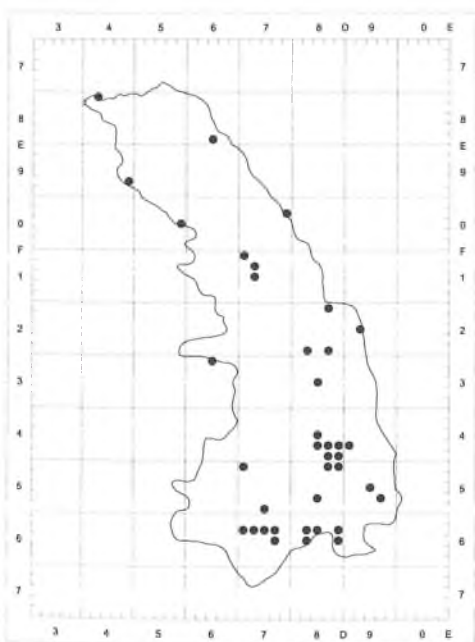
156. *Betula pendula* Roth



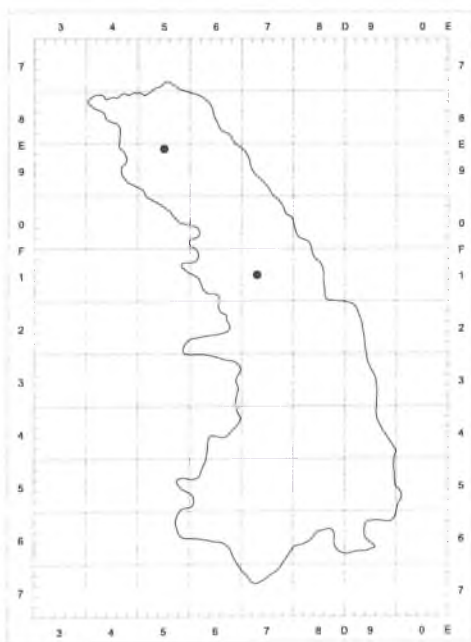
157. *Betula pubescens* Ehrh.



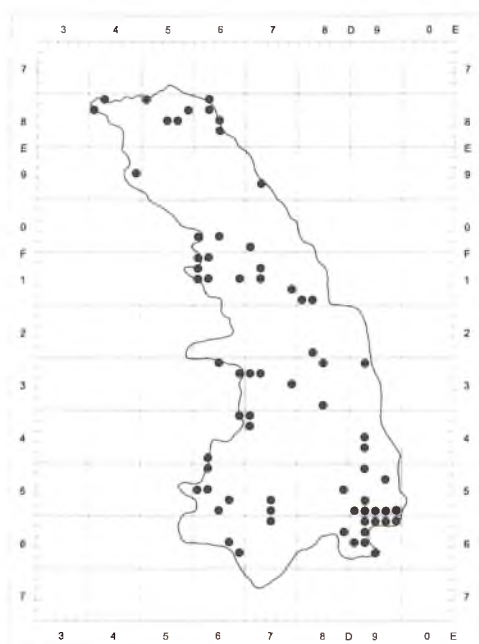
158. *Betula szaferi* Jentys.-Szaferowa
ex Stasz.



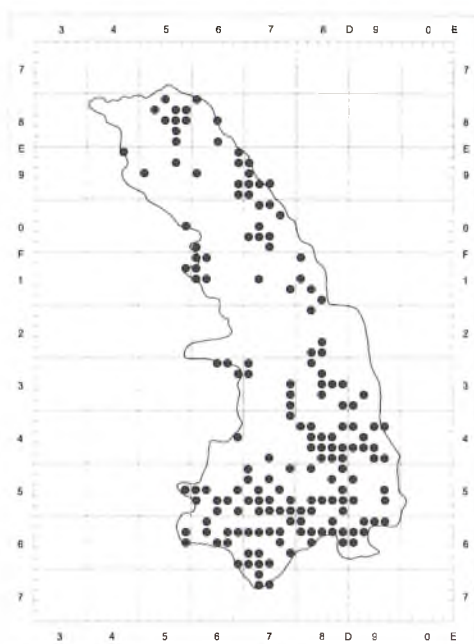
159. *Bidens cernua* L.



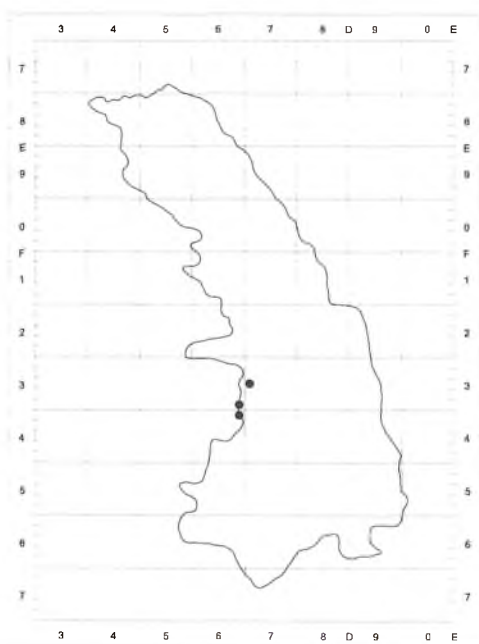
160. ** *Bidens connata* H. L. Mühl.



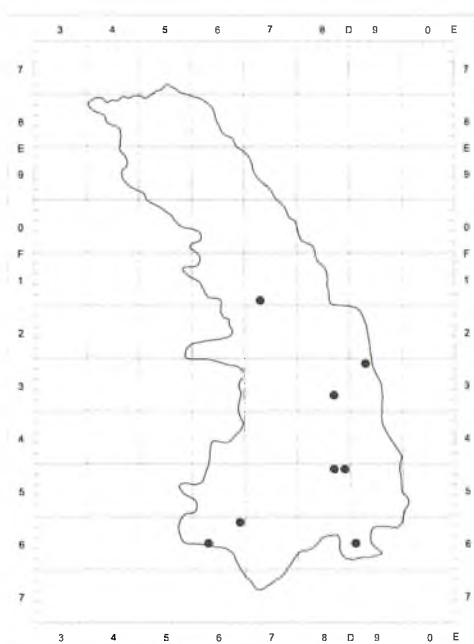
161. ** *Bidens frondosa* L.



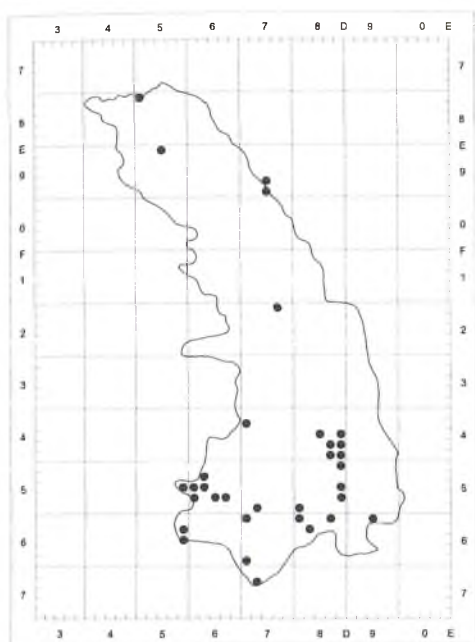
162. *Bidens tripartita* L.



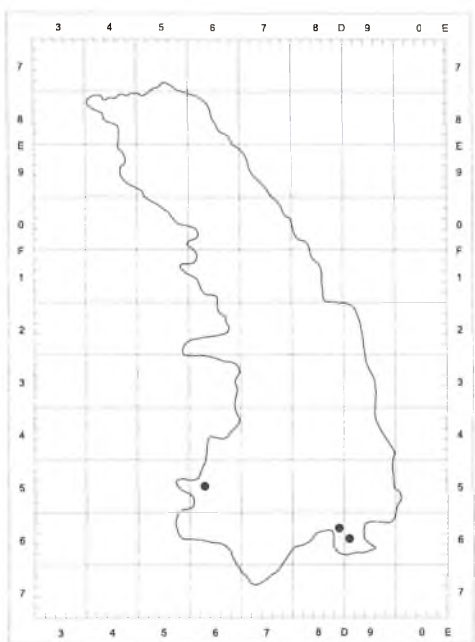
163. *Biscutella laevigata* L.



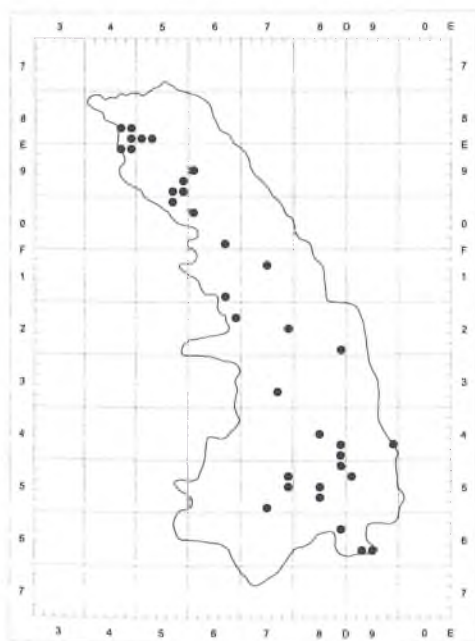
164. *Blechnum spicant* (L.) Roth



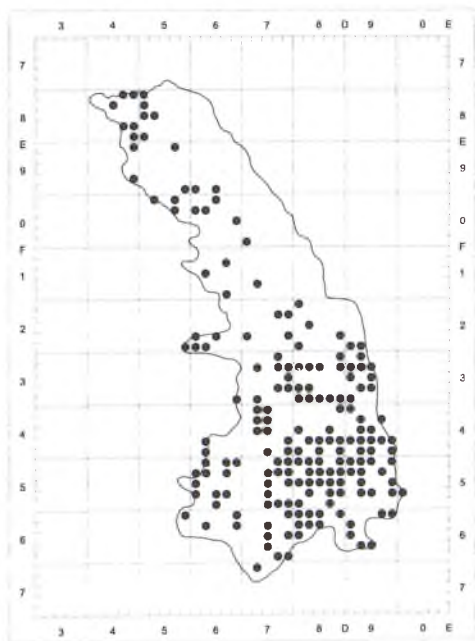
165. *Blymus compressus* (L.)
Panz. ex Link



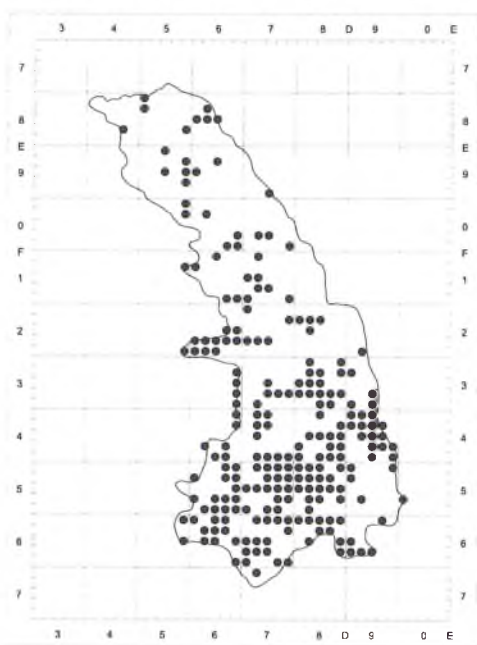
166. *Bolboschoenus maritimus* (L.) Palla



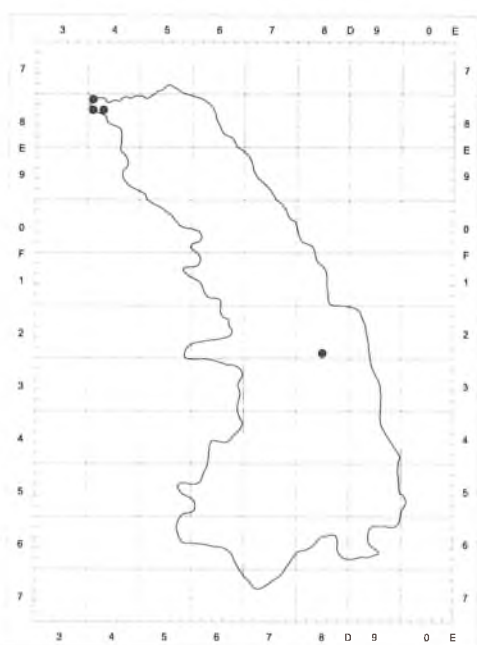
167. *Botrychium lunaria* (L.) Sw.



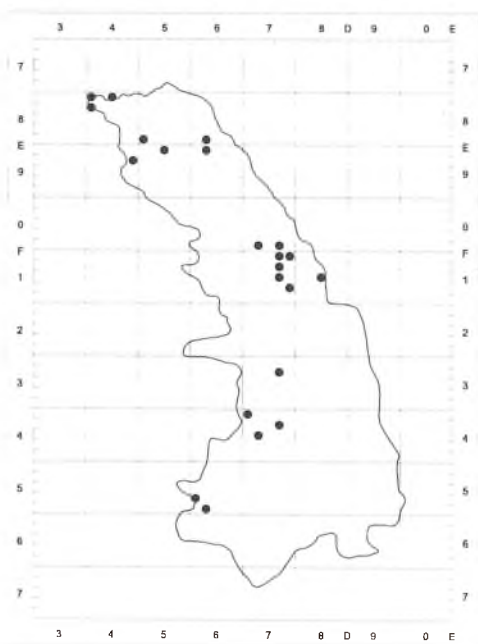
168. *Brachypodium pinnatum* (L.)
P. Beauv.



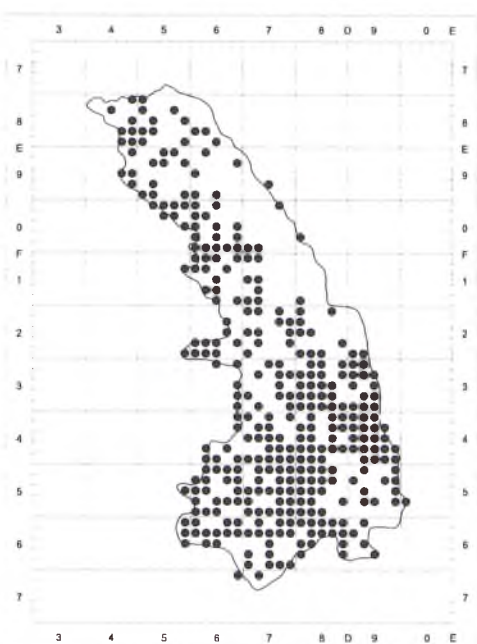
169. *Brachypodium sylvaticum* (Huds.)
P. Beauv.



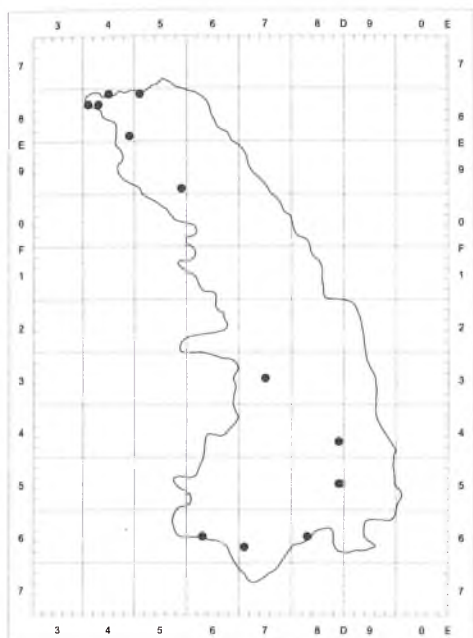
170. ** *Brassica nigra* (L.)
W. D. J. Koch



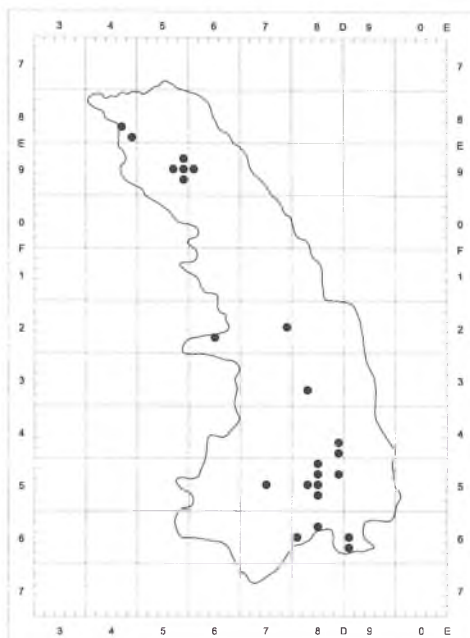
171. ** *Brassica rapa* L. subsp. *rapa*



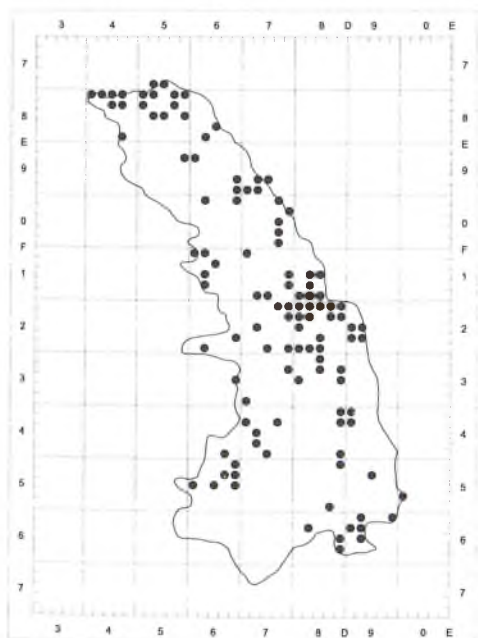
172. *Briza media* L.



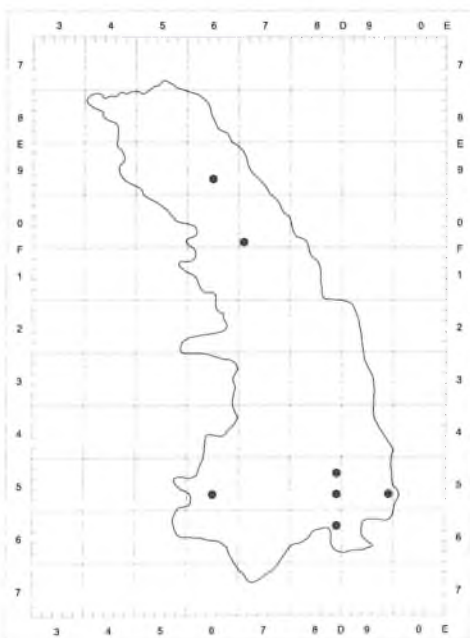
173. * *Bromus arvensis* L.



174. *Bromus benekenii* (Lange) Trimen



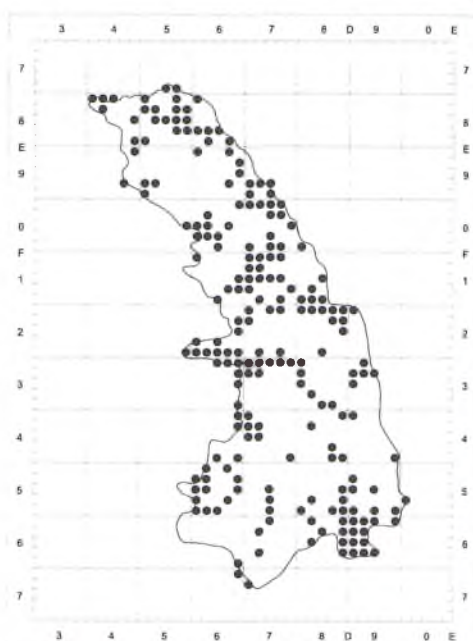
175. ** *Bromus carinatus* Hook. & Arn.



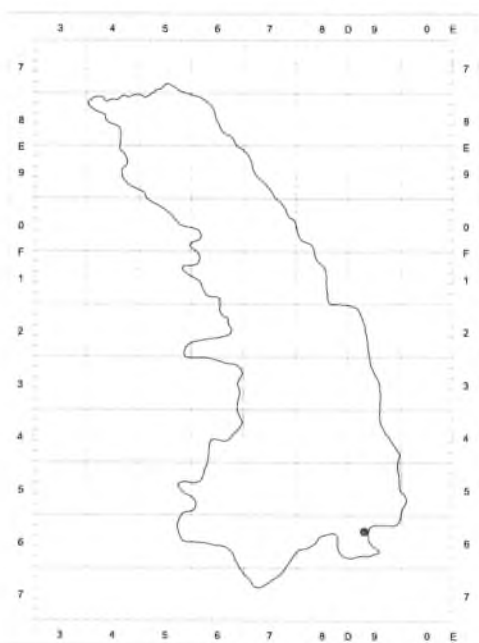
176. *Bromus erectus* Huds.



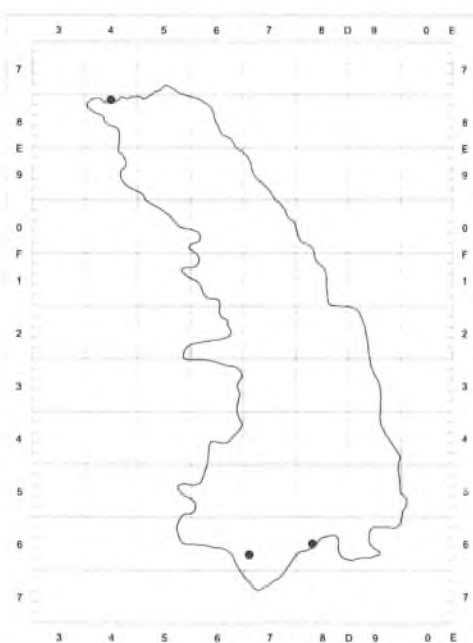
177. *Bromus hordeaceus* L.



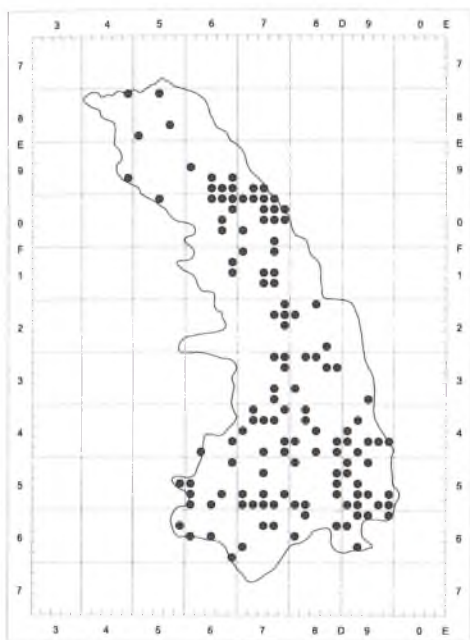
178. [*] *Bromus inermis* Leyss.



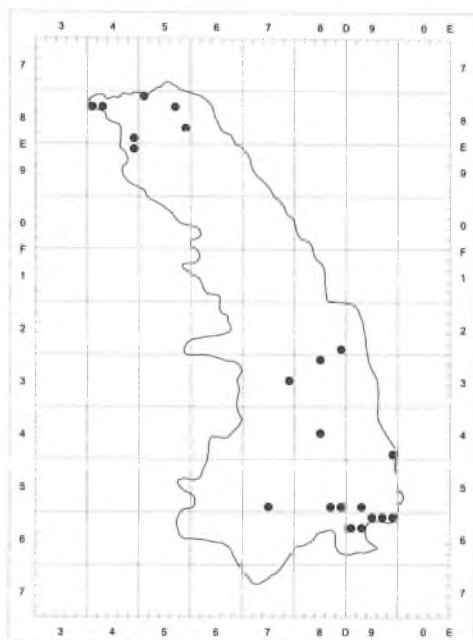
179. ** *Bromus japonicus* Thunb.
ex Murr



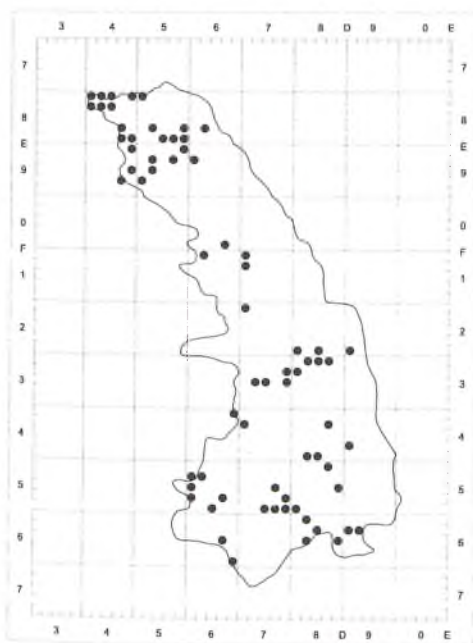
180. *Bromus racemosus* L.



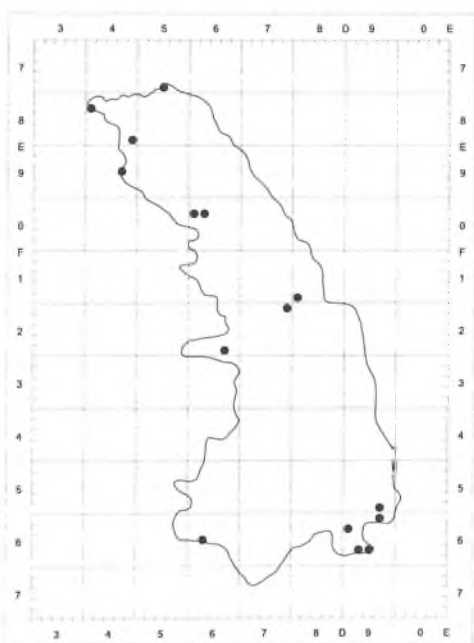
181. * *Bromus secalinus* L.



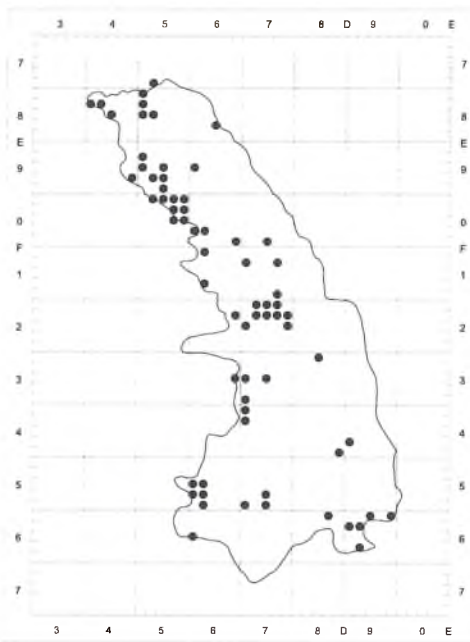
182. * *Bromus sterilis* L.



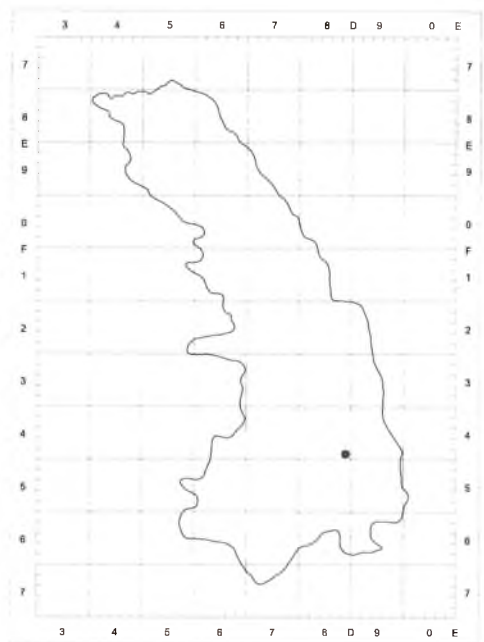
183. * *Bromus tectorum* L.



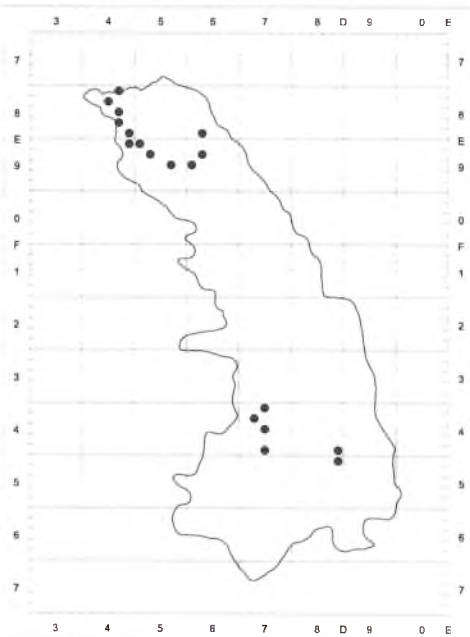
184. ** *Bryonia alba* L.



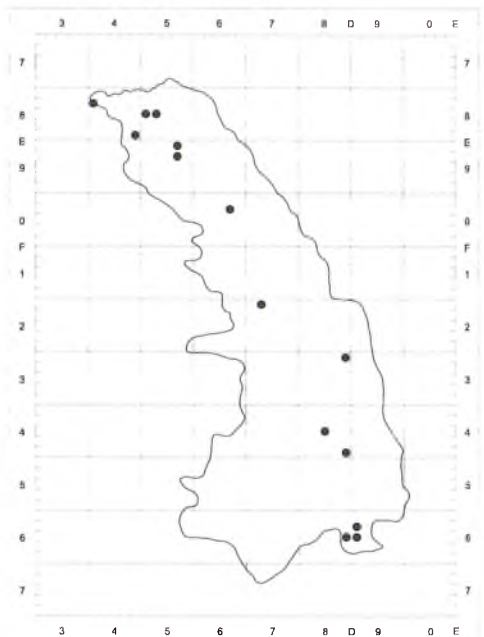
185. ** *Bunias orientalis* L.



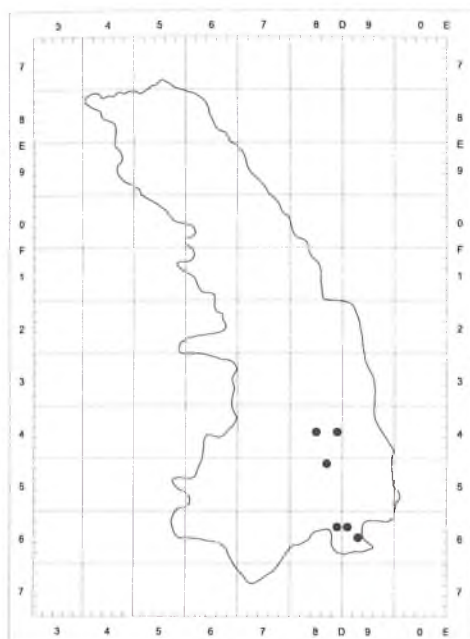
186. + *Bupleurum falcatum* L.



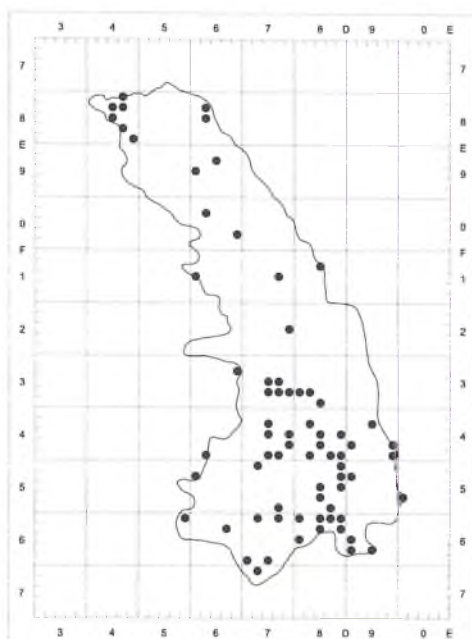
187. *Bupleurum longifolium* L.



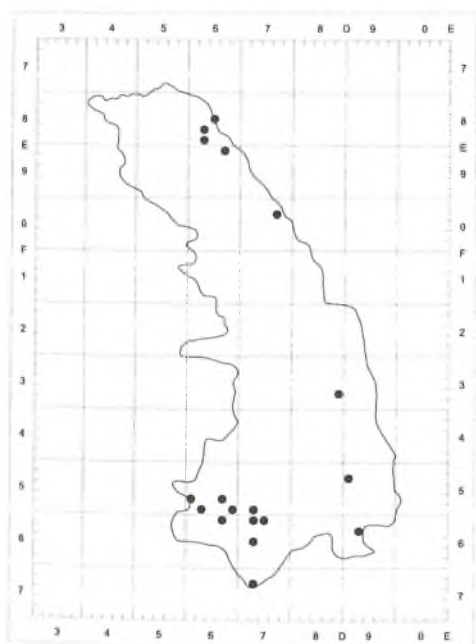
188. * *Bupleurum rotundifolium* L.



189. *Butomus umbellatus* L.



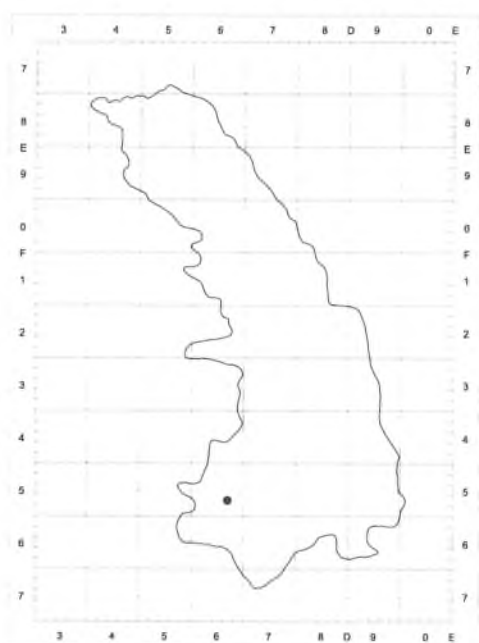
190. *Calamagrostis arundinacea* (L.)
Roth



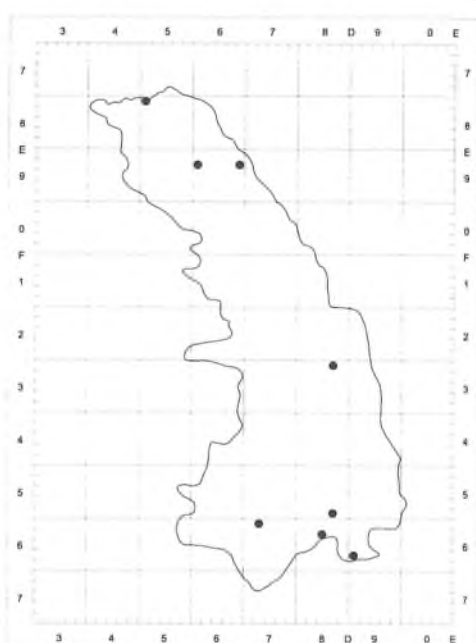
191. *Calamagrostis canescens* (Weber)
Roth



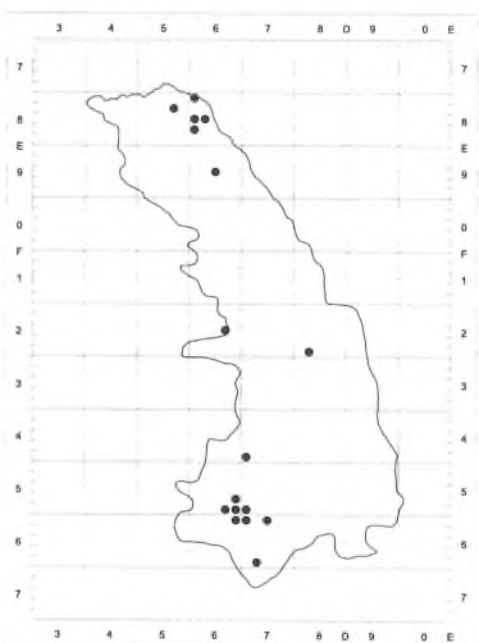
192. *Calamagrostis epigejos* (L.) Roth



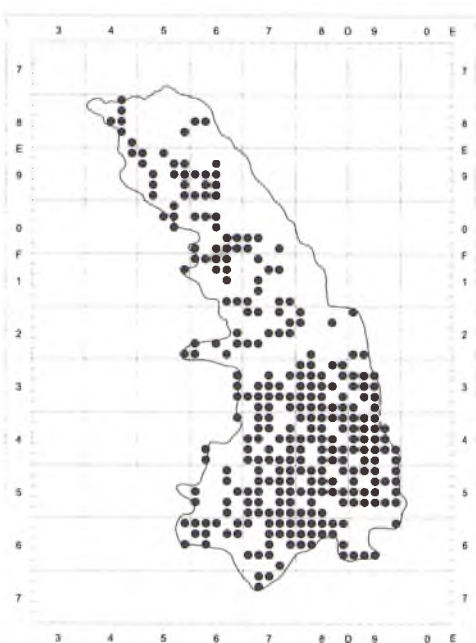
193. *Calamagrostis* $\times$ *hartmaniana* Fries



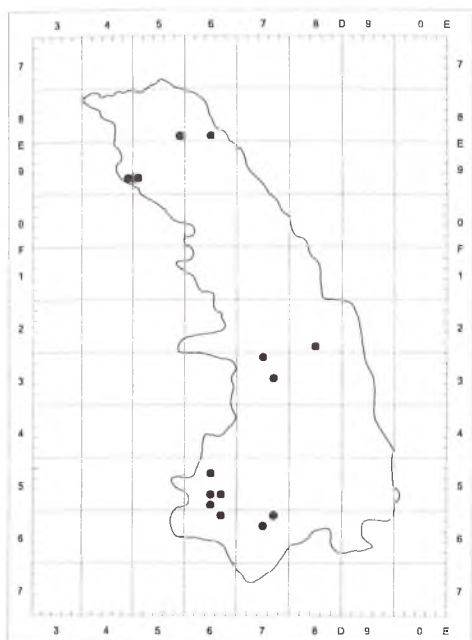
194. *Calamagrostis stricta* (Timm)
Koeler



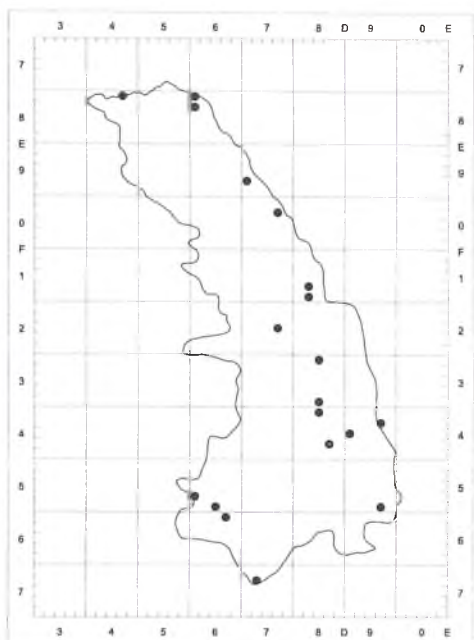
195. *Calamagrostis villosa* (Chaix)
J. F. Gmel.



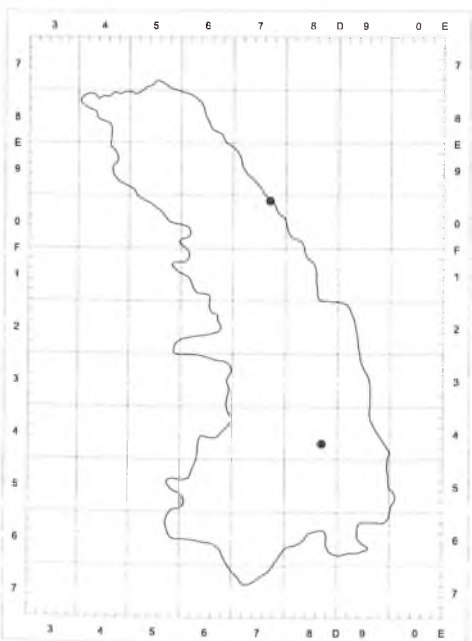
196. *Calamintha vulgaris* (L.) Druce



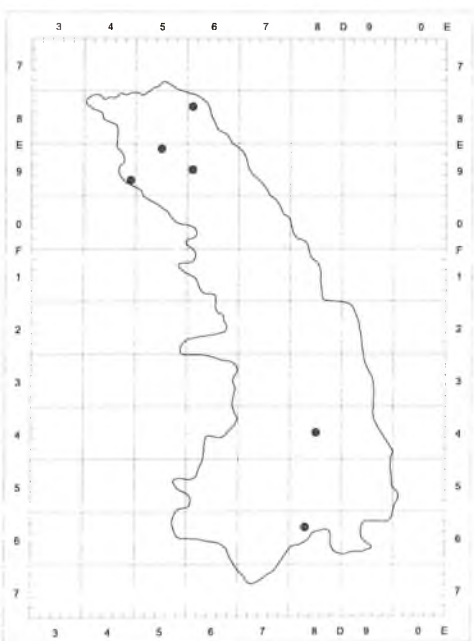
197. *Calla palustris* L.



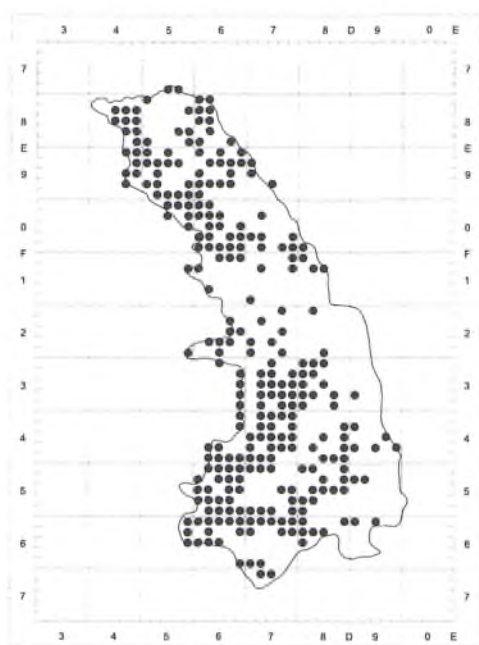
198. *Callitriche cophocarpa* Sendtn.



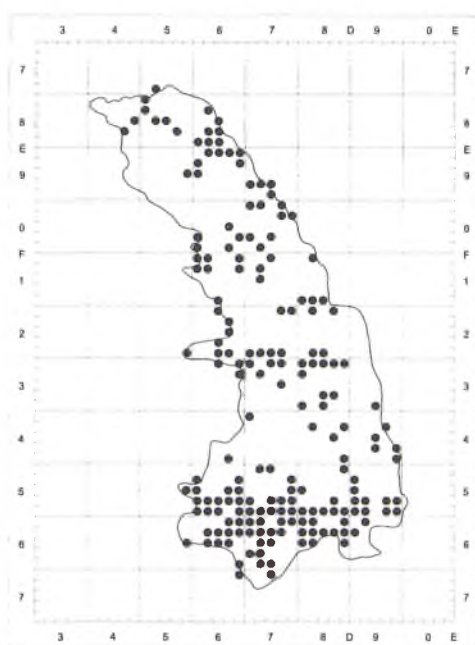
199. *Callitriche hamulata*
Kütz. ex W. D. J. Koch



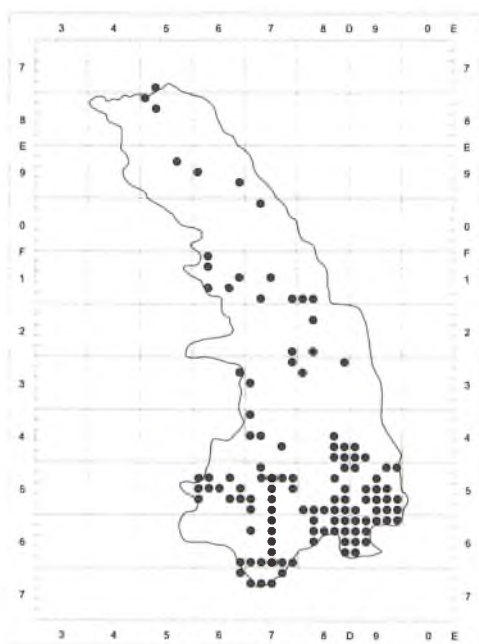
200. *Callitriche verna* L. emend.
Lönnr. s. str.



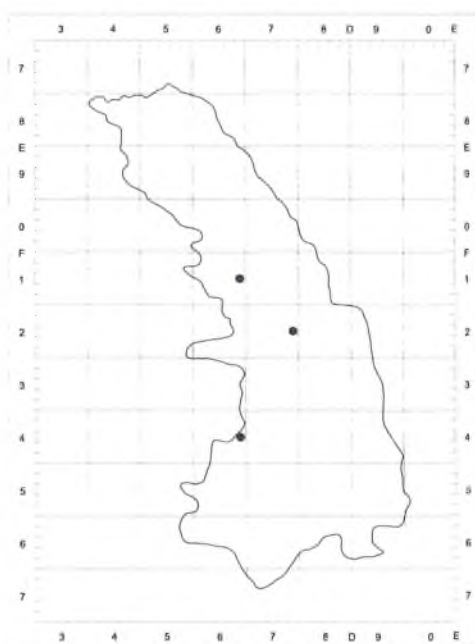
201. *Calluna vulgaris* (L.) Hull



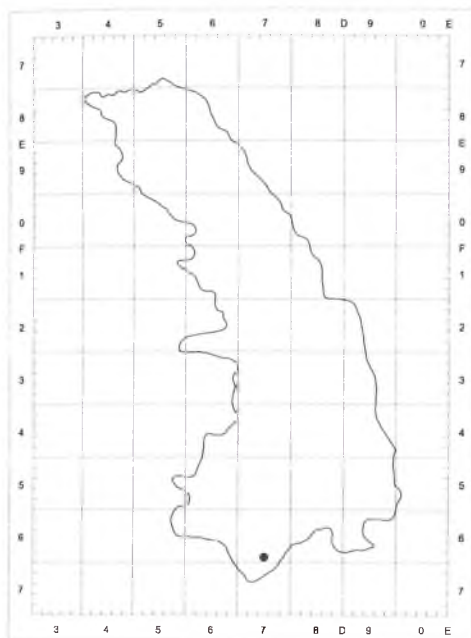
202. *Caltha palustris* L.



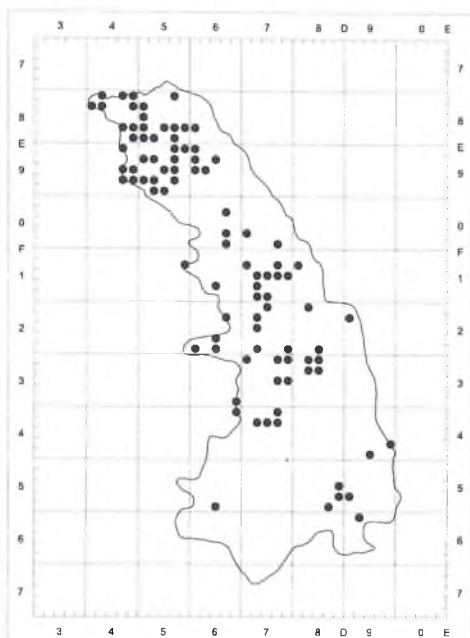
203. *Calystegia sepium* (L.) R. Br.



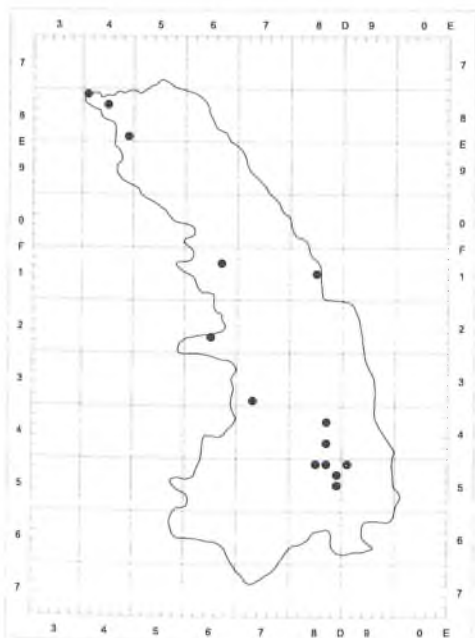
204. ** *Calystegia sylvatica* (Kit.) Griseb.



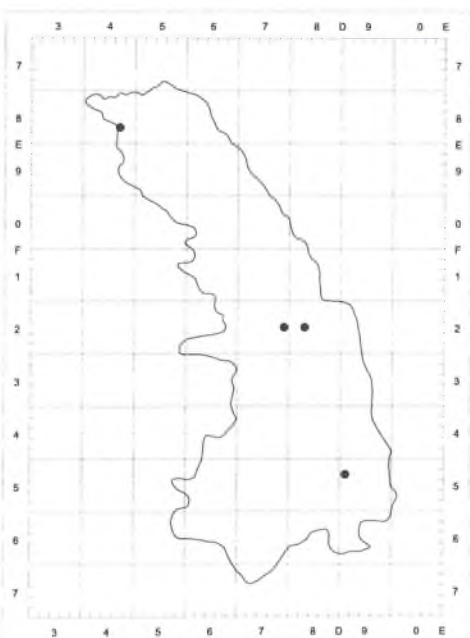
205. + * *Camelina alyssum* (Mill.)
Thell.



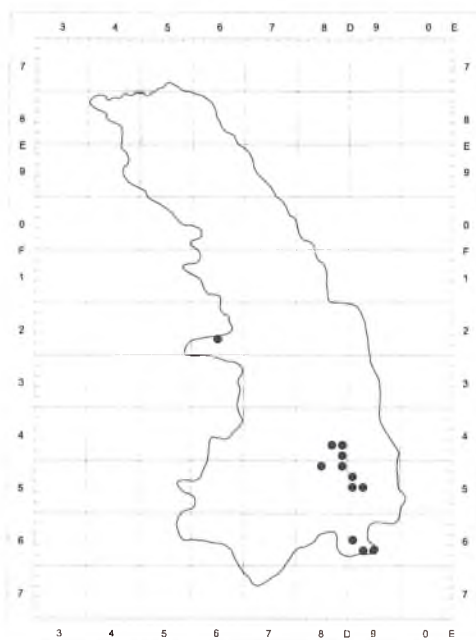
206. * *Camelina microcarpa* Andrż
subsp. *sylvestris* (Wallr.) Hiitonen



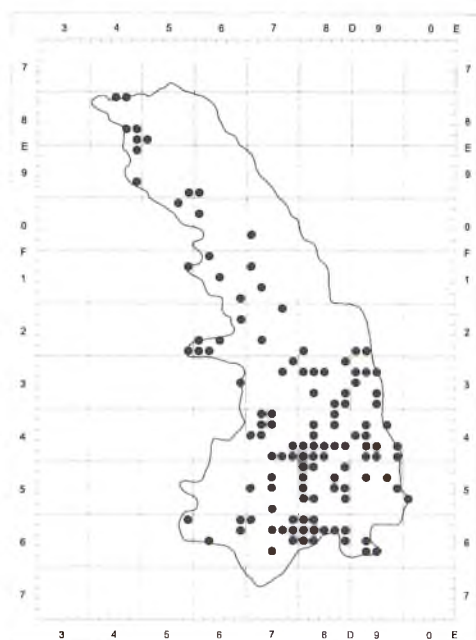
207. * *Camelina sativa* (L.) Crantz



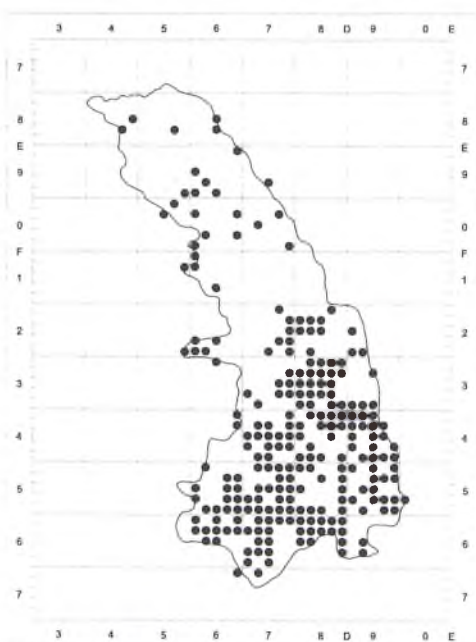
208. *Campanula bononiensis* L.



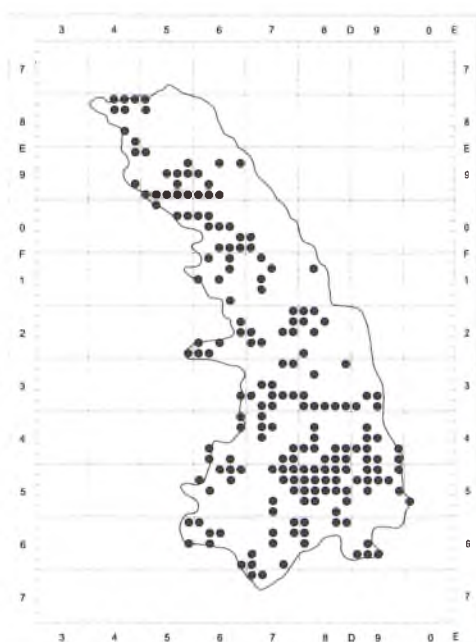
209. *Campanula cervicaria* L.



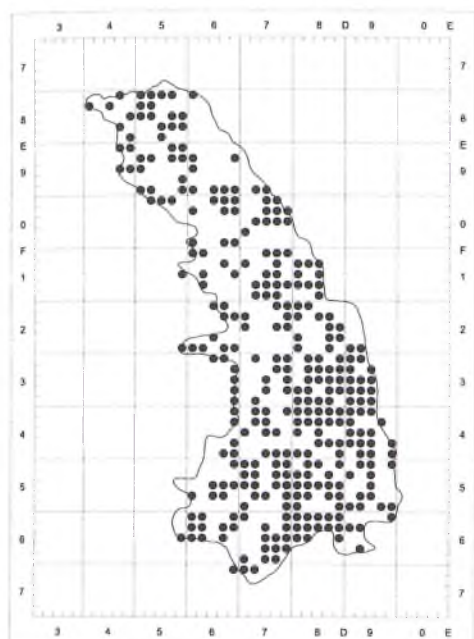
210. *Campanula glomerata* L.



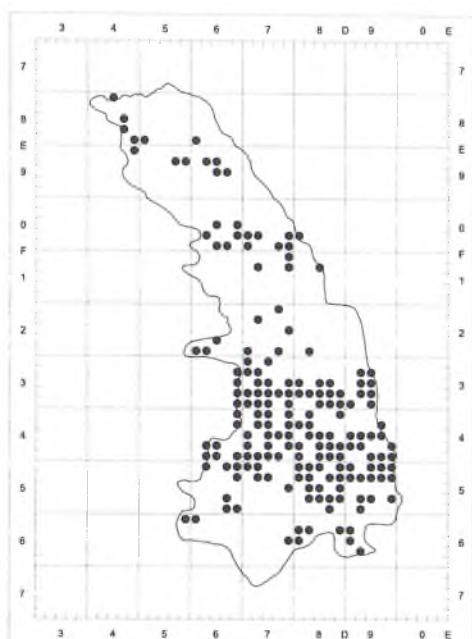
211. *Campanula patula* L. s. str.



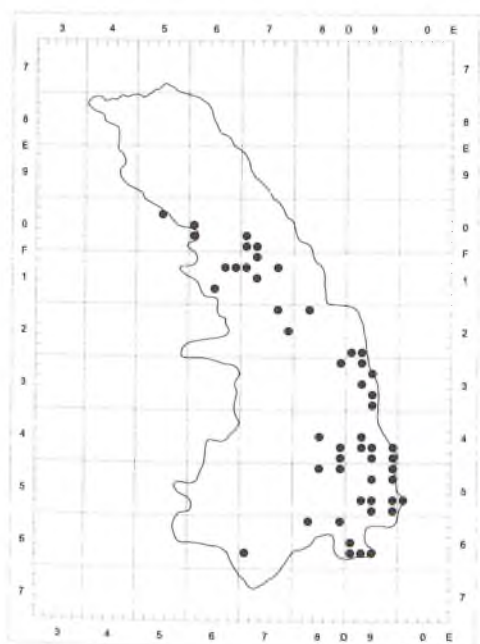
212. *Campanula persicifolia* L.



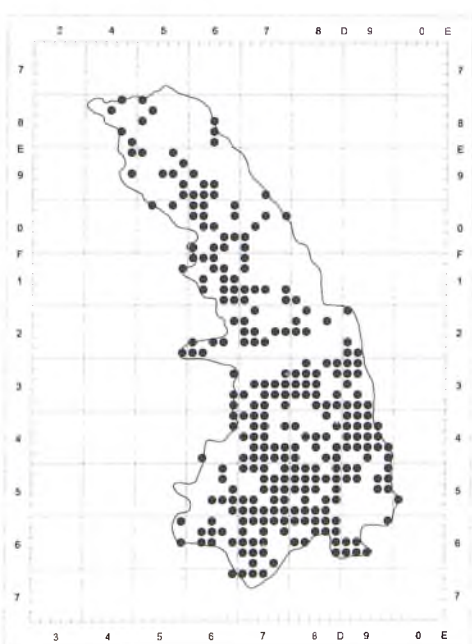
213. *Campanula rapunculoides* L.



214. *Campanula rotundifolia* L.



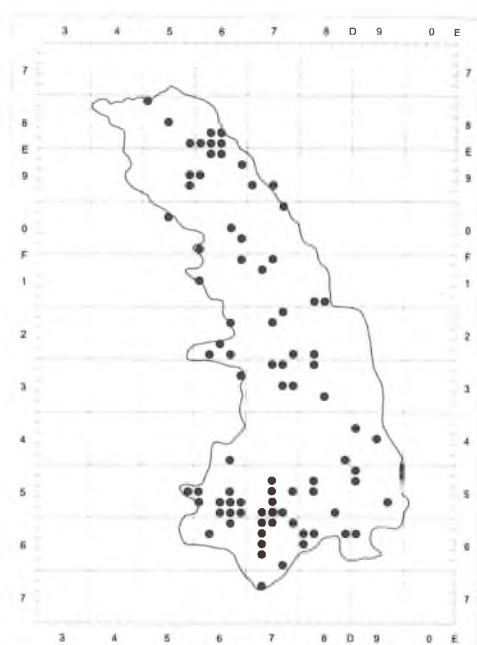
215. *Campanula sibirica* L.



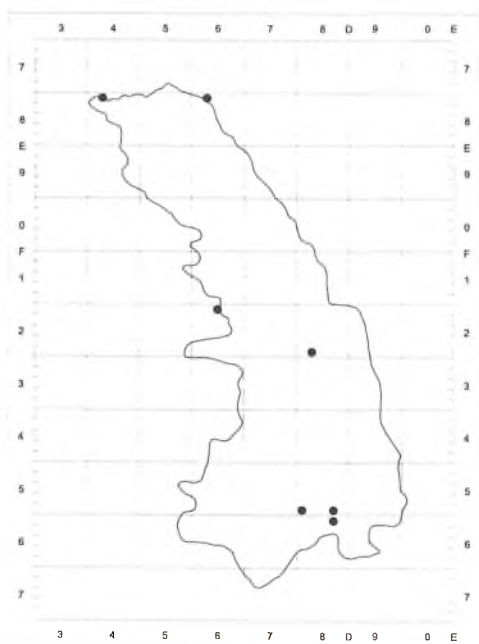
216. *Campanula trachelium* L.



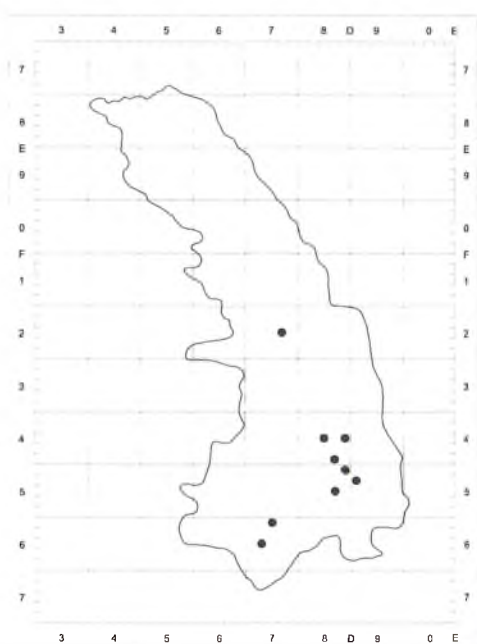
217. * *Capsella bursa-pastoris* (L.)
Medik.



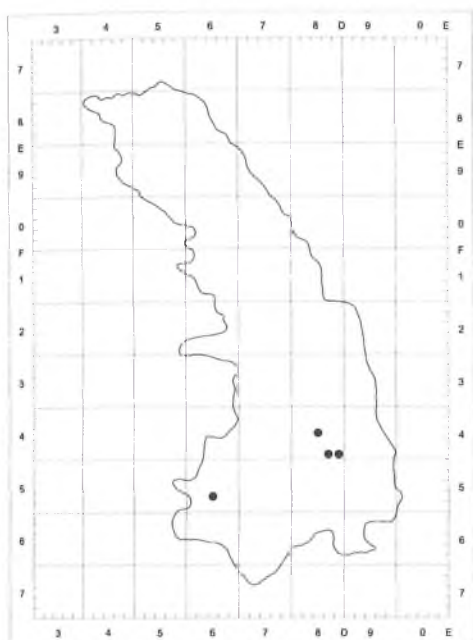
218. *Cardamine amara* L.



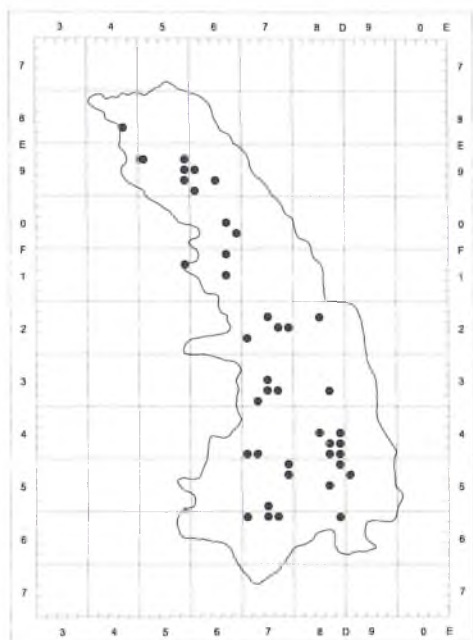
219. *Cardamine dentata* Schult.



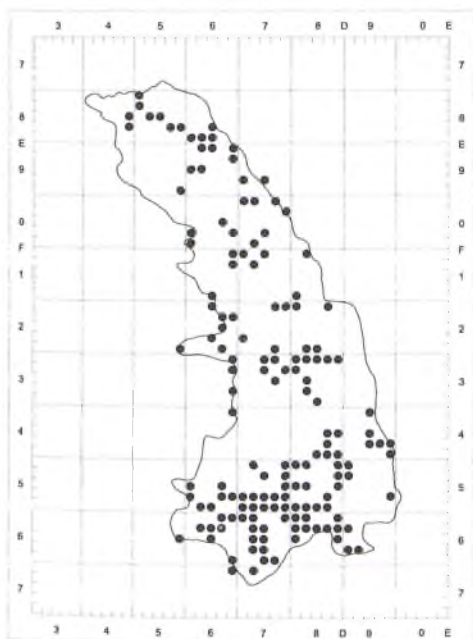
220. *Cardamine flexuosa* With.



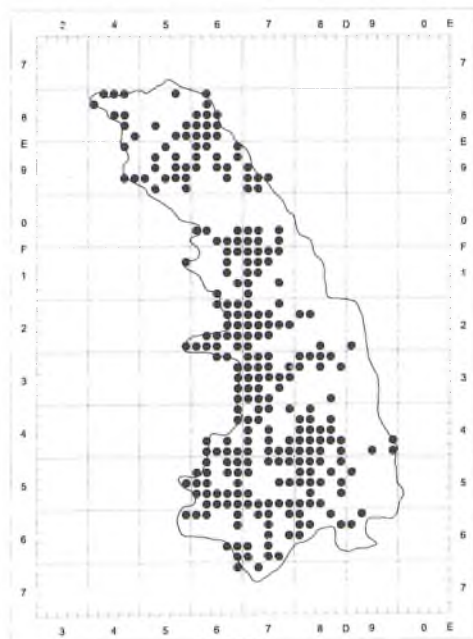
221. *Cardamine hirsuta* L.



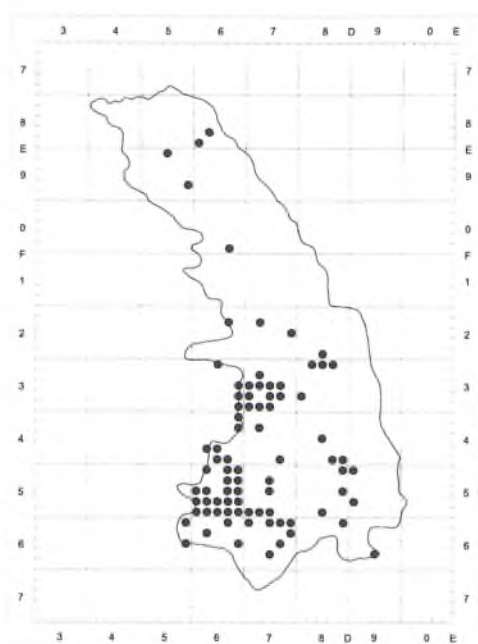
222. *Cardamine impatiens* L.



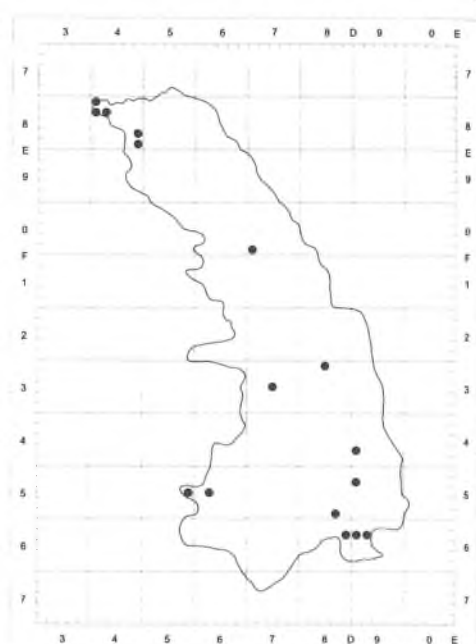
223. *Cardamine pratensis* L. s. str.



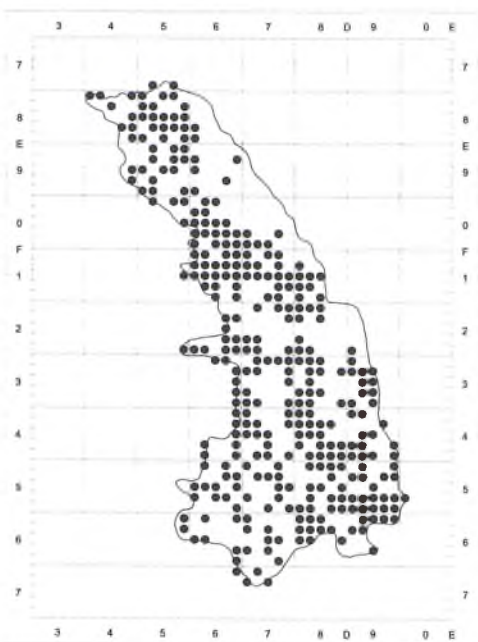
224. *Cardaminopsis arenosa* (L.) Hayek



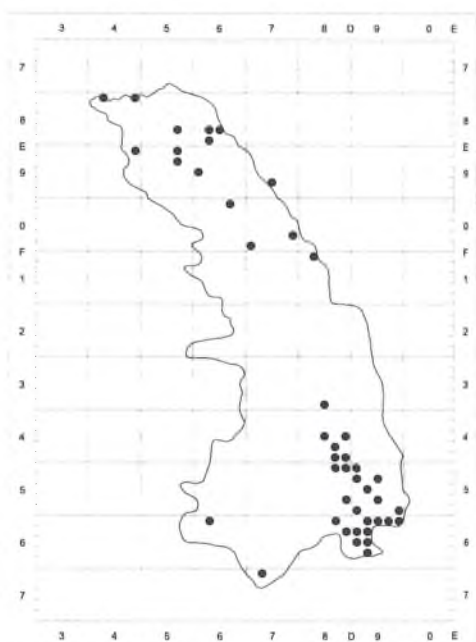
225. *Cardaminopsis halleri* (L.) Hayek



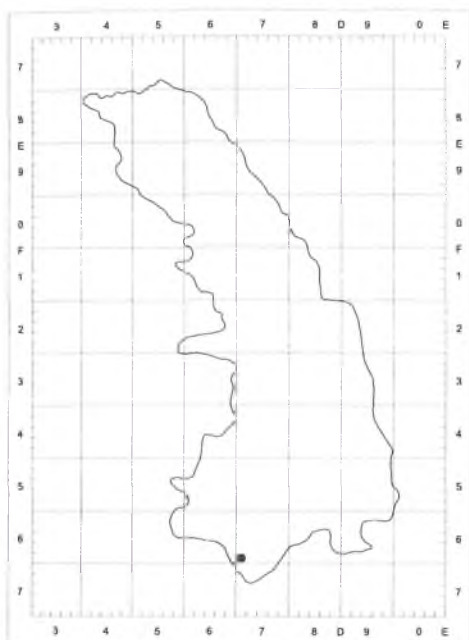
226. ** *Cardaria draba* (L.) Desv.



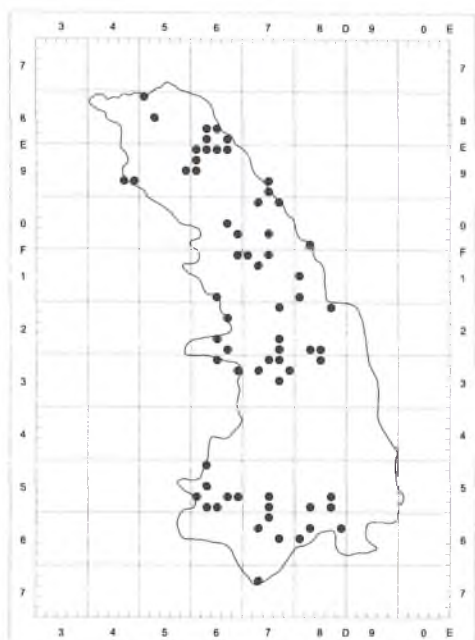
227. * *Carduus acanthoides* L.



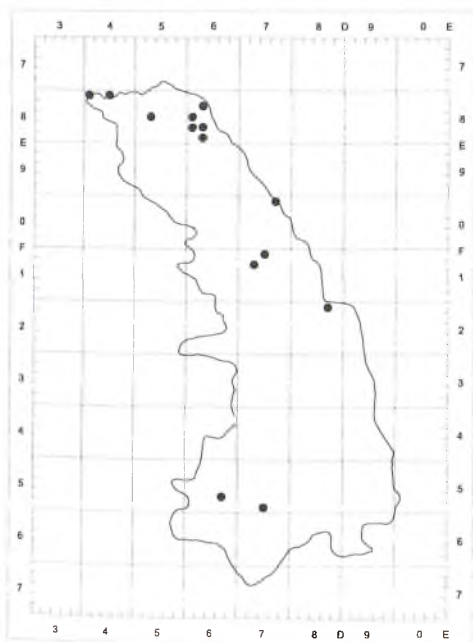
228. *Carduus crispus* L.



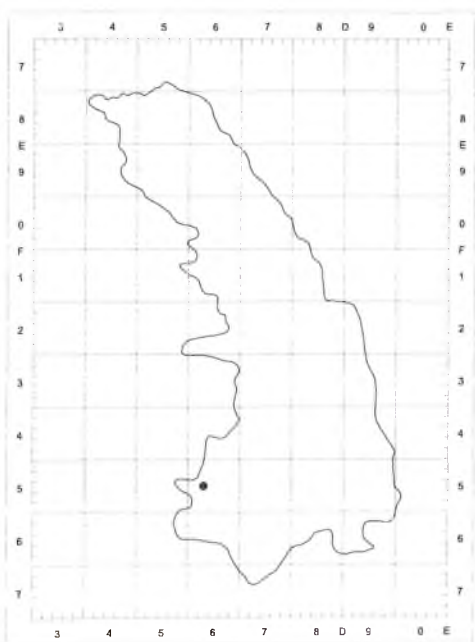
229. + * *Carduus nutans* L.



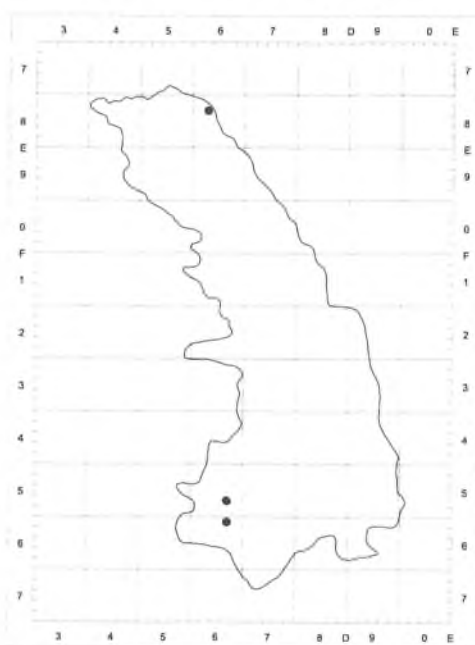
230. *Carex acutiformis* Ehrh.



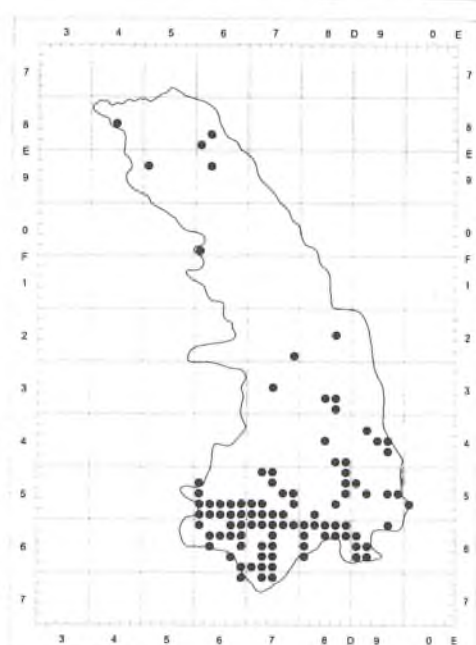
231. *Carex appropinquata* Schumach.



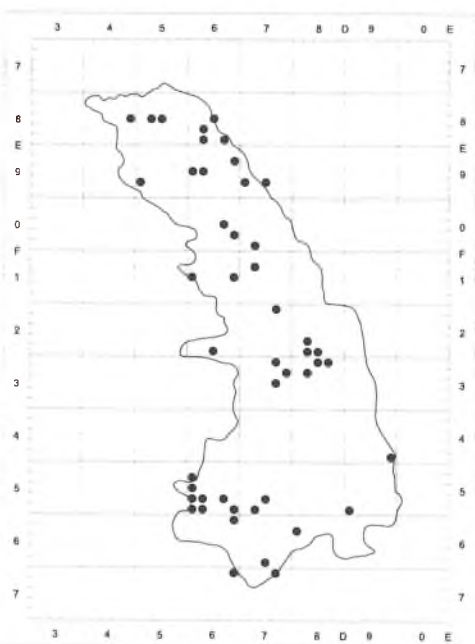
232. + *Carex arenaria* L.



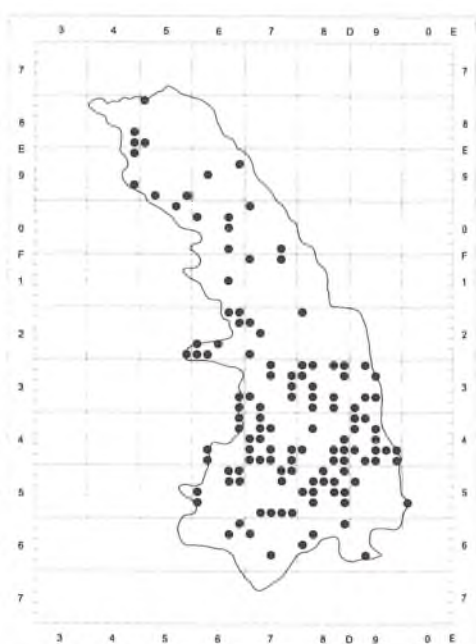
233. *Carex bohemica* Schreb.



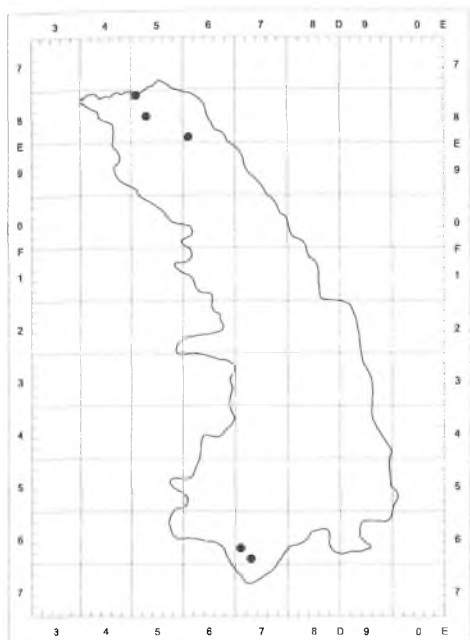
234. *Carex brizoides* L.



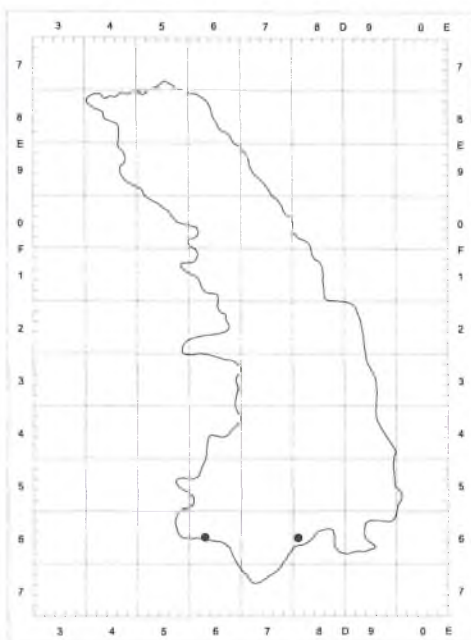
235. *Carex canescens* L.



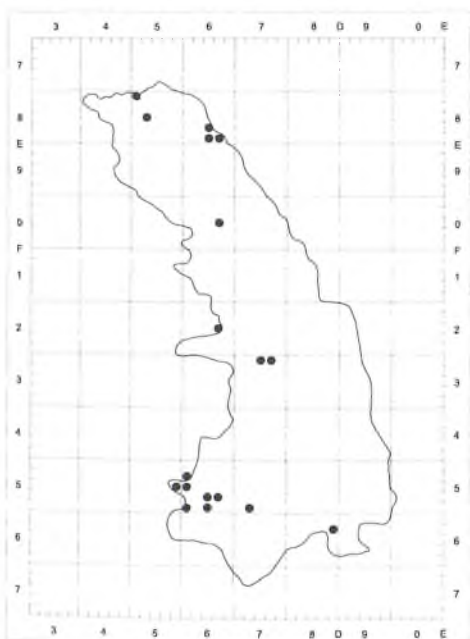
236. *Carex caryophyllea* Latourr.



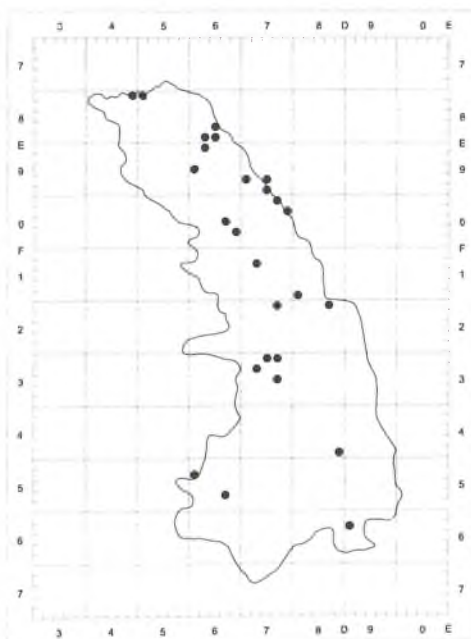
237. *Carex cespitosa* L.



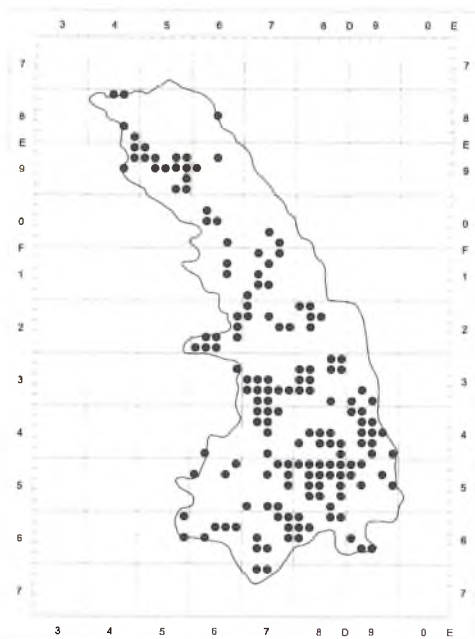
238. *Carex cuprina* (I. Sándor ex Heuff. Nendtv. ex A. Kern.



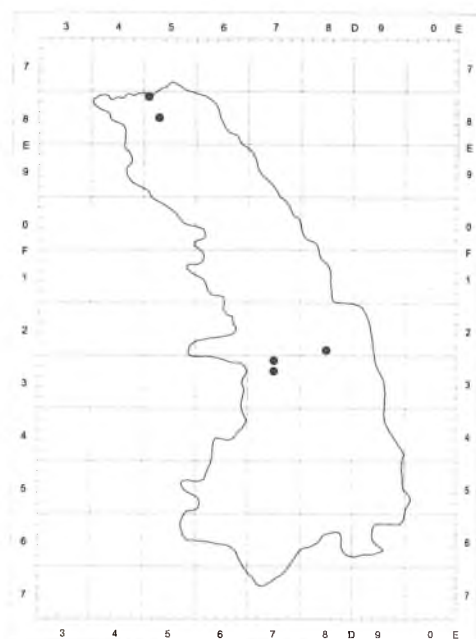
239. *Carex davalliana* Sm.



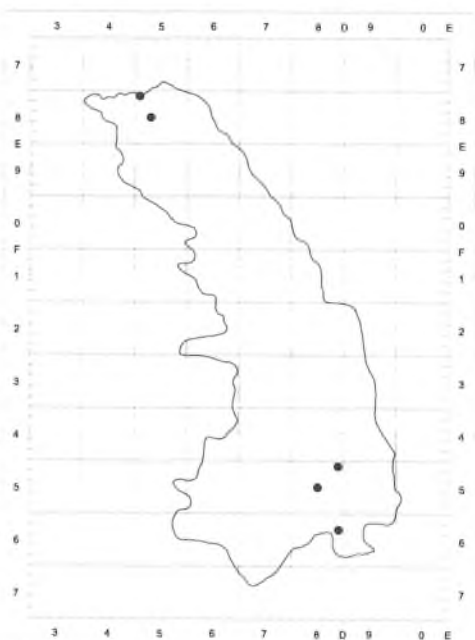
240. *Carex diandra* Schrank



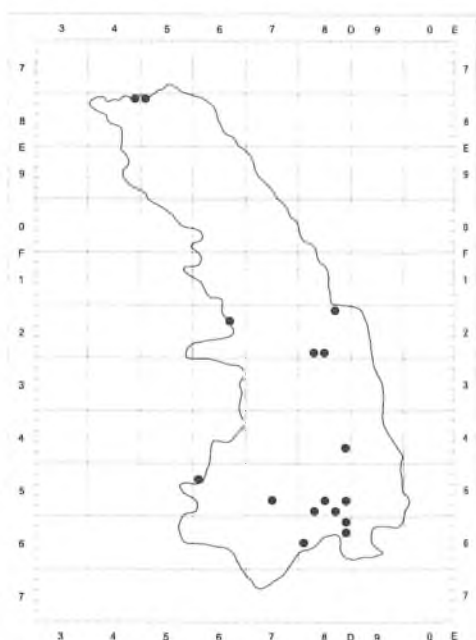
241. *Carex digitata* L.



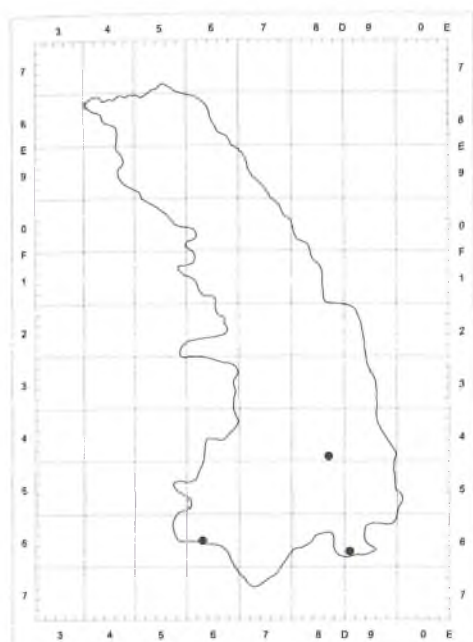
242. *Carex dioica* L.



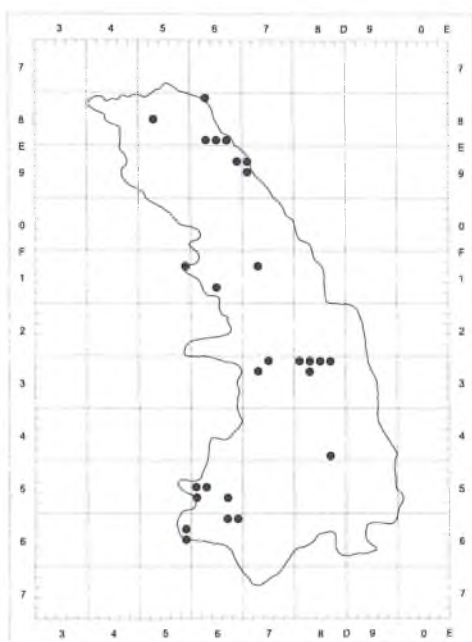
243. *Carex distans* L.



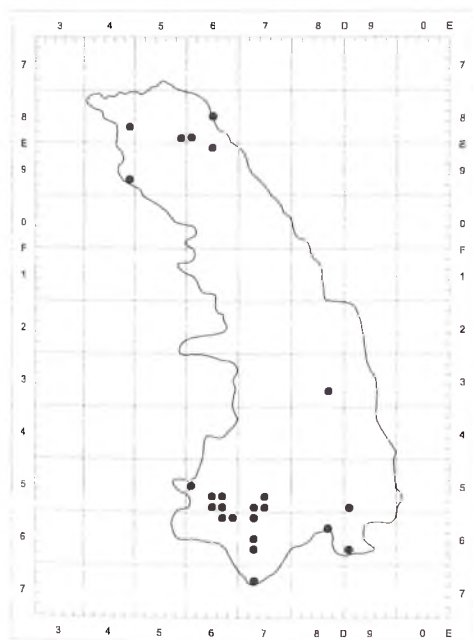
244. *Carex disticha* Huds.



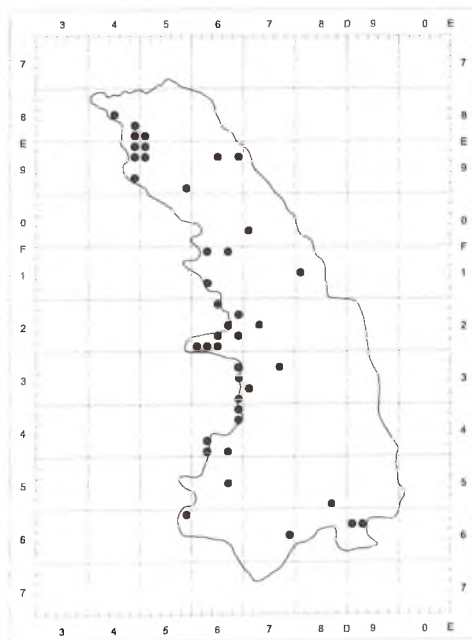
245. *Carex divulsa* Stokes



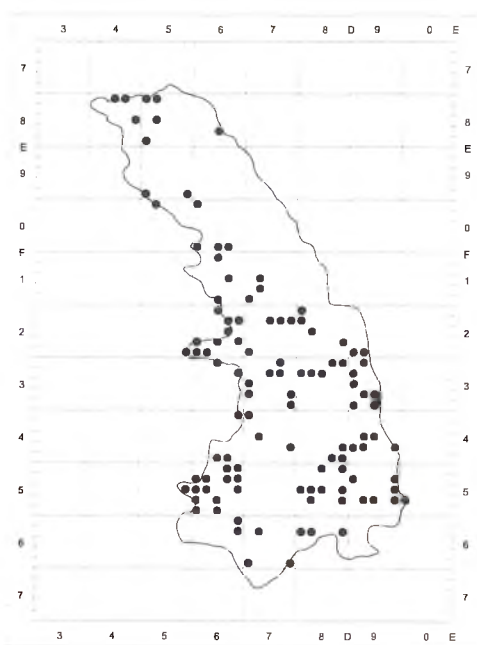
246. *Carex echinata* Murray



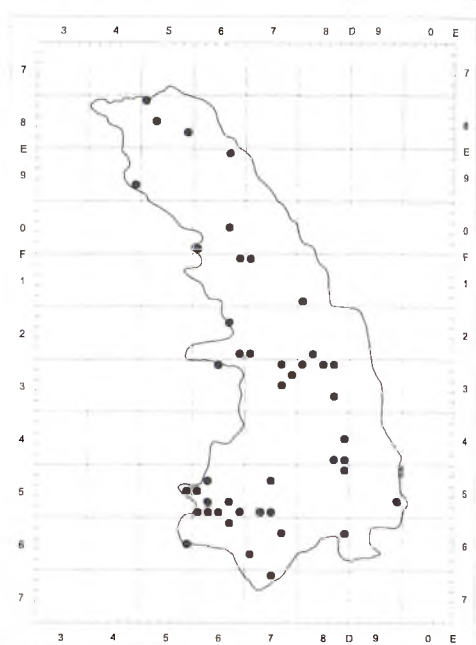
247. *Carex elongata* L.



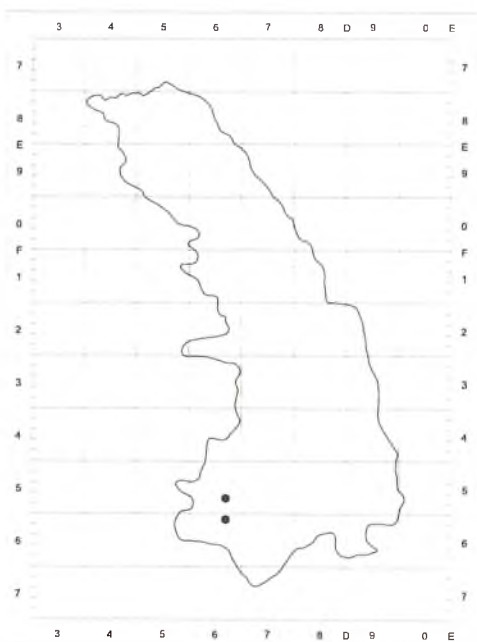
248. *Carex ericetorum* Pollich



249. *Carex flacca* Schreb.



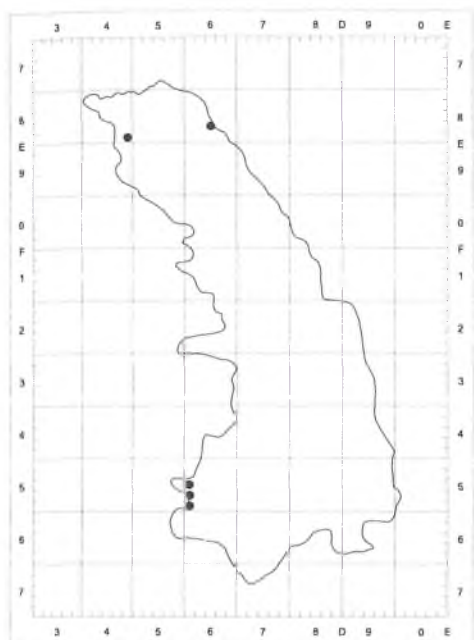
250. *Carex flava* L.



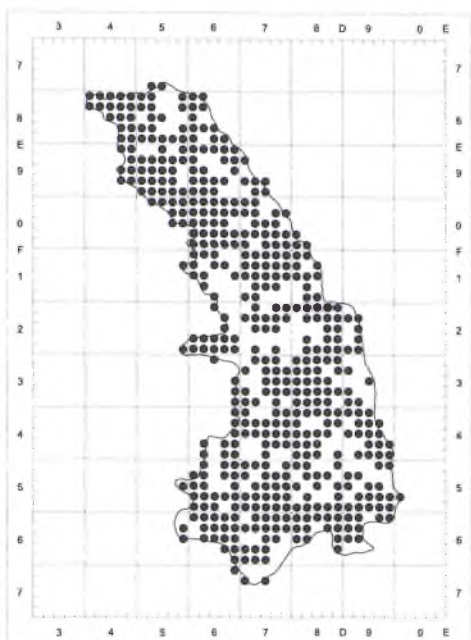
251. *Carex globularis* L.



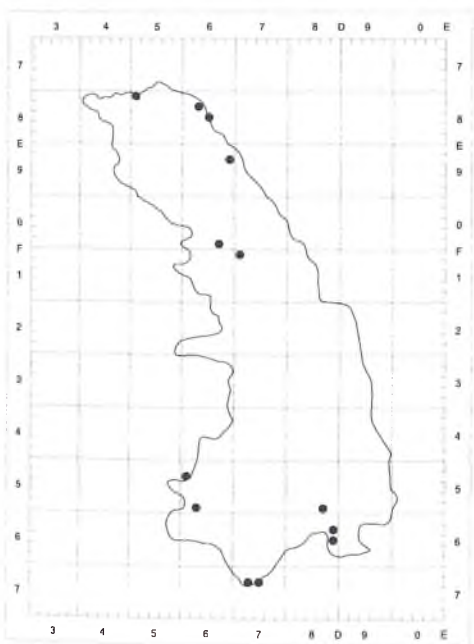
252. *Carex gracilis* Curtis



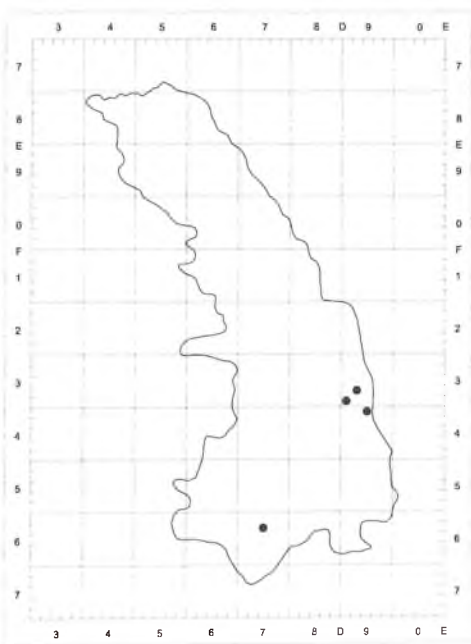
253. *Carex hartmannii* Cajander



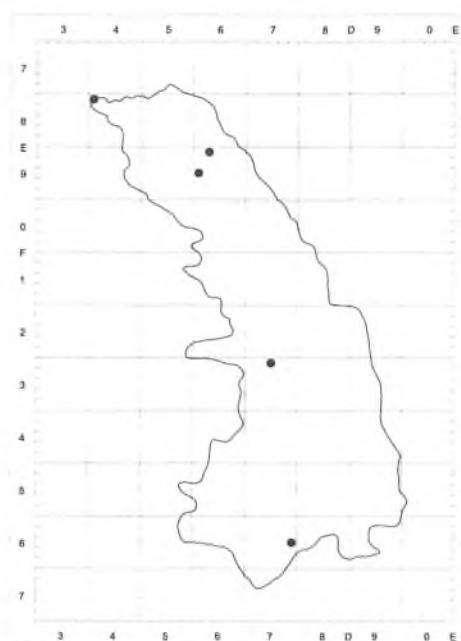
254. *Carex hirta* L.



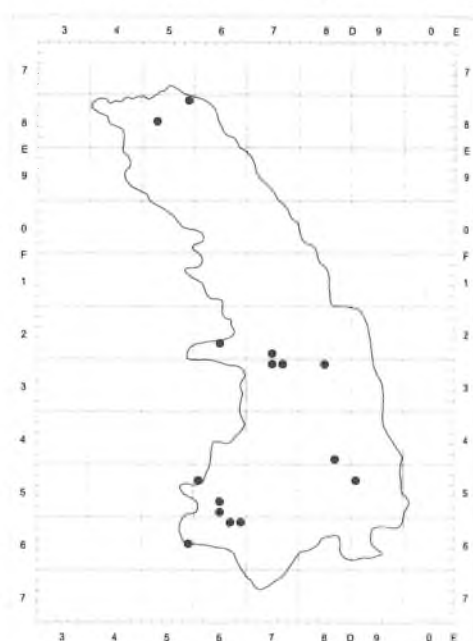
255. *Carex elata* All.



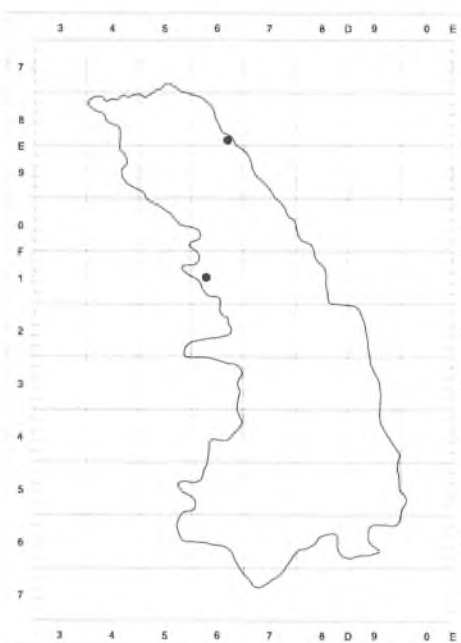
256. *Carex humilis* Leyss.



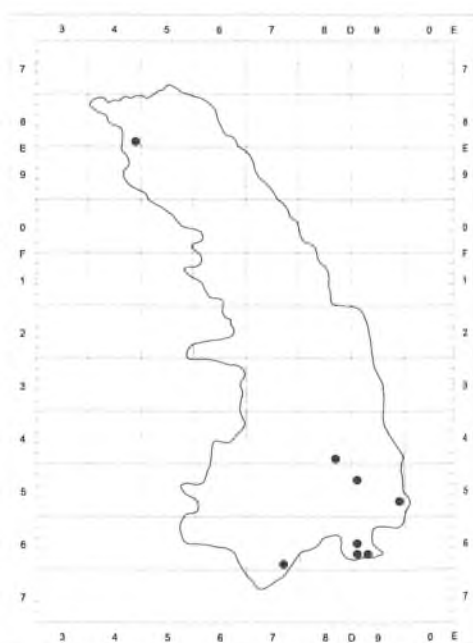
257. *Carex lasiocarpa* Ehrh.



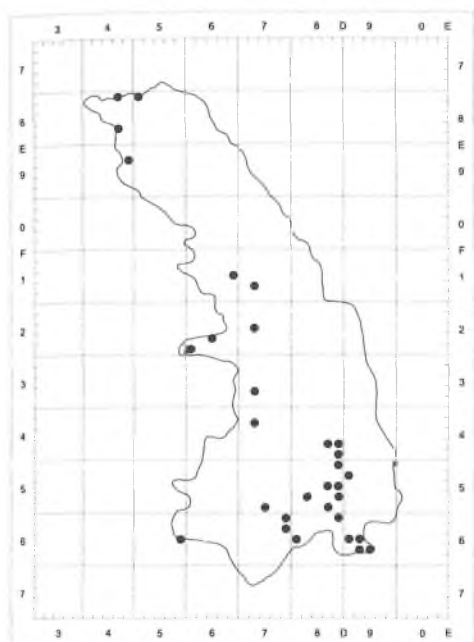
258. *Carex lepidocarpa* Tausch



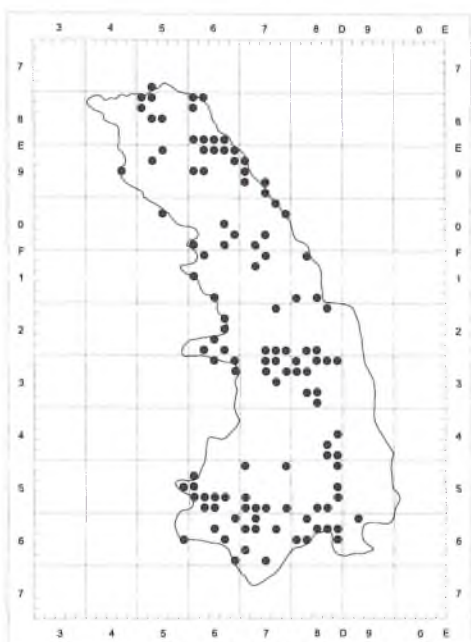
259. *Carex limosa* L.



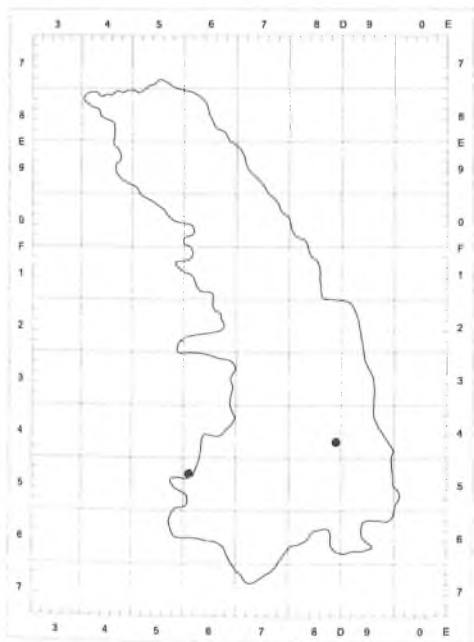
260. *Carex michelii* Host



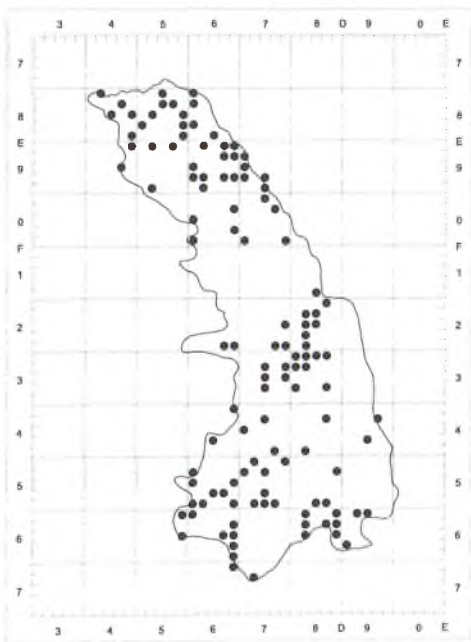
261. *Carex montana* L.



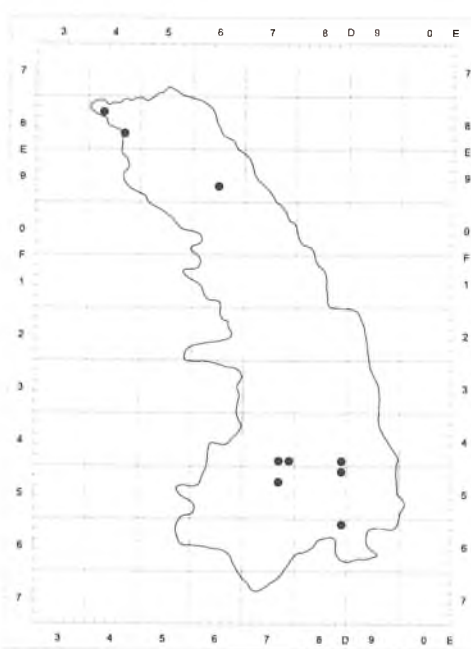
262. *Carex nigra* Reichard



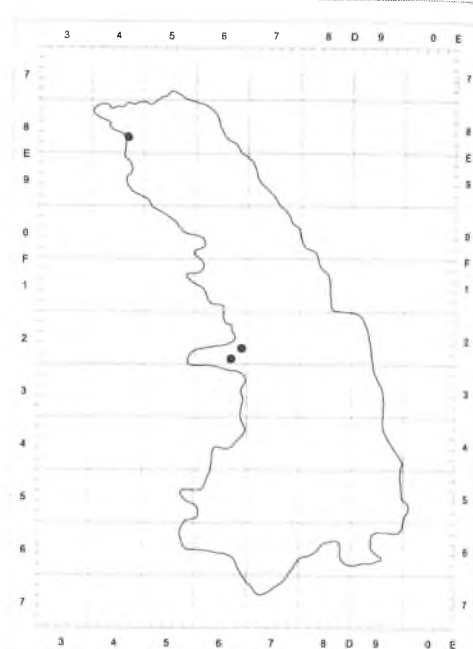
263. *Carex ornithopoda* Willd.



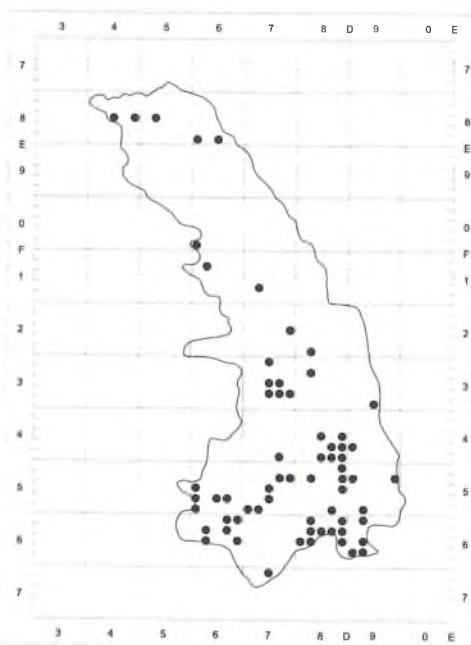
264. *Carex ovalis* Gooden.



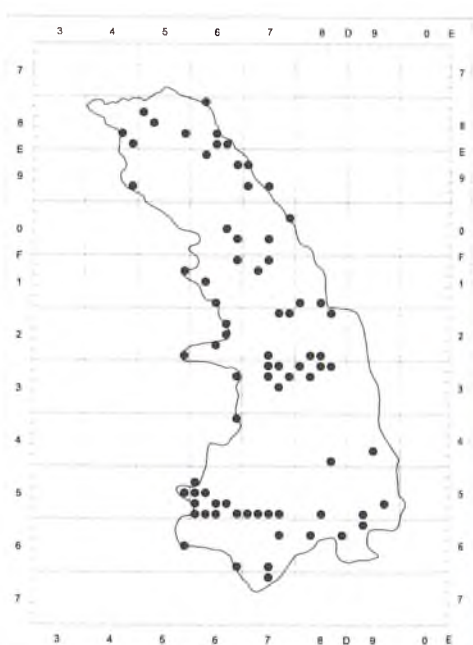
265. *Carex pairae* F. W. Schultz



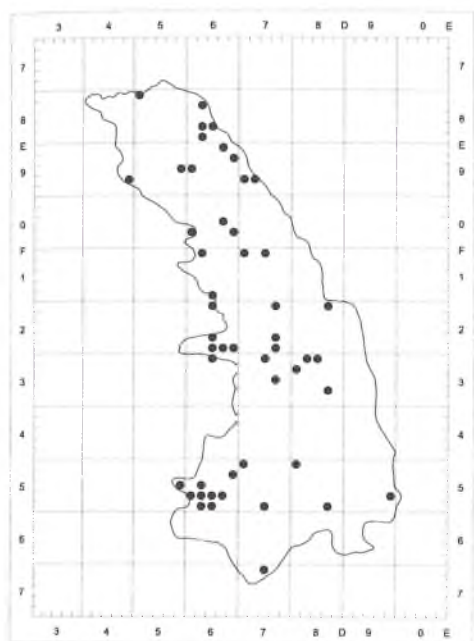
266. *Carex pallens* (Fristed) Harmaja



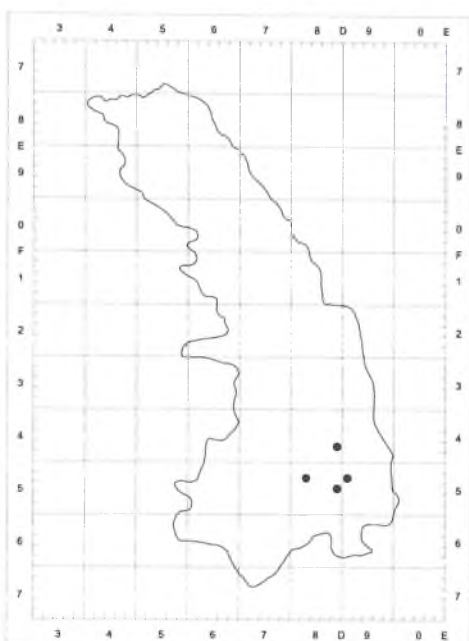
267. *Carex pallescens* L.



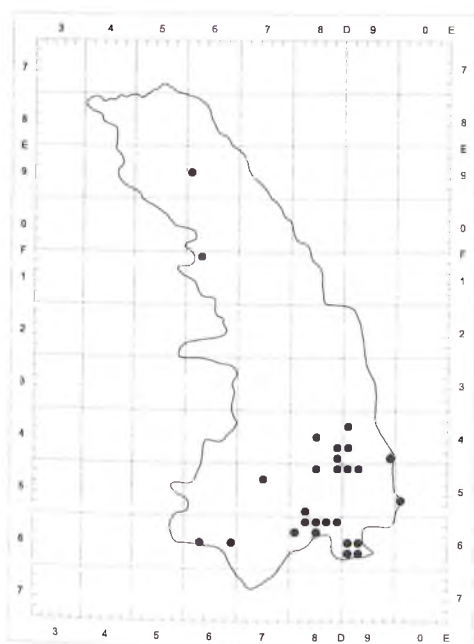
268. *Carex panicea* L.



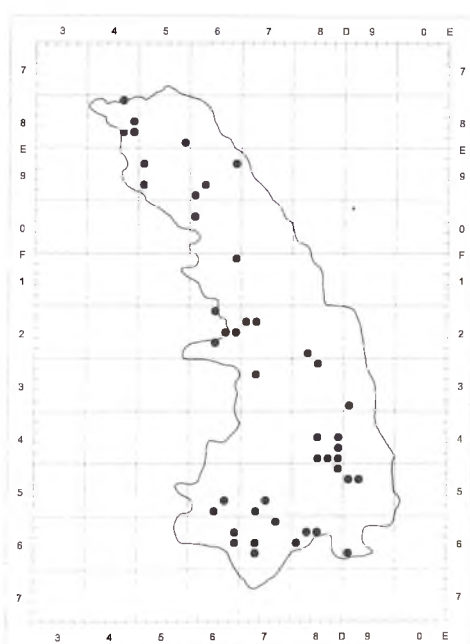
269. *Carex paniculata* L.



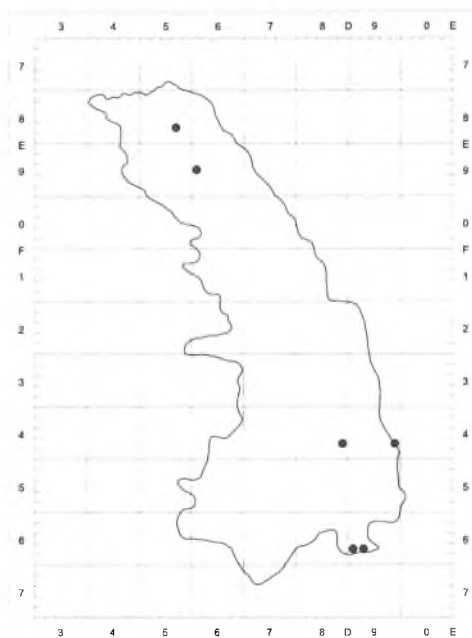
270. *Carex pediformis* C. A. Mey.



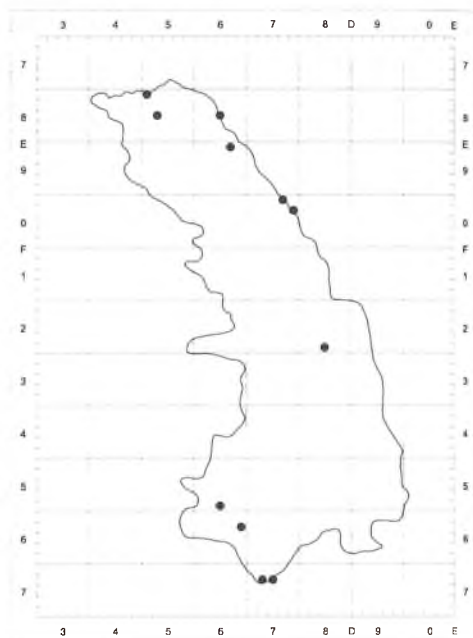
271. *Carex pilosa* Scop.



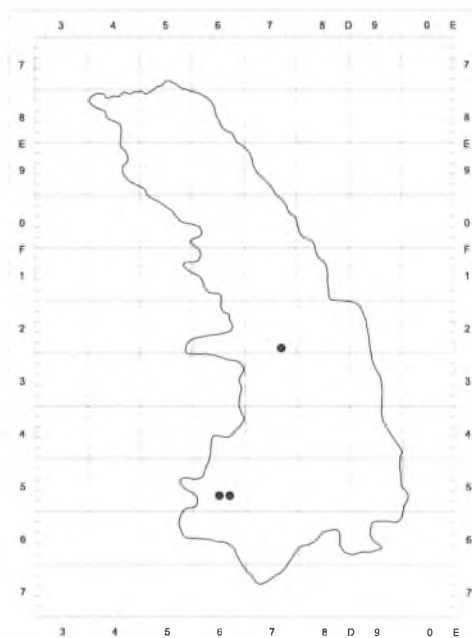
272. *Carex pilulifera* L.



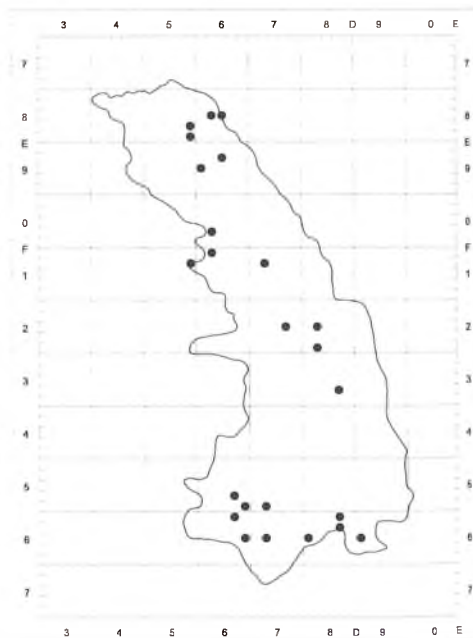
273. *Carex praecox* Schreb.



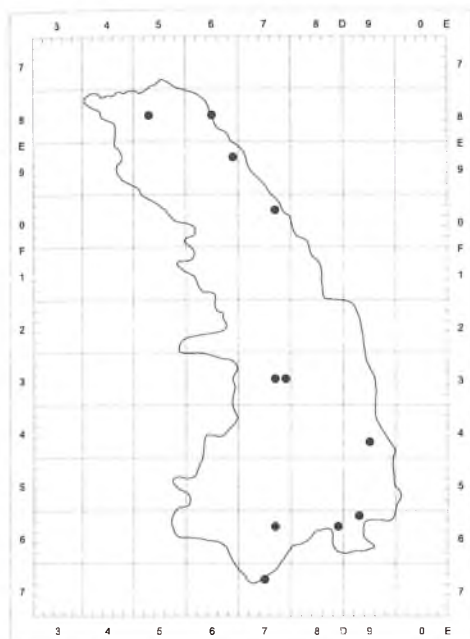
274. *Carex pseudocyperus* L.



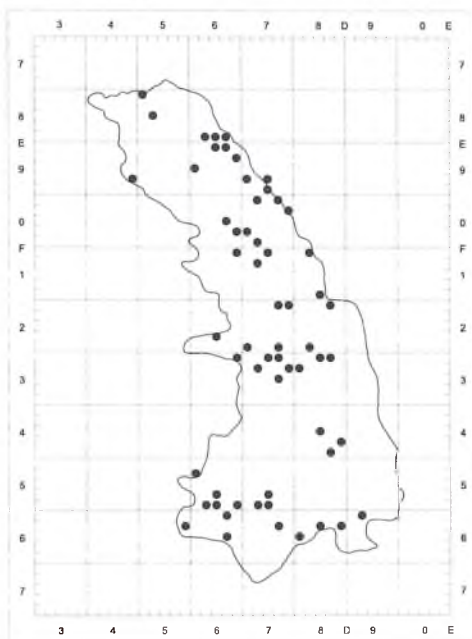
275. *Carex pulicaris* L.



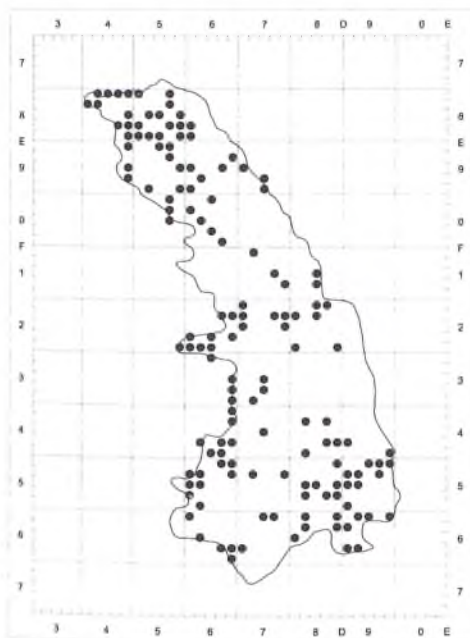
276. *Carex remota* L.



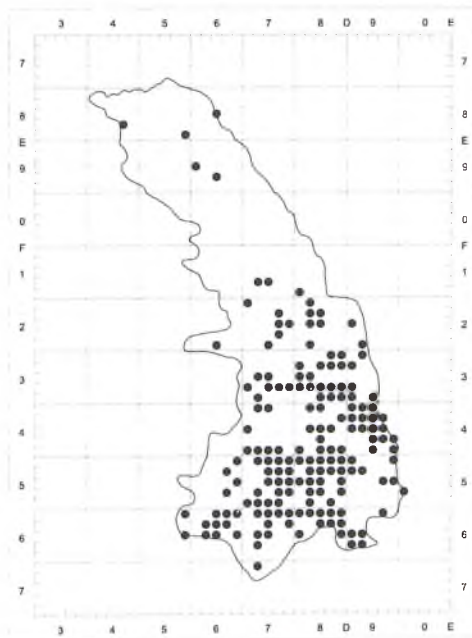
277. *Carex riparia* Curtis



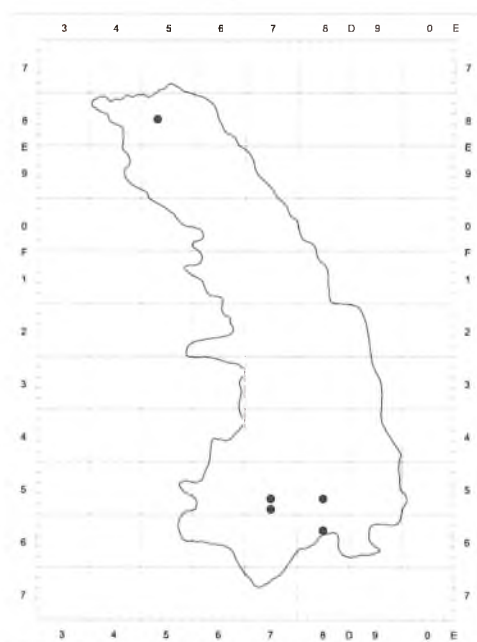
278. *Carex rostrata* Stokes



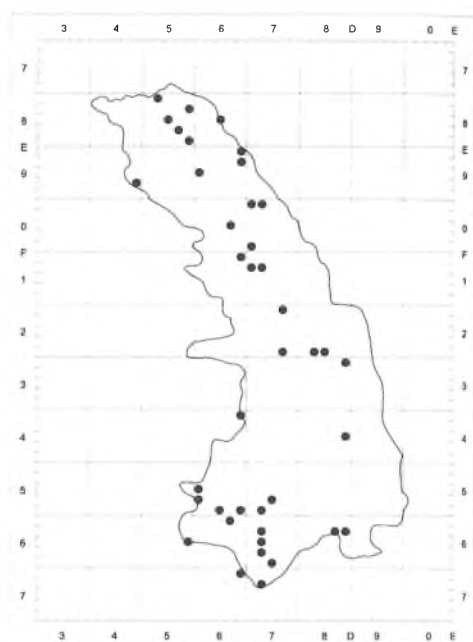
279. *Carex spicata* Huds.



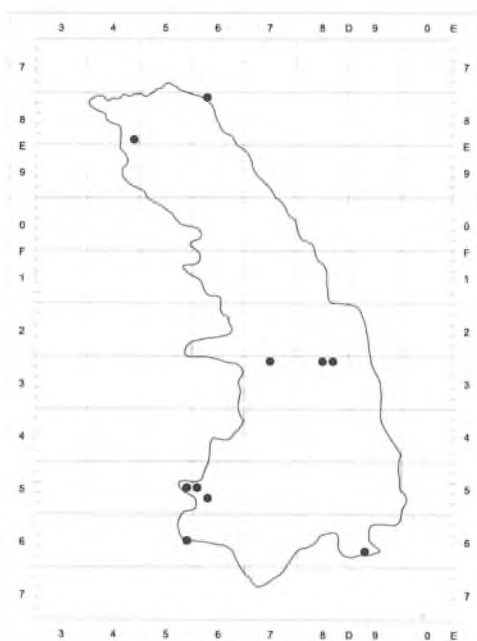
280. *Carex sylvatica* Huds.



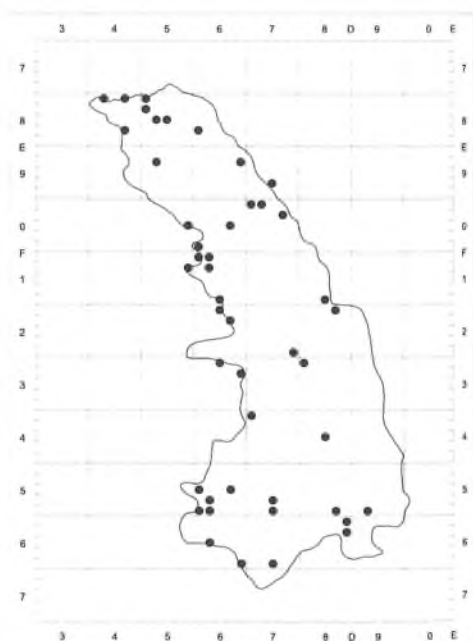
281. *Carex tomentosa* L.



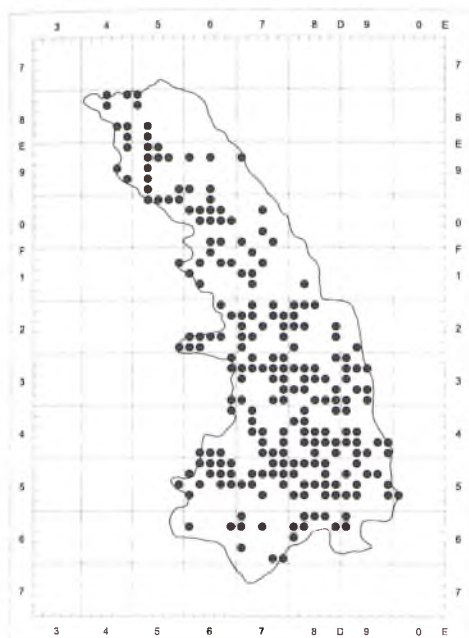
282. *Carex vesicaria* L.



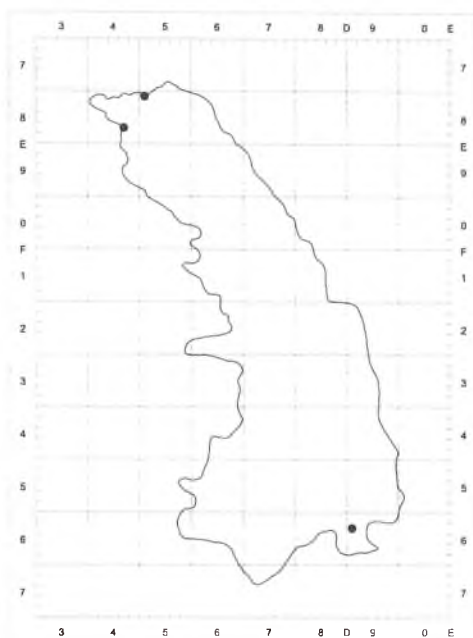
283. *Carex viridula* Michx.



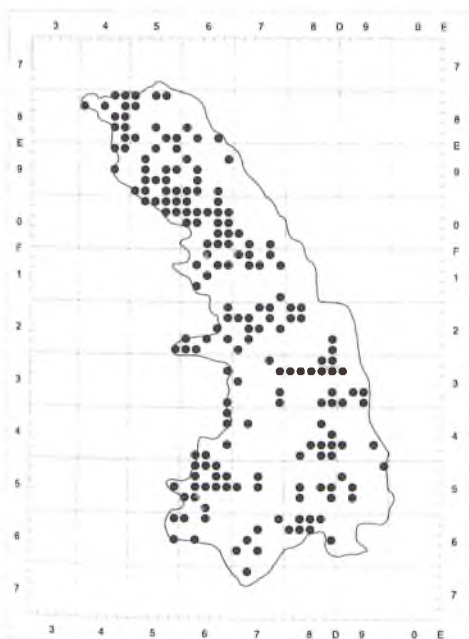
284. *Carex vulpina* L.



285. *Carlina acaulis* L.



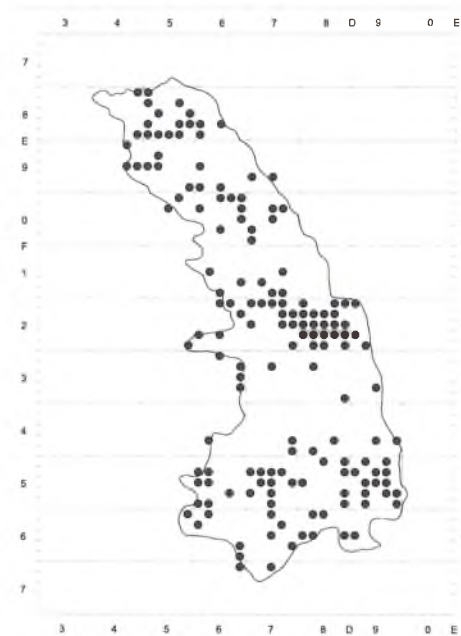
286. *Carlina intermedia* Schur



287. *Carlina vulgaris* L.



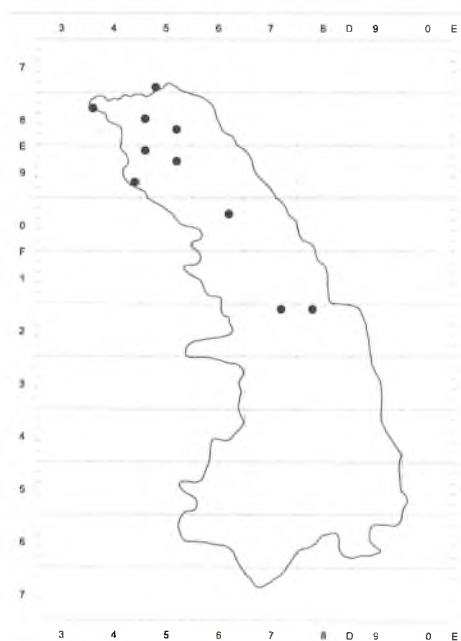
288. *Carpinus betulus* L.



289. *Carum carvi* L.



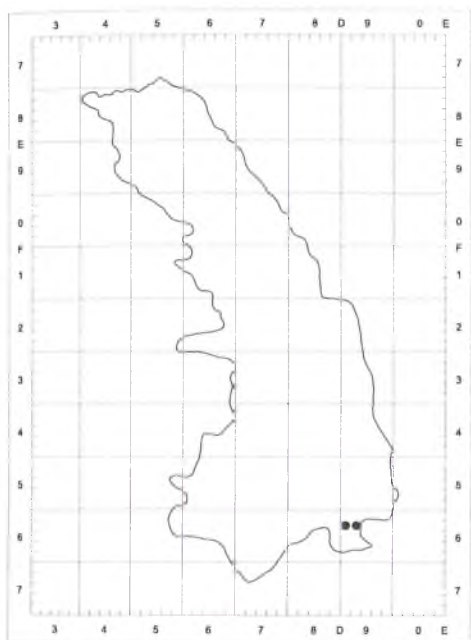
290. + * *Catabrosa aquatica* (L.)
P. Beauv.



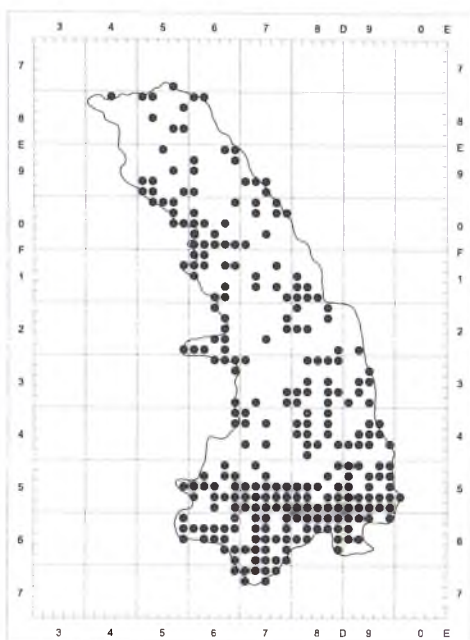
291. * *Caucalis platycarpos* L.



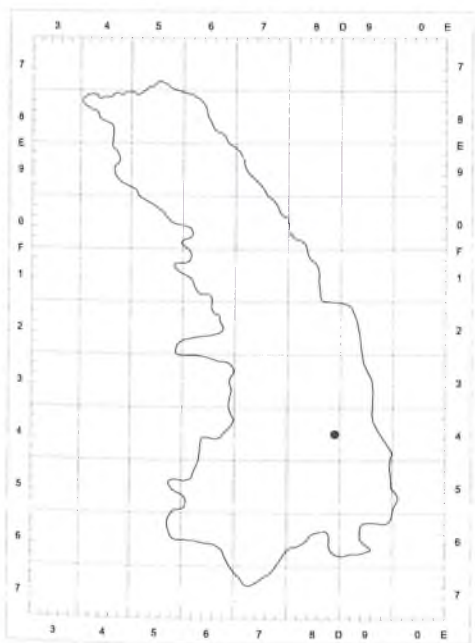
292. * *Centaurea cyanus* L.



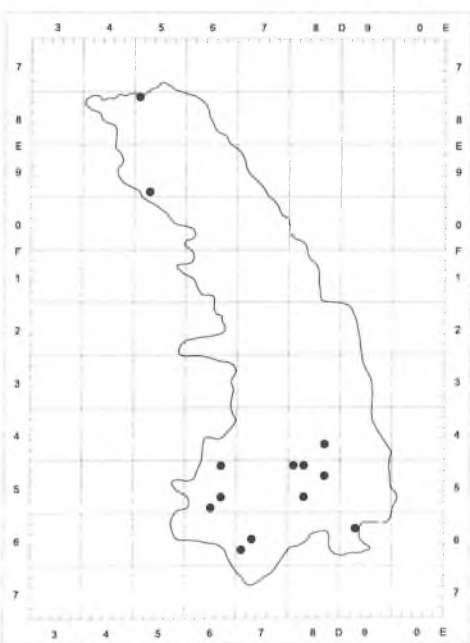
293. ** *Centaurea diffusa* Lam.



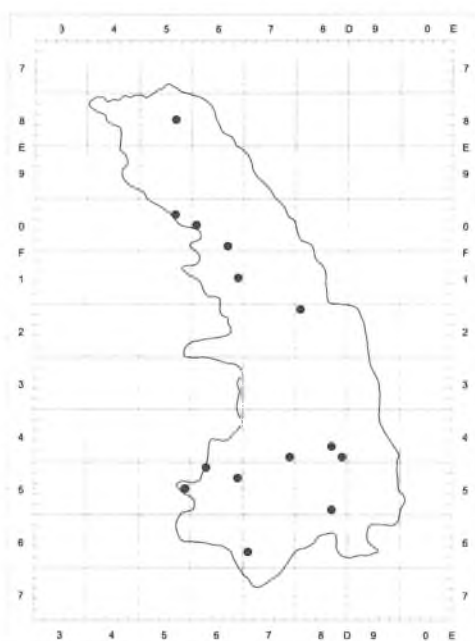
294. *Centaurea jacea* L.



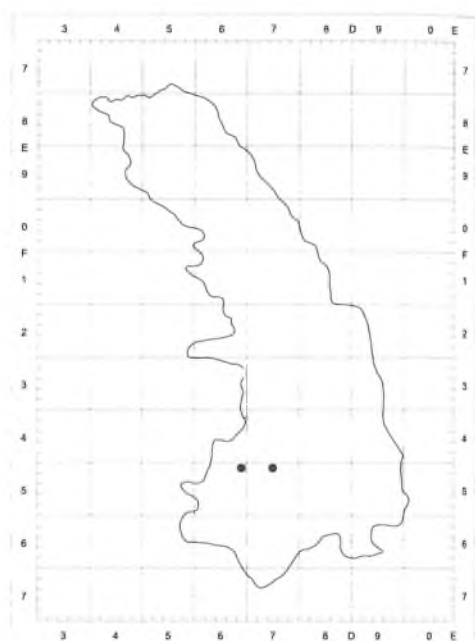
295. Δ *Centaurea mollis*
Waldst. & Kit.



296. *Centaurea oxylepis*
(Wimm. & Grab.) Hayek



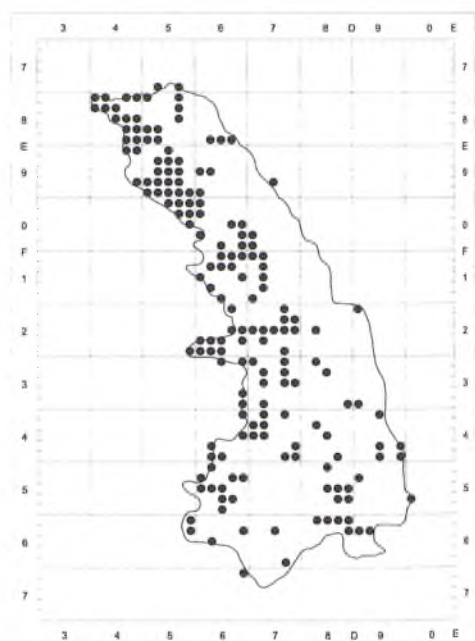
297. *Centaurea phrygia* L.



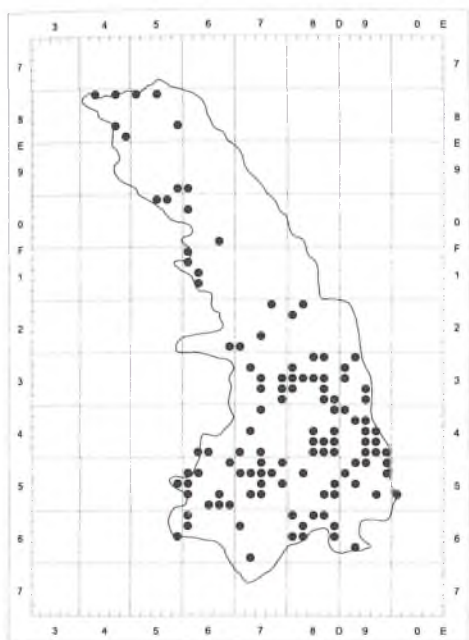
298. *Centaurea pseudophrygia*
C. A. Mey.



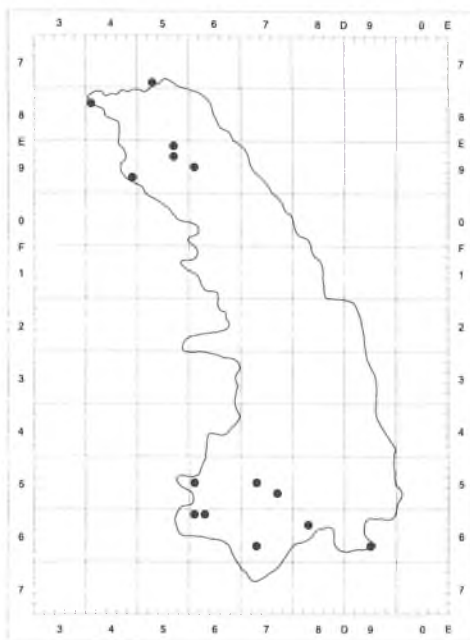
299. *Centaurea scabiosa* L.



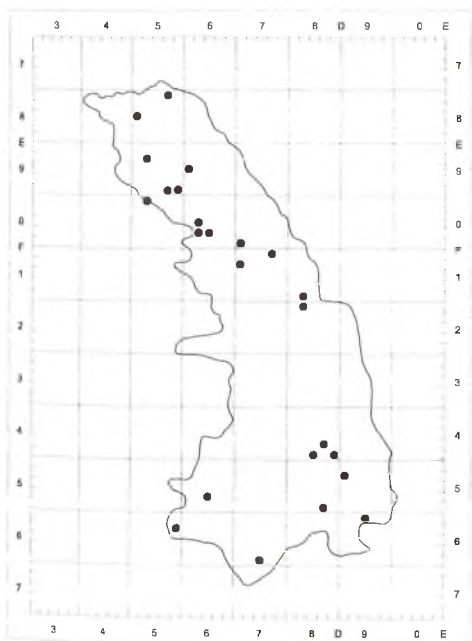
300. *Centaurea stoebe* L.



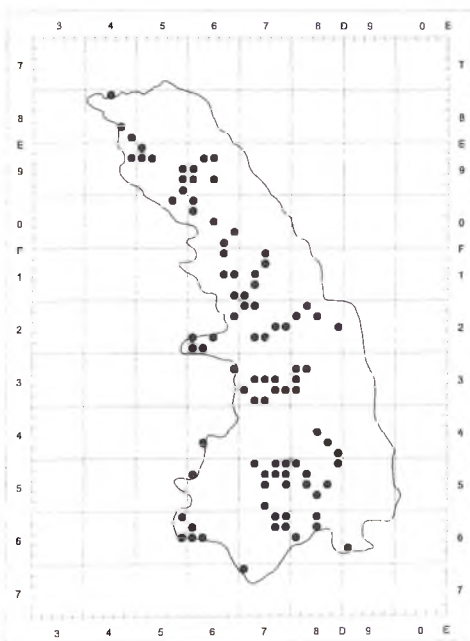
301. *Centaurium erythraea* Rafn



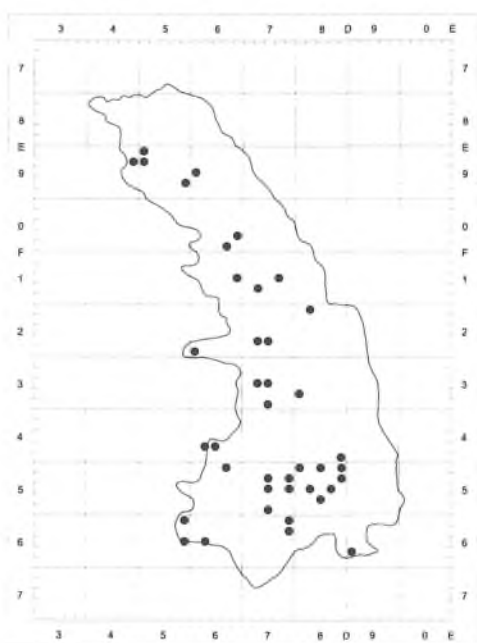
302. *Centaurium pulchellum* (Sw.)
Druce



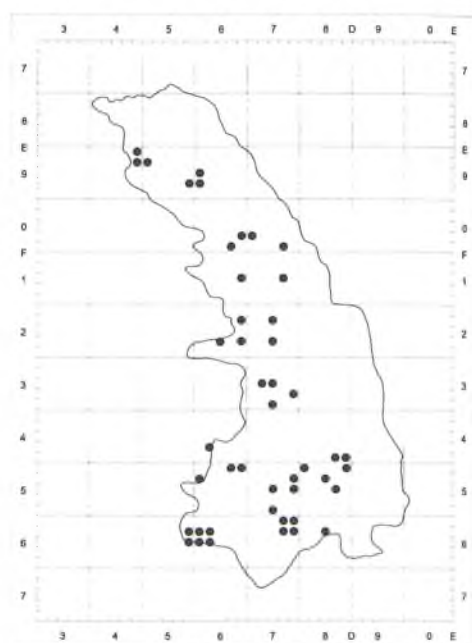
303. *Centunculus minimus* L.



304. *Cephalanthera damasonium*
(Mill.) Druce



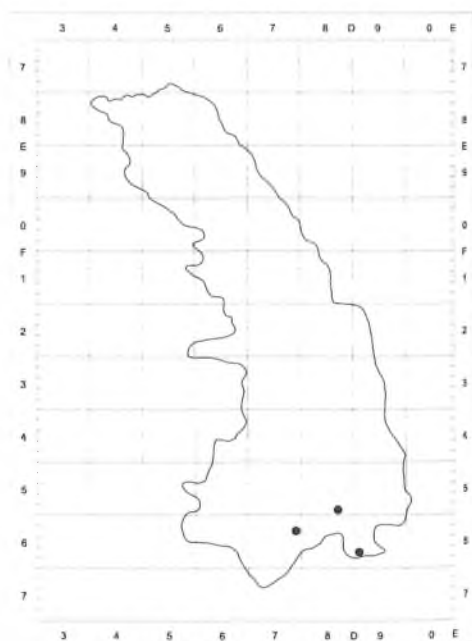
305. *Cephalanthera longifolia* (L.)
Fritsch



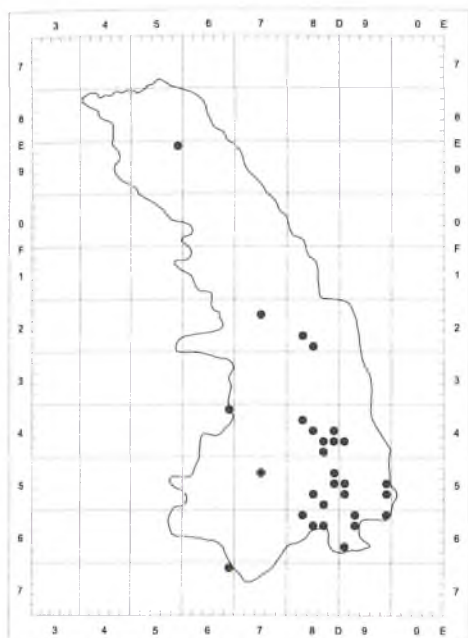
306. *Cephalanthera rubra* (L.) Rich.



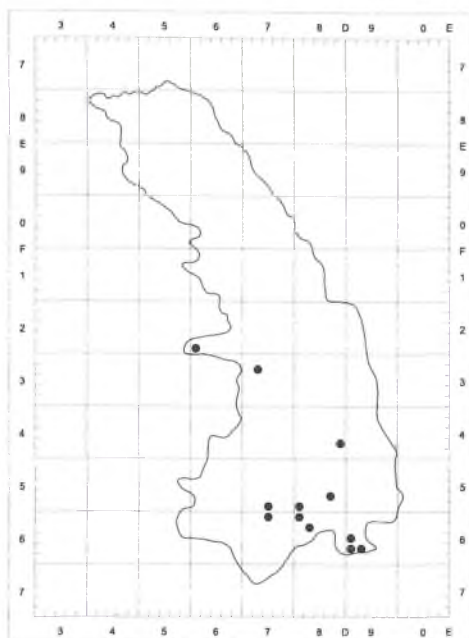
307. *Cerastium arvense* L. s. str.



308. + *Cerastium brachypetalum*
Pers.



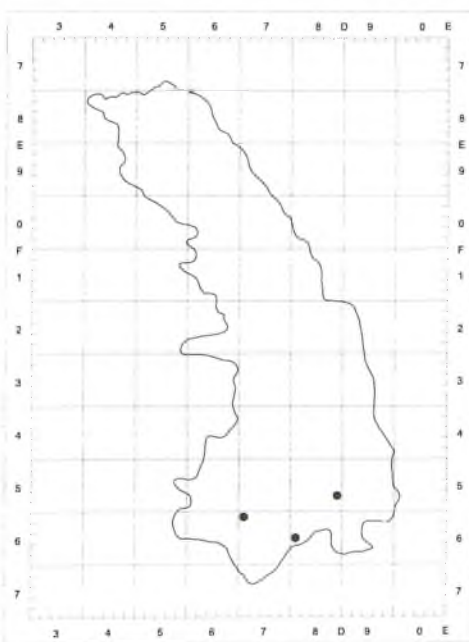
309. *Cerastium glomeratum* Thuill.



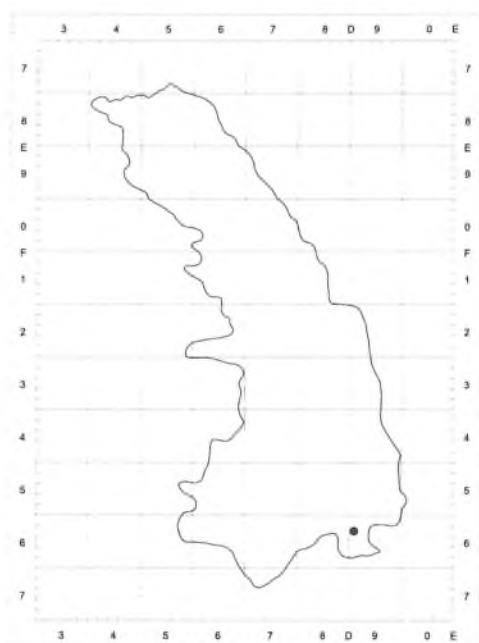
310. *Cerastium glutinosum*
F. W. Schultz



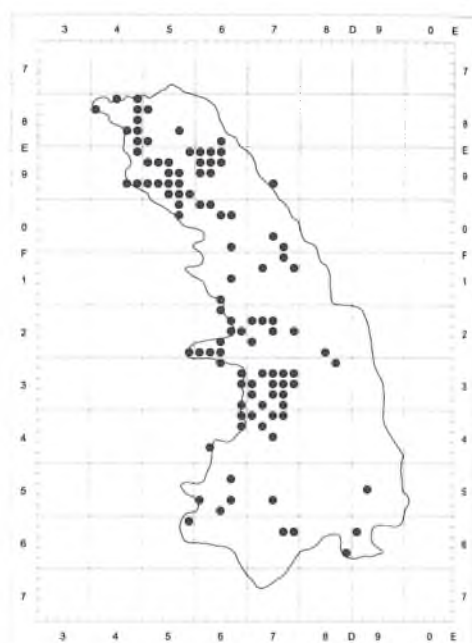
311. *Cerastium holosteoides*
Fr. emend. Hyl.



312. *Cerastium macrocarpum*
Schur emend. Gartner



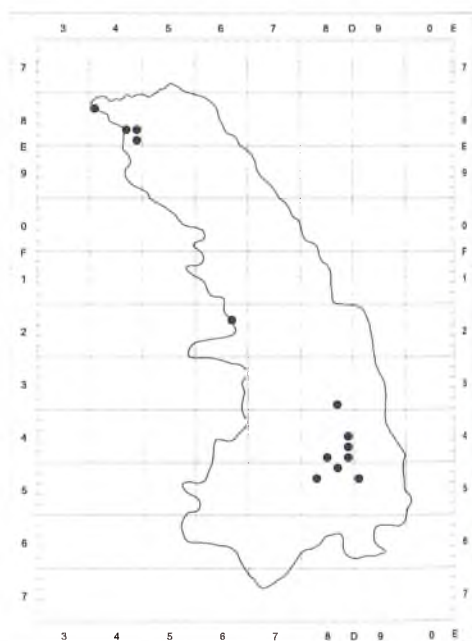
313. *Cerastium pumilum* Curt. s. str.



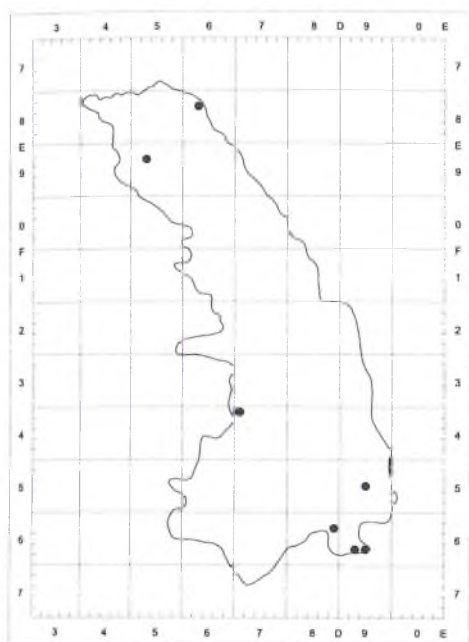
314. *Cerastium semidecandrum* L.



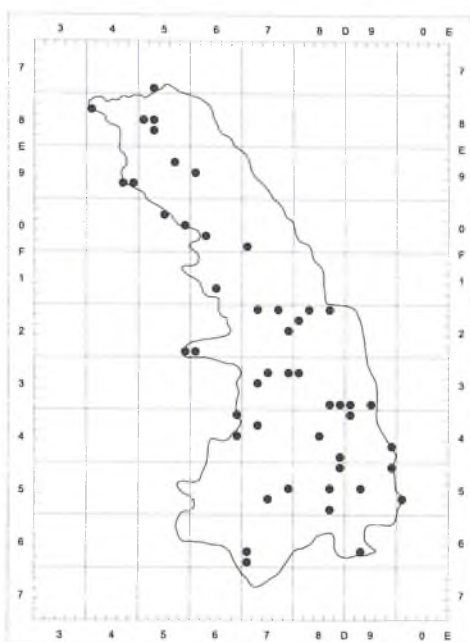
315. *Cerasus avium* (L.) Moench



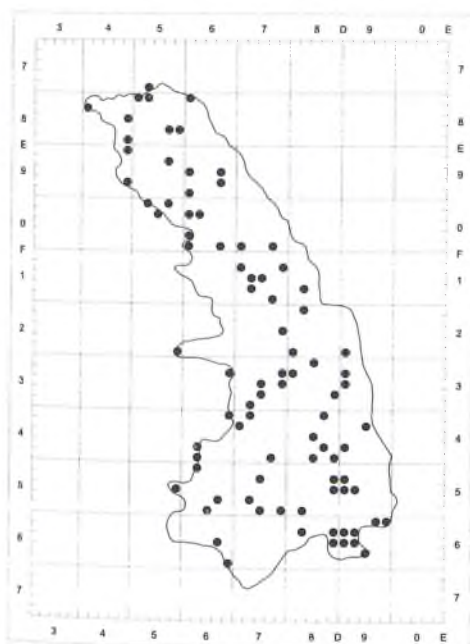
316. *Cerasus fruticosa* Pall.



317. *Ceratophyllum demersum*
L. s. str.



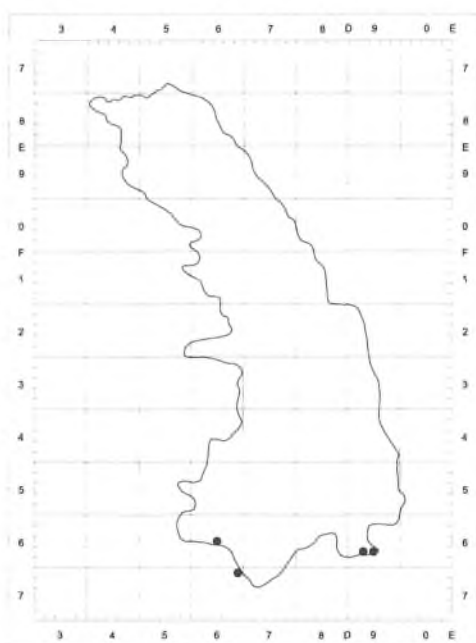
318. *Cerinthe minor* L.



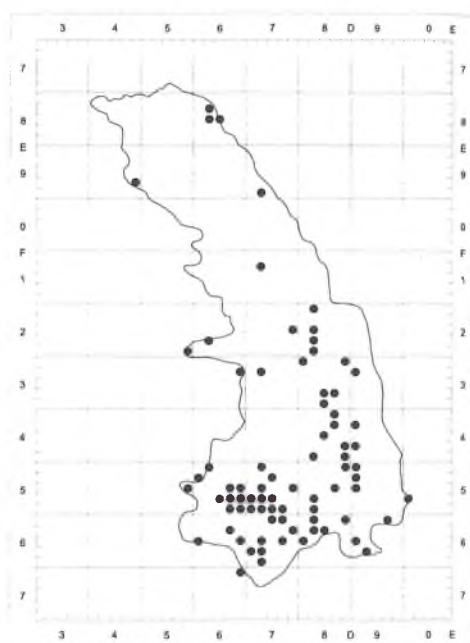
319. *Chaenorhinum minus* (L.) Lange



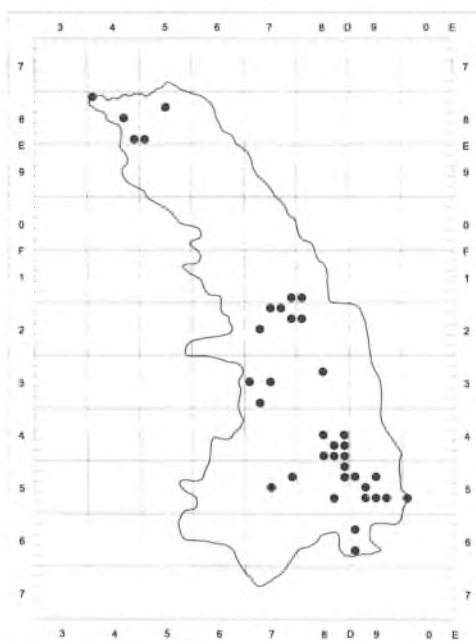
320. *Chaerophyllum aromaticum* L.



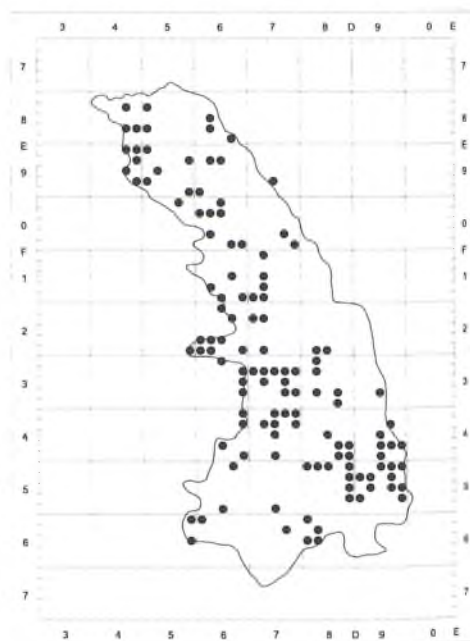
321. *Chaerophyllum bulbosum* L.



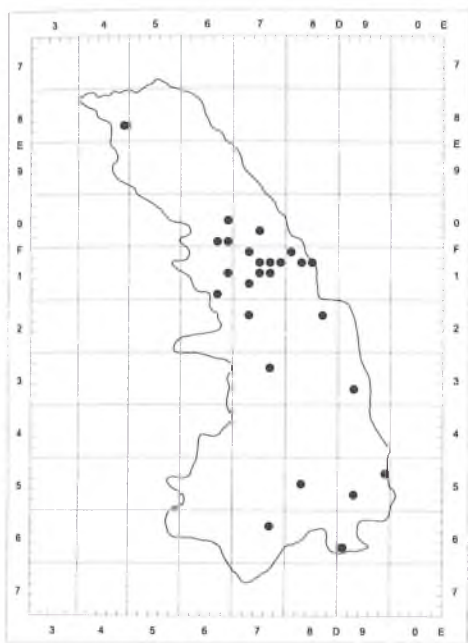
322. *Chaerophyllum hirsutum* L.



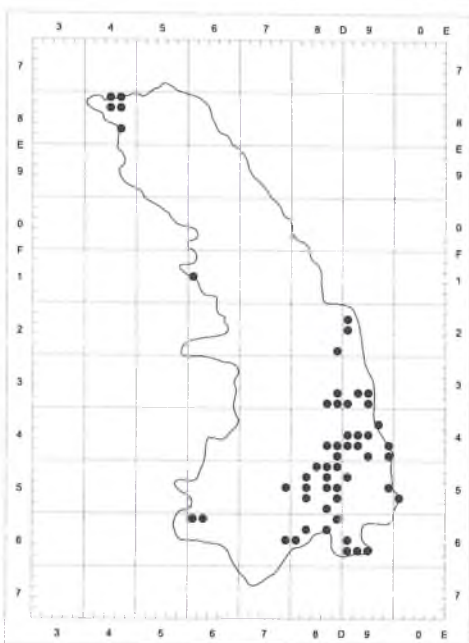
323. *Chaerophyllum temulum* L.



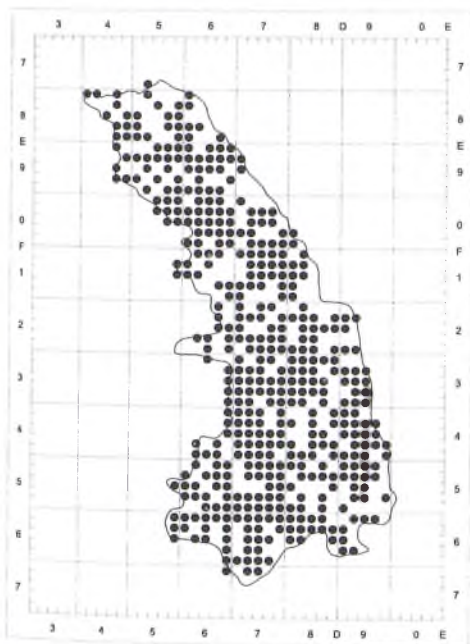
324. *Chamaecytisus ratisbonensis* (Schaeff.) Rothm.



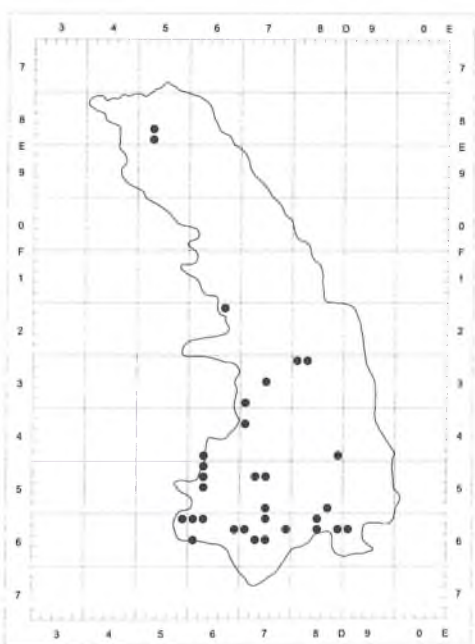
325. *Chamaecytisus ruthenicus*
(Fisch. ex Woł.) Klásk.



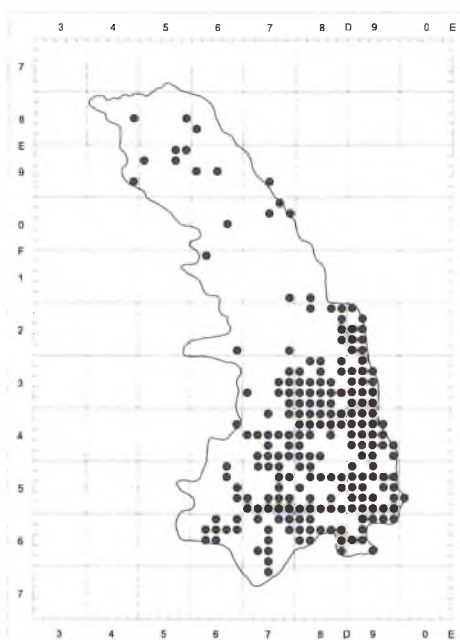
326. *Chamaecytisus supinus* (L.)
Link



327. *Chamaenerion angustifolium*
(L.) Scop.



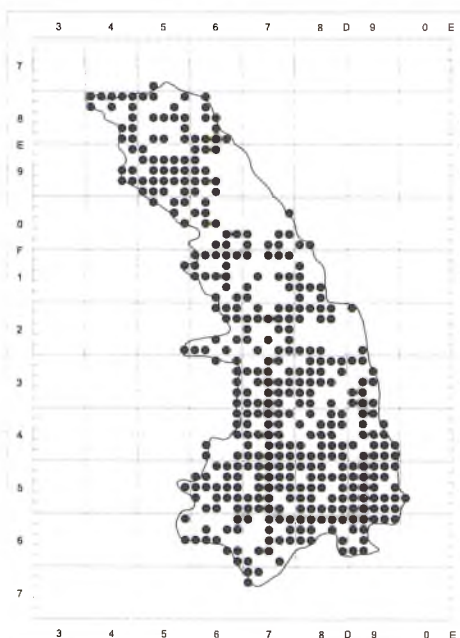
328. *Chamaenerion palustre* Scop.



329. * *Chamomilla recutita* (L.)
Rauschert



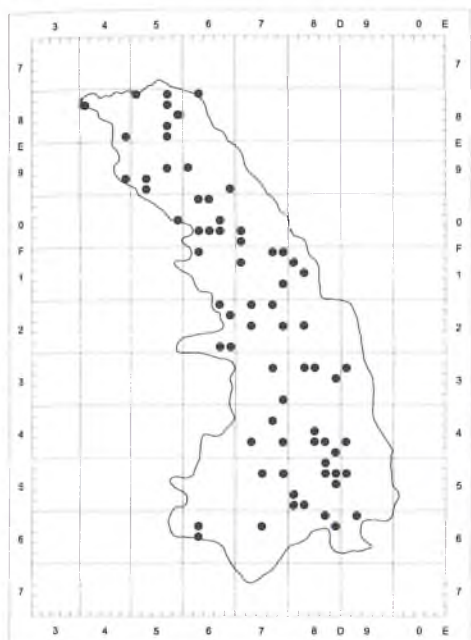
330. ** *Chamomilla suaveolens*
(Pursh) Rydb.



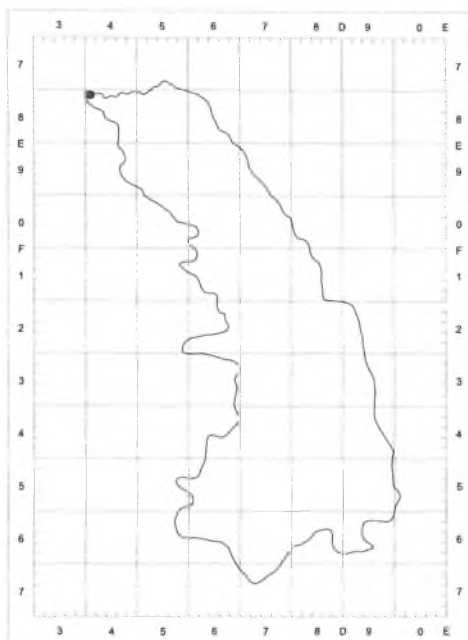
331. *Chelidonium majus* L.



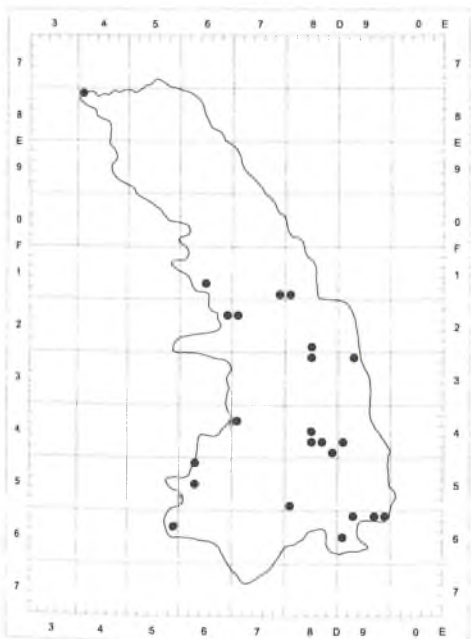
332. *Chenopodium album* L.



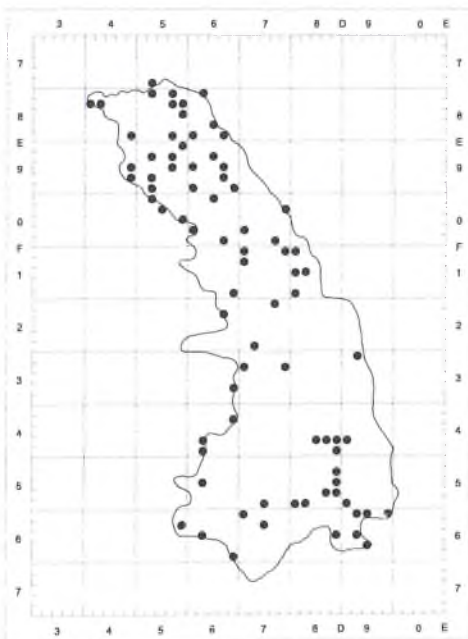
333. * *Chenopodium bonus-henricus* L.



334. * *Chenopodium ficifolium* Sm.



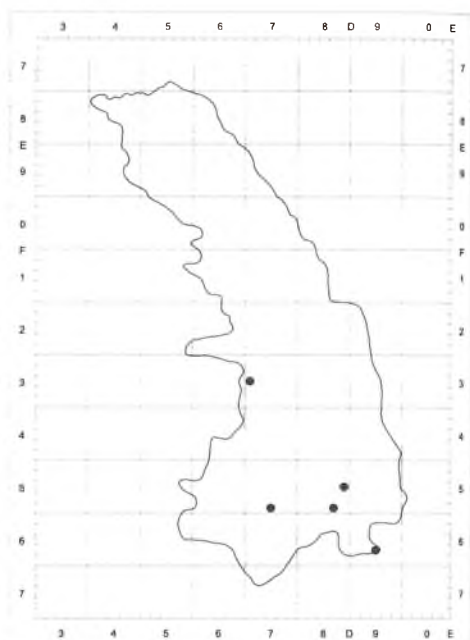
335. *Chenopodium glaucum* L.



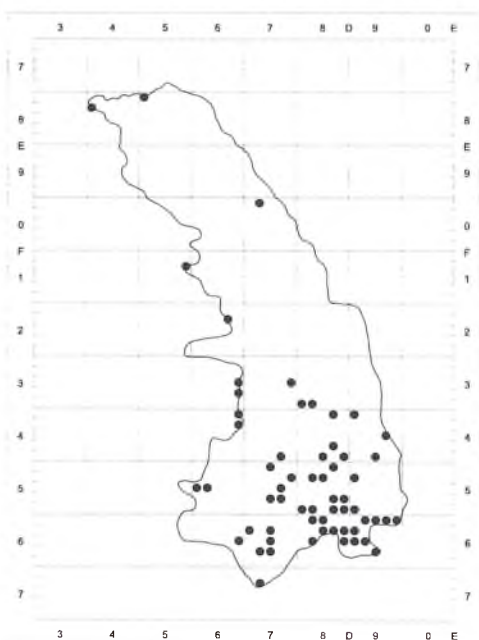
336. * *Chenopodium hybridum* L.



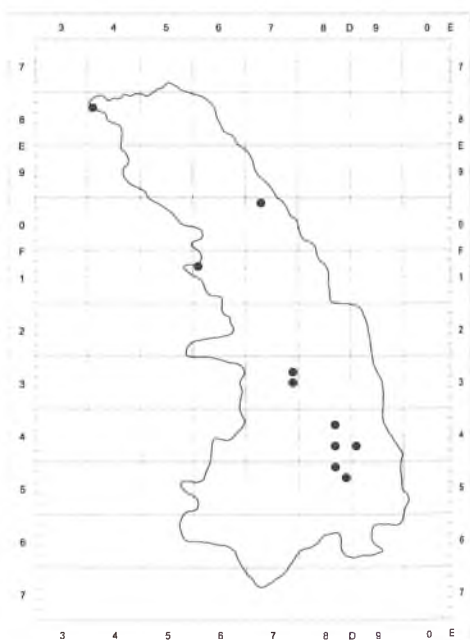
337. * *Chenopodium murale* L.



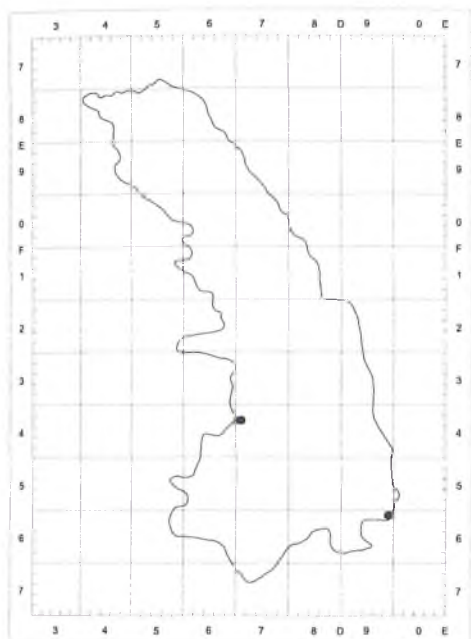
338. ** *Chenopodium pedunculare* Bertol.



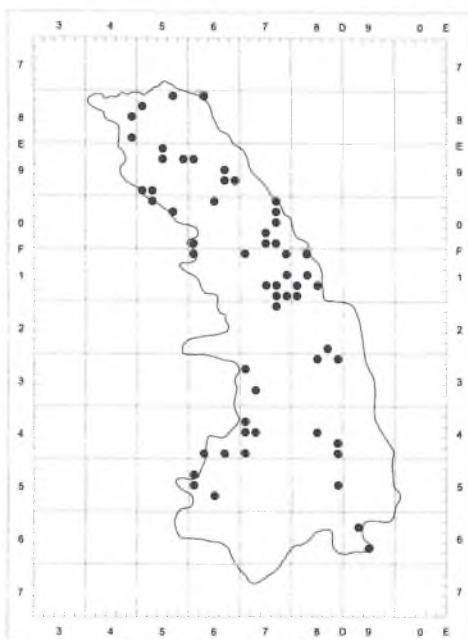
339. *Chenopodium polyspermum* L.



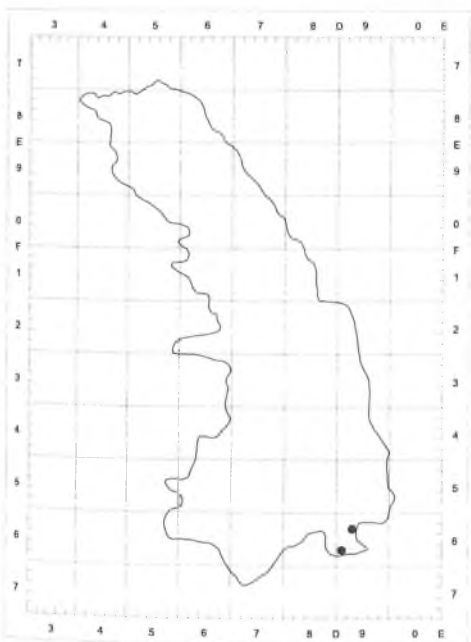
340. *Chenopodium rubrum* L.



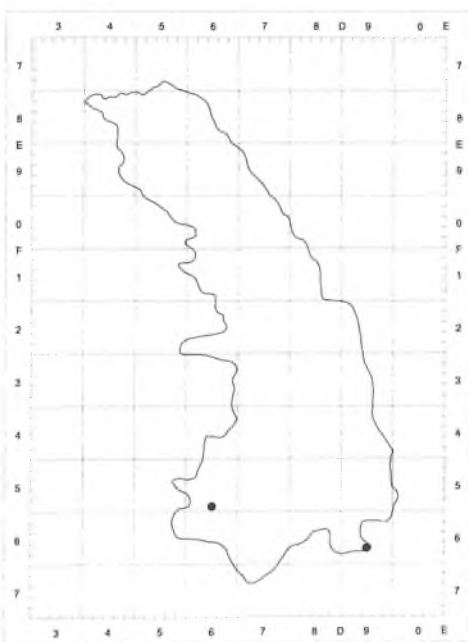
341. ** *Chenopodium striatiforme*
Murr



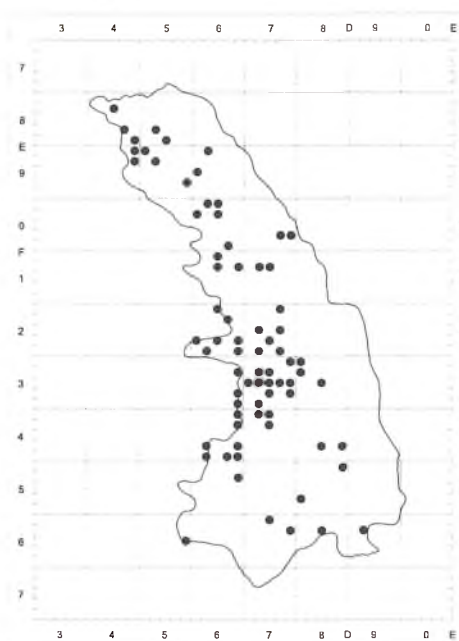
342. ** *Chenopodium strictum* Roth



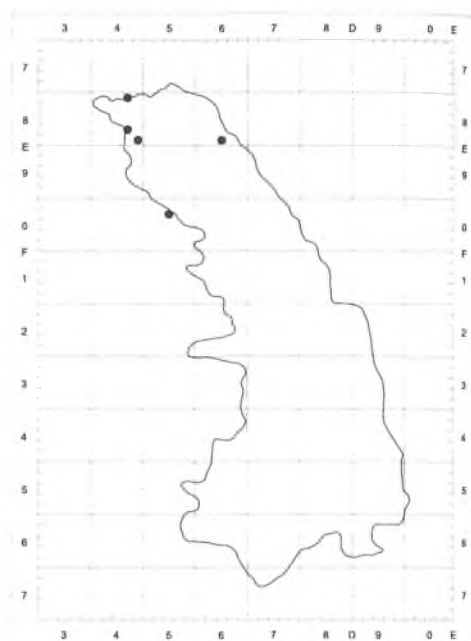
343. ** *Chenopodium suecicum*
Murr



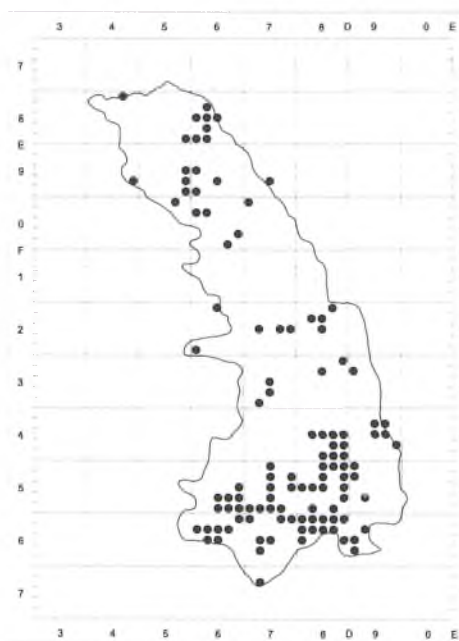
344. * *Chenopodium urbicum* L.



345. *Chimaphila umbellata* (L.)
W. P. C. Barton



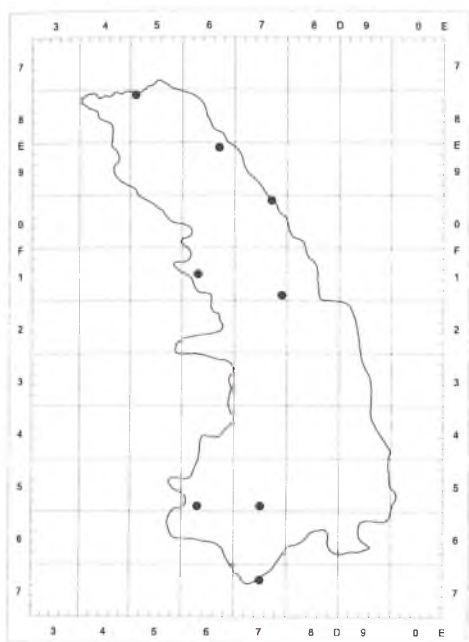
346. *Chondrilla juncea* L.



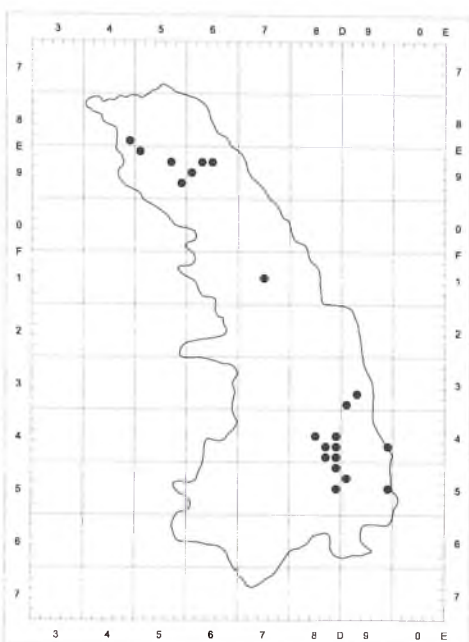
347. *Chrysosplenium alternifolium* L.



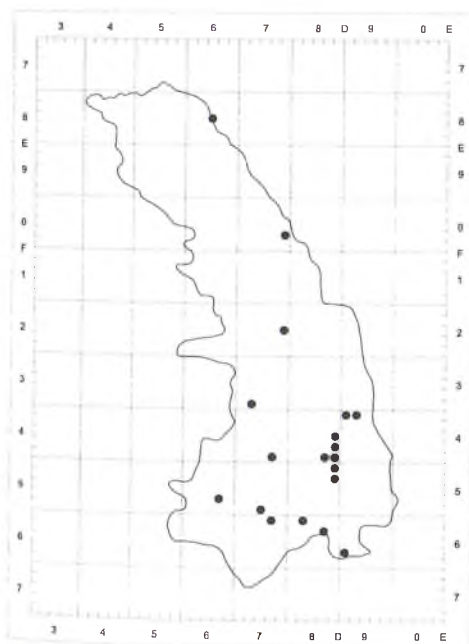
348. * *Cichorium intybus* L.



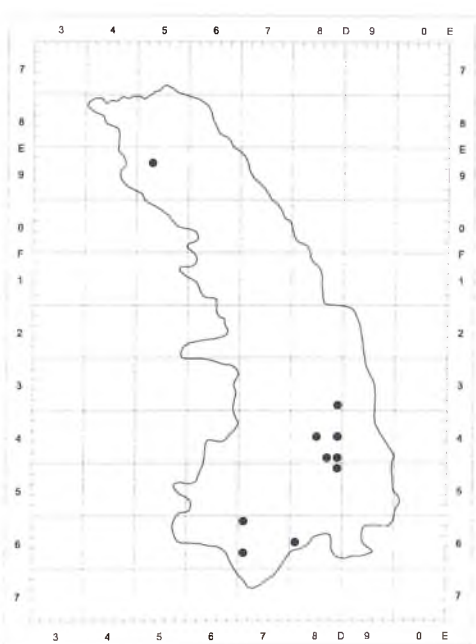
349. *Cicuta virosa* L.



350. *Cimicifuga europaea* Schipcz.



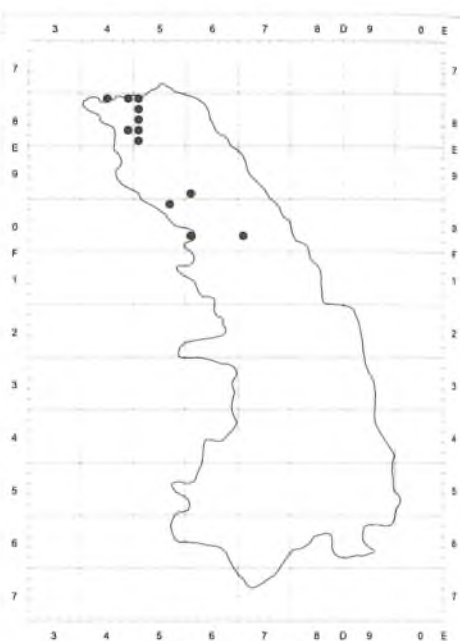
351. *Circaea alpina* L.



352. *Circaea intermedia* Ehrh.



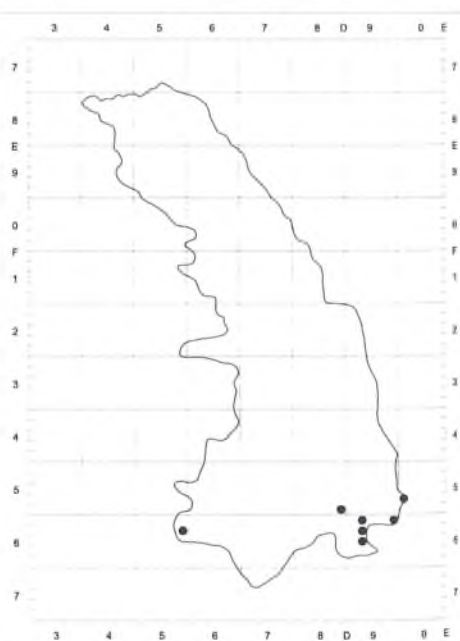
353. *Circaea lutetiana* L.



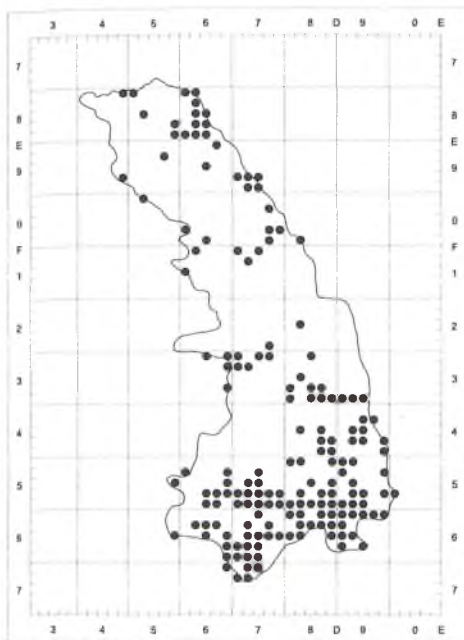
354. *Cirsium acaule* Scop.



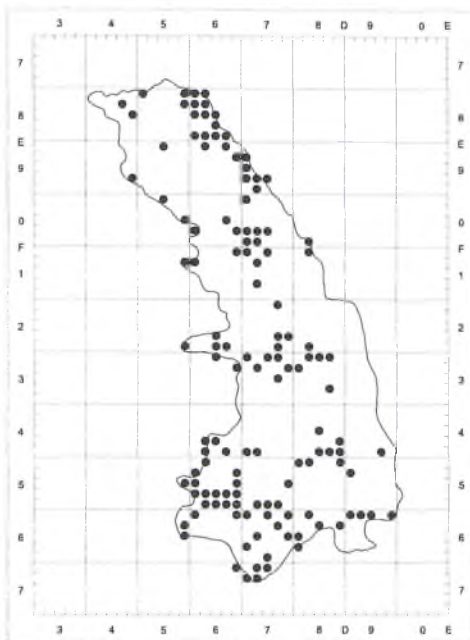
355. *Cirsium arvense* (L.) Scop.



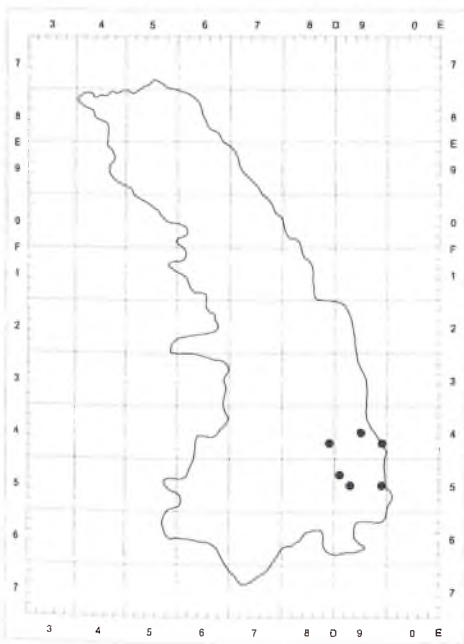
356. *Cirsium canum* (L.) All.



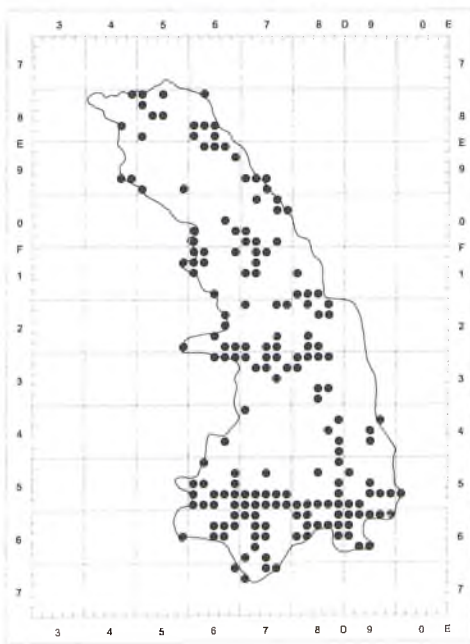
357. *Cirsium oleraceum* (L.) Scop.



358. *Cirsium palustre* (L.) Scop.



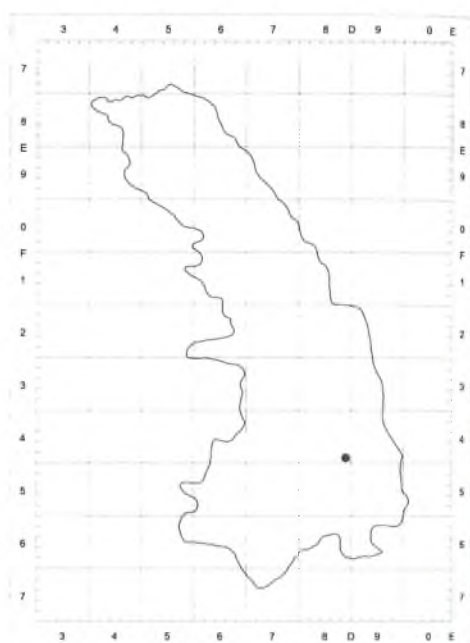
359. *Cirsium pannonicum* (L. f.)
Link



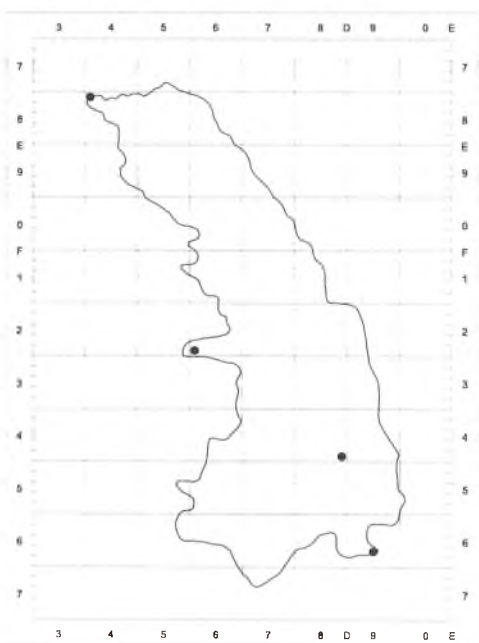
360. *Cirsium rivulare* (Jacq.) All.



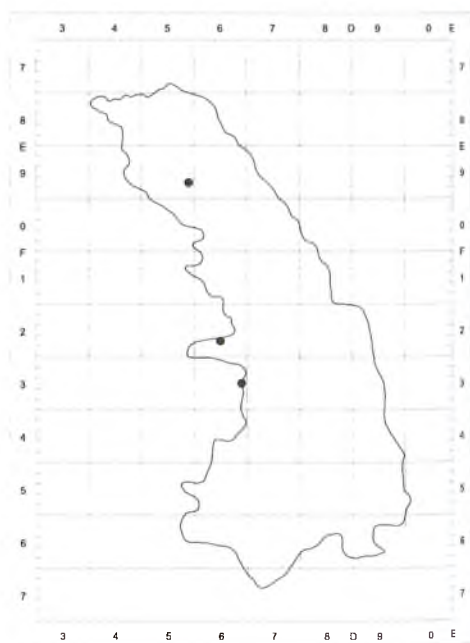
361. [*] *Cirsium vulgare* (Savi) Ten.



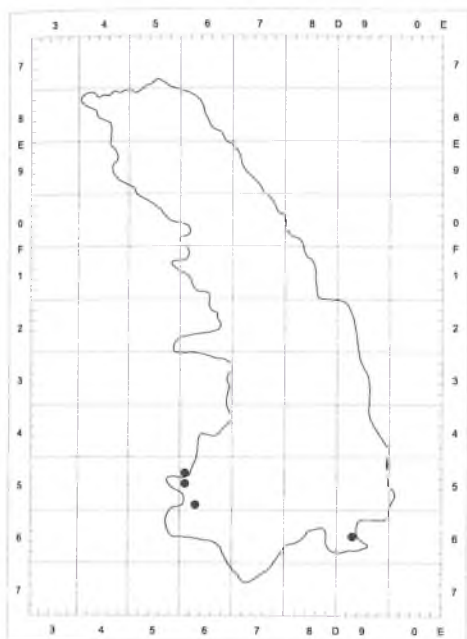
362. Δ *Clematis recta* L.



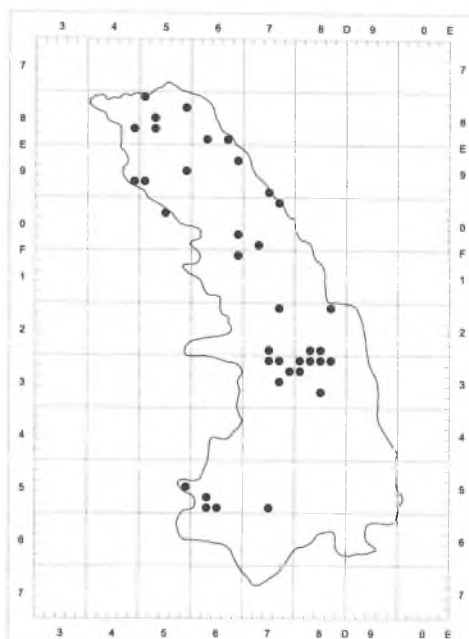
363. ** *Clematis vitalba* L.



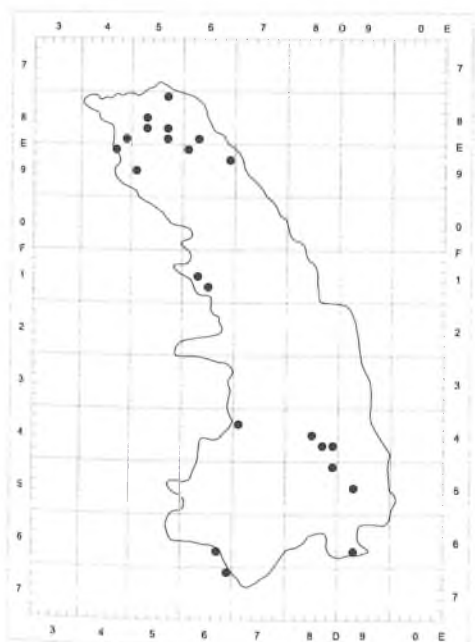
364. *Cochlearia polonica* E. Fröhl.



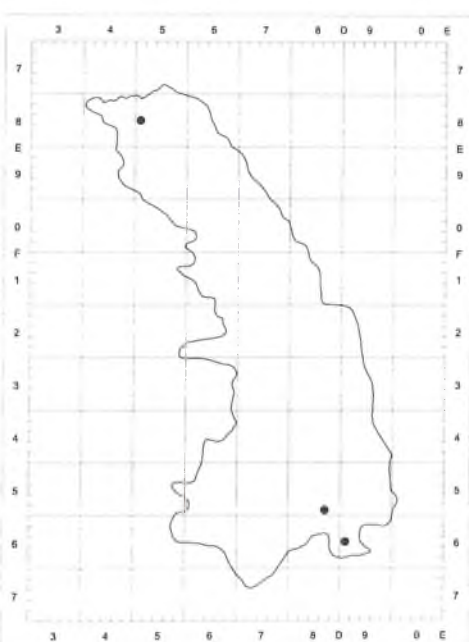
365. *Colchicum autumnale* L.



366. *Comarum palustre* L.



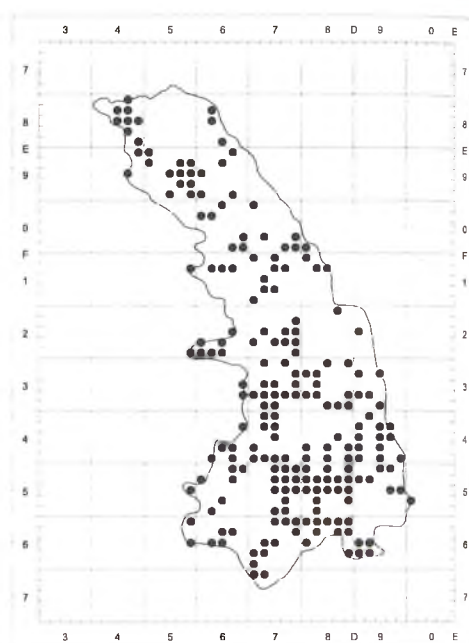
367. * *Conium maculatum* L.



368. + * *Conringia orientalis* (L.)
Dumort.



369. * *Consolida regalis* Gray



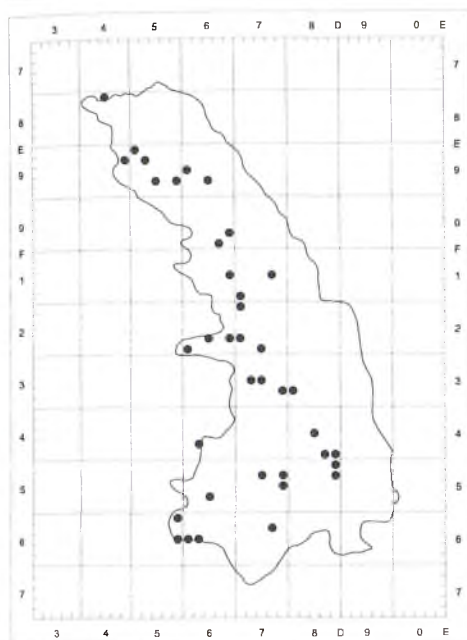
370. *Convallaria majalis* L.



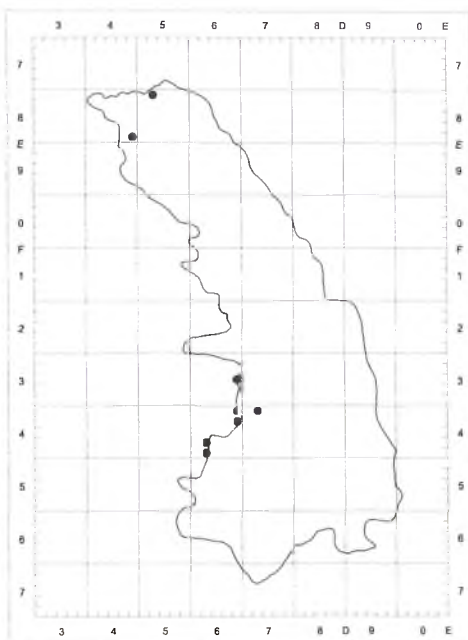
371. *Convolvulus arvensis* L.



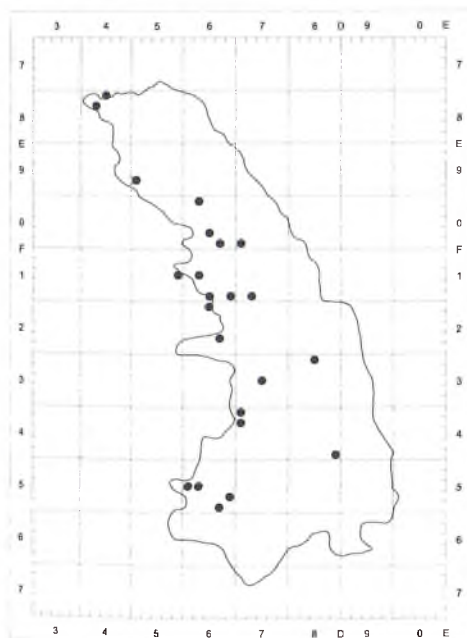
372. ** *Conyza canadensis* (L.)
Cronquist



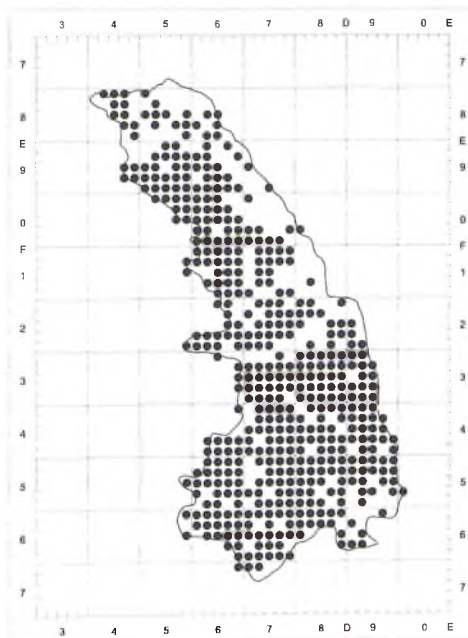
373. *Corallorhiza trifida* Châtel.



374. [*] *Corispermum leptopterum* (Asch.) Iljin



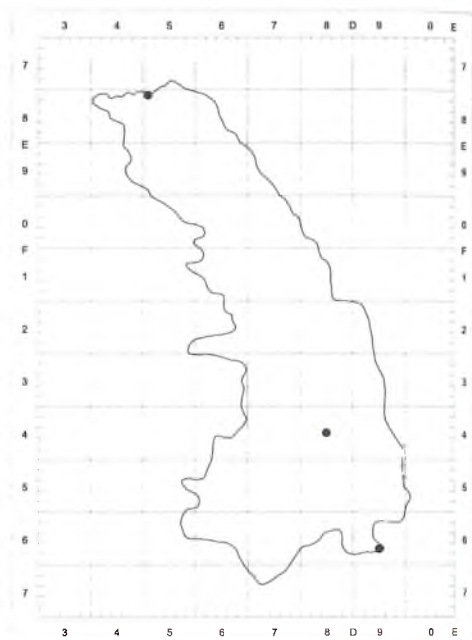
375. ** *Cornus alba* L.



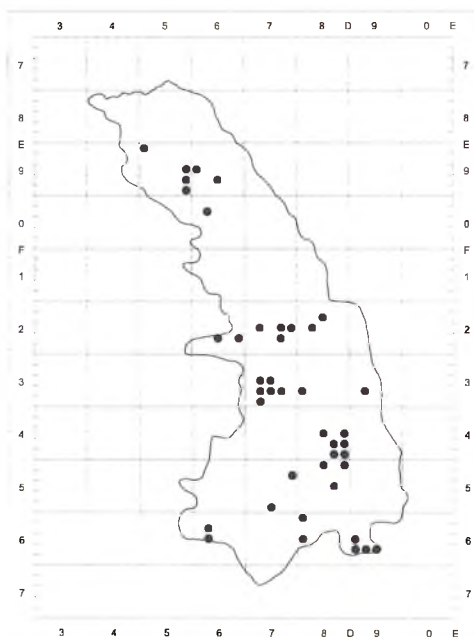
376. *Cornus sanguinea* L.



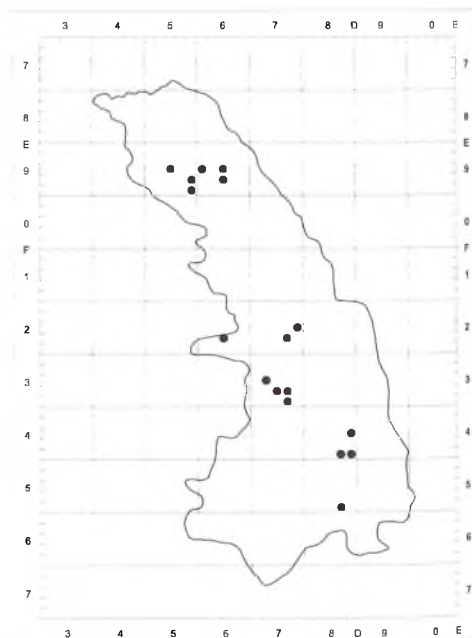
377. *Coronilla varia* L.



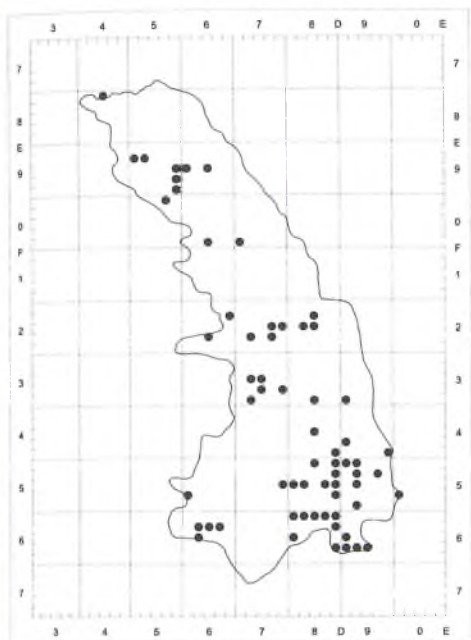
378. * *Coronopus squamatus* (Forssk.) Asch.



379. *Corydalis cava* Schweigg. & Körte



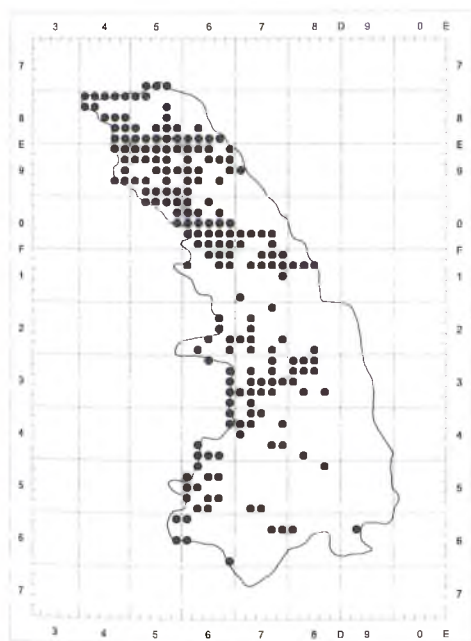
380. *Corydalis intermedia* (L.) Mérat



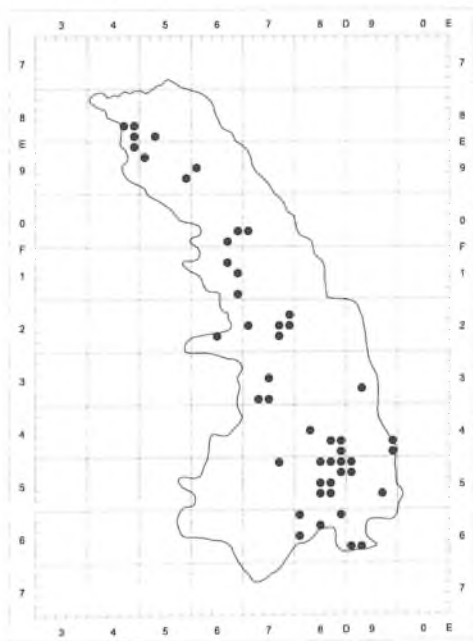
381. *Corydalis solida* (L.) Clairv.



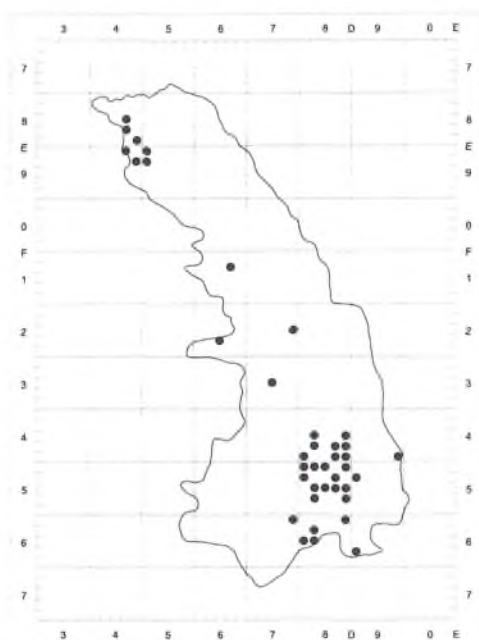
382. *Corylus avellana* L.



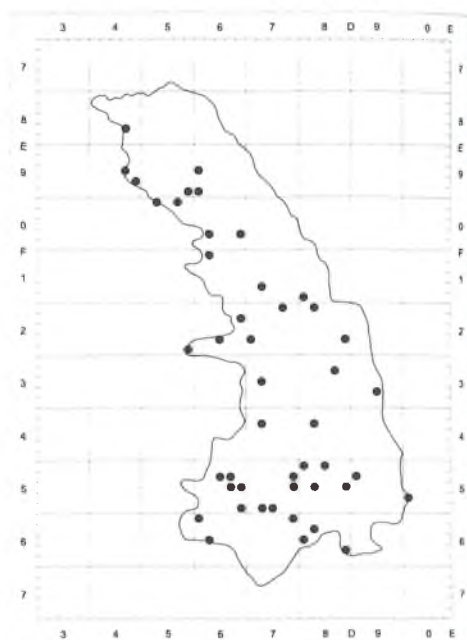
383. *Corynephorus canescens* (L.)
P. Beauv.



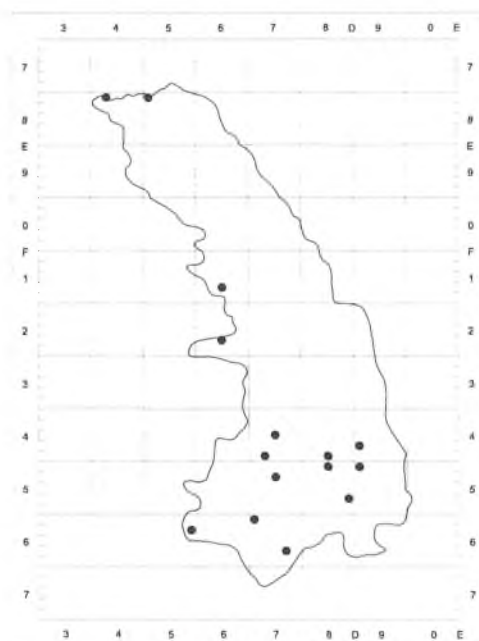
384. *Cotoneaster integerrimus* Medik.



385. *Cotoneaster niger* (Thunb.) Fr.



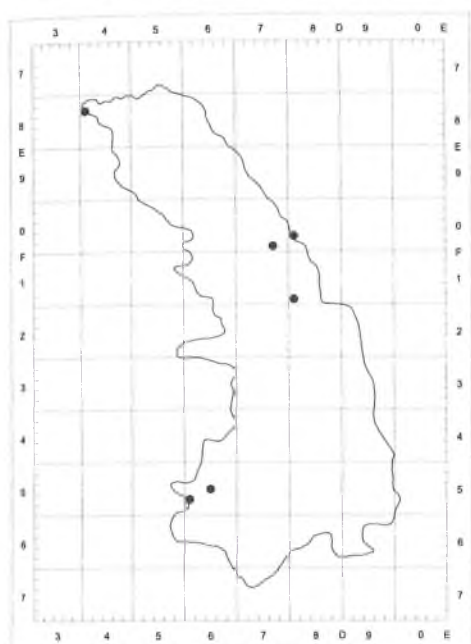
386. *Crataegus laevigata* (Poir.) DC.



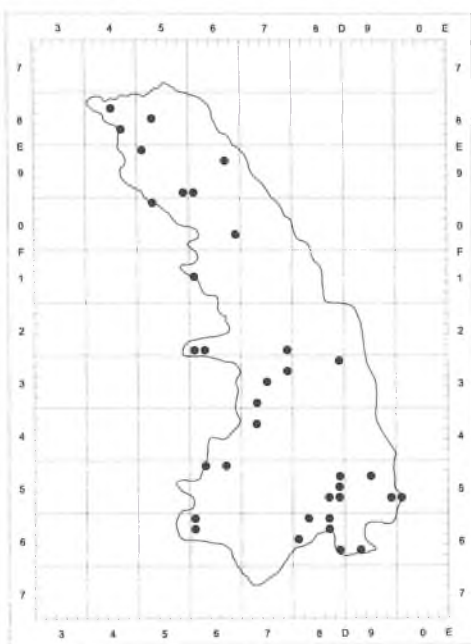
387. *Crataegus* $\times$ *macrocarpa*
Hegetschw.



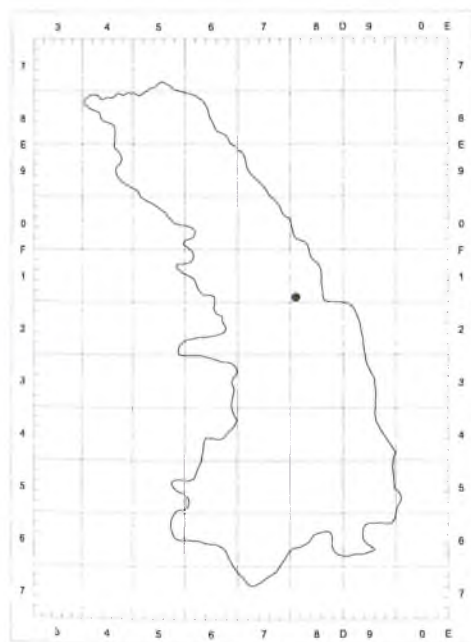
388. *Crataegus monogyna* Jacq.



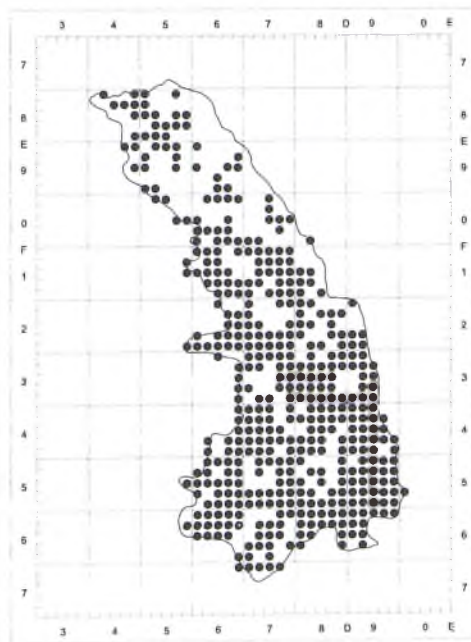
389. ** *Crataegus pedicellata* Sarg.



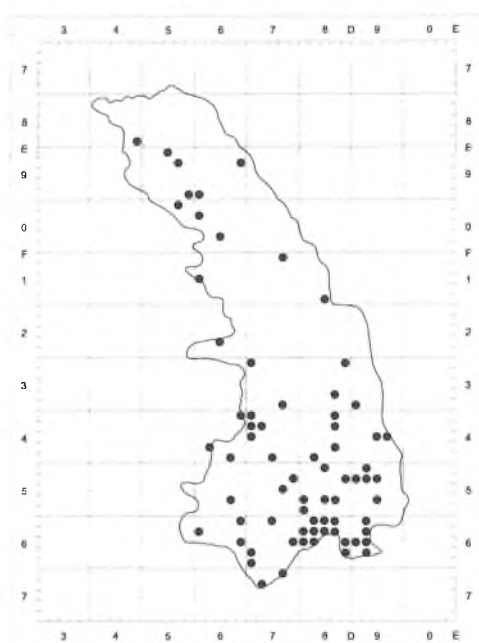
390. *Crataegus rhipidophylla* Gand.



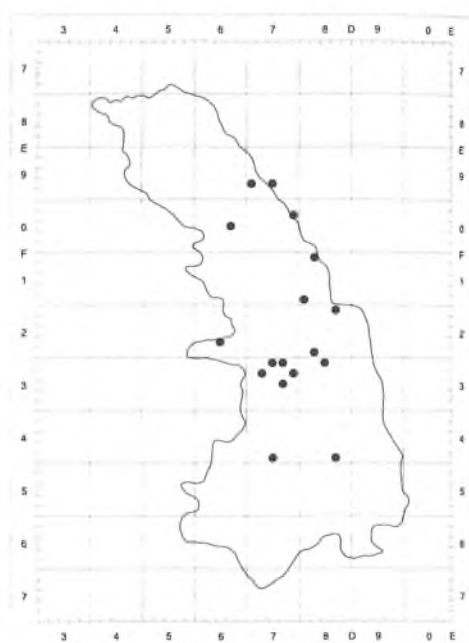
391. *Crataegus* $\times$ *subsphaericea* Gand.



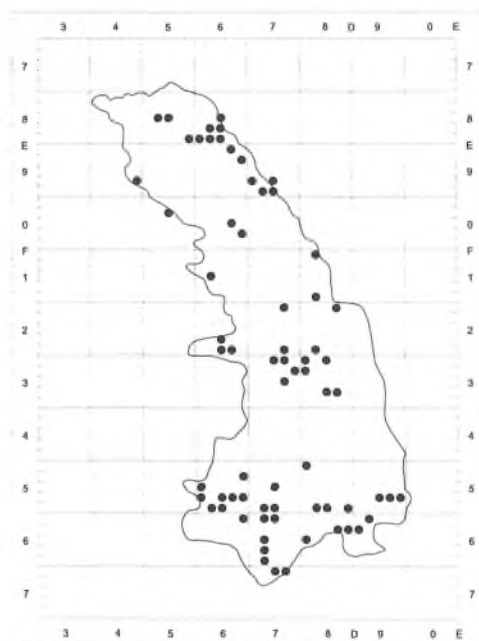
392. *Crepis biennis* L.



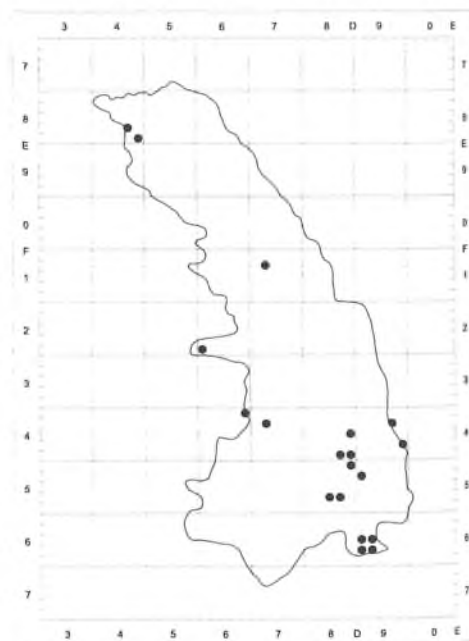
393. *Crepis capillaris* (L.) Wallr.



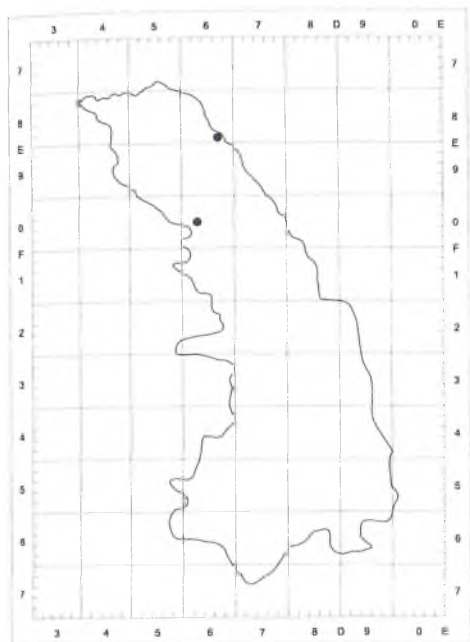
394. *Crepis mollis* (Jacq.) Asch. s. str.



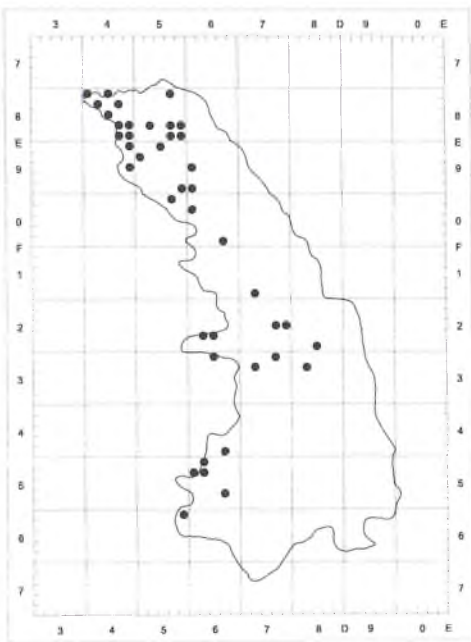
395. *Crepis paludosa* (L.) Moench



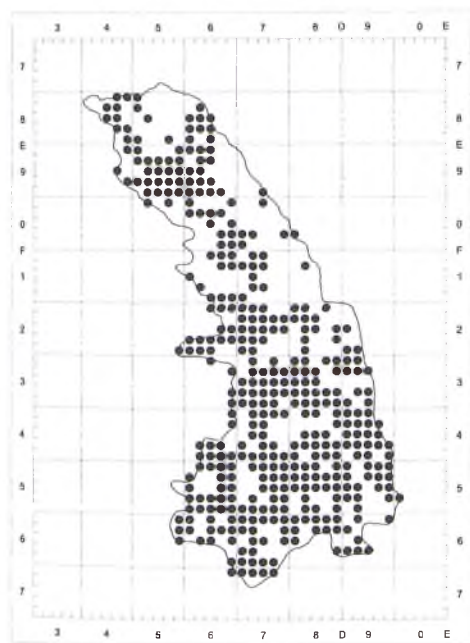
396. *Crepis praemorsa* (L.) Tausch



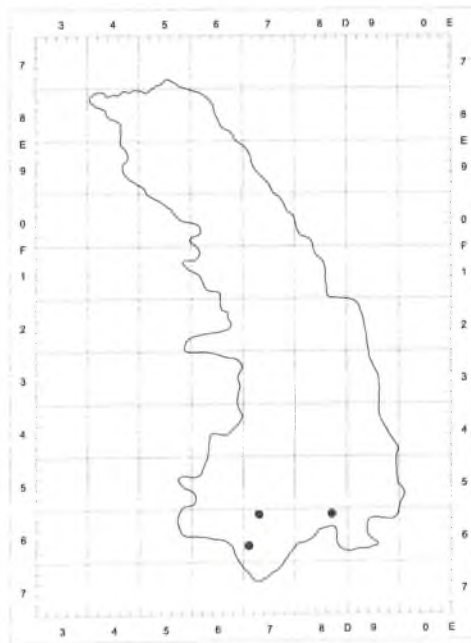
397. *Crepis succisifolia* (All.) Tausch



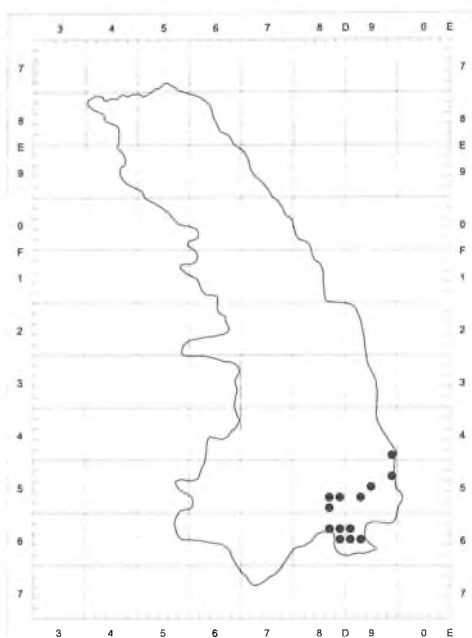
398. *Crepis tectorum* L.



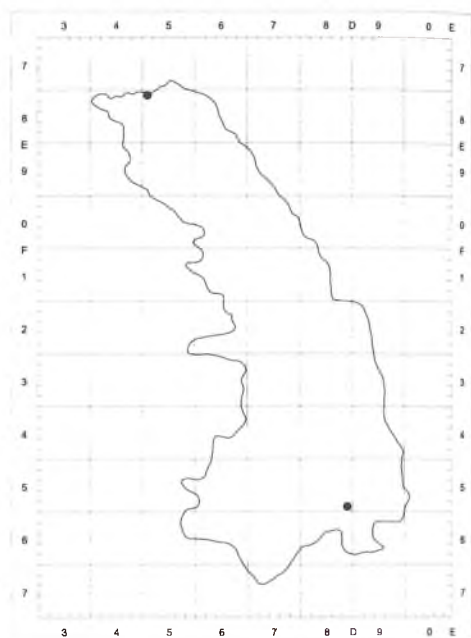
399. *Cruciata glabra* (L.) Ehrend.



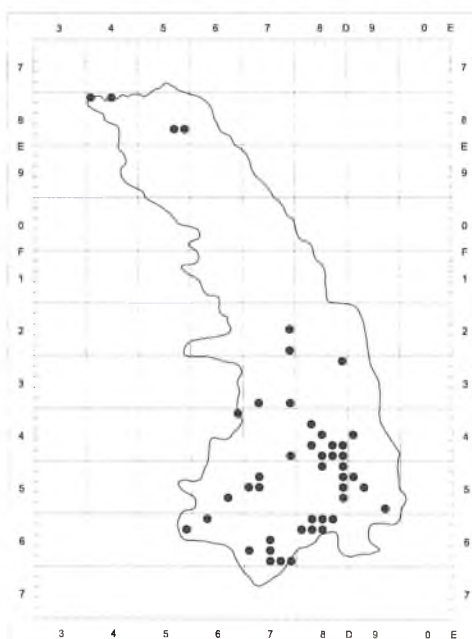
400. *Cruciata laevipes* Opiz



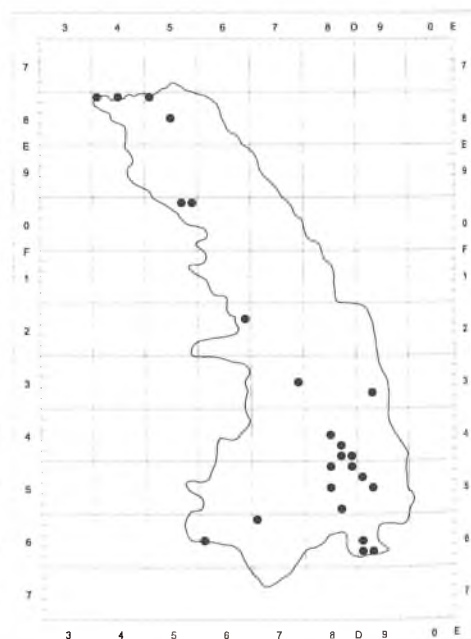
401. *Cucubalus baccifer* L.



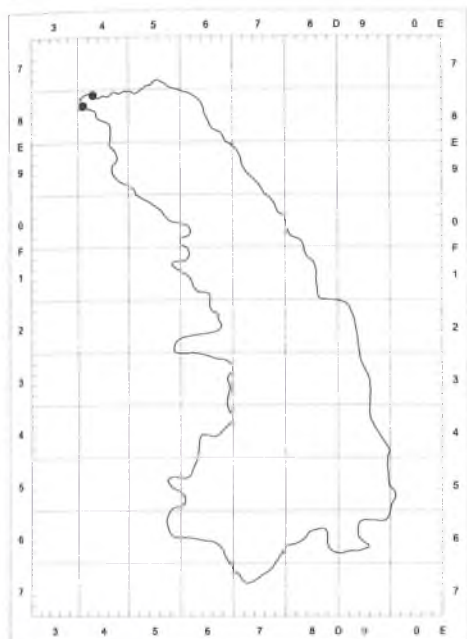
402. ** *Cuscuta campestris* Yunck.



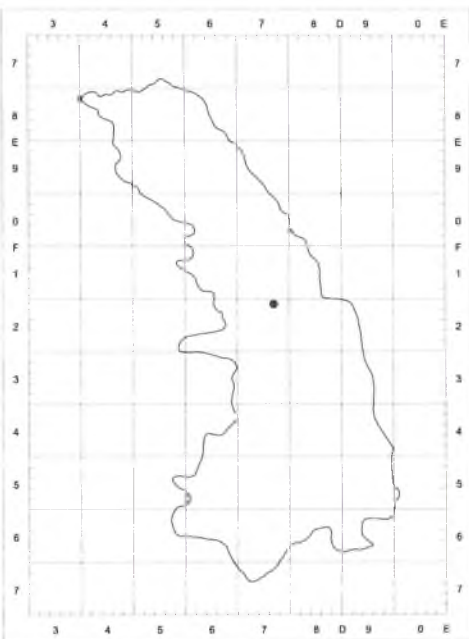
403. *Cuscuta epithymum* (L.) L. s. str.



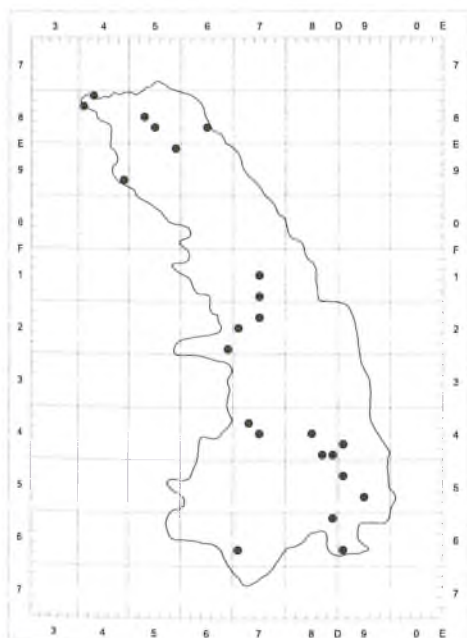
404. *Cuscuta europaea* L.



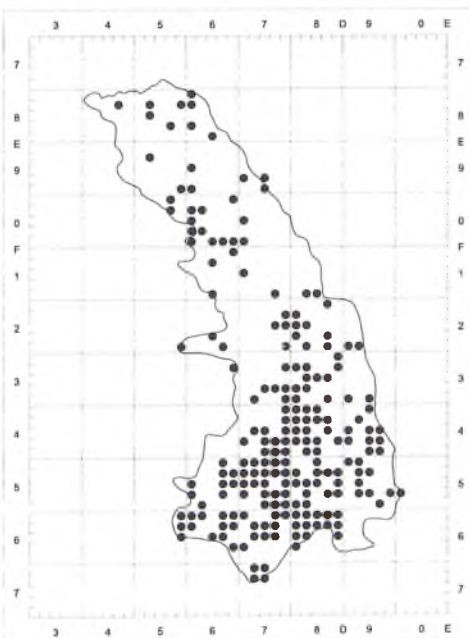
405. *Cuscuta lupuliformis* Krock.



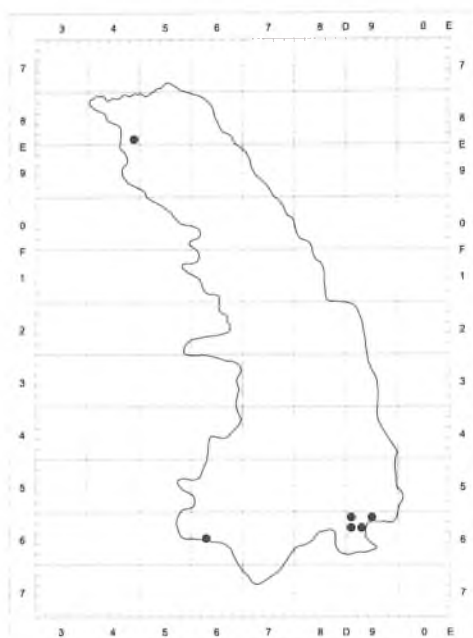
406. ** *Cymbalaria muralis* P. Gaertn.,
B. Mey. & Scherb.



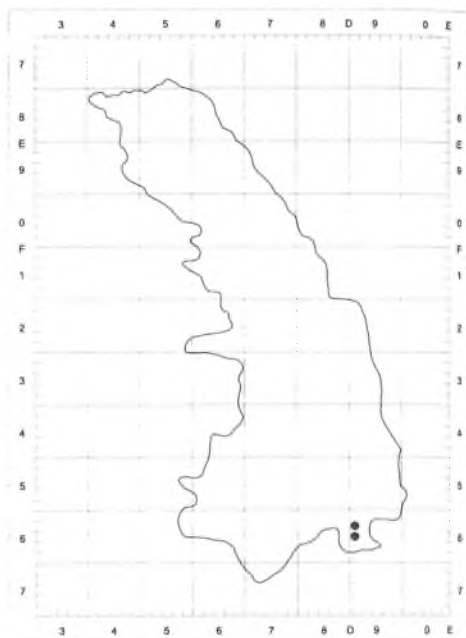
407. *Cynoglossum officinale* L.



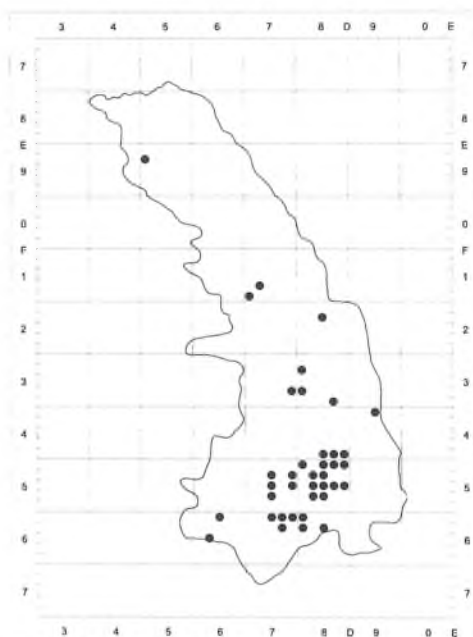
408. *Cynosurus cristatus* L.



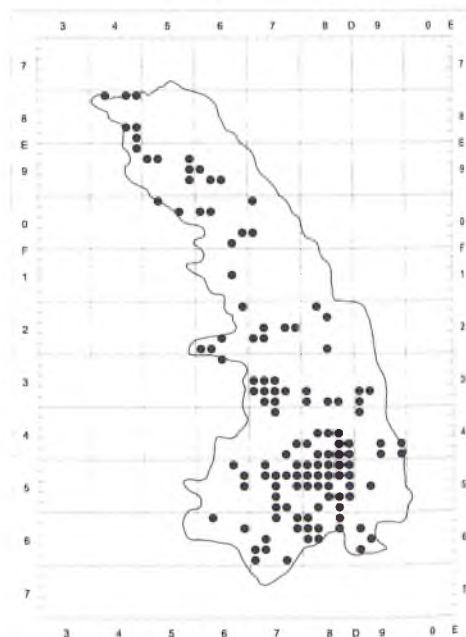
409. *Cyperus flavescent* L.



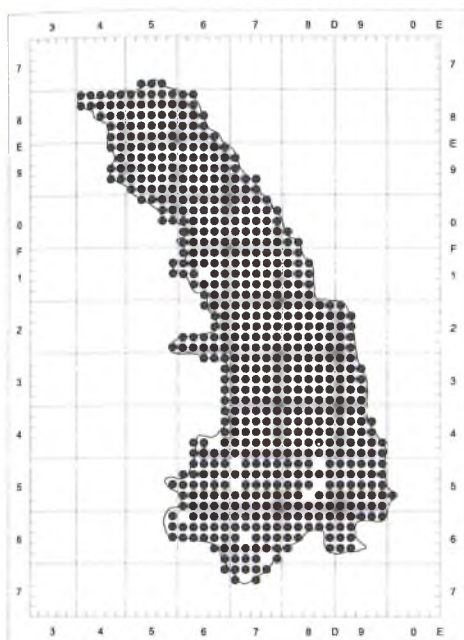
410. *Cyperus fuscus* L.



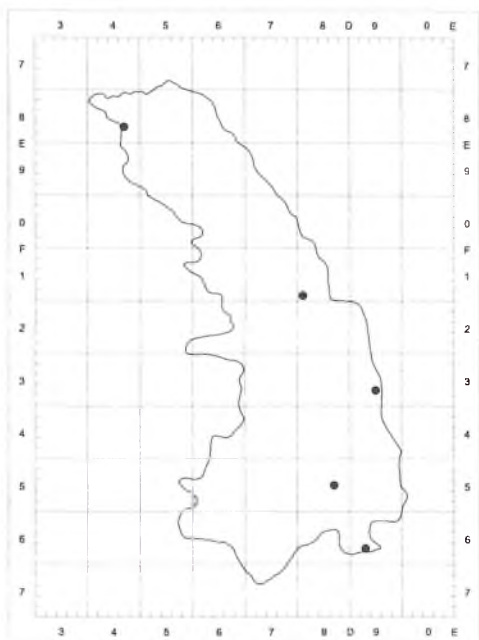
411. *Cypripedium calceolus* L.



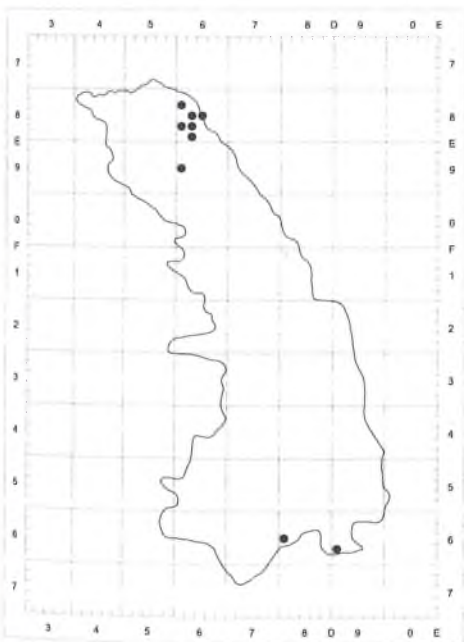
412. *Cystopteris fragilis* (L.) Bernh.



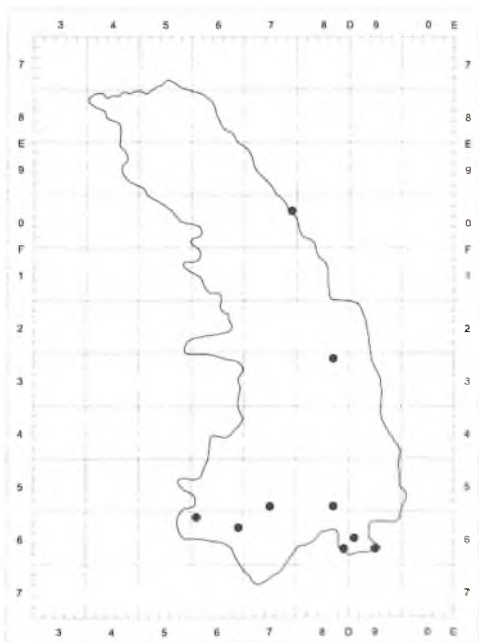
413. *Dactylis glomerata* L.



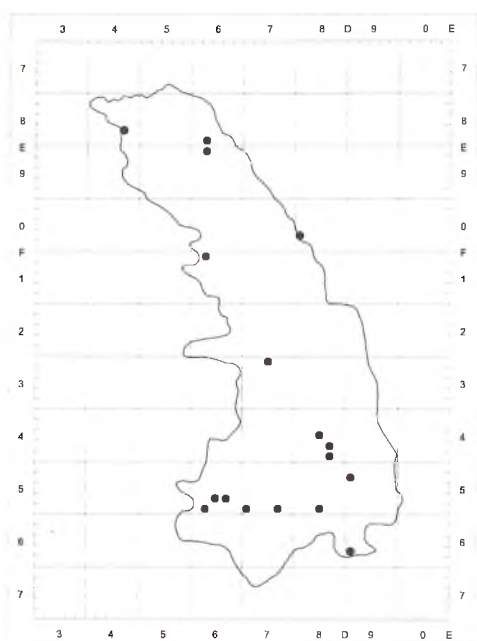
414. *Dactylis polygama* Horv.



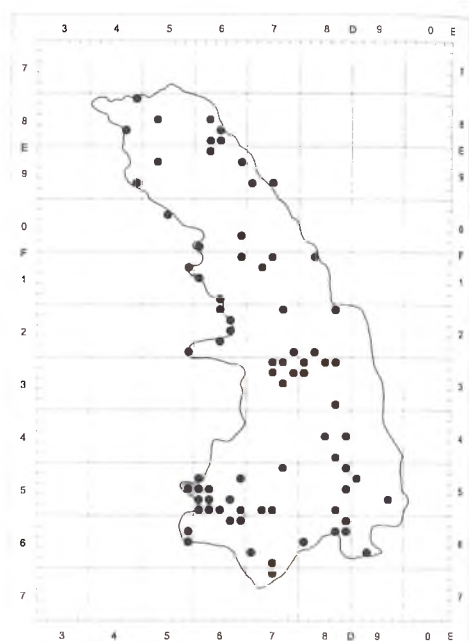
415. *Dactylorhiza fuchsii* (Druce) Soó



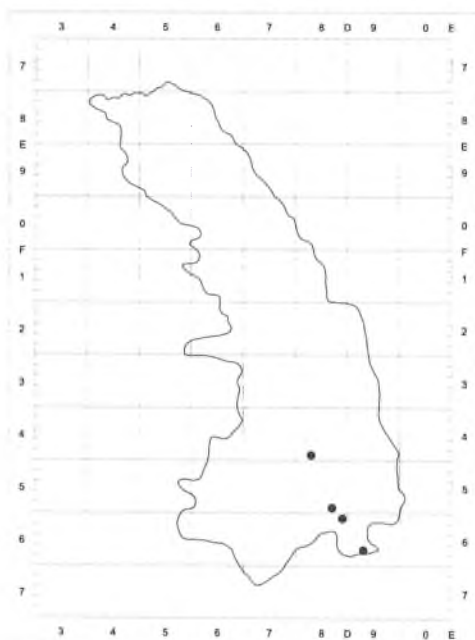
416. *Dactylorhiza incarnata* (L.) Soó



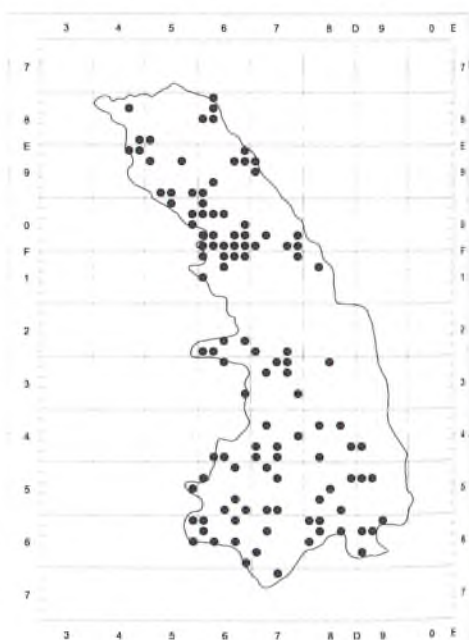
417. *Dactylorhiza maculata* (L.) Soó



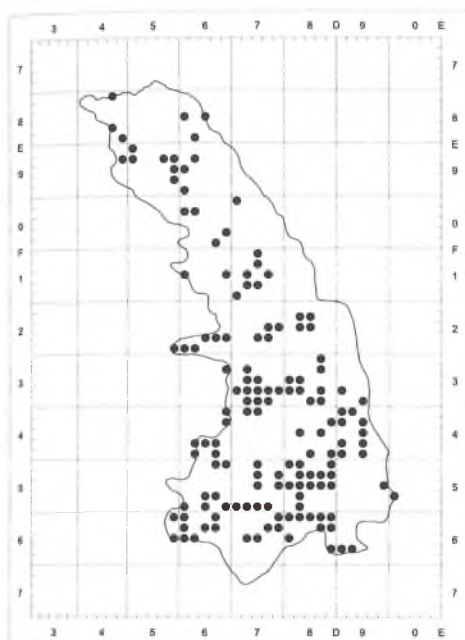
418. *Dactylorhiza majalis* (Rchb.)
P. F. Hunt. & Summerh.



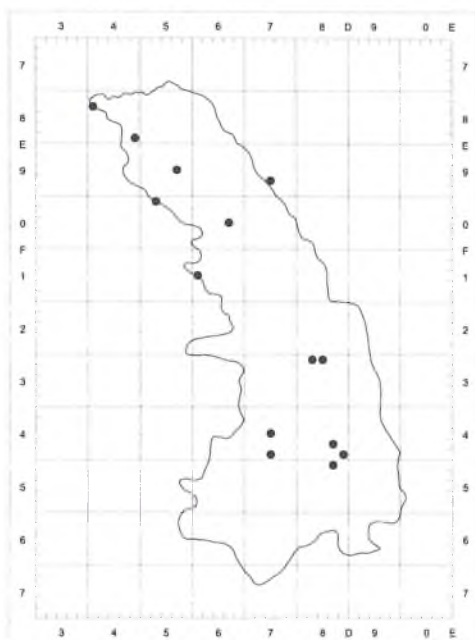
419. + *Dactylorhiza sambucina* (L.) Soó



420. *Danthonia decumbens* DC.



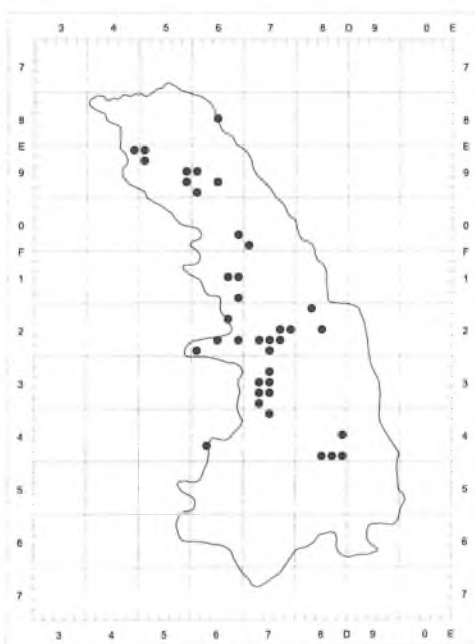
421. *Daphne mezereum* L.



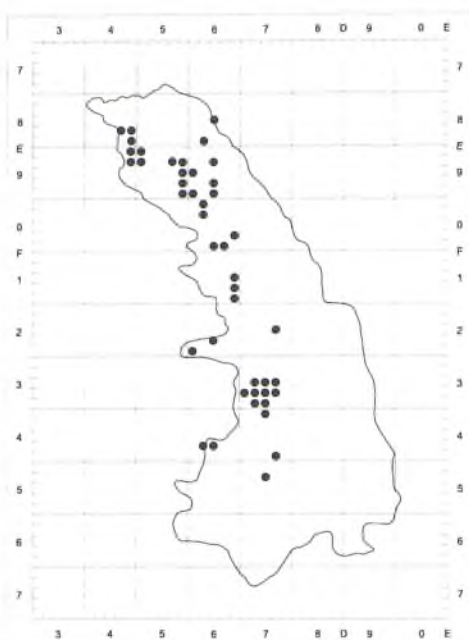
422. * *Datura stramonium* L.



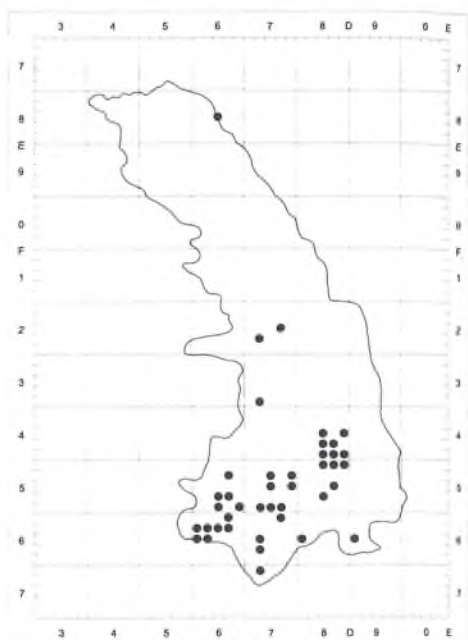
423. *Daucus carota* L.



424. *Dentaria bulbifera* L.



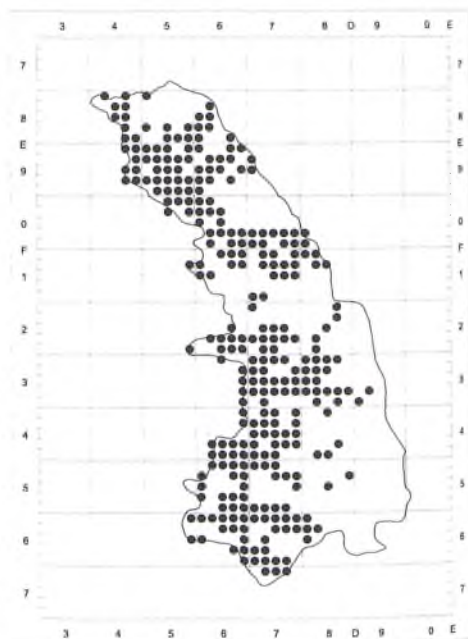
425. *Dentaria enneaphyllos* L.



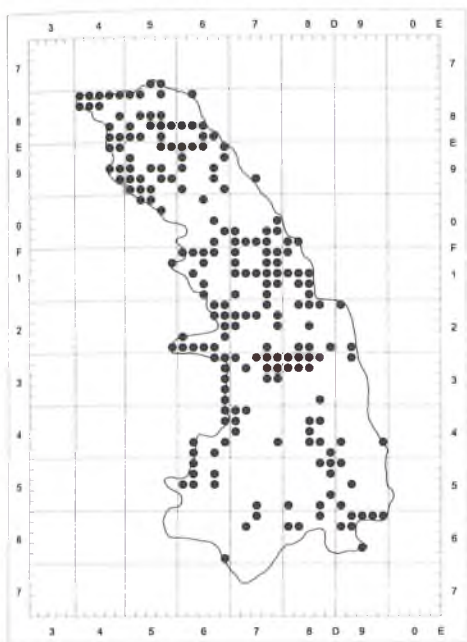
426. *Dentaria glandulosa*
Waldst. & Kit.



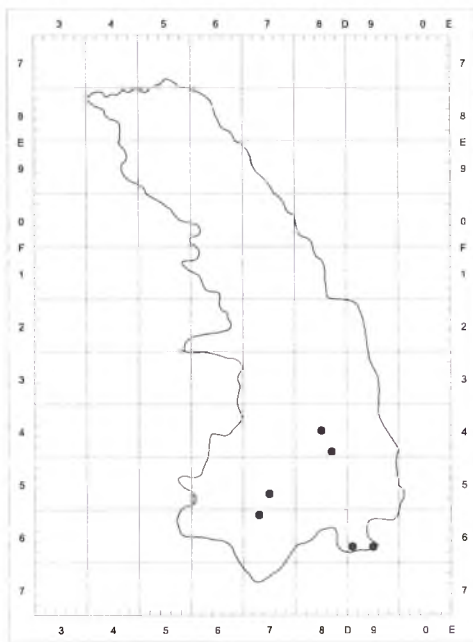
427. *Deschampsia caespitosa* (L.)
P. Beauv.



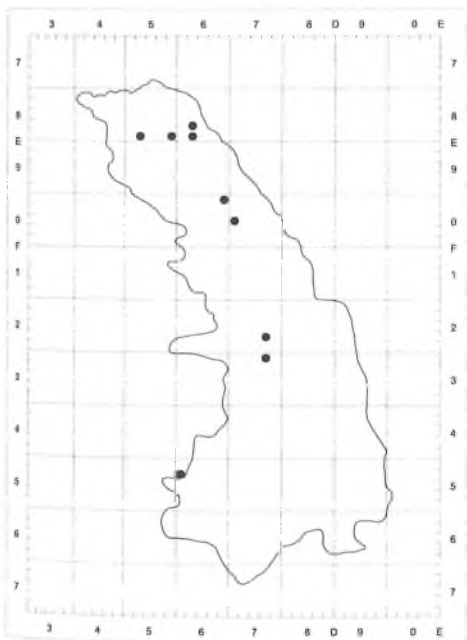
428. *Deschampsia flexuosa* (L.) Trin.



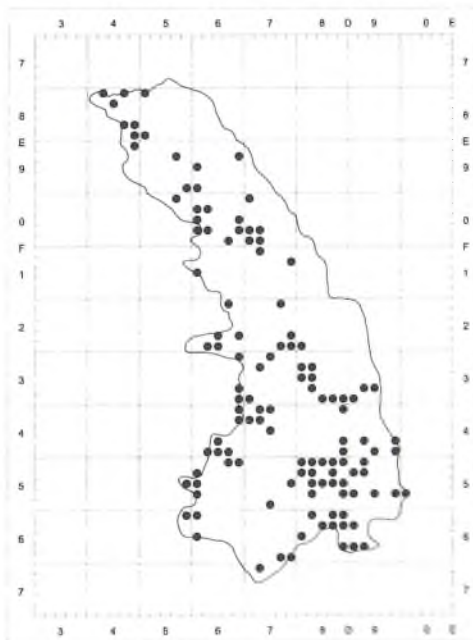
429. * *Descurainia sophia* (L.)
Webb ex Prantl



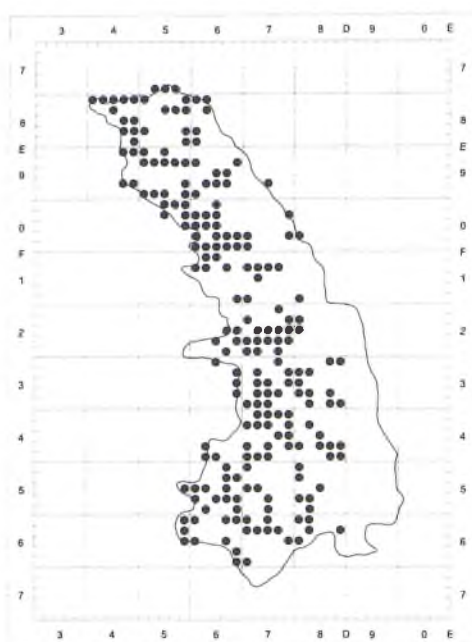
430. *Dianthus armeria* L.



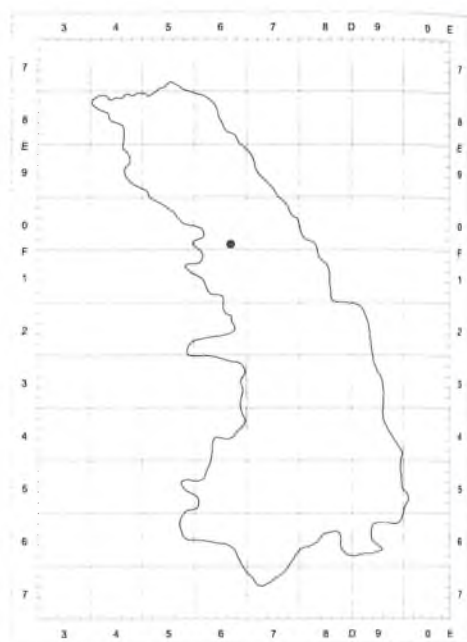
431. ** *Dianthus barbatus* L. s. str.



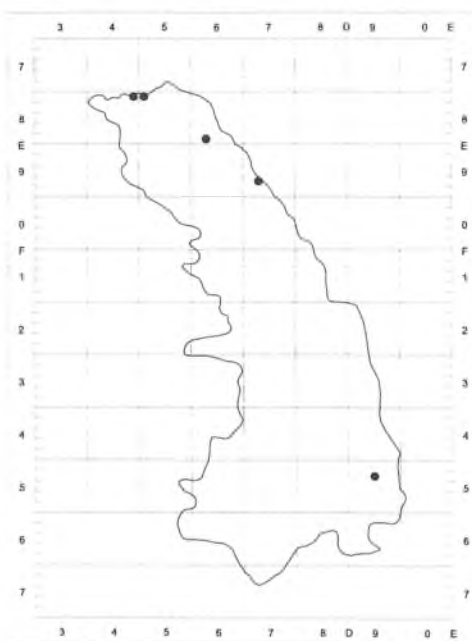
432. *Dianthus carthusianorum* L.



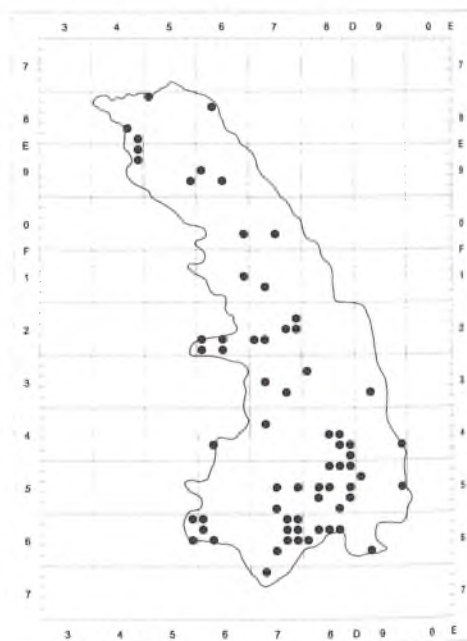
433. *Dianthus deltoides* L.



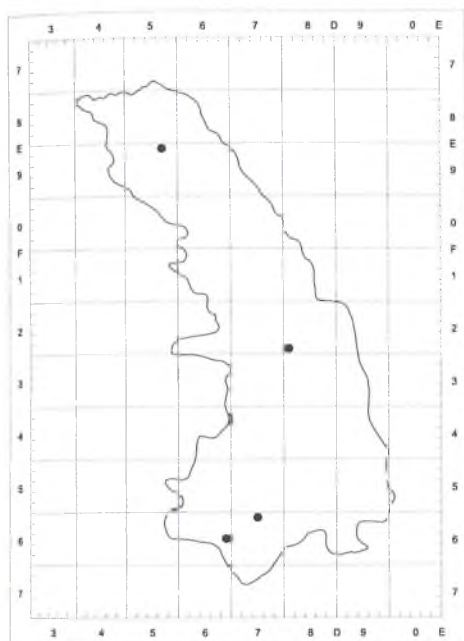
434. *Dianthus gratianopolitanus* Vill.



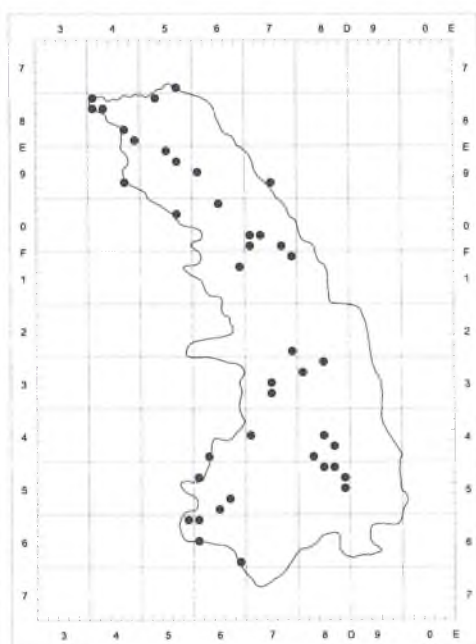
435. *Dianthus superbus* L. s. str.



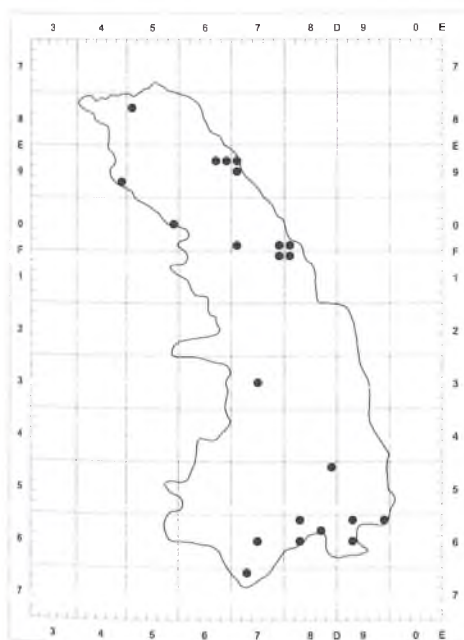
436. *Digitalis grandiflora* Mill.



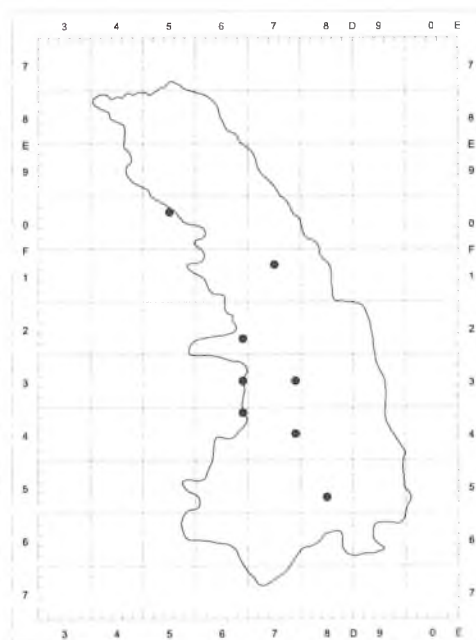
437. ** *Digitalis purpurea* L.



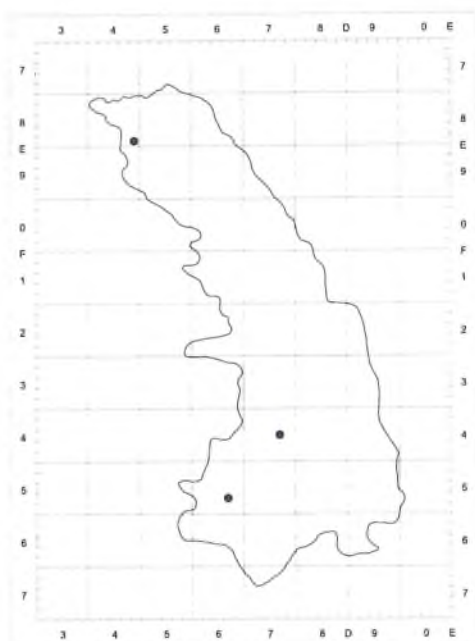
438. * *Digitaria ischaemum* (Schreb.)
H. L. Mühl.



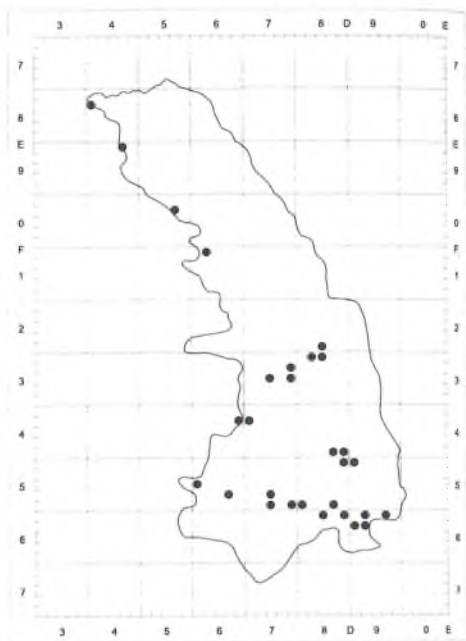
439. * *Digitaria sanguinalis* (L.) Scop.



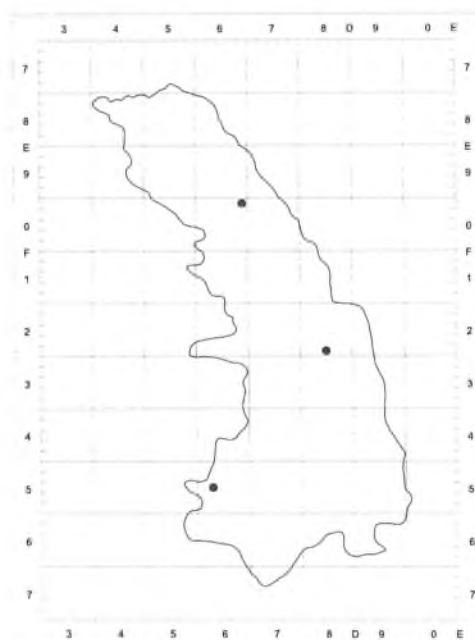
440. *Diphysastrum complanatum* (L.)
Holub



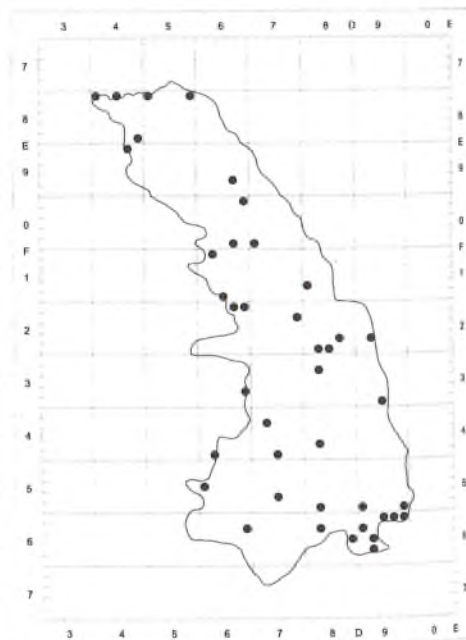
441. *Diphasiastrum tristachyum* (Pursh) Holub



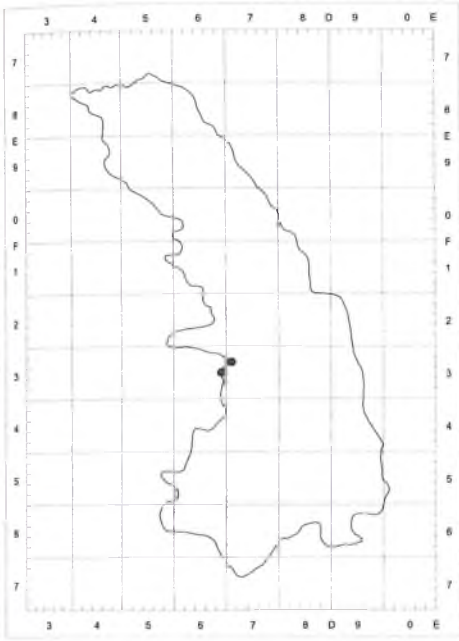
442. ** *Diplotaxis muralis* (L.) DC.



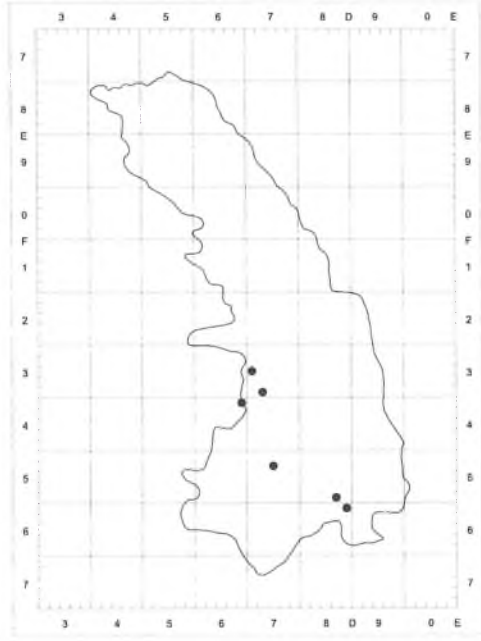
443. ** *Diplotaxis tenuifolia* (L.) DC.



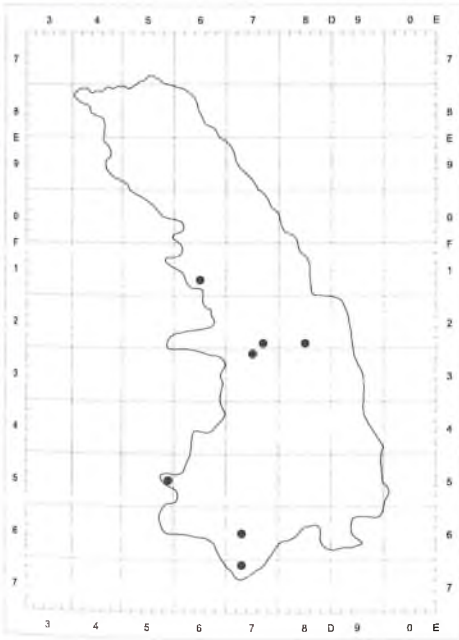
444. *Dipsacus sylvestris* Huds.



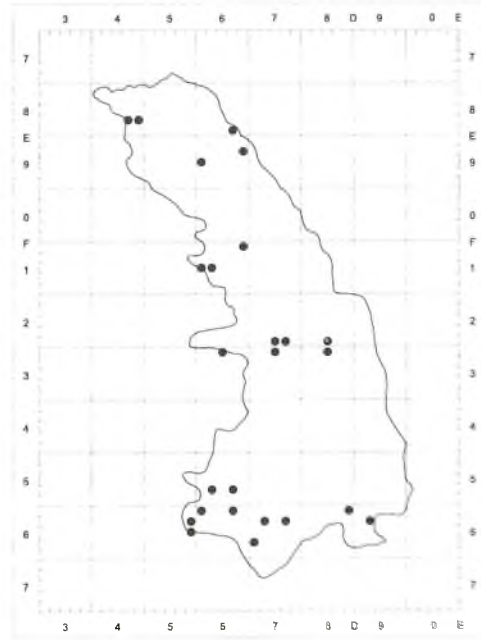
445. *Doronicum austriacum* Jacq.



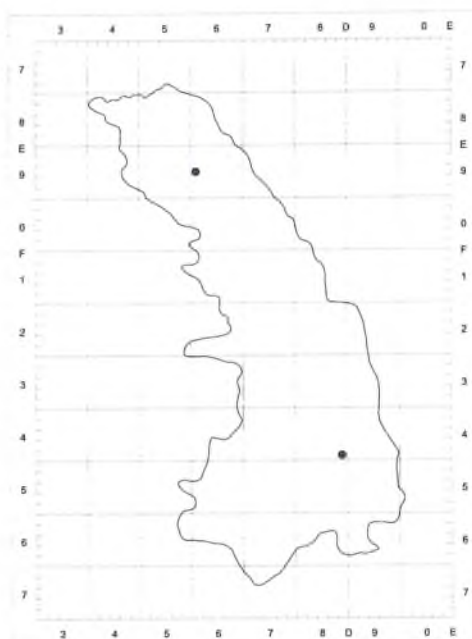
446. *Draba nemorosa* L.



447. *Drosera anglica* Huds.



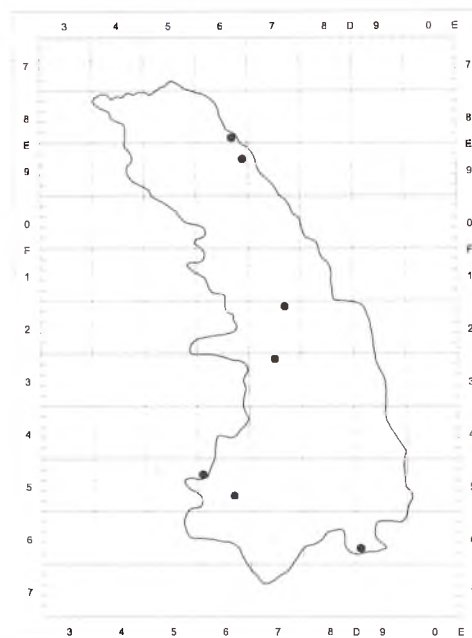
448. *Drosera rotundifolia* L.



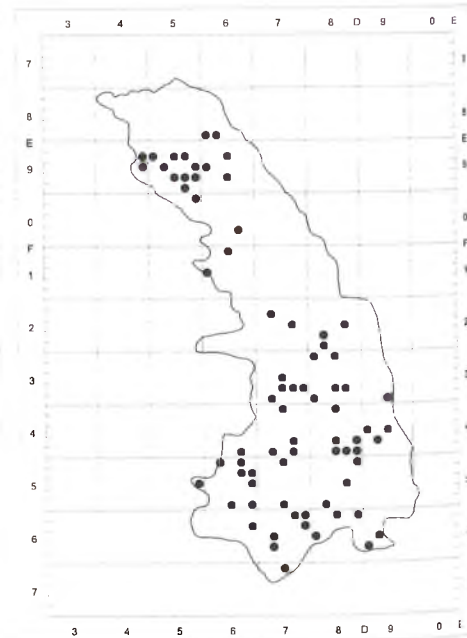
449. *Dryopteris affinis* (Lowe)
Fraser-Jenk.



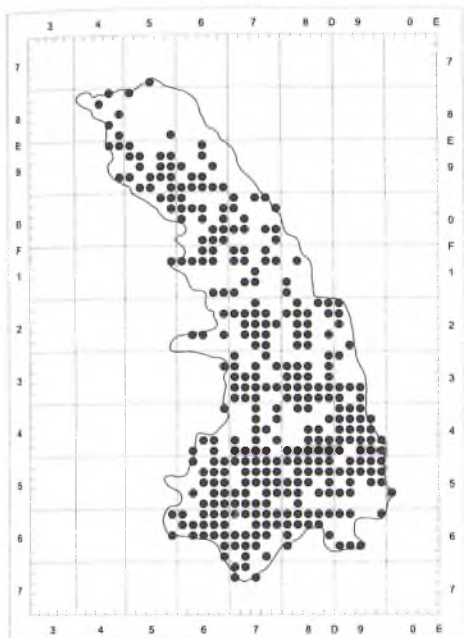
450. *Dryopteris carthusiana* (Vill.)
H. P. Fuchs



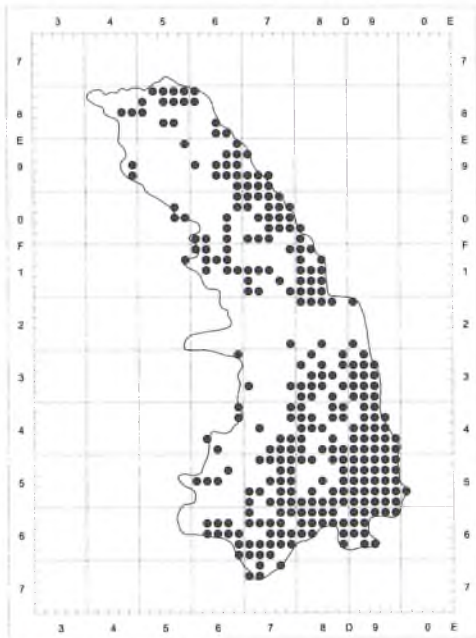
451. *Dryopteris cristata* (L.) A. Gray



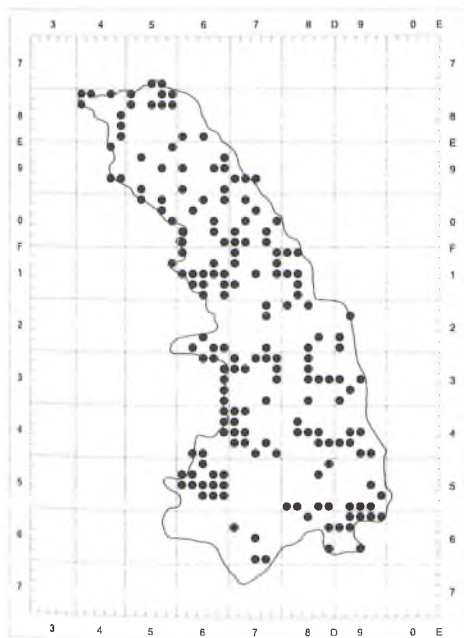
452. *Dryopteris dilatata* (Hoffm.)
A. Gray



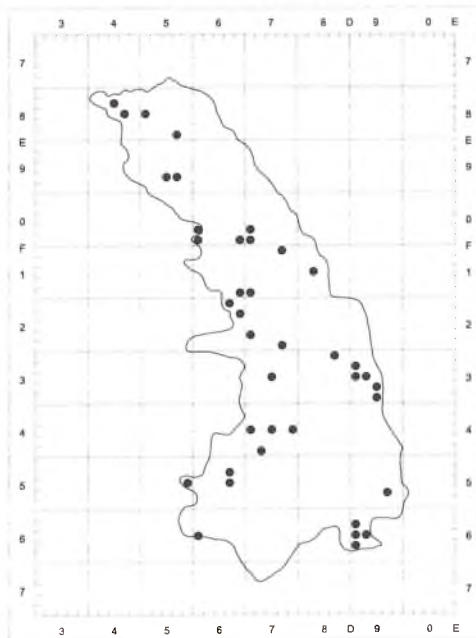
453. *Dryopteris filix-mas* (L.) Schott



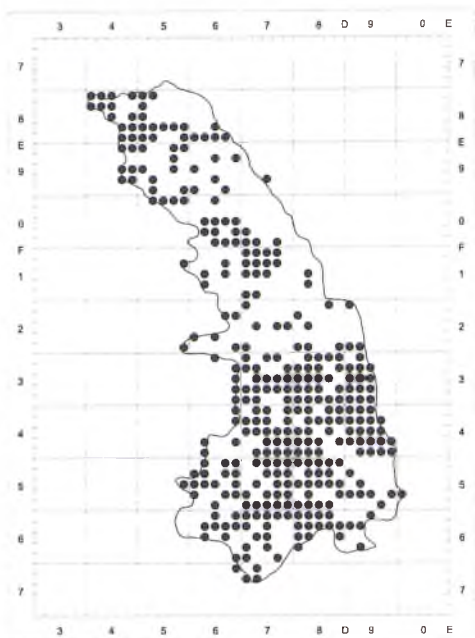
454. * *Echinochloa crus-galli* (L.)
P. Beauv.



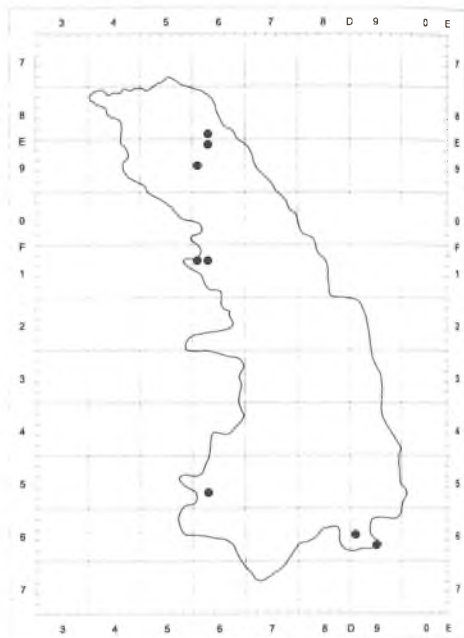
455. ** *Echinocystis lobata* (F. Michx.)
Torr. & A. Gray



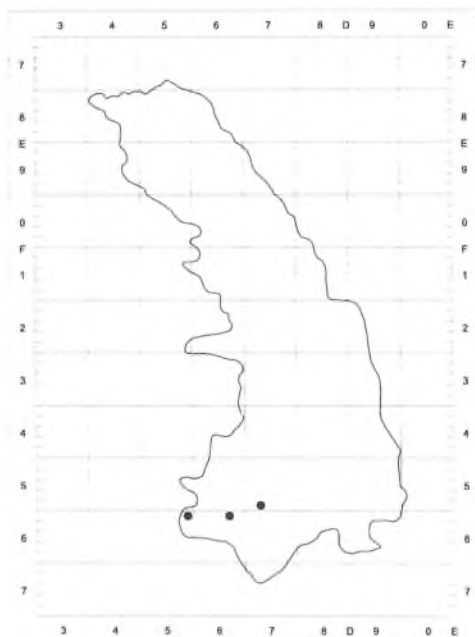
456. ** *Echinops sphaerocephalus* L.



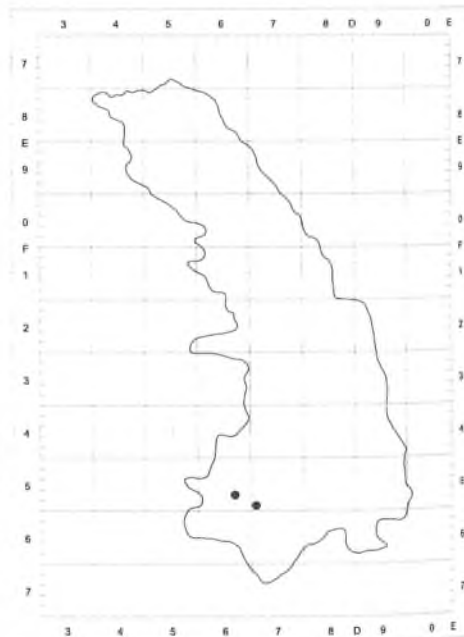
457. *Echium vulgare* L.



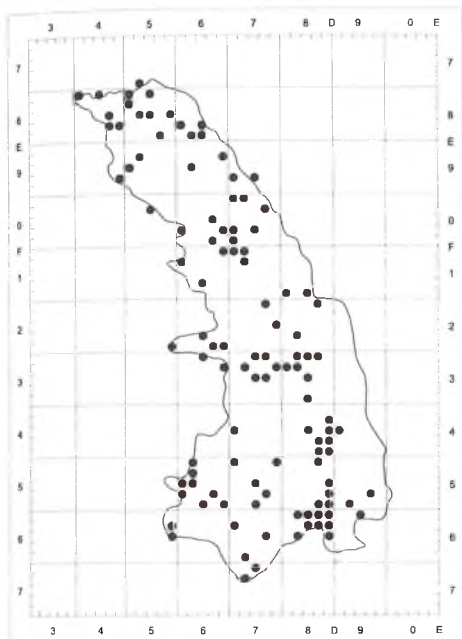
458. *Eleocharis acicularis* (L.)
Roem. & Schult.



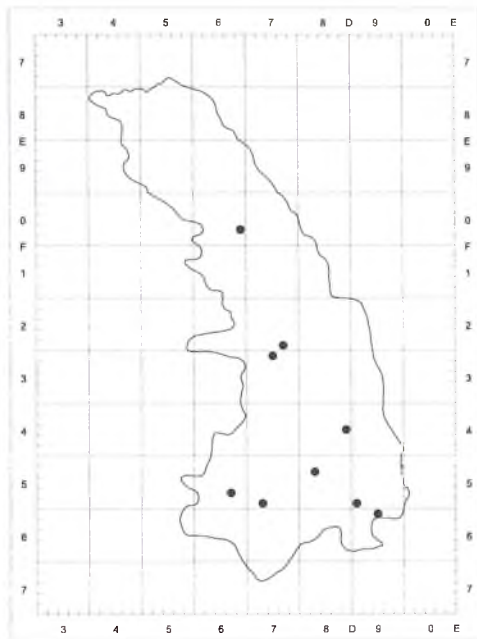
459. *Eleocharis mamillata* (H. Lindb.)
H. Lindb. ex Dörf. s. str.



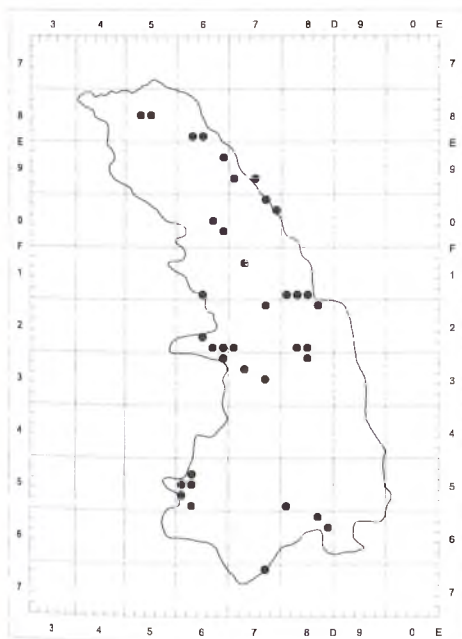
460. + *Eleocharis ovata* (Roth)
Roem. & Schult.



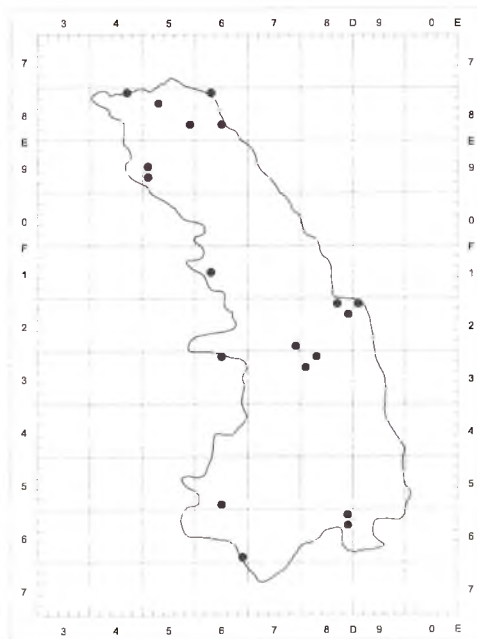
461. *Eleocharis palustris* (L.)
Roem. & Schult.



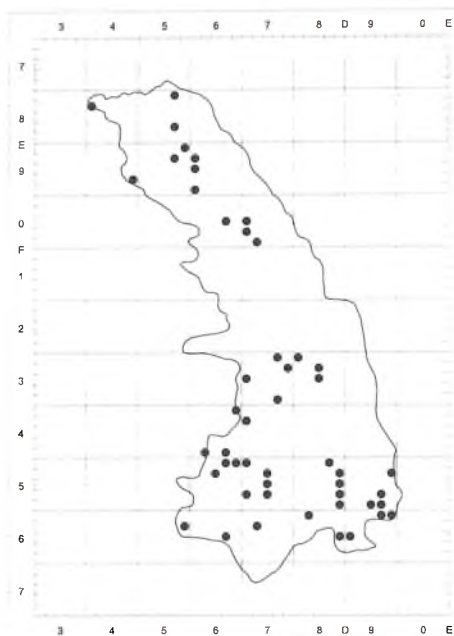
462. *Eleocharis quinqueflora*
(Hartmann) O. Schwarz



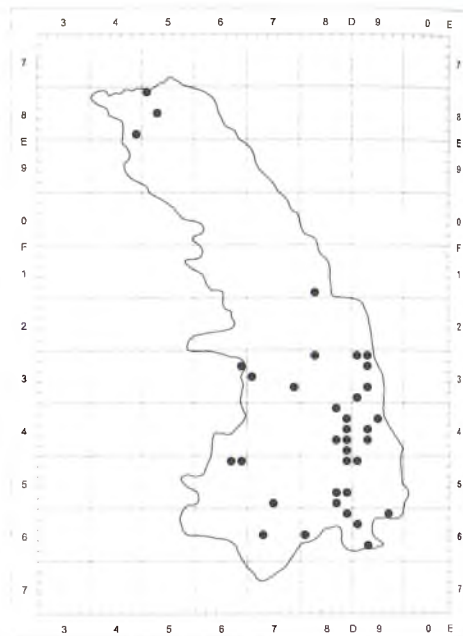
463. *Eleocharis uniglumis* (Link)
Schult.



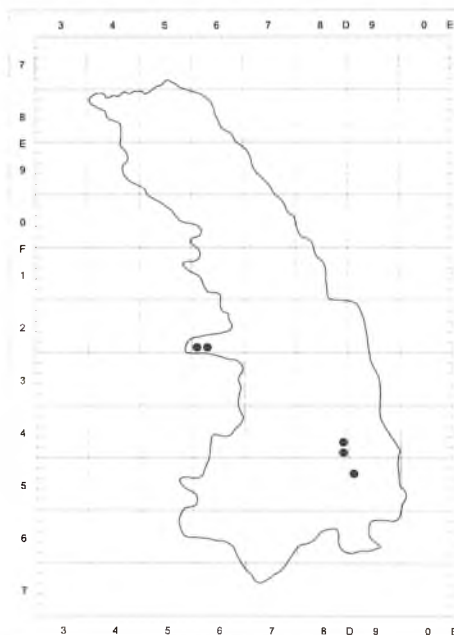
464. ** *Elodea canadensis* Michx.



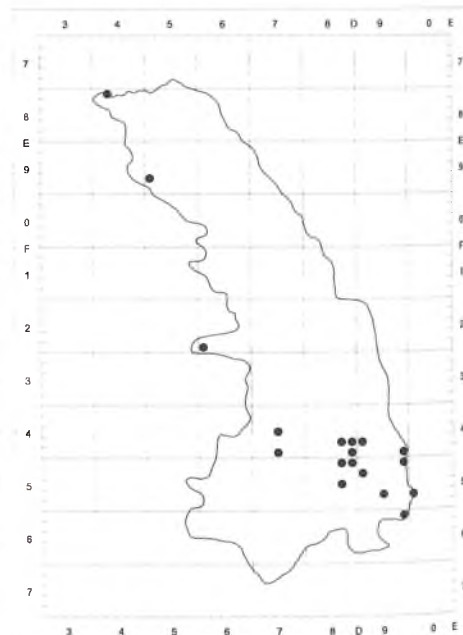
465. ** *Elsholtzia ciliata* (Thunb.) Hyl.



466. *Elymus caninus* (L.) L.



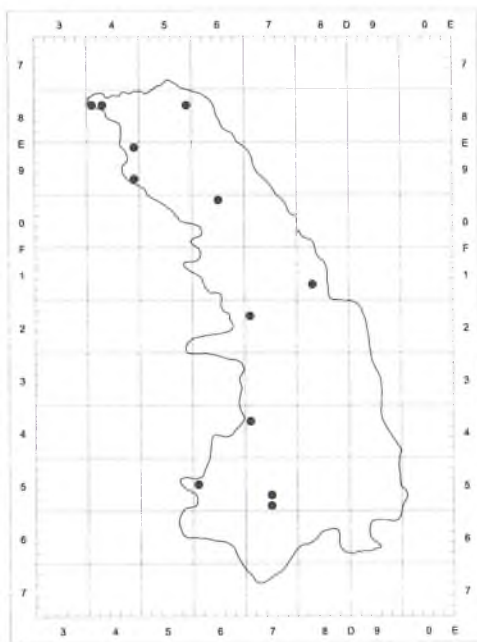
467. *Elymus hispidus* (Opiz) Melderis
subsp. *barbulatus* (Schur) Melderis



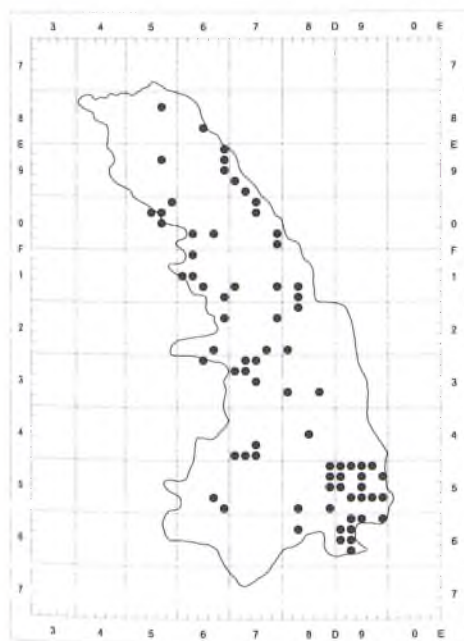
468. *Elymus hispidus* (Opiz)
Melderis subsp. *hispidus*



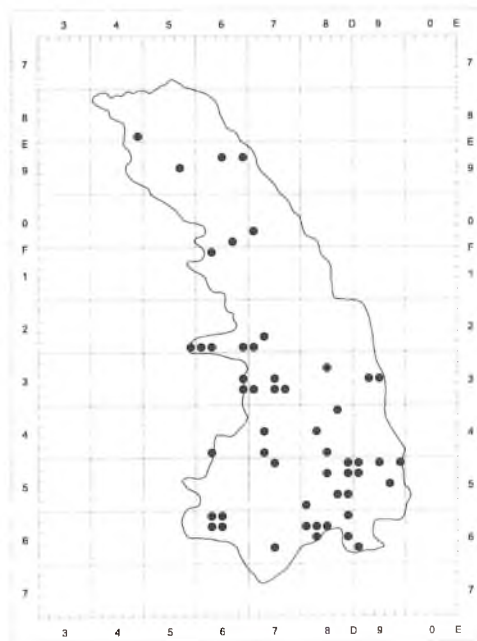
469. *Elymus repens* (L.) Gould



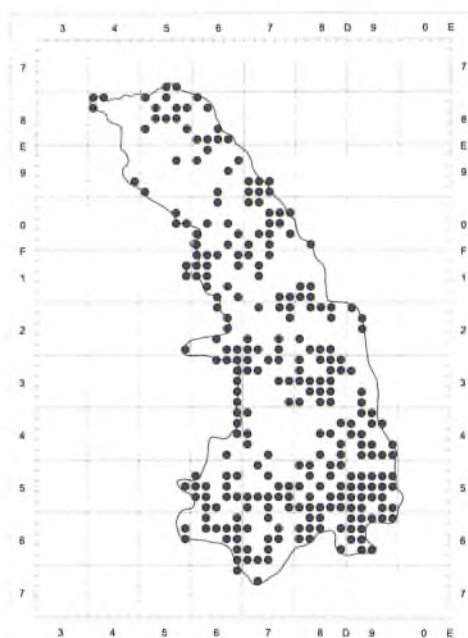
470. *Epilobium adnatum* Griseb.



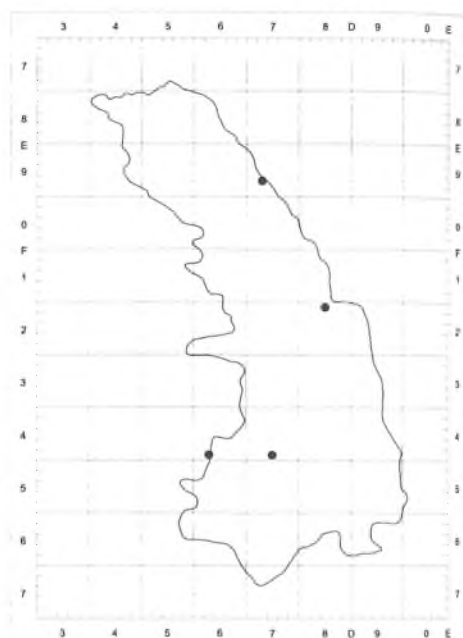
471. ** *Epilobium ciliatum* Raf.



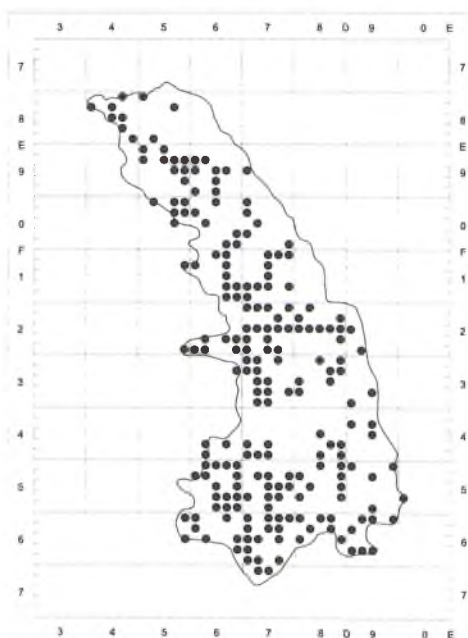
472. *Epilobium collinum* C. C. Gmel.



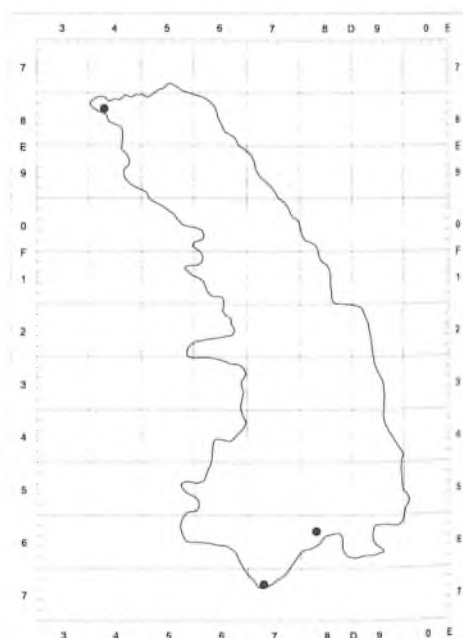
473. *Epilobium hirsutum* L.



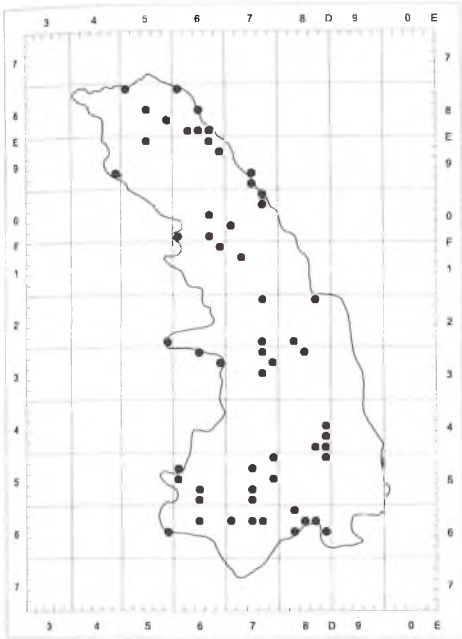
474. *Epilobium lamyi* F. W. Schultz



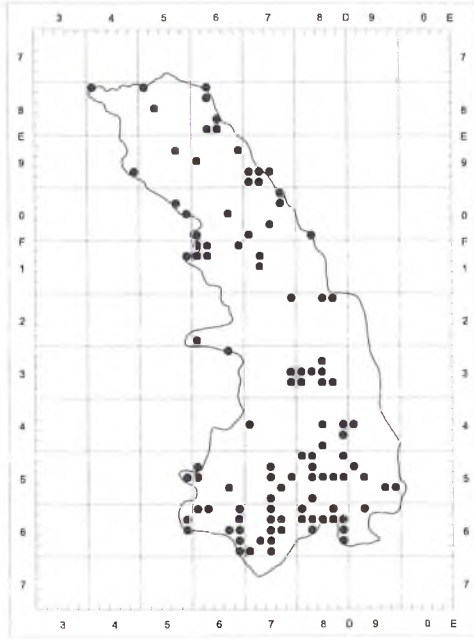
475. *Epilobium montanum* L.



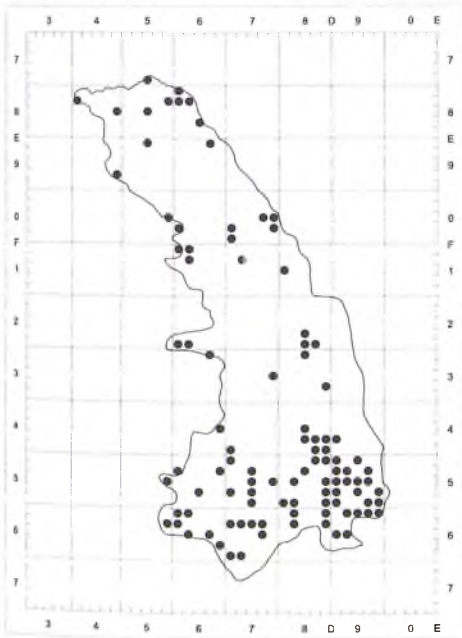
476. *Epilobium obscurum* Schreb.



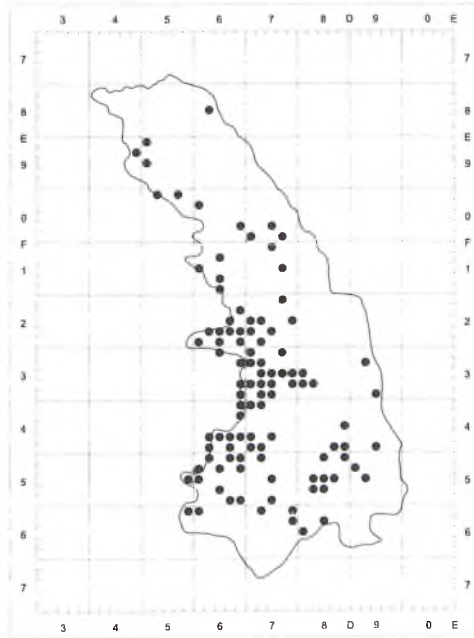
477. *Epilobium palustre* L.



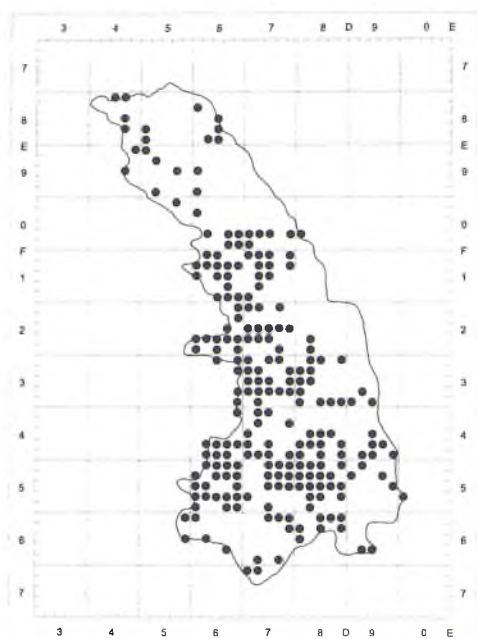
478. *Epilobium parviflorum* Schreb.



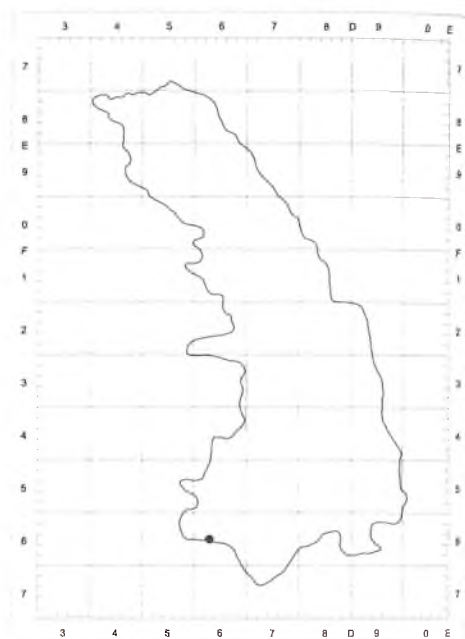
479. *Epilobium roseum* SCHREB.



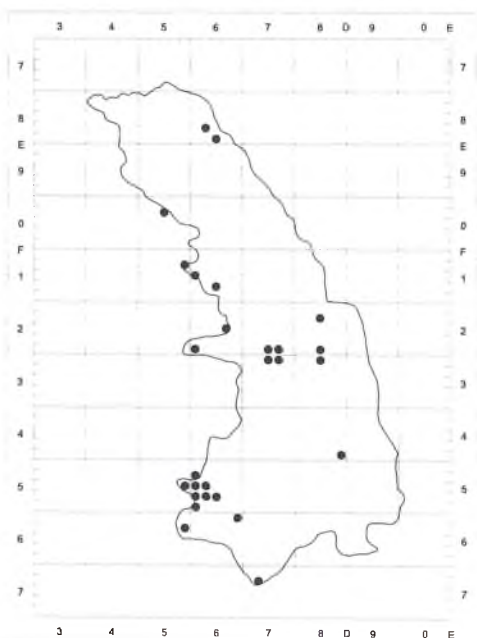
480. *Epipactis atrorubens* (Hoffm.)
Besser



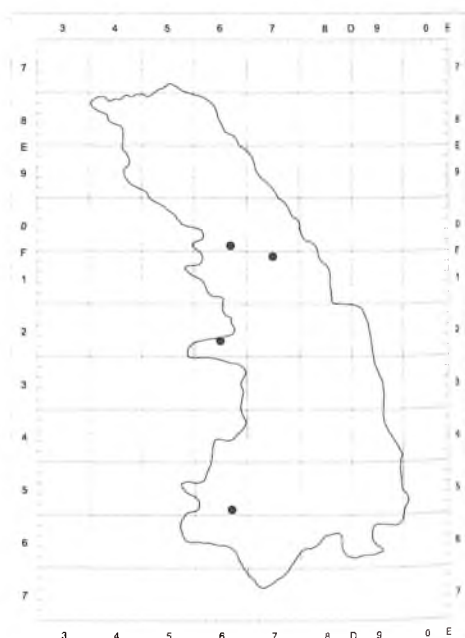
481. *Epipactis helleborine* (L.)
Crantz s. str.



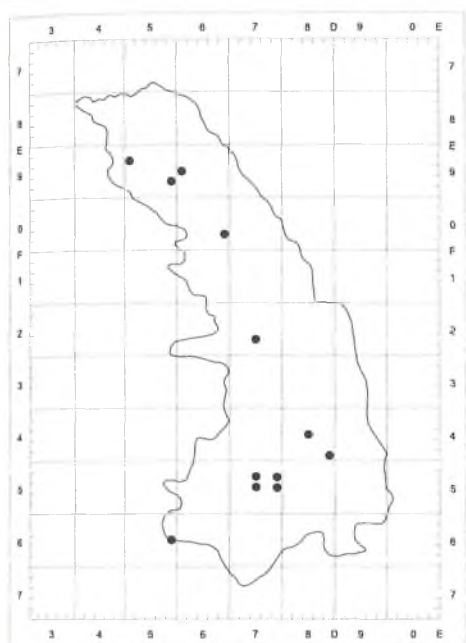
482. *Epipactis microphylla* (Ehrh.) Sw.



483. *Epipactis palustris* (L.) Crantz



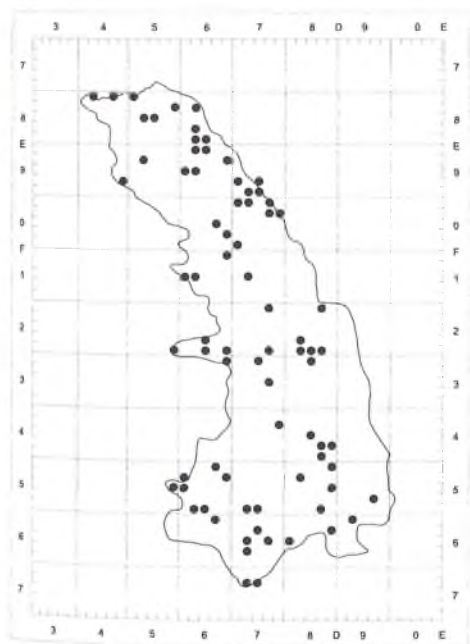
484. *Epipactis* $\times$ *schmalhauseni*
K. Richt.



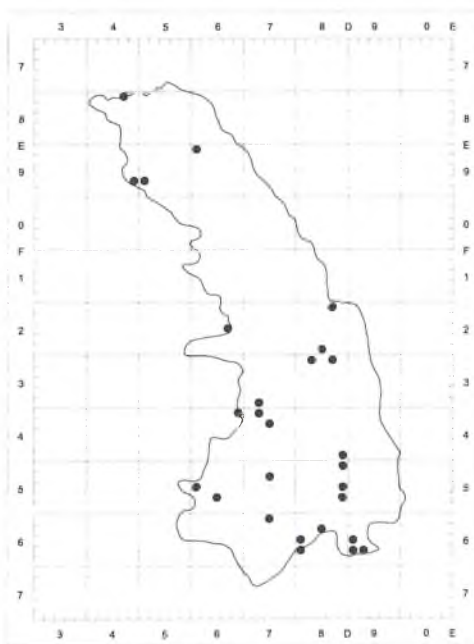
485. *Epipogium aphyllum* Sw.



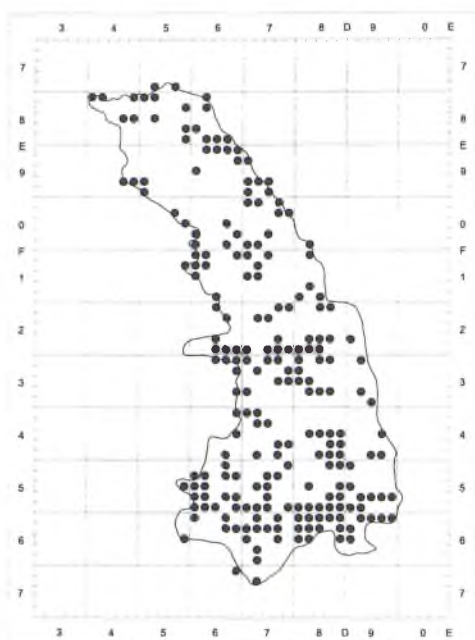
486. *Equisetum arvense* L.



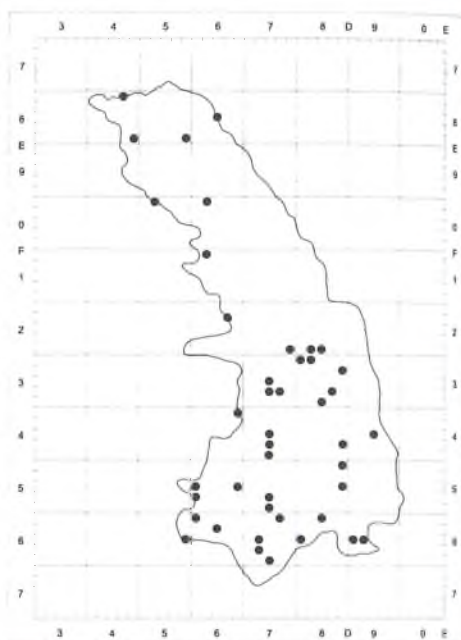
487. *Equisetum fluviatile* L.



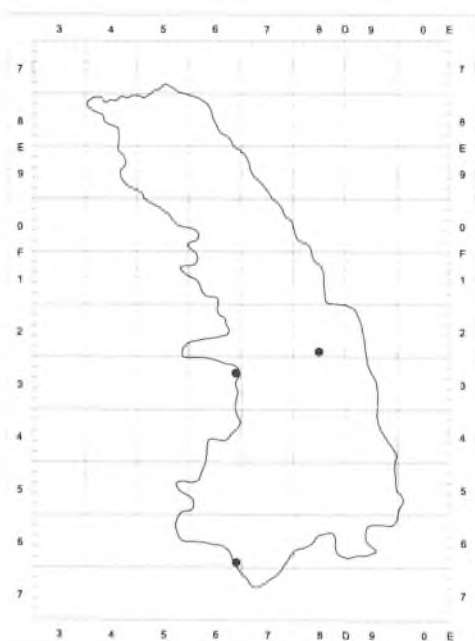
488. *Equisetum hyemale* L.



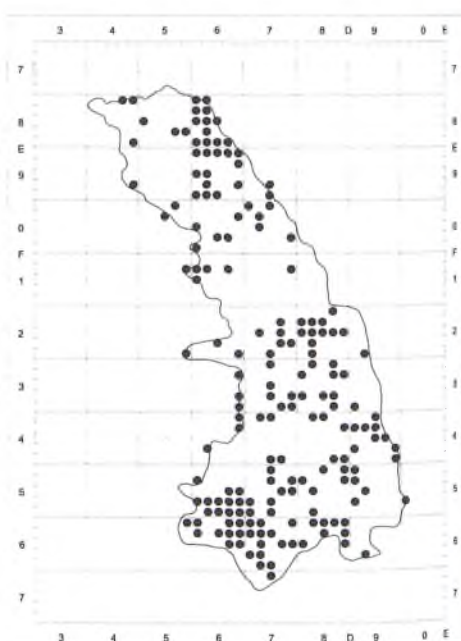
489. *Equisetum palustre* L.



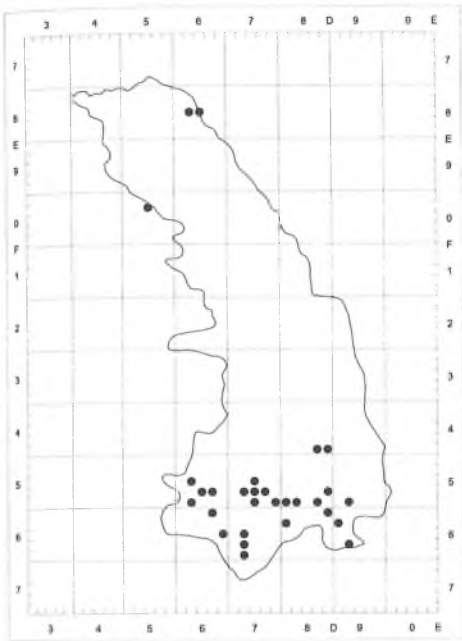
490. *Equisetum pratense* Ehrh.



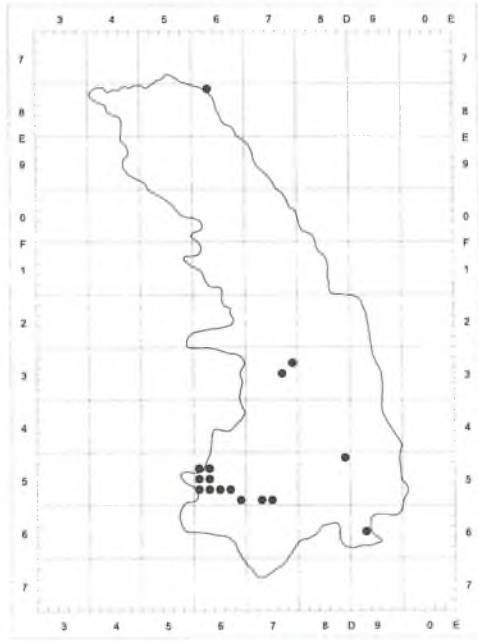
491. *Equisetum ramosissimum* Desf.



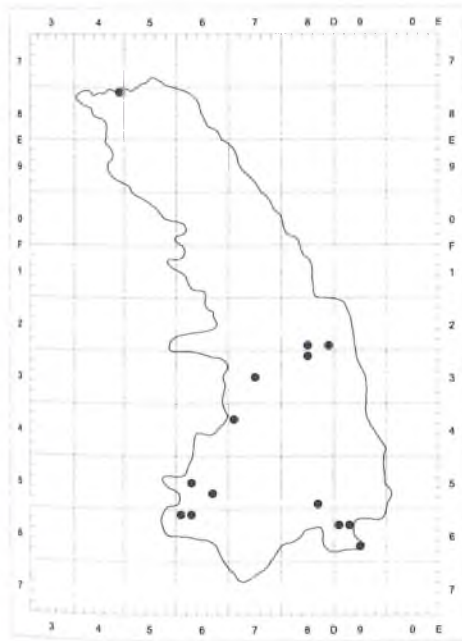
492. *Equisetum sylvaticum* L.



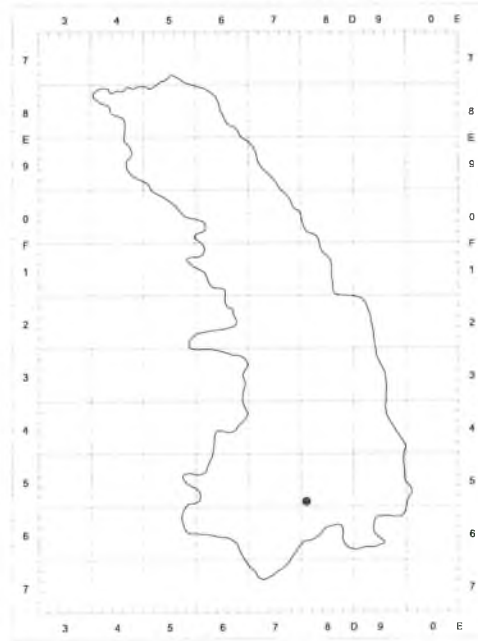
493. *Equisetum telmateia* Ehrh.



494. *Equisetum variegatum* Schleich.



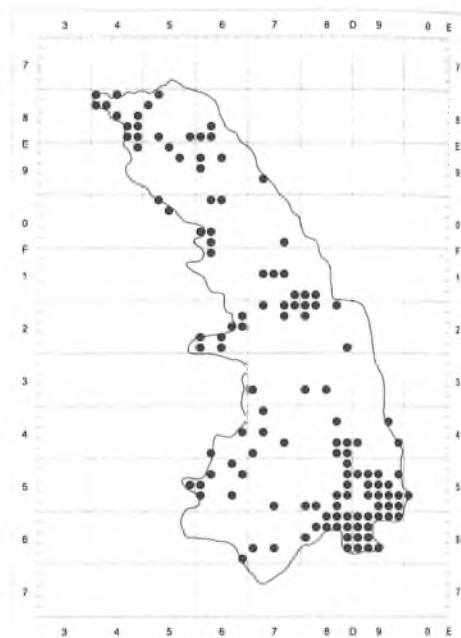
495. ** *Eragrostis minor* Host



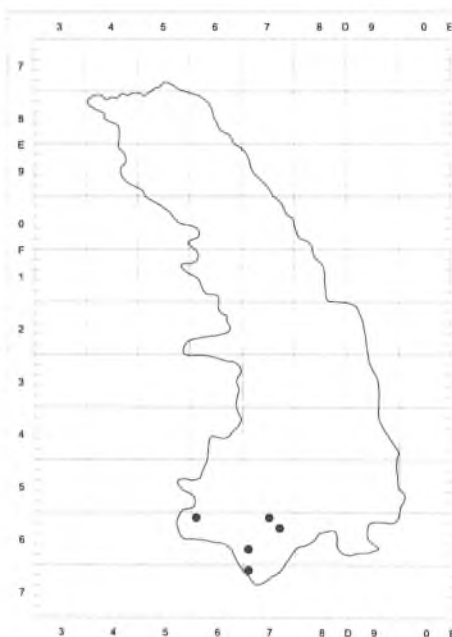
496. ** *Erechthites hieracifolia* (L.)
Raf. ex DC.



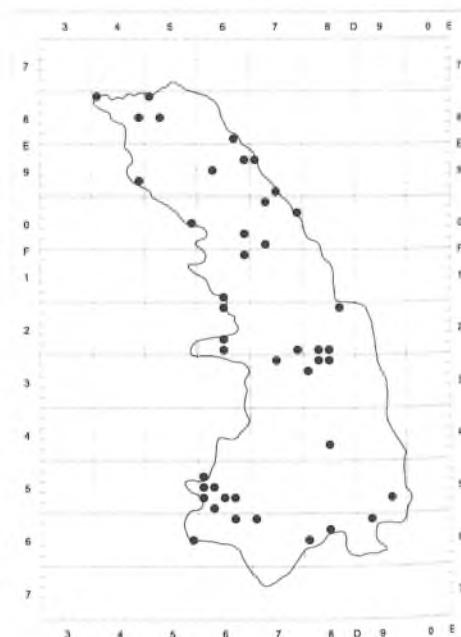
497. *Erigeron acris* L.



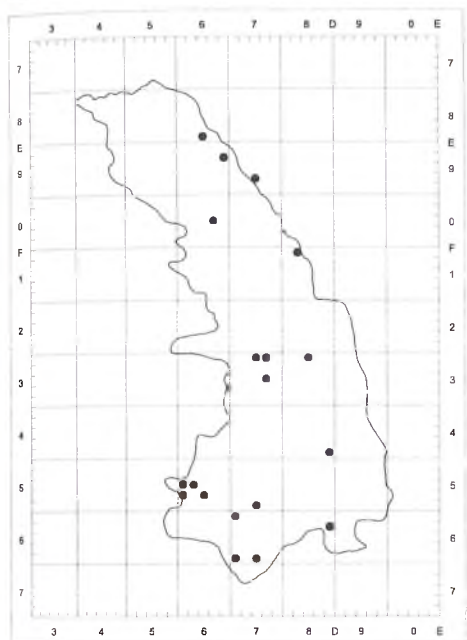
498. ** *Erigeron annuus* (L.) Pers.



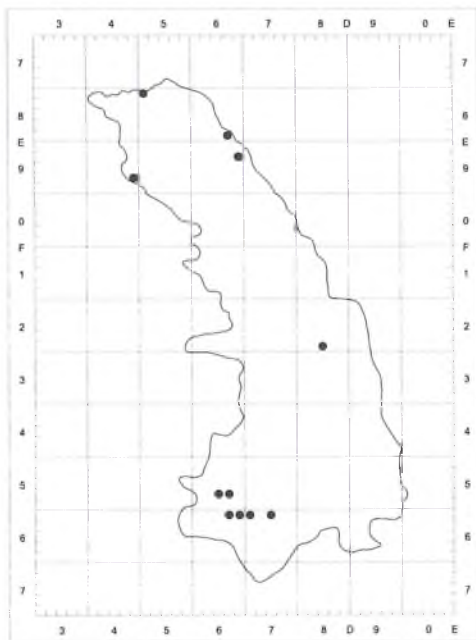
499. ** *Erigeron ramosus* (Walters)
Britton, Sterns. & Poggenb.



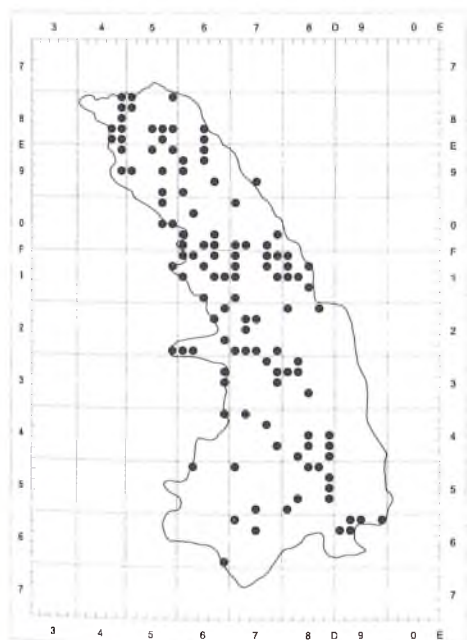
500. *Eriophorum angustifolium* Honck.



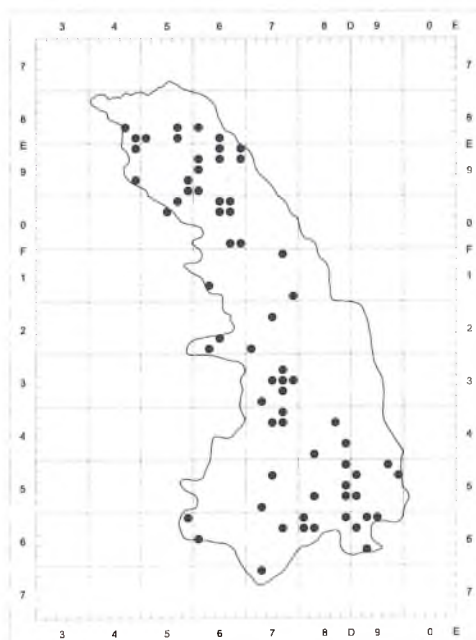
501. *Eriophorum latifolium* Hoppe



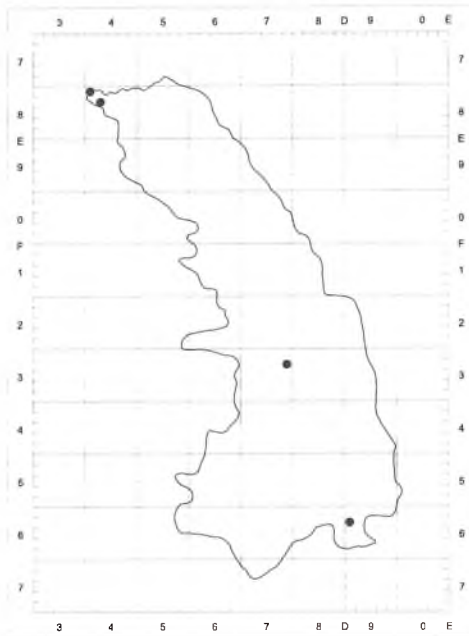
502. *Eriophorum vaginatum* L.



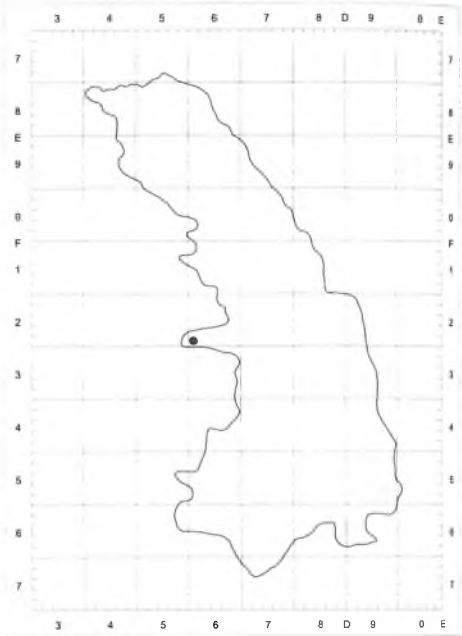
503. *Erodium cicutarium* (L.) L'Hér.



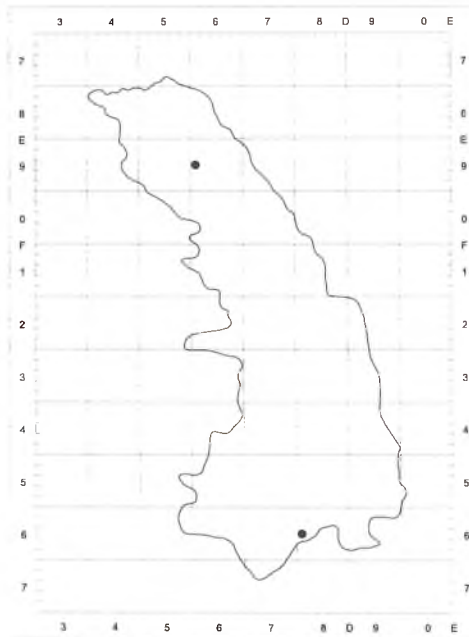
504. *Erophila verna* (L.) Chevall.



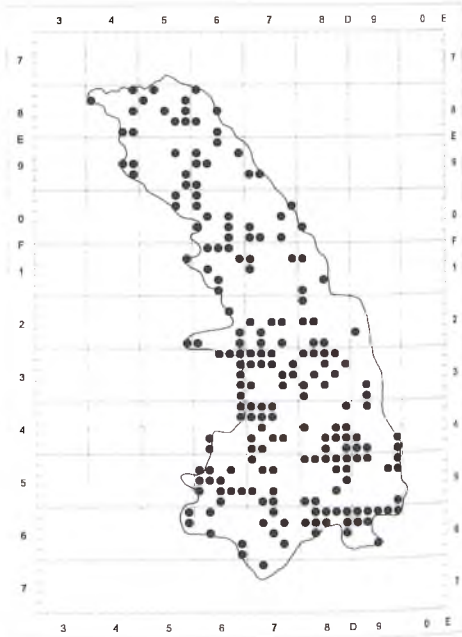
505. ** *Erucastrum gallicum* (Willd.)
O. E. Schulz



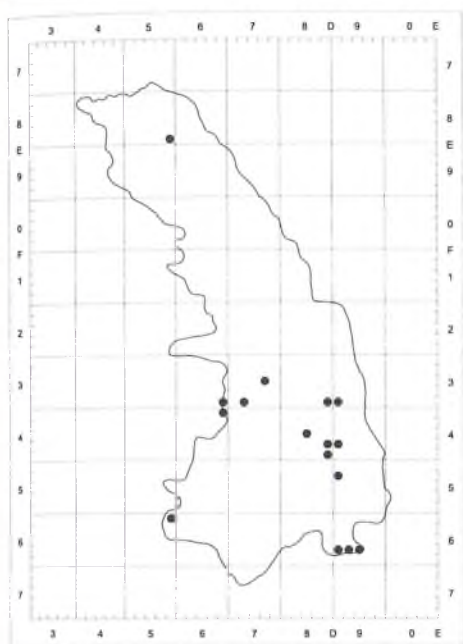
506. [*] *Eryngium campestre* L.



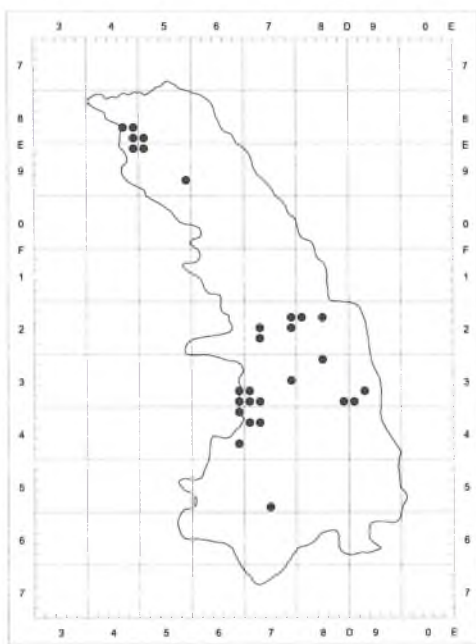
507. + *Eryngium planum* L.



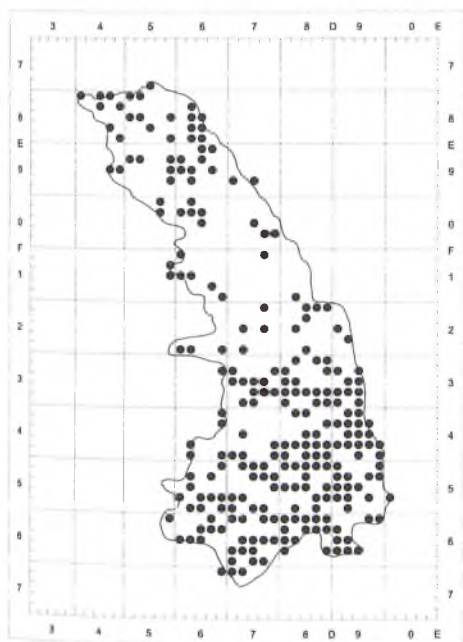
508. [*] *Erysimum cheiranthoides* L.



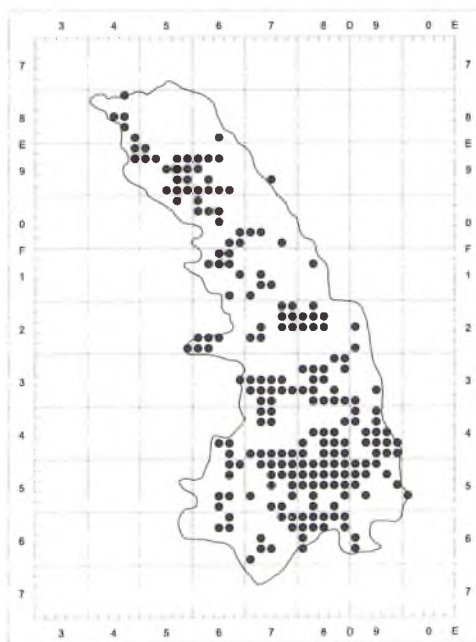
509. *Erysimum hieraciifolium* L.



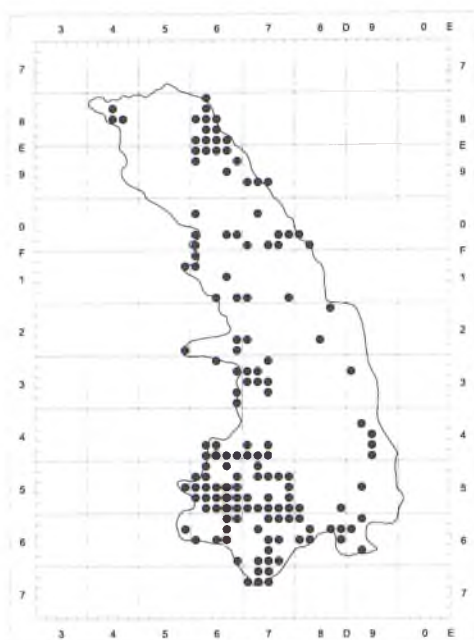
510. *Erysimum odoratum* Ehrh.



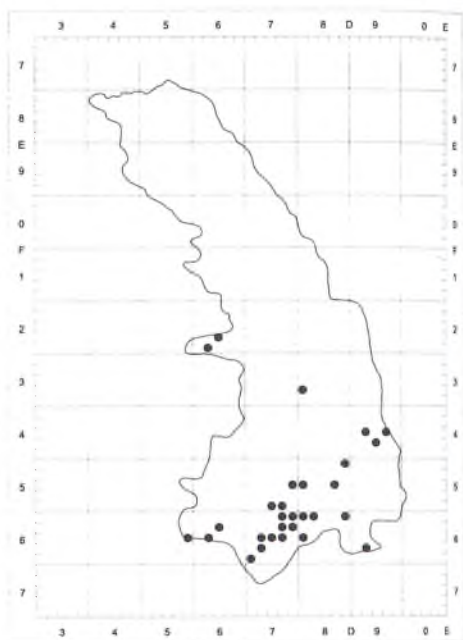
511. *Euonymus europaea* L.



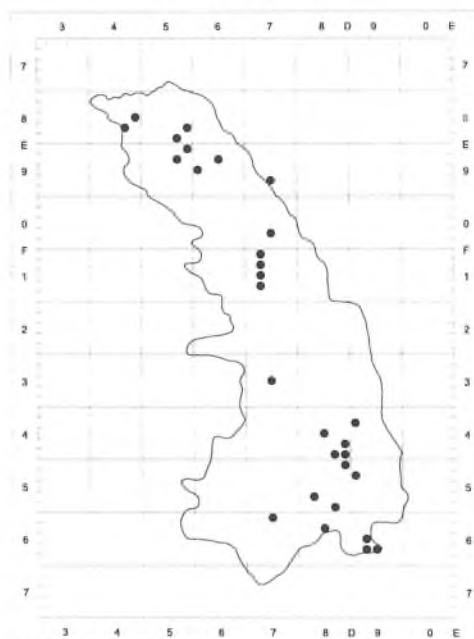
512. *Euonymus verrucosa* Scop.



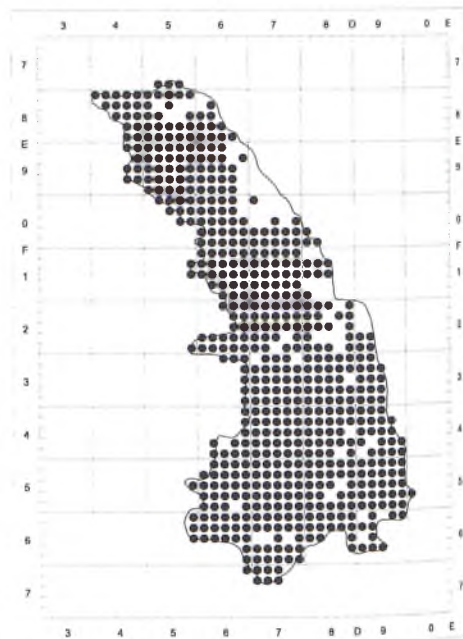
513. *Eupatorium cannabinum* L.



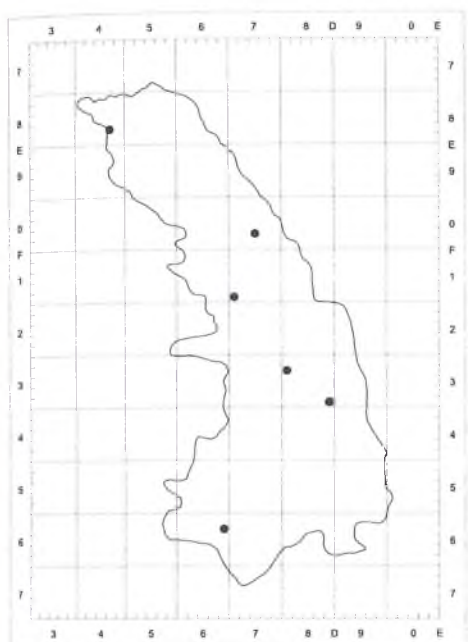
514. *Euphorbia amygdaloides* L.



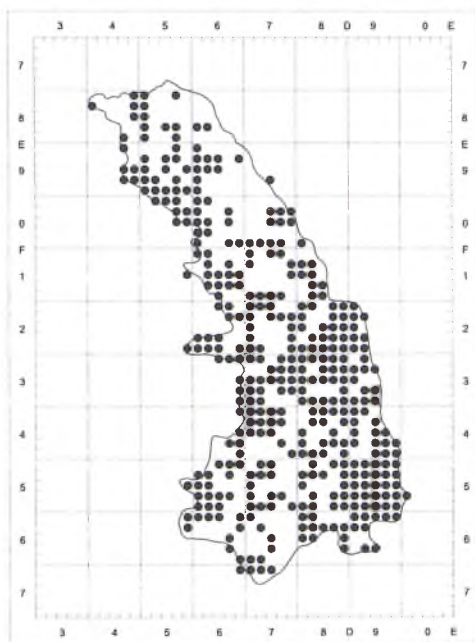
515. *Euphorbia angulata* Jacq.



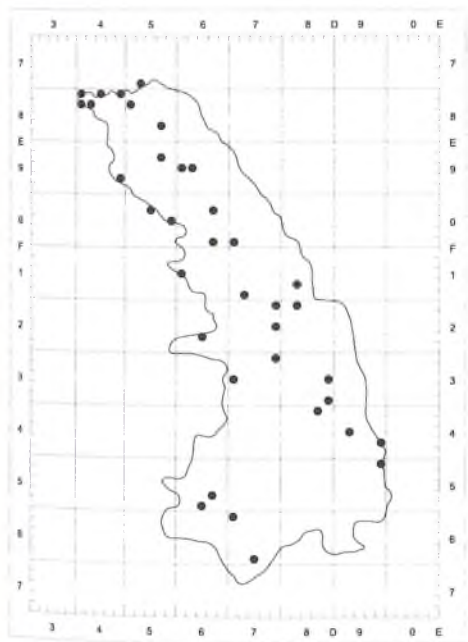
516. *Euphorbia cyparissias* L.



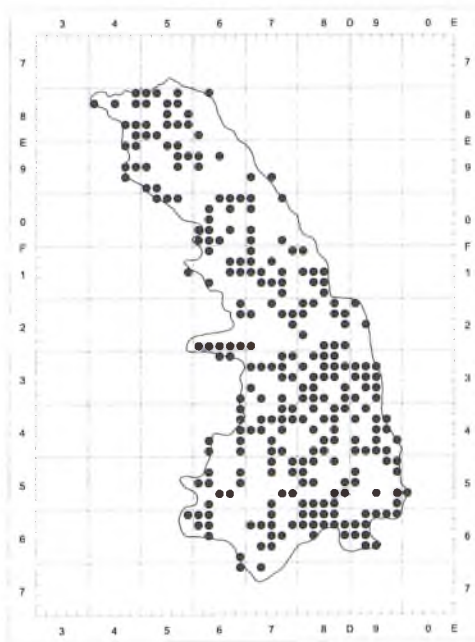
517. *Euphorbia dulcis* L.



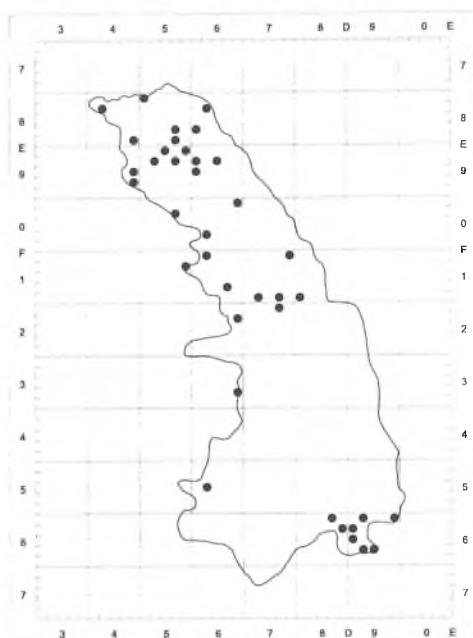
518. *Euphorbia esula* L.



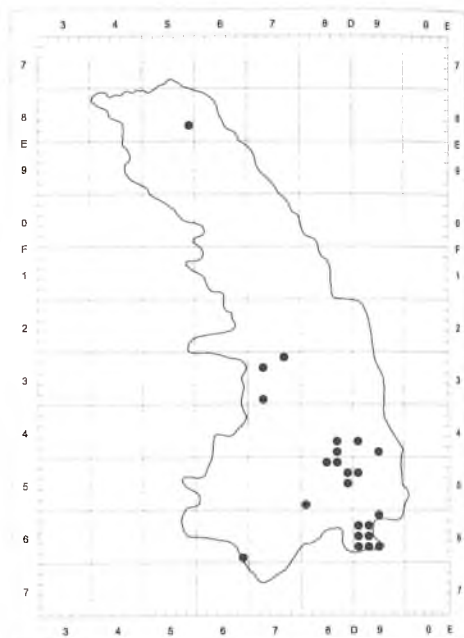
519. * *Euphorbia exigua* L.



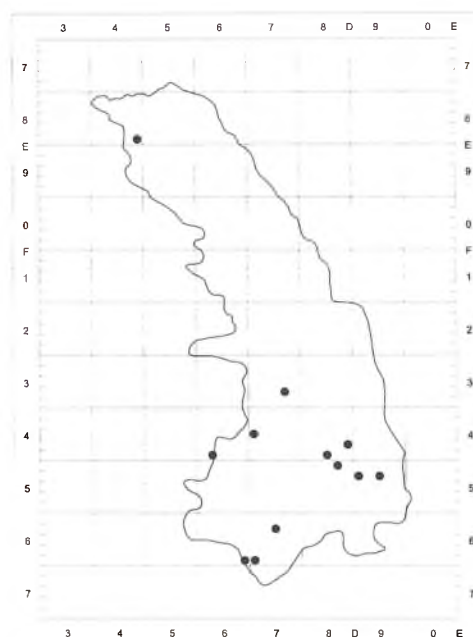
520. * *Euphorbia helioscopia* L.



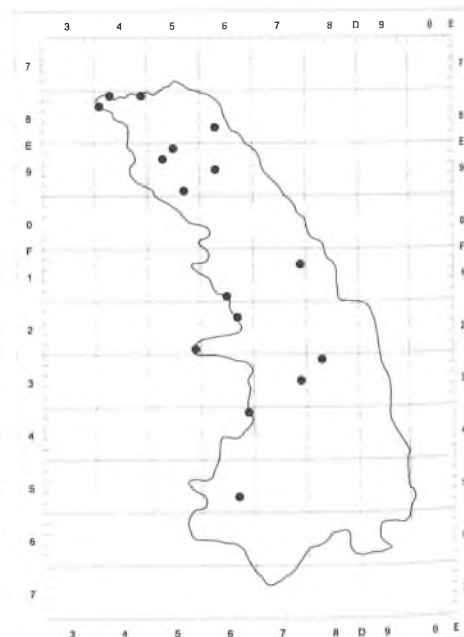
521. * *Euphorbia peplus* L.



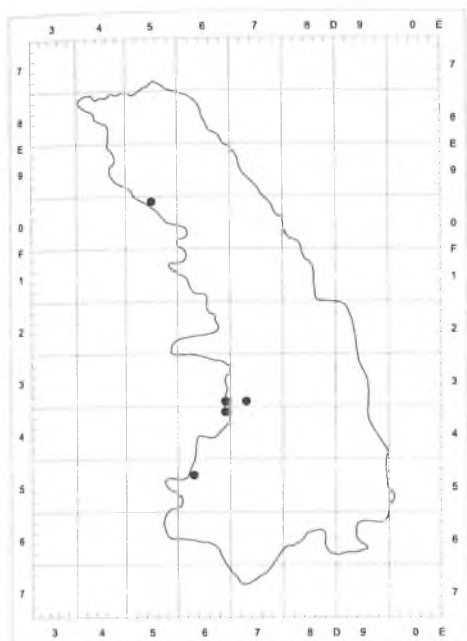
522. [*] *Euphorbia platyphyllos* L.



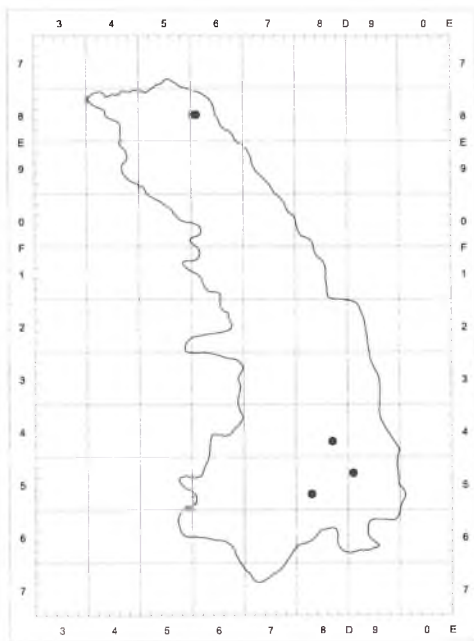
523. *Euphorbia serrulata* Thuill.



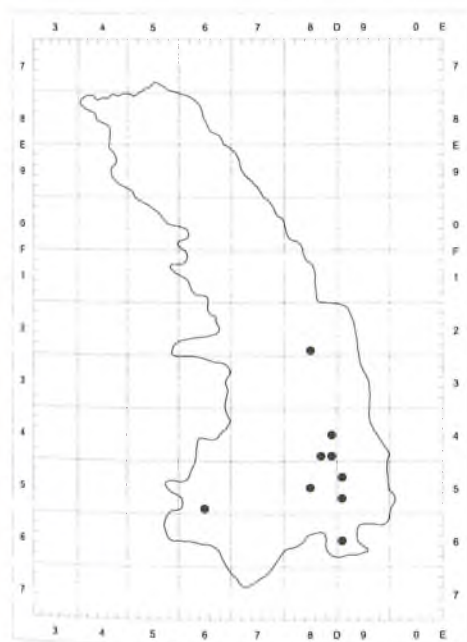
524. [*] *Euphorbia virgata*
Waldst. & Kit.



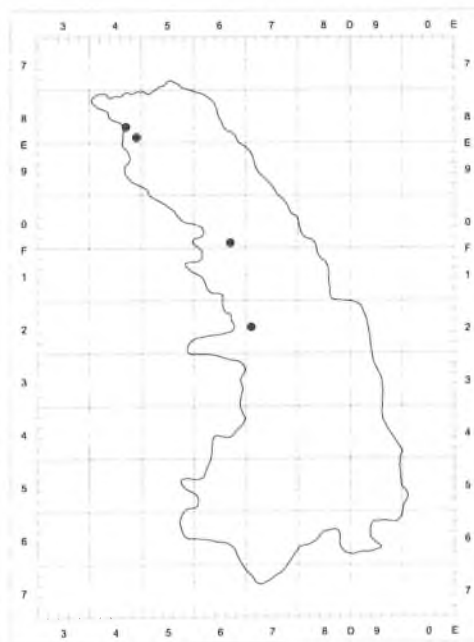
525. [*] *Euphorbia virgultosa* Klokov



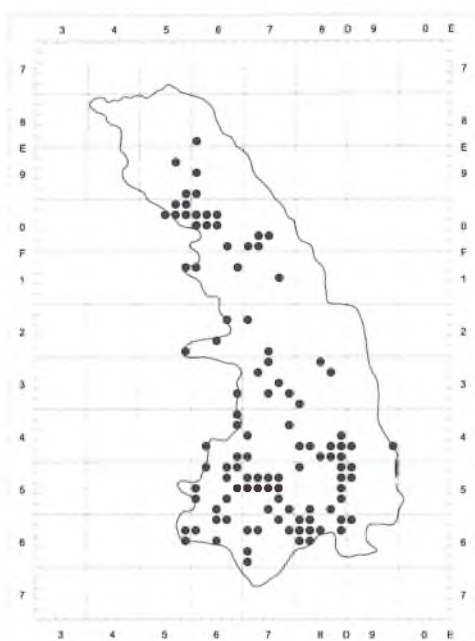
526. *Euphrasia coerulea*
Hoppe & Fürnr.



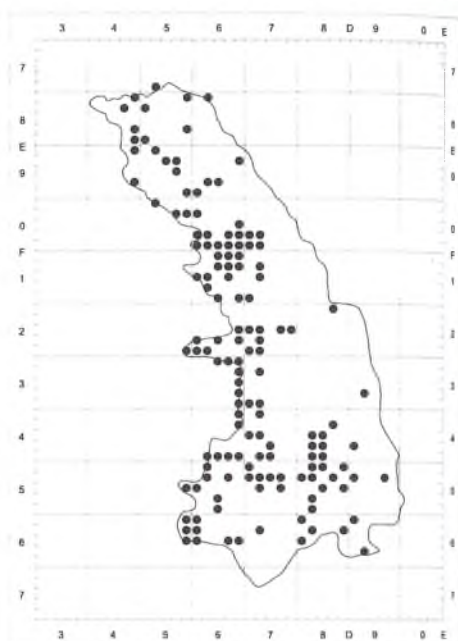
527. *Euphrasia micrantha* Rchb.



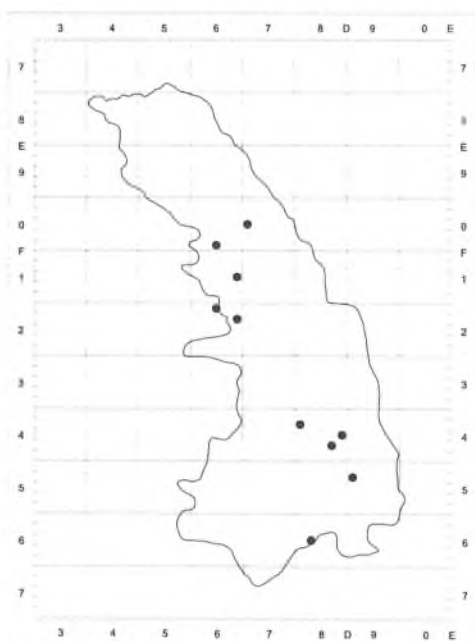
528. *Euphrasia nemorosa* (Pers.) Wallr.



529. *Euphrasia rostkoviana* Hayne



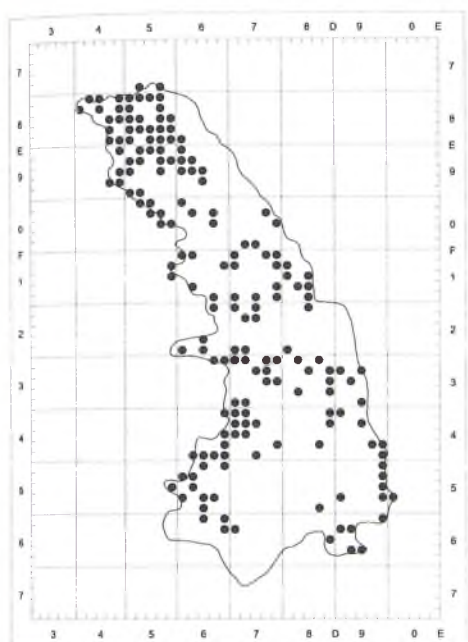
530. *Euphrasia stricta*
D. Wolff ex J. F. Lehm.



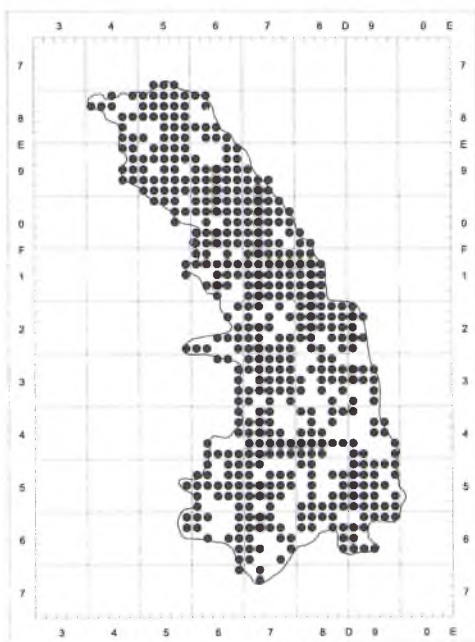
531. *Euphrasia vernalis* List



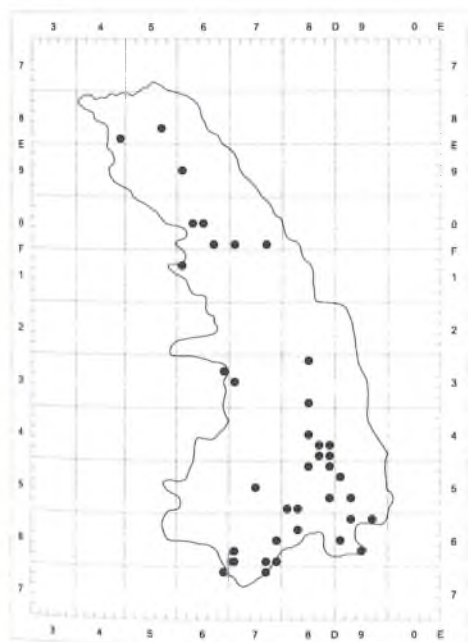
532. *Fagus sylvatica* L.



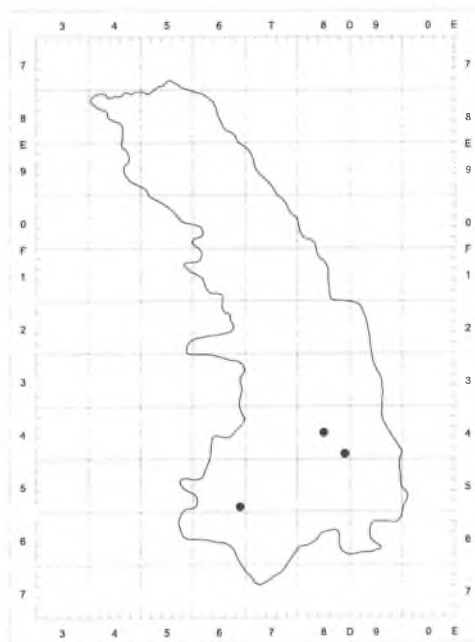
533. *Falcaria vulgaris* Bernh.



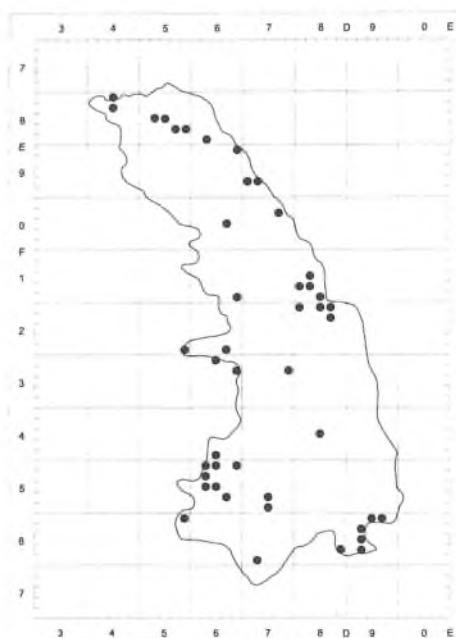
534. * *Fallopia convolvulus* (L.)
A. Löve



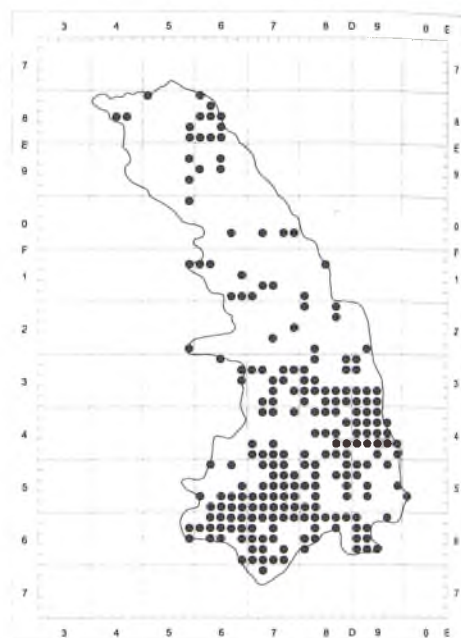
535. *Fallopia dumetorum* (L.) Holub



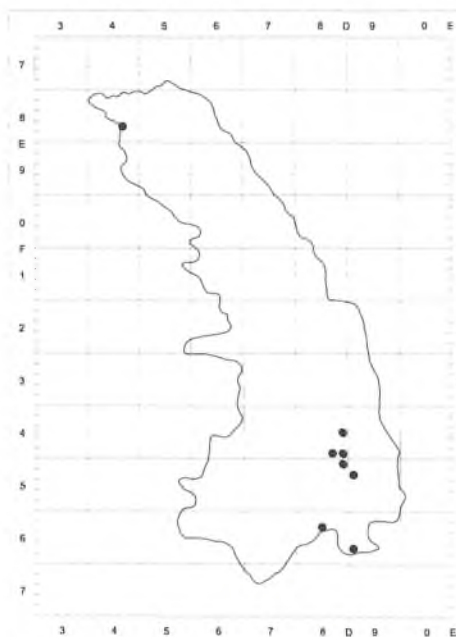
536. *Festuca altissima* All.



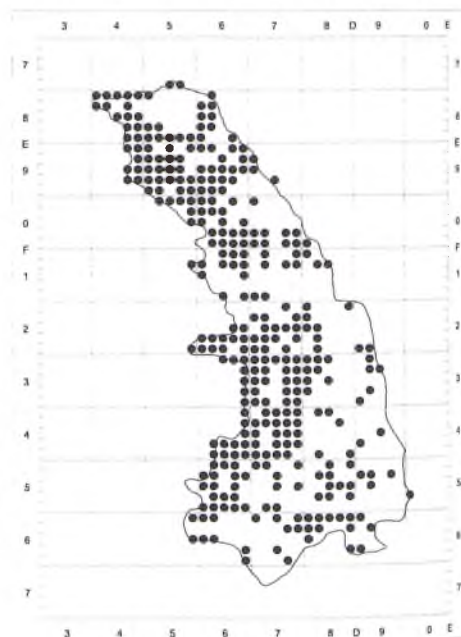
537. *Festuca arundinacea* Schreb.



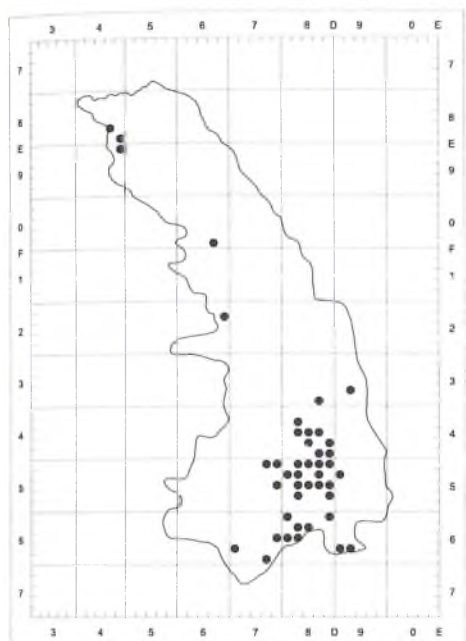
538. *Festuca gigantea* (L.) Vill.



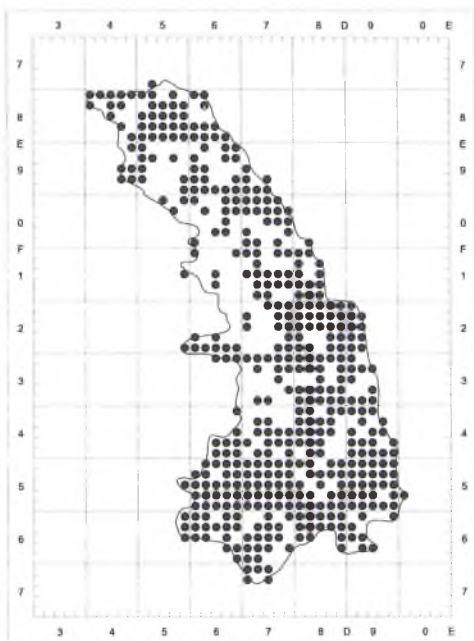
539. *Festuca heterophylla* Lam.



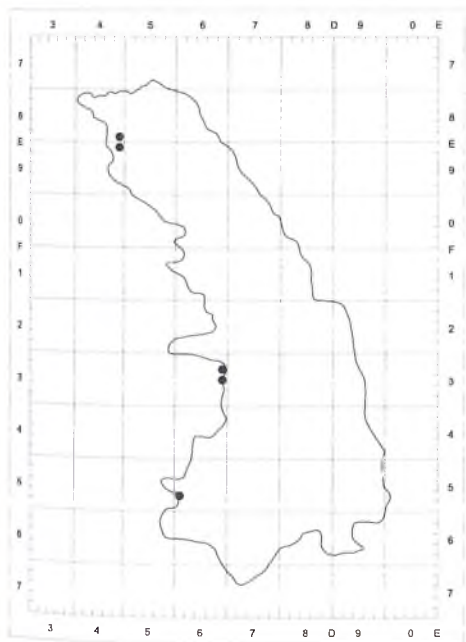
540. *Festuca ovina* L. s. str.



541. *Festuca pallens* Host



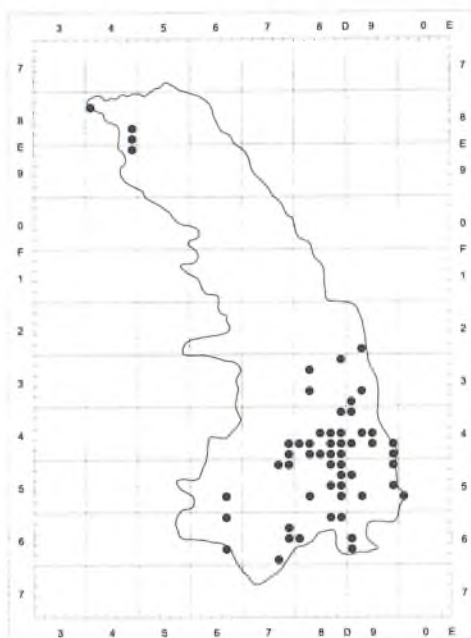
542. *Festuca pratensis* Huds.



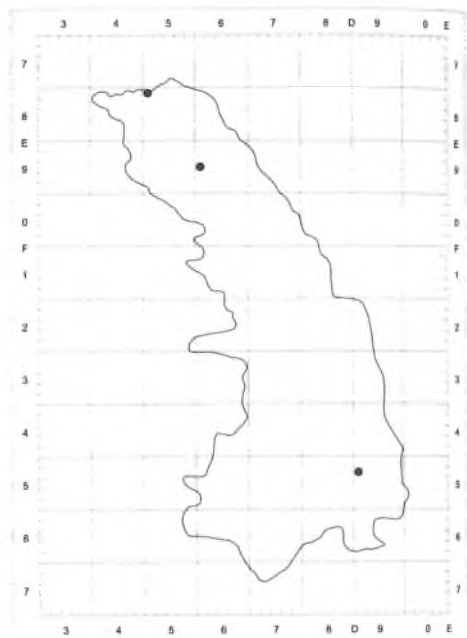
543. *Festuca psammophila*
(Hack. ex Čelak.) Fritsch



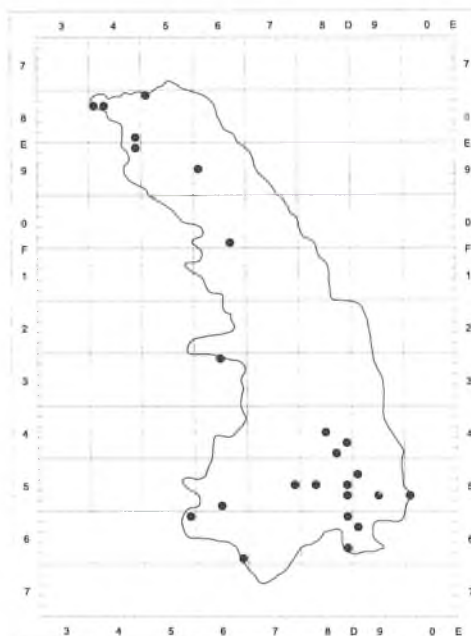
544. *Festuca rubra* L. s. l.



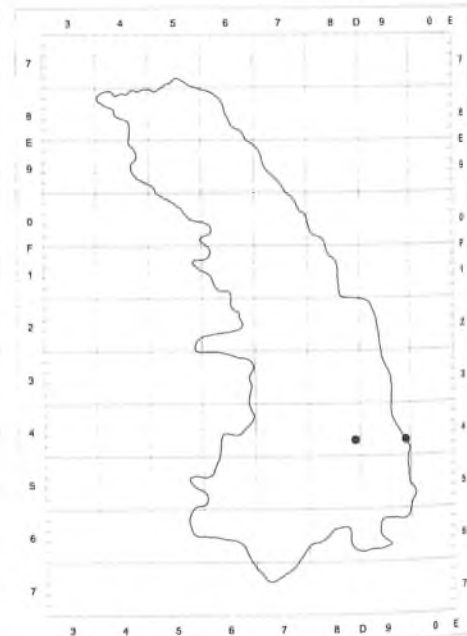
545. *Festuca rupicola* Heuff.



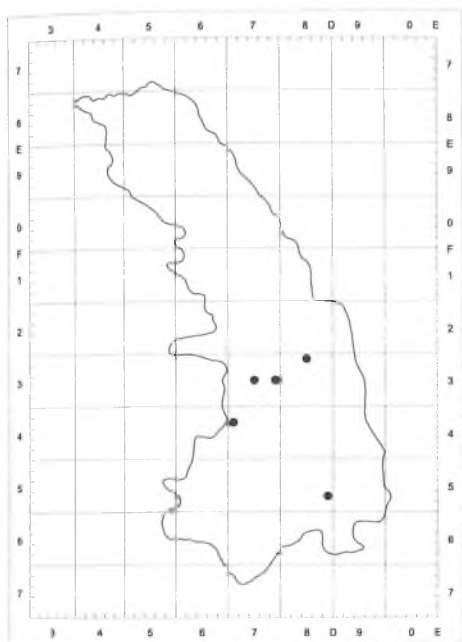
546. *Festuca tenuifolia* Sibth.



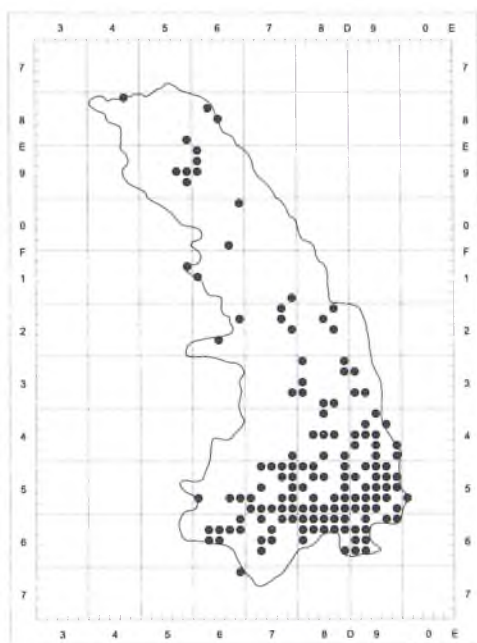
547. *Festuca trachyphylla* (Hack.)
Krajina



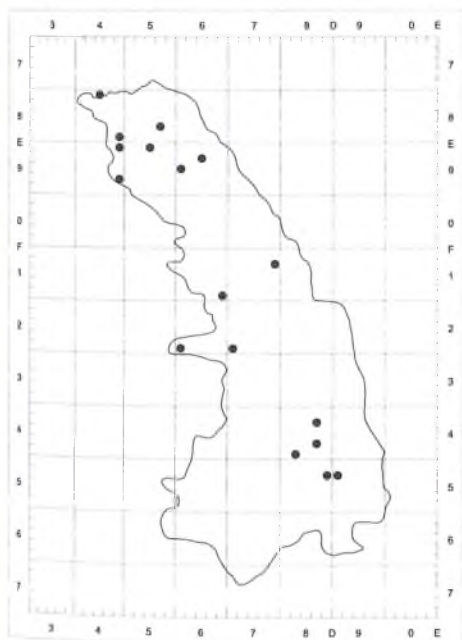
548. *Festuca valesiaca*
Schleich. ex Gaudin



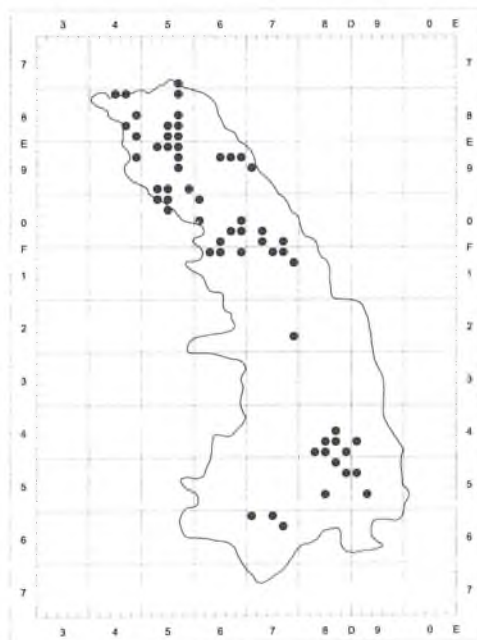
549. *Festulolium adscendens* (Retz.)
Asch. & Graebn.



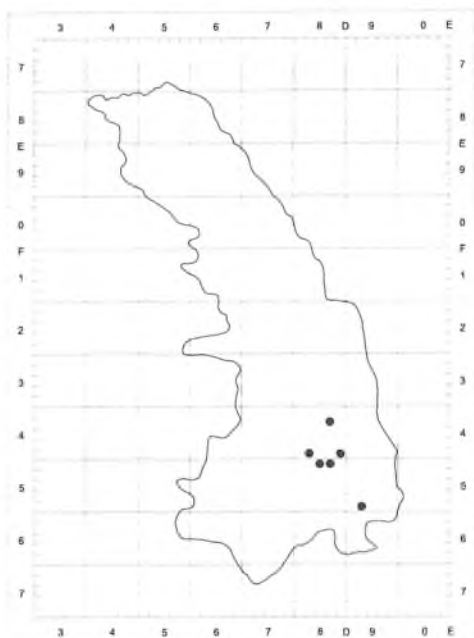
550. *Ficaria verna* Huds.



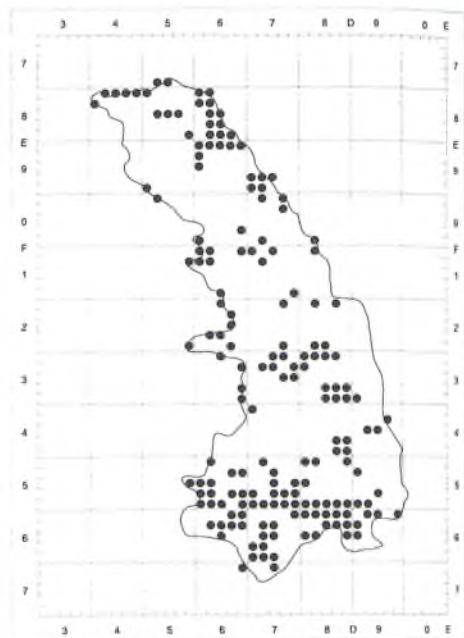
551. *Filago arvensis* L.



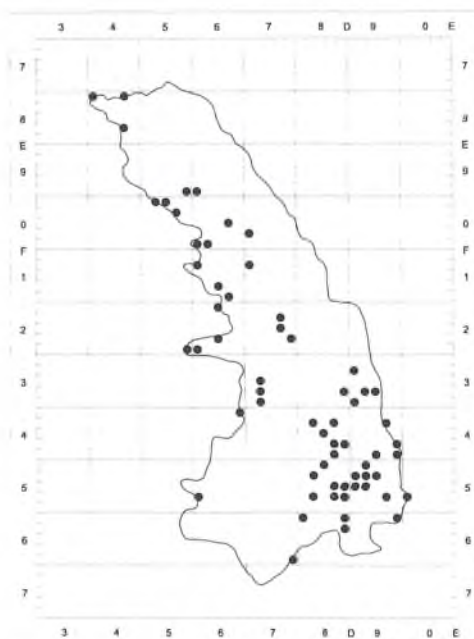
552. *Filago minima* (Sm.) Pers.



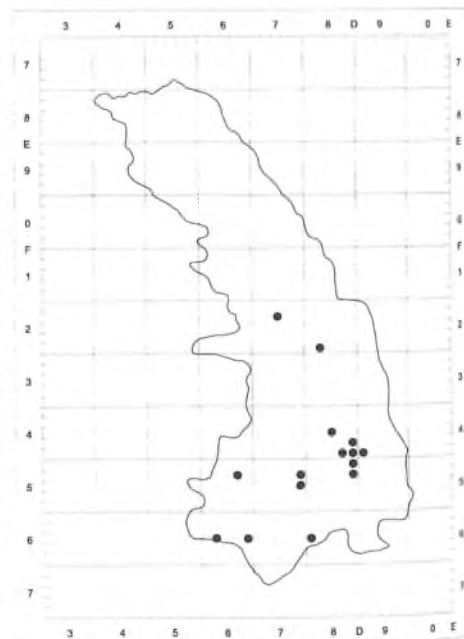
553. *Filago vulgaris* Lam.



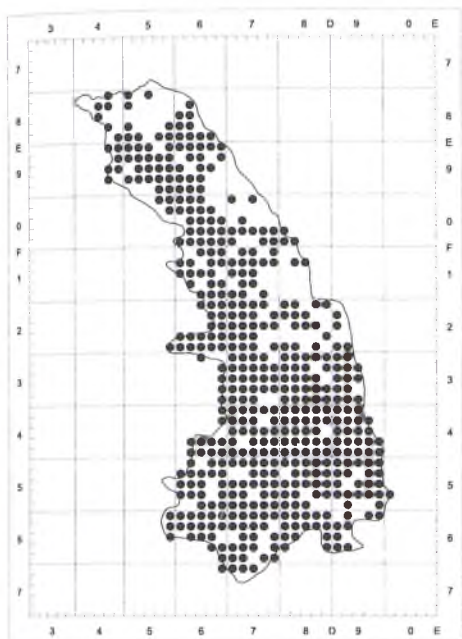
554. *Filipendula ulmaria* (L.) Maxim.



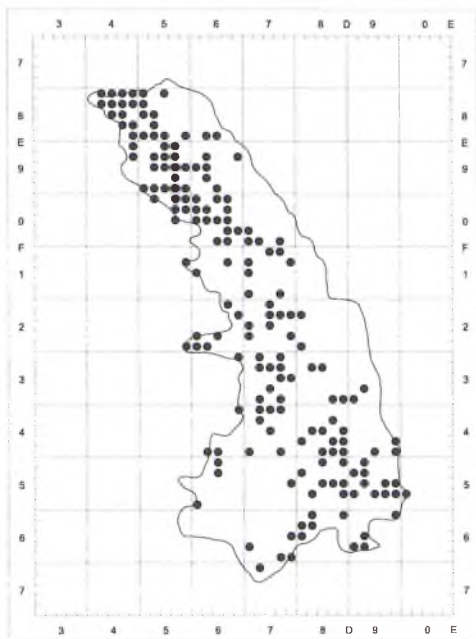
555. *Filipendula vulgaris* Moench



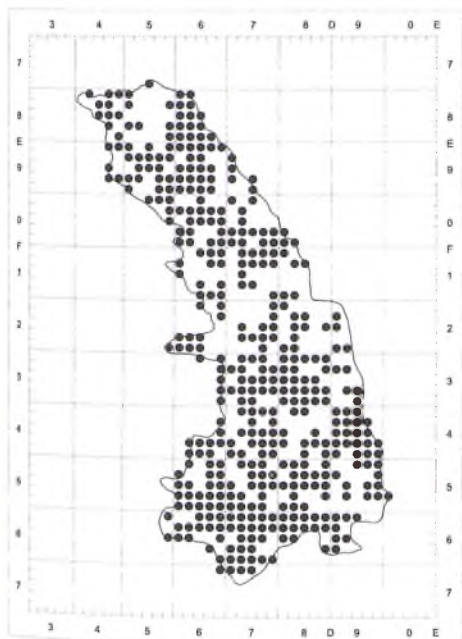
556. *Fragaria moschata* Duchesne



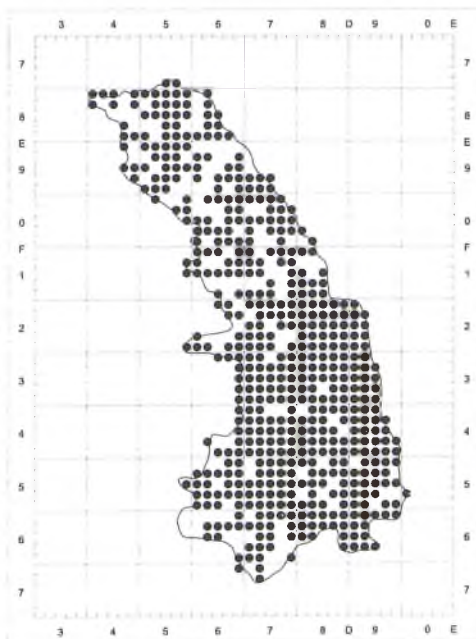
557. *Fragaria vesca* L.



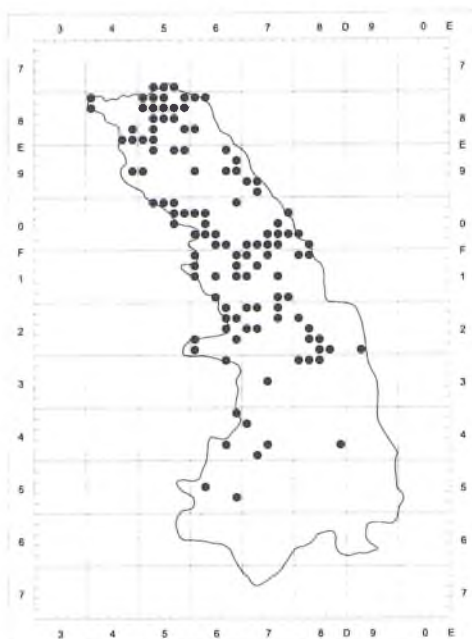
558. *Fragaria viridis* Duchesne



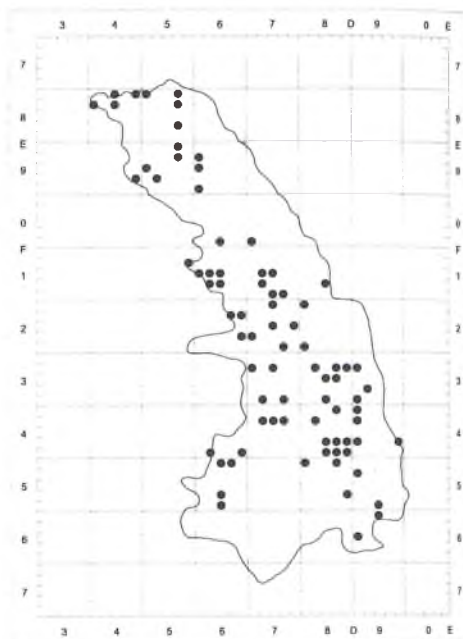
559. *Frangula alnus* Mill.



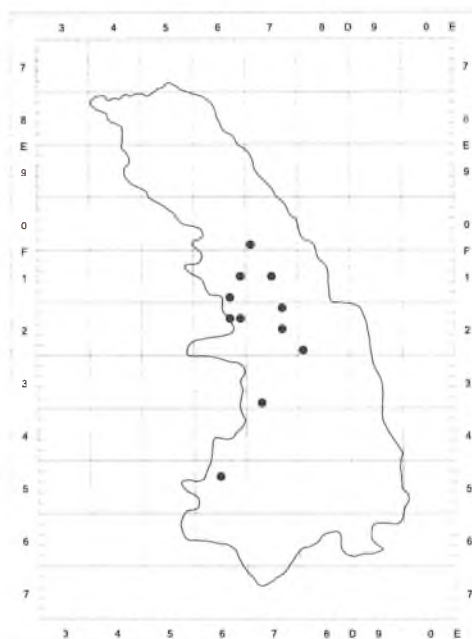
560. *Fraxinus excelsior* L.



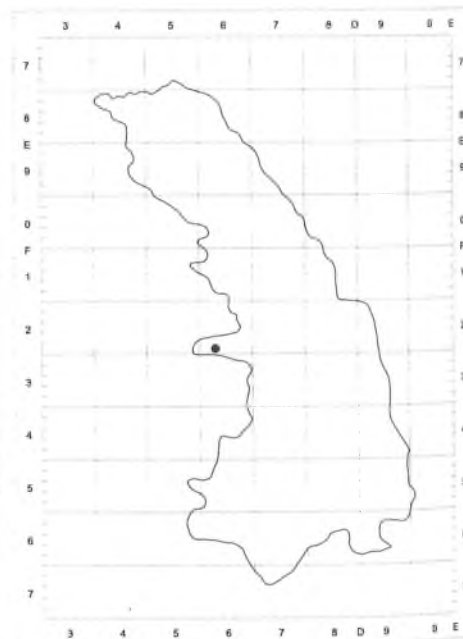
561. ** *Fraxinus pennsylvanica*
Marshall



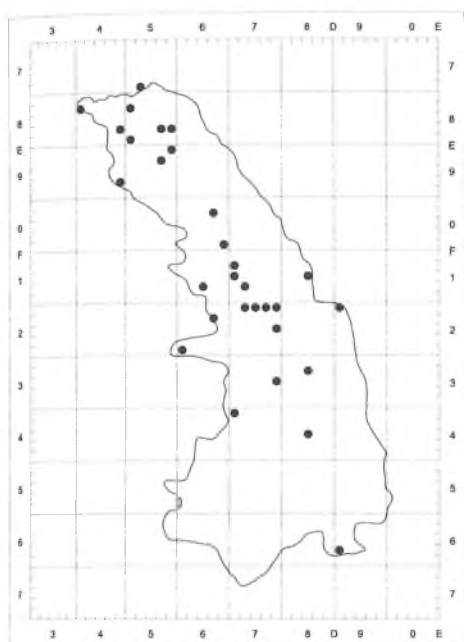
562. * *Fumaria officinalis* L.



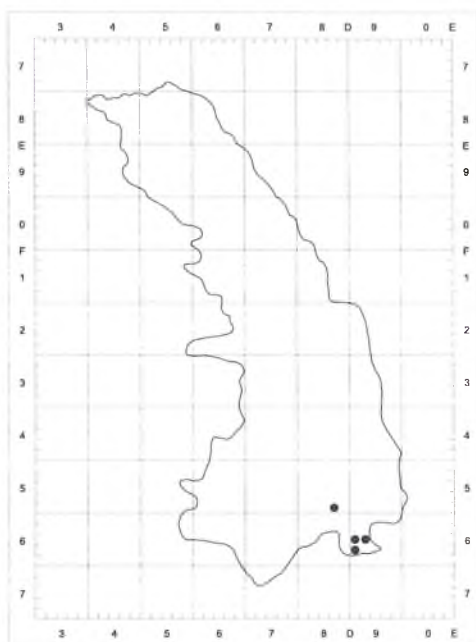
563. * *Fumaria rostellata* Knaf



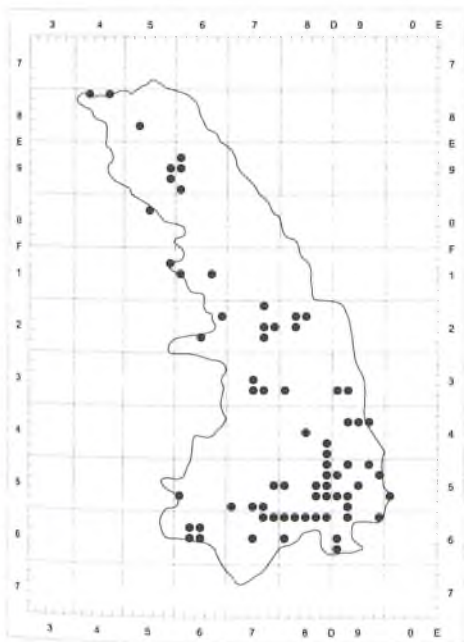
564. * *Fumaria schleicheri* Soy.-Will.



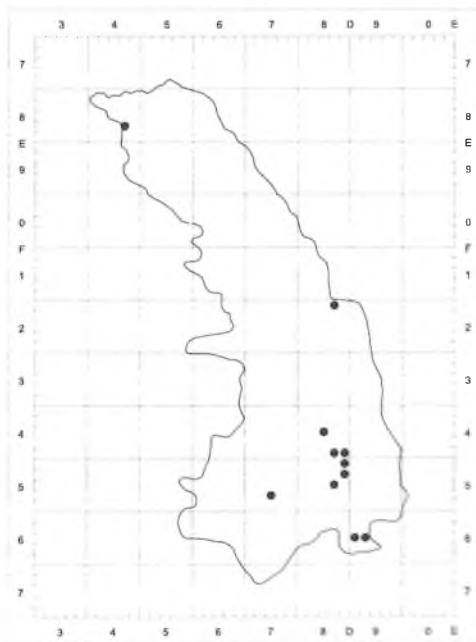
565. * *Fumaria vaillantii* Loisel.



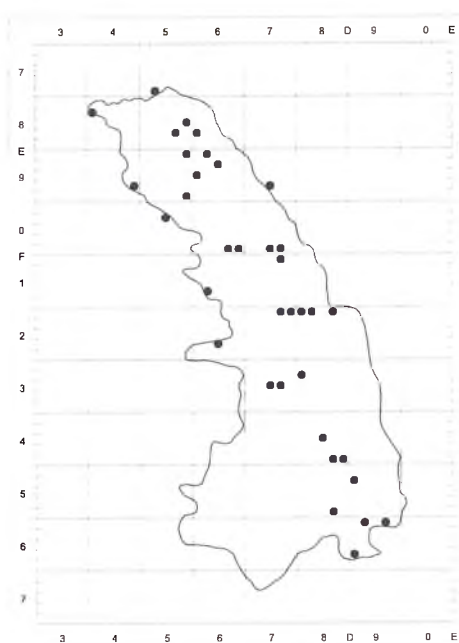
566. + * *Gagea arvensis* (Pers.)
Dumort.



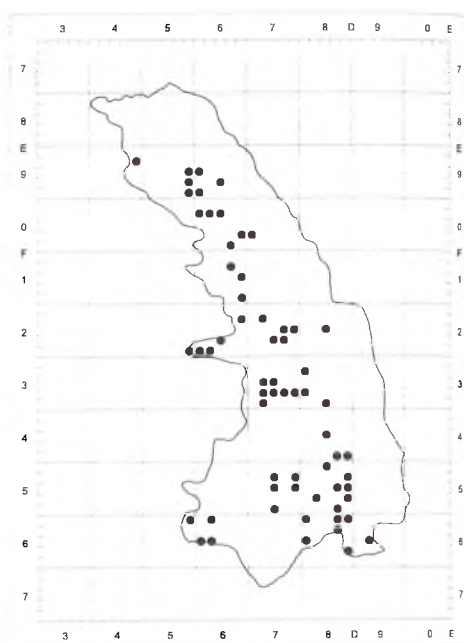
567. *Gagea lutea* (L.) Ker Gawl.



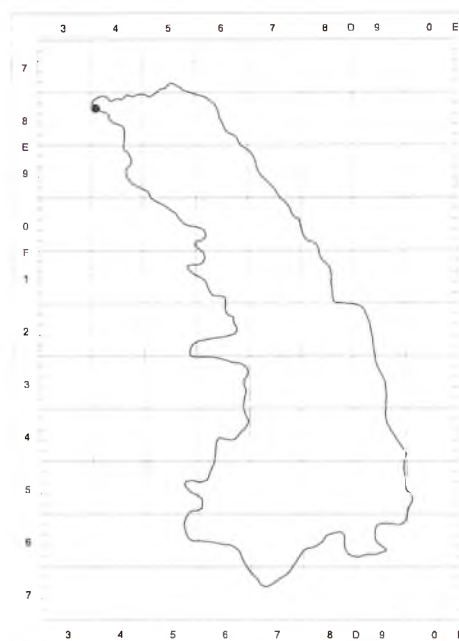
568. *Gagea minima* (L.) Ker Gawl.



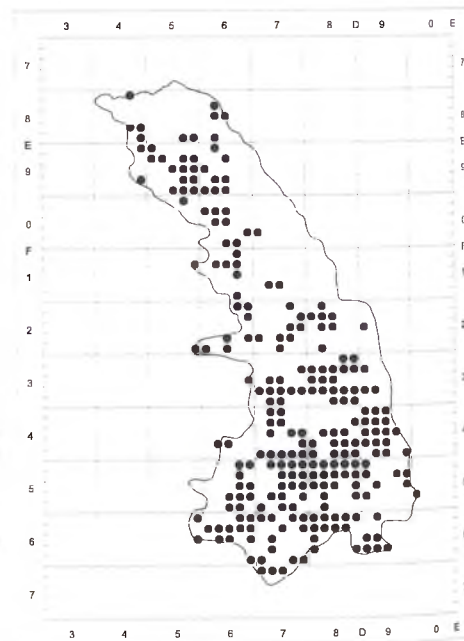
569. *Gagea pratensis* (Pers.) Dumort.



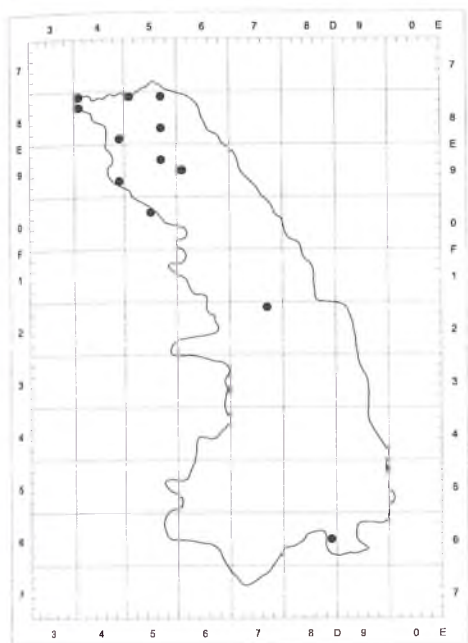
570. *Galanthus nivalis* L.



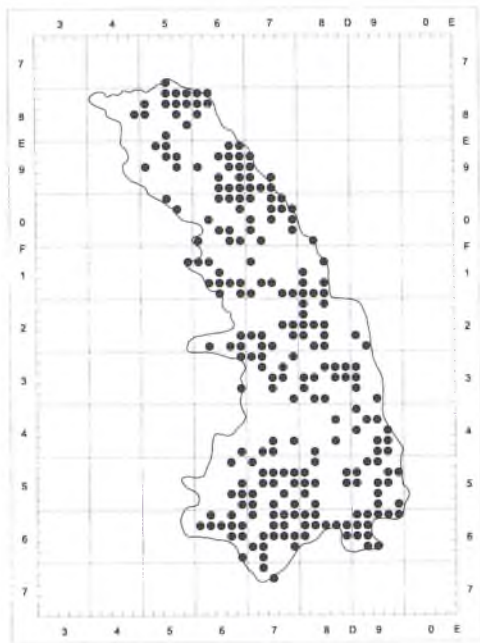
571. *Galega officinalis* L.



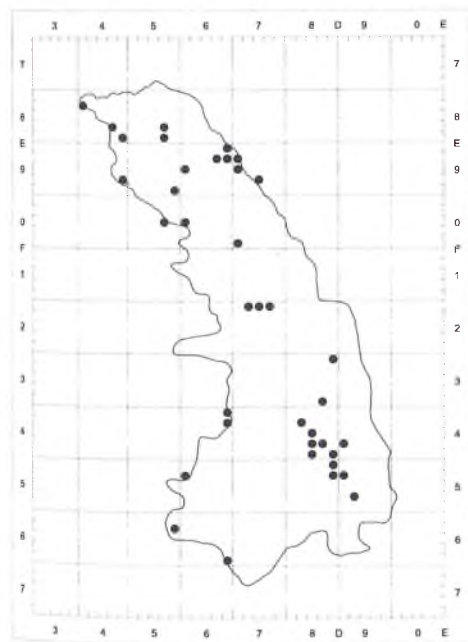
572. *Galeobdolon luteum* Huds.



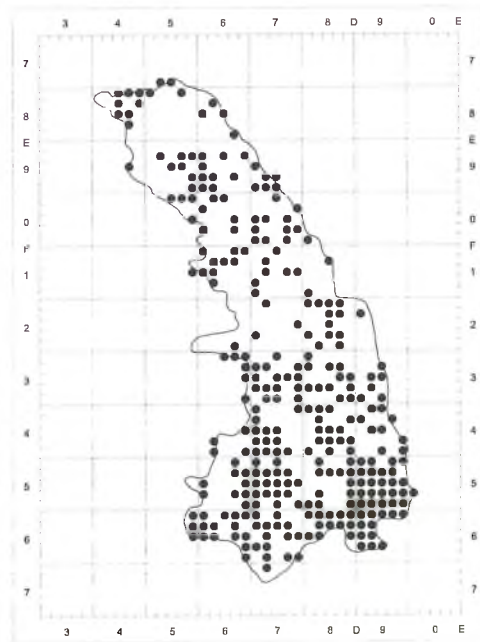
573. ** *Galeopsis angustifolia* (Ehrh.) Hoffm.



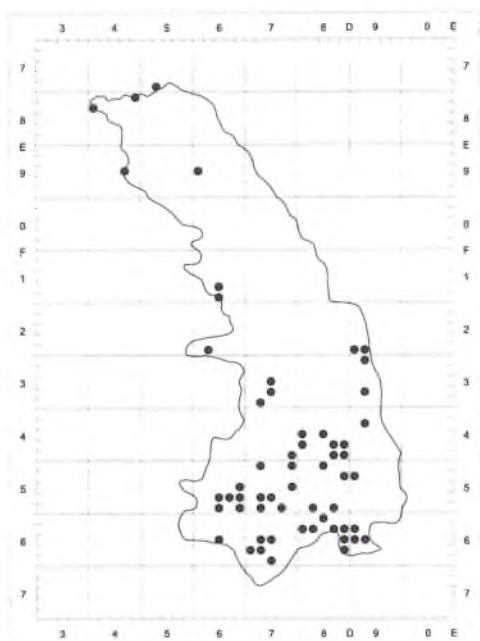
574. *Galeopsis bifida* Boenn.



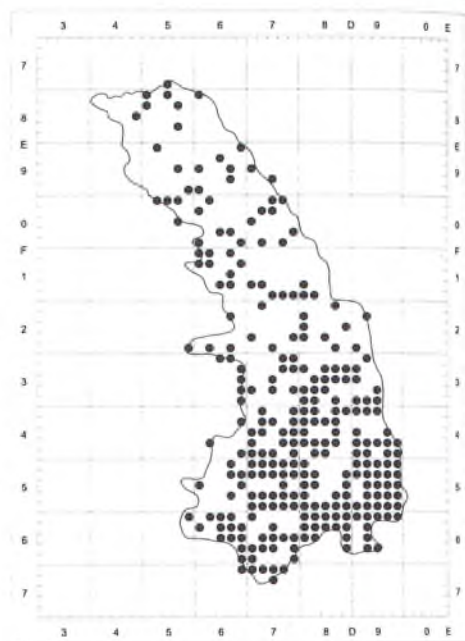
575. [*] *Galeopsis ladanum* L.



576. *Galeopsis pubescens* Besser



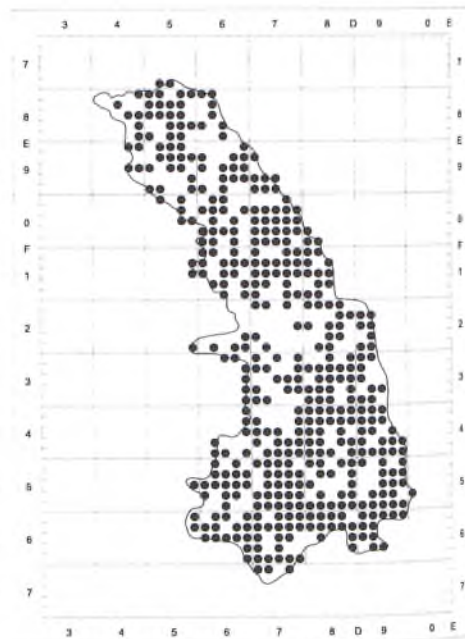
577. *Galeopsis speciosa* Mill.



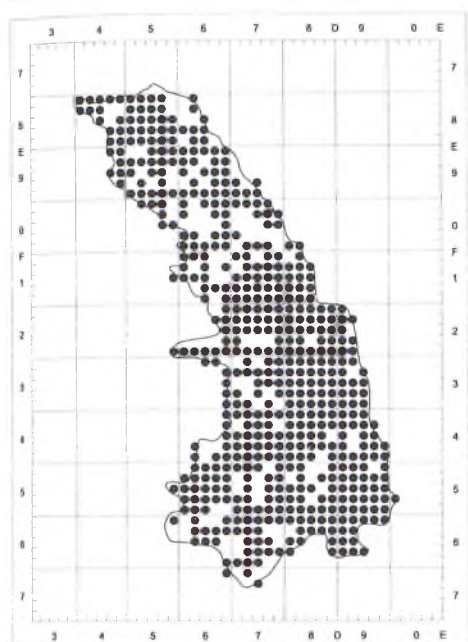
578. *Galeopsis tetrahit* L.



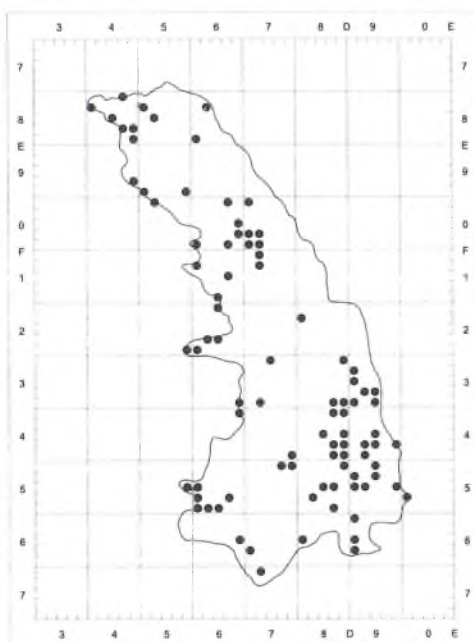
579. ** *Galinsoga ciliata* (Raf.)
S. F. Blake



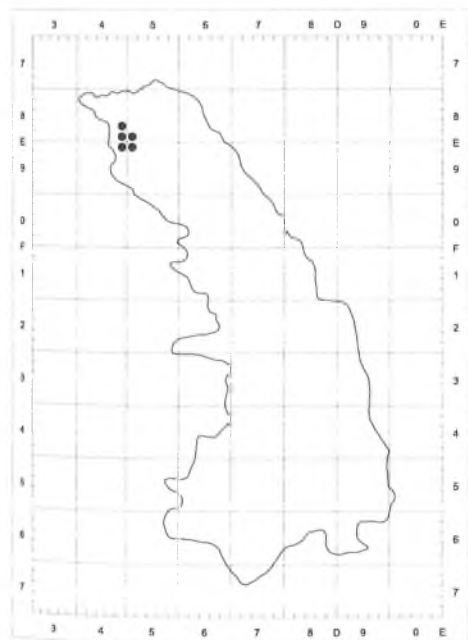
580. ** *Galinsoga parviflora* Cav.



581. *Galium aparine* L.



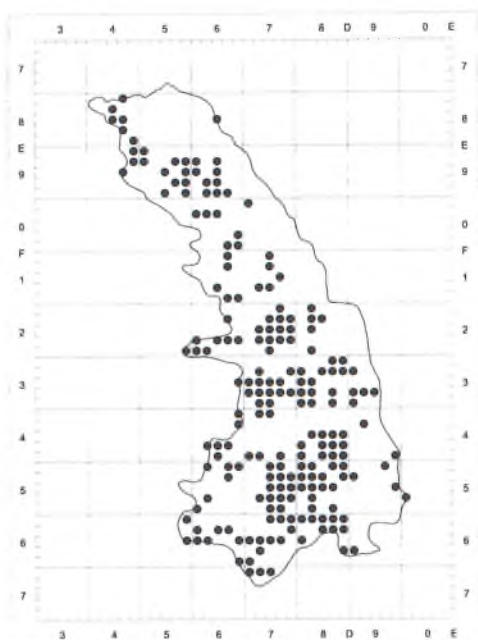
582. *Galium boreale* L.



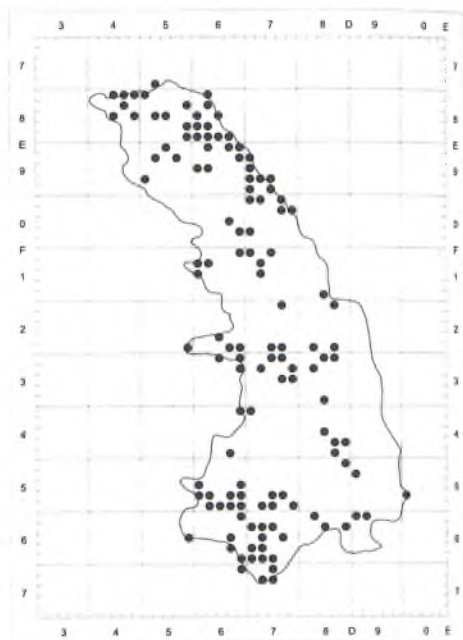
583. *Galium cracoviense* Ehrend.



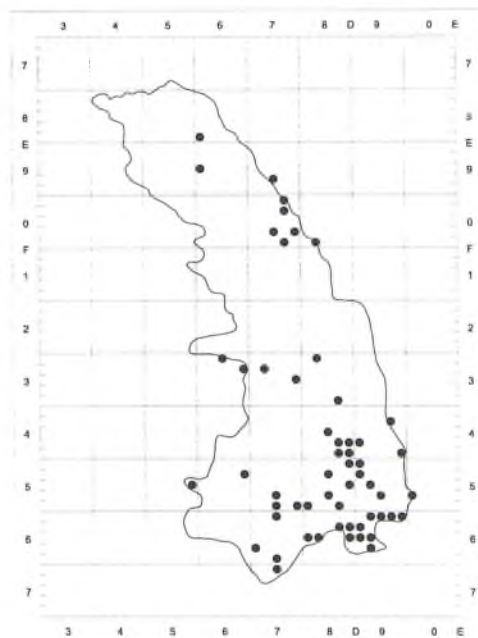
584. *Galium mollugo* L. s. l.



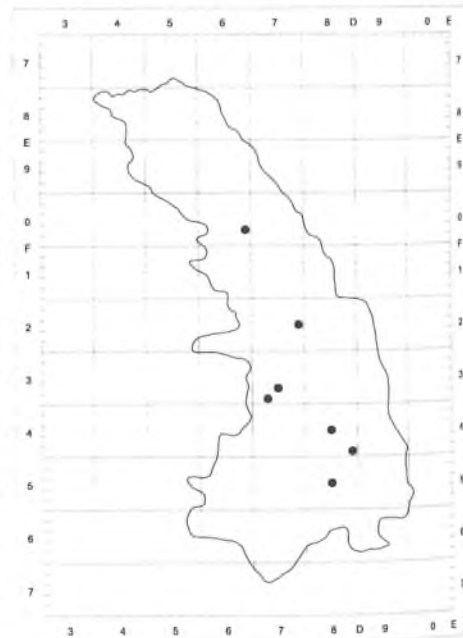
585. *Galium odoratum* (L.) Scop.



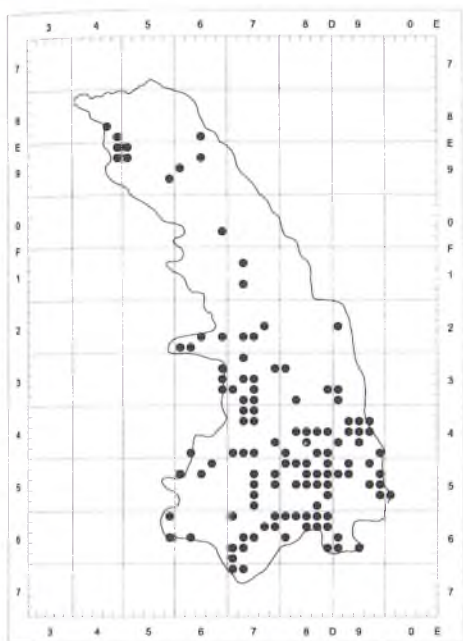
586. *Galium palustre* L.



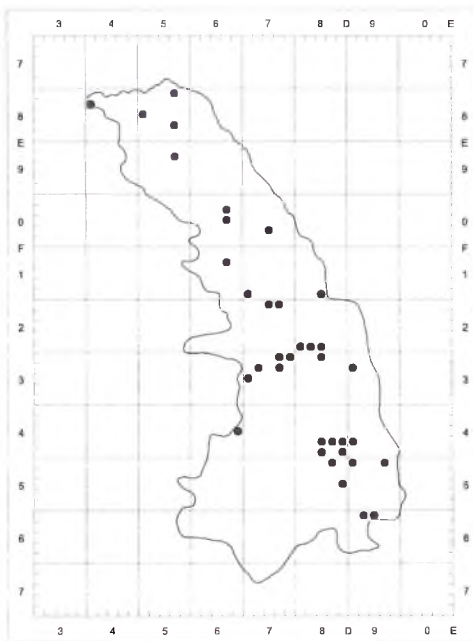
587. *Galium rivale* (Sibth. & Sm.)
Griseb.



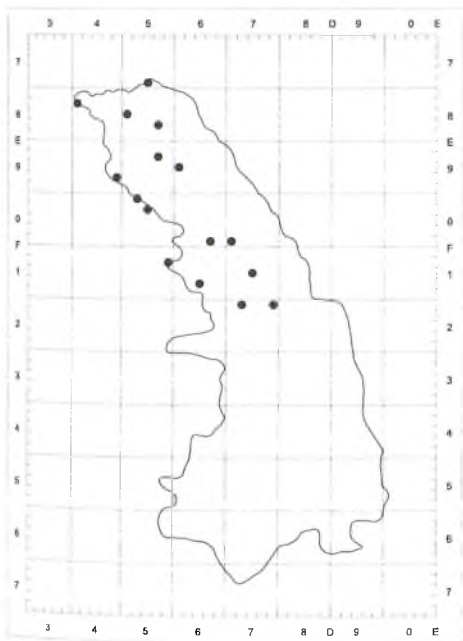
588. *Galium rotundifolium* L.



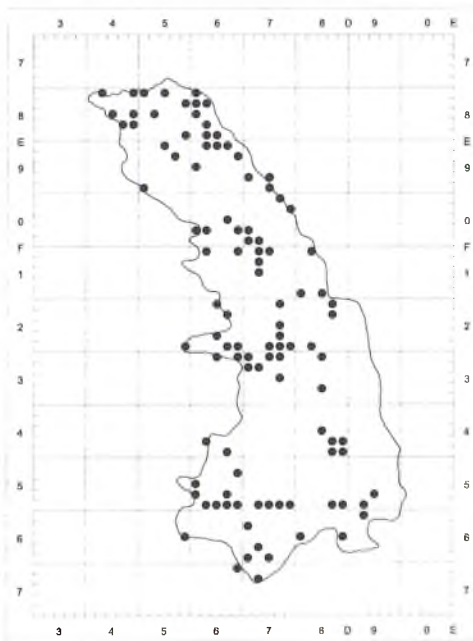
589. *Galium schultesii* Vest



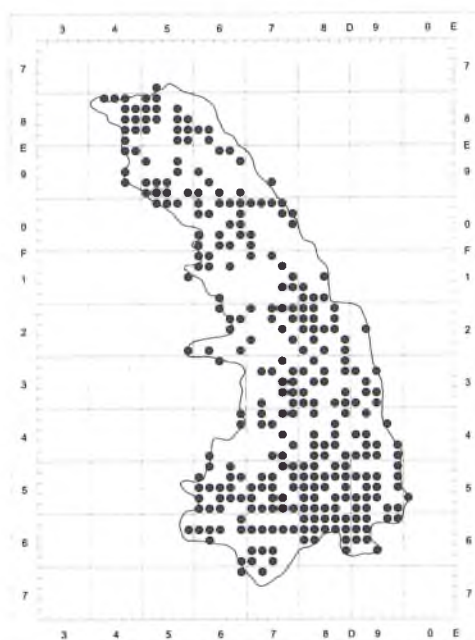
590. * *Galium spurium* L.



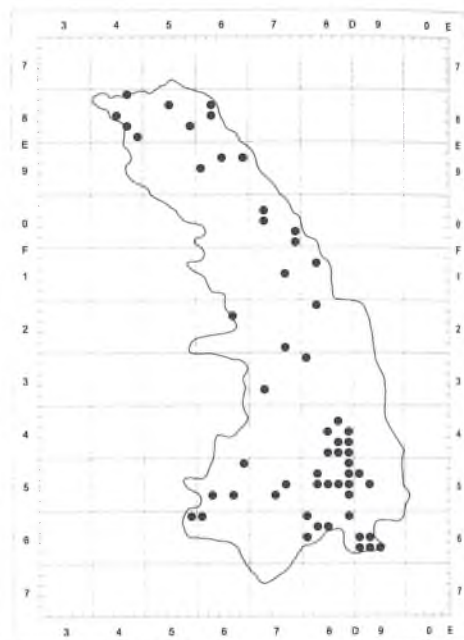
591. * *Galium tricornutum* Dandy



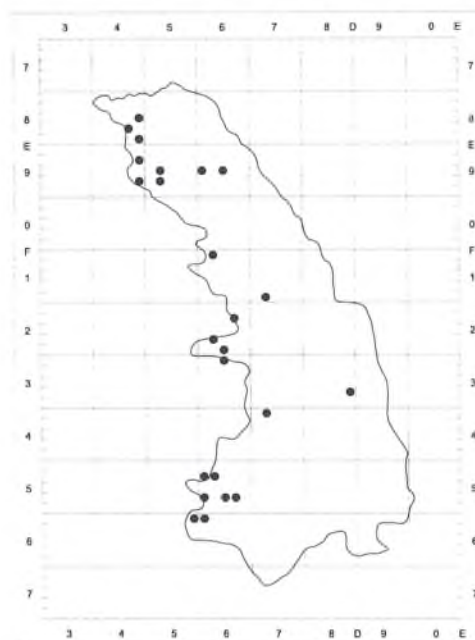
592. *Galium uliginosum* L.



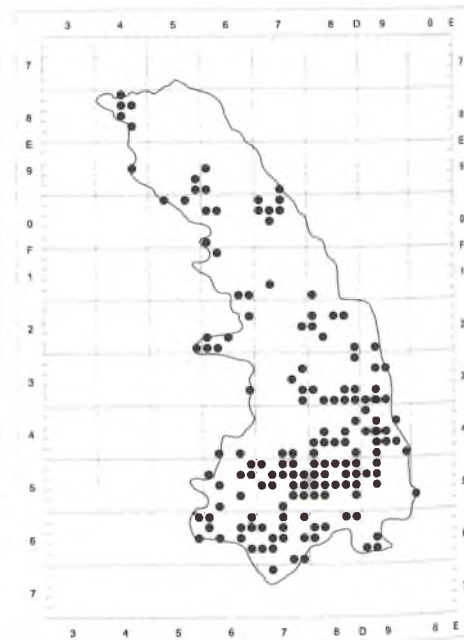
593. *Galium verum* L. s. str.



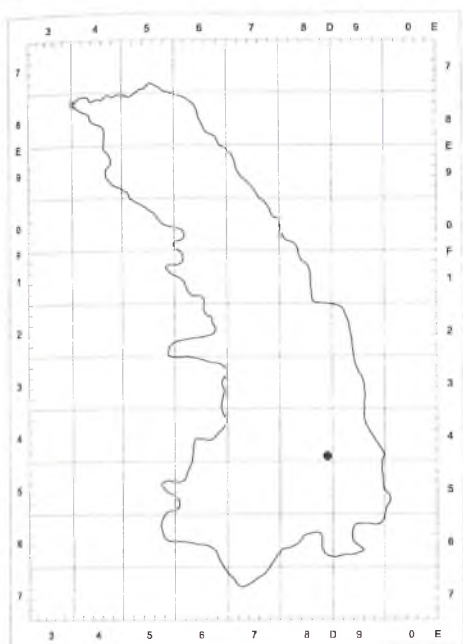
594. *Genista germanica* L.



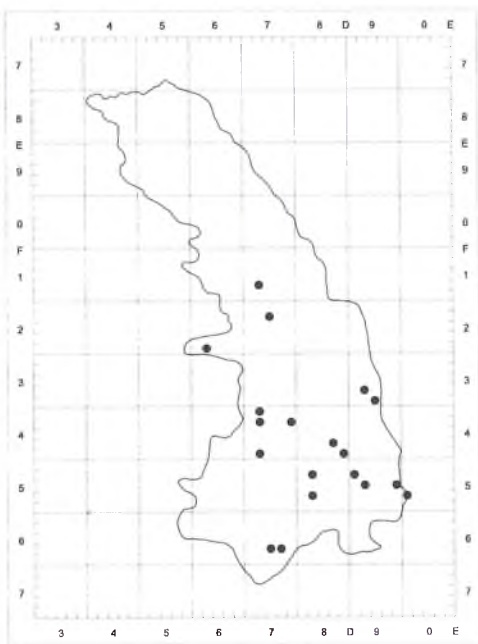
595. *Genista pilosa* L.



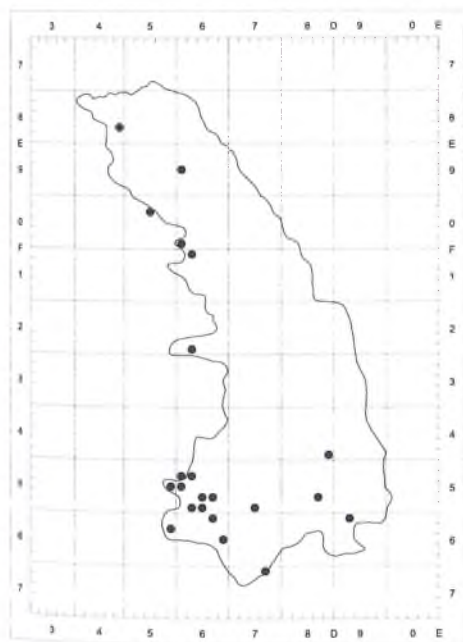
596. *Genista tinctoria* L.



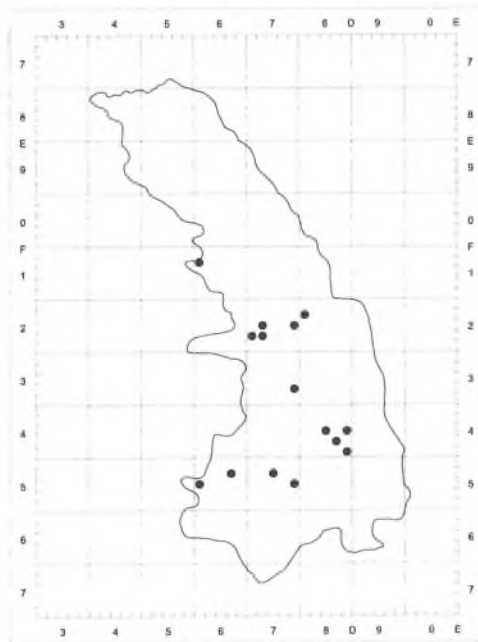
597. + *Gentiana asclepiadea* L.



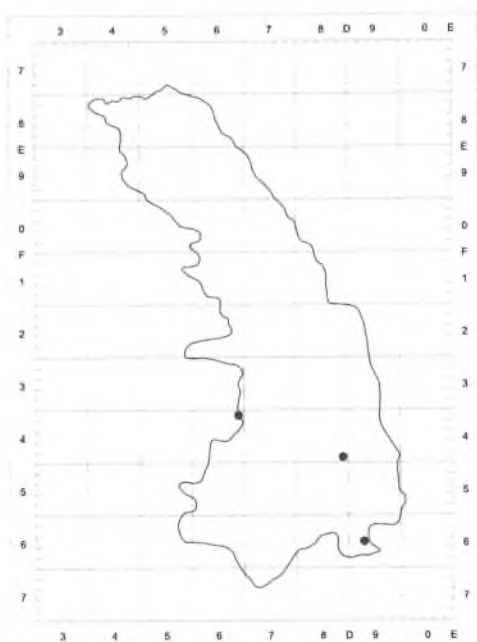
598. *Gentiana cruciata* L.



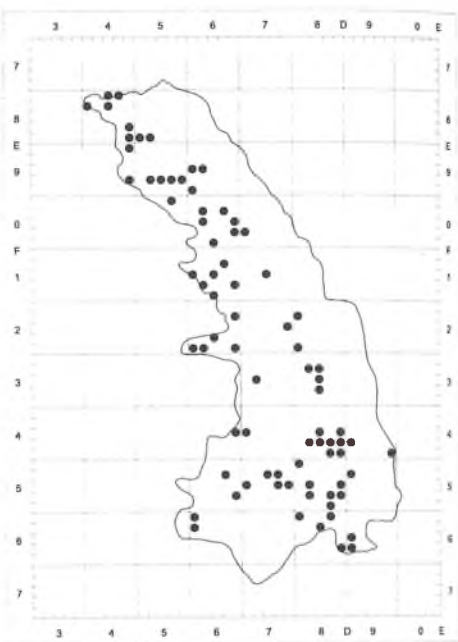
599. *Gentiana pneumonanthe* L.



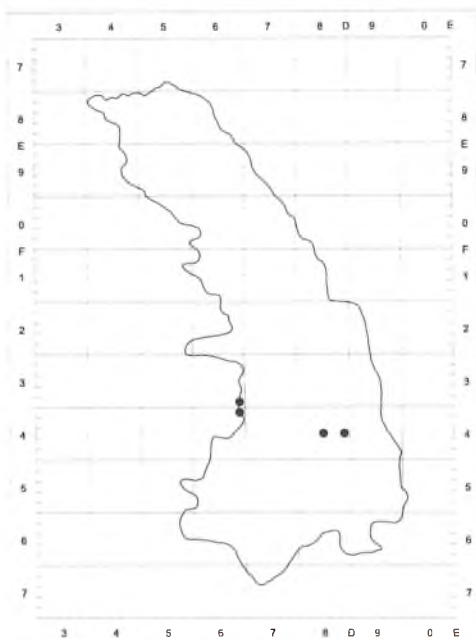
600. *Gentianella amarella* (L.) Börner



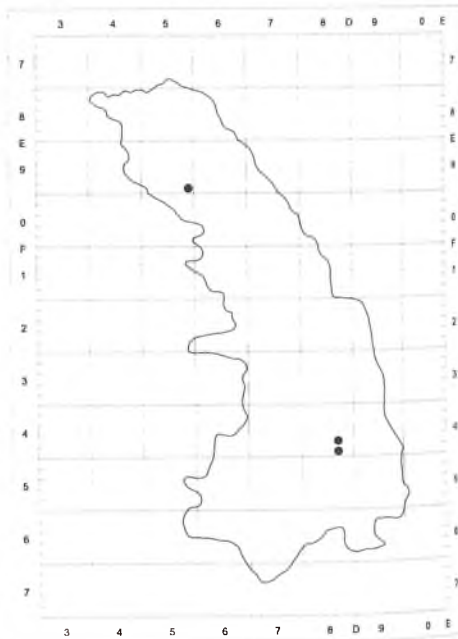
601. *Gentianella bohémica* Skalický



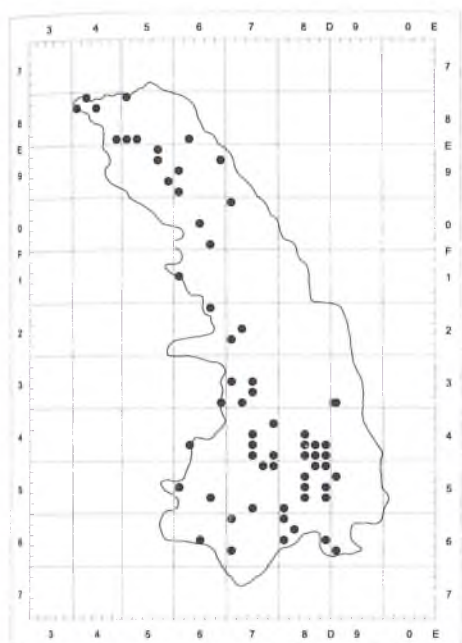
602. *Gentianella ciliata* (L.) Borkh.



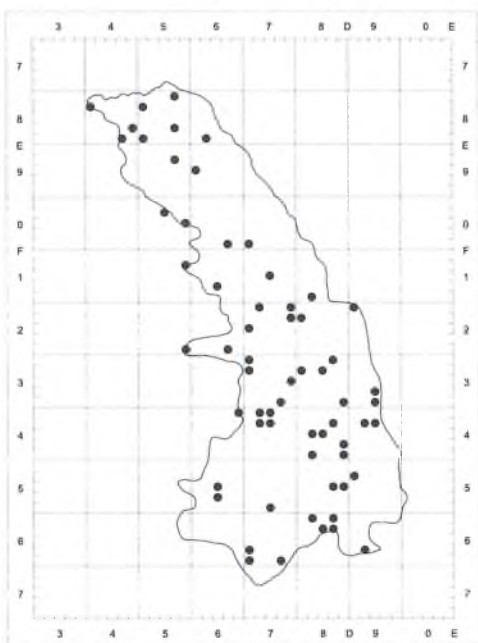
603. *Gentianella germanica* (Willd.)
Börner



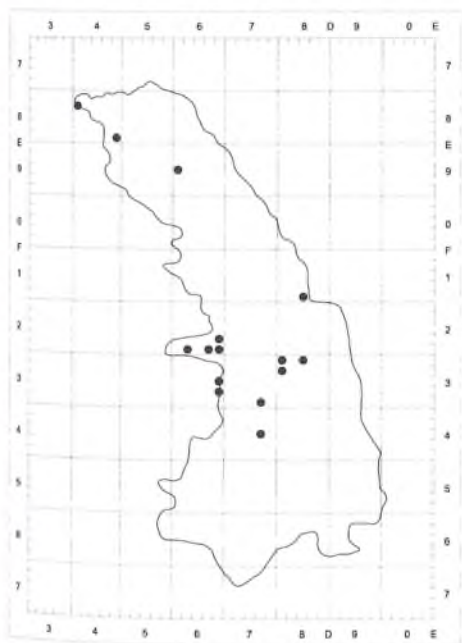
604. *Gentianella lutescens* (Velen.)
Holub subsp. *lutescens*



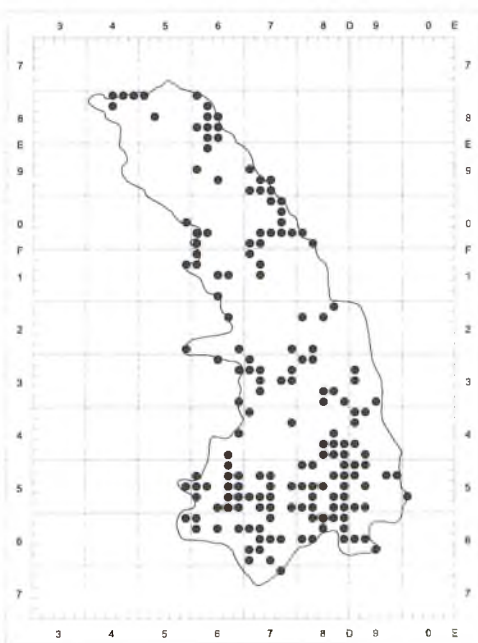
605. [*] *Geranium columbinum* L.



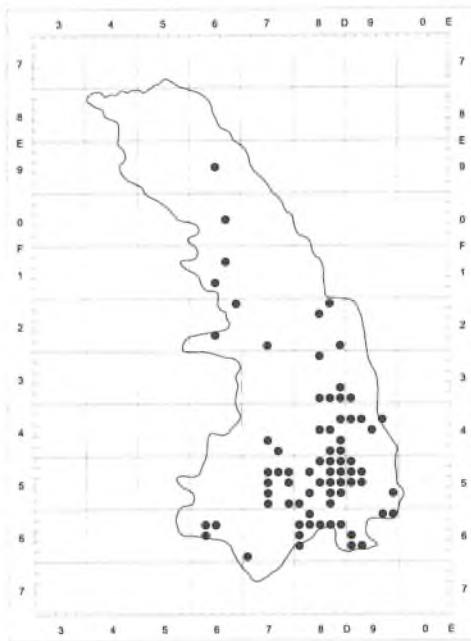
606. * *Geranium dissectum* L.



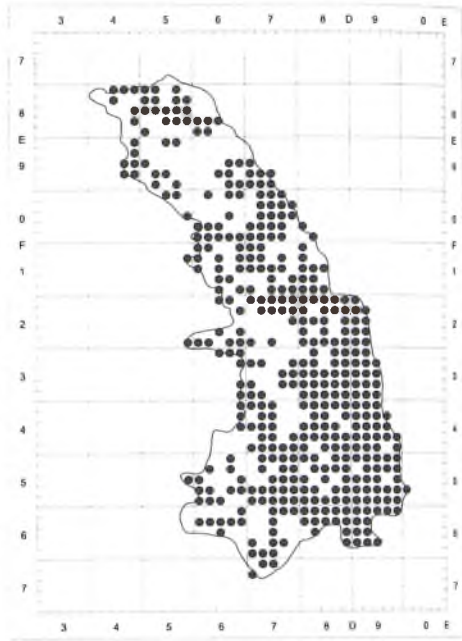
607. * *Geranium molle* L.



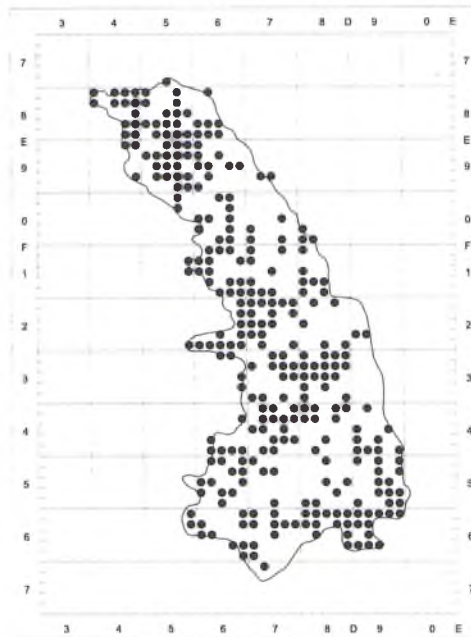
608. *Geranium palustre* L.



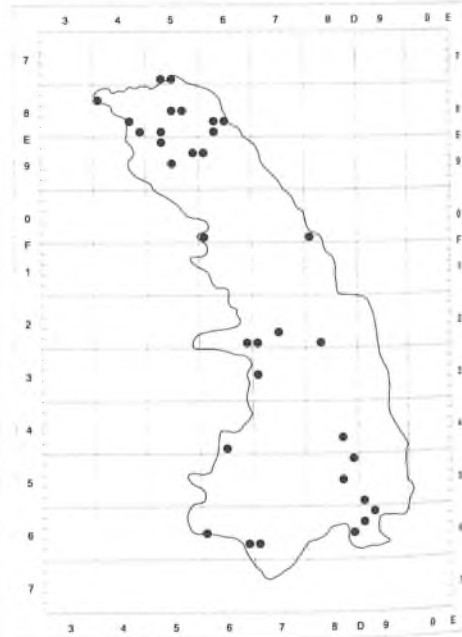
609. *Geranium phaeum* L.



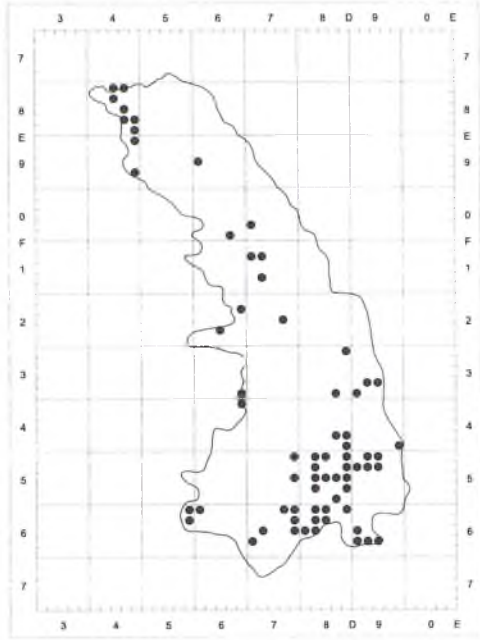
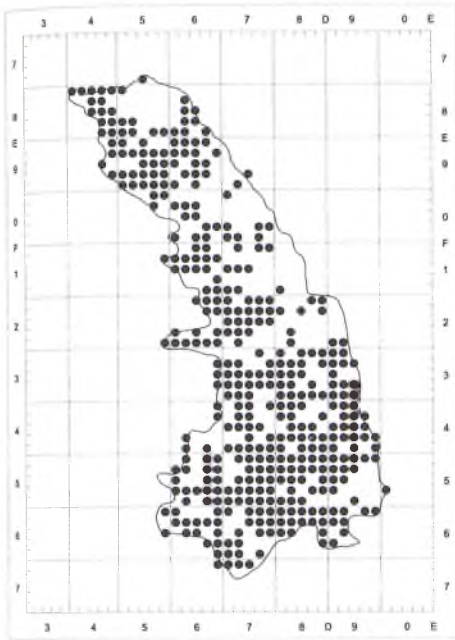
610. *Geranium pratense* L.



611. * *Geranium pusillum* L.

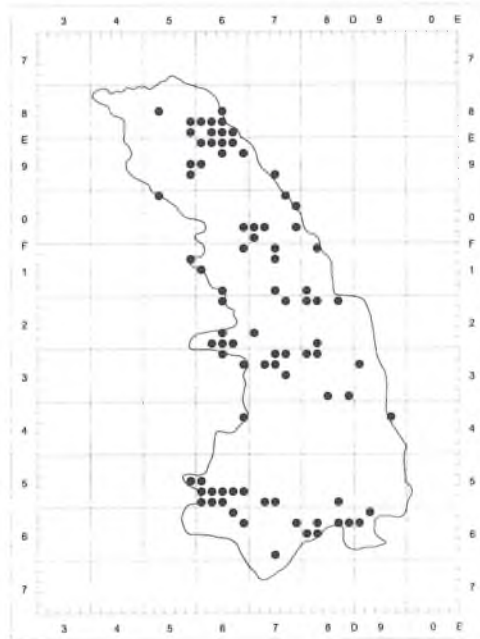
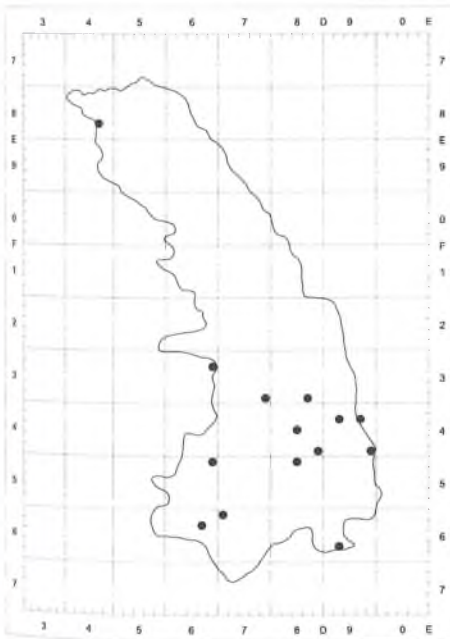


612. ** *Geranium pyrenaicum* L.



613. *Geranium robertianum* L.

614. *Geranium sanguineum* L.

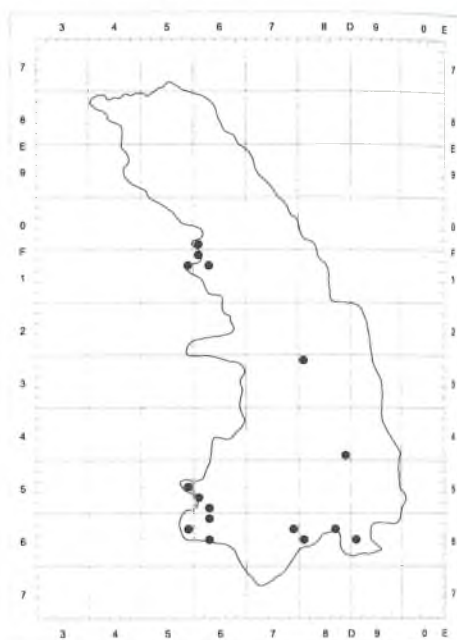


615. *Geranium sylvaticum* L.

616. *Geum rivale* L.



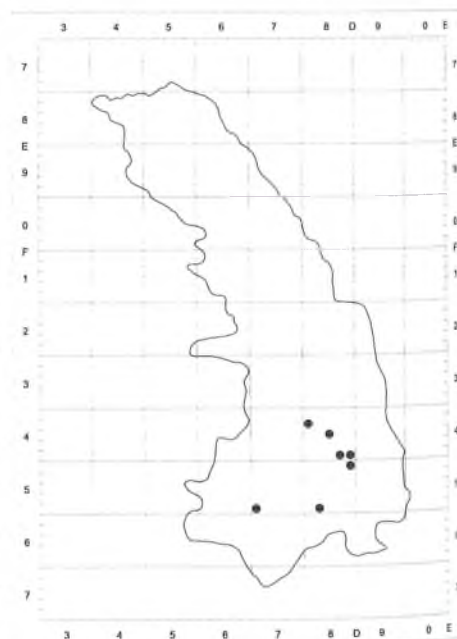
617. *Geum urbanum* L.



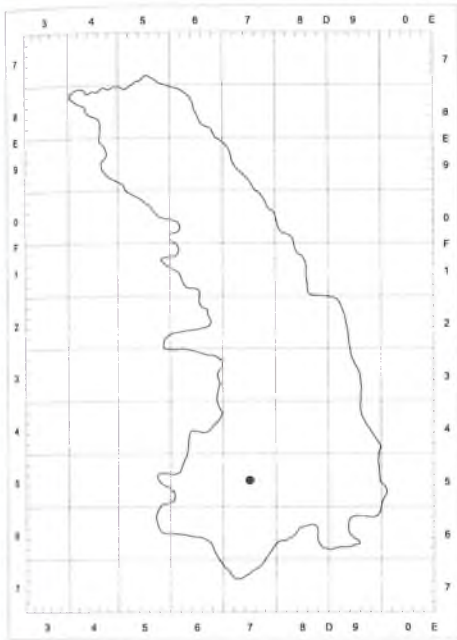
618. *Gladiolus imbricatus* L.



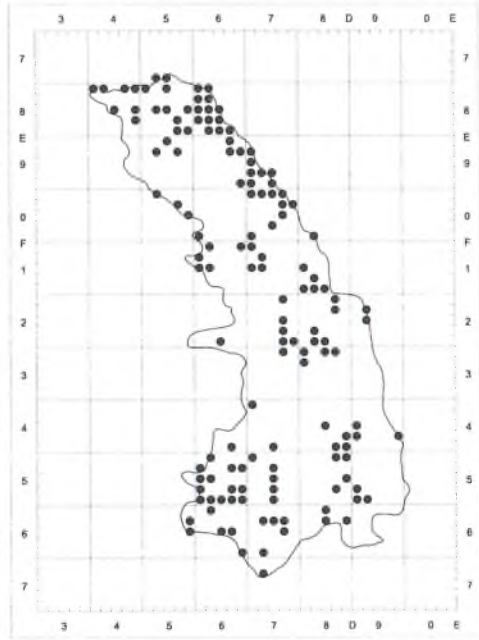
619. *Glechoma hederacea* L.



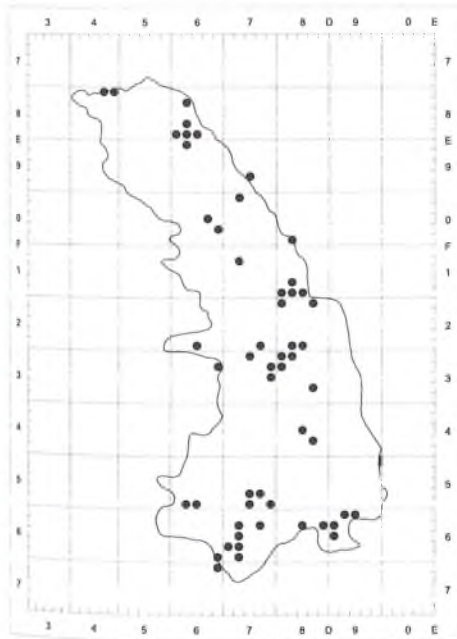
620. *Glechoma hirsuta* Waldst. & Kit.



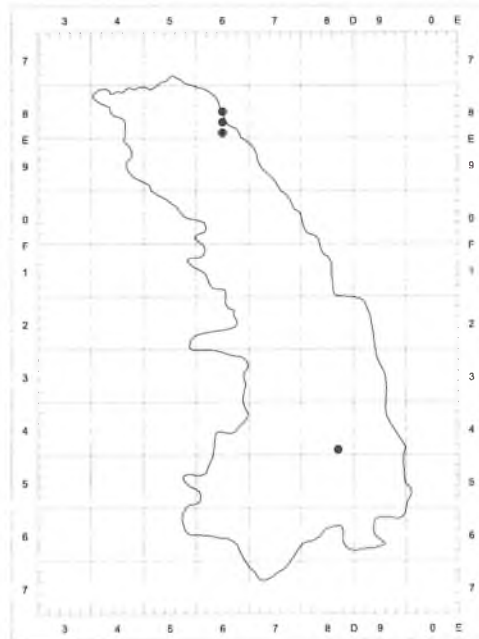
621. *Glyceria declinata* Bréb.



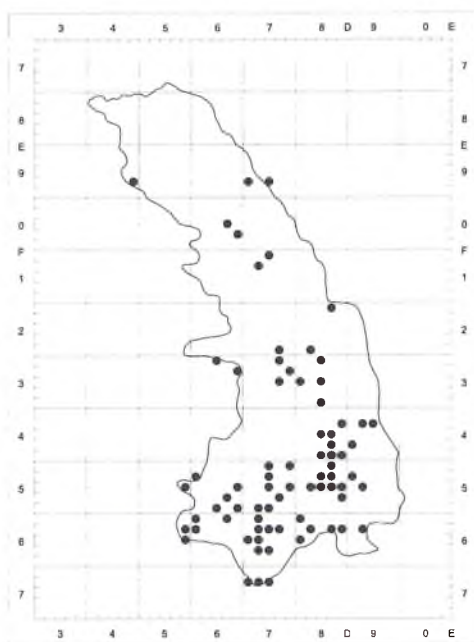
622. *Glyceria fluitans* (L.) R. Br.



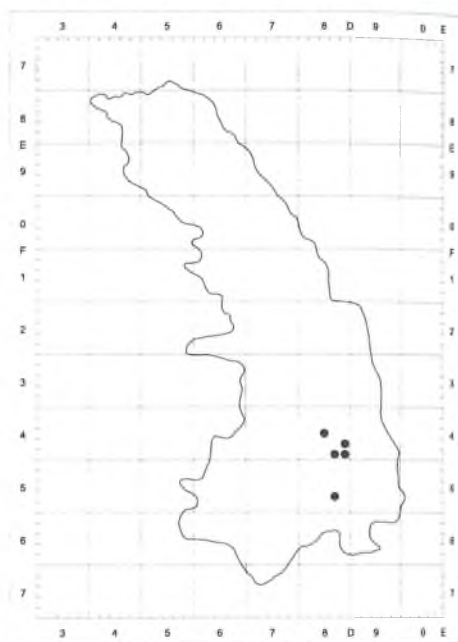
623. *Glyceria maxima* (Hartm.) Holmb.



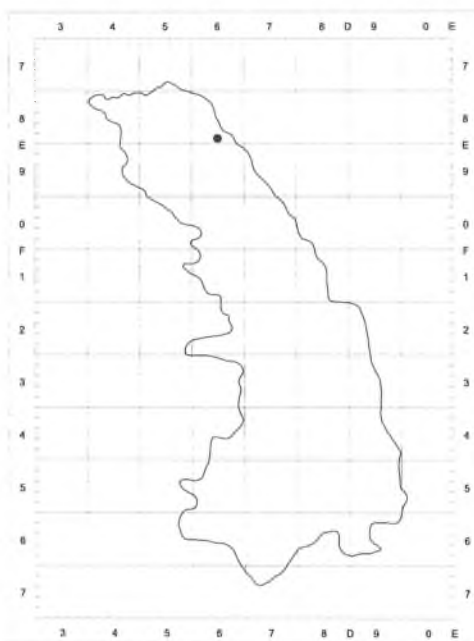
624. *Glyceria nemoralis* (R. Uechtr.)
R. Uechtr. & Körn.



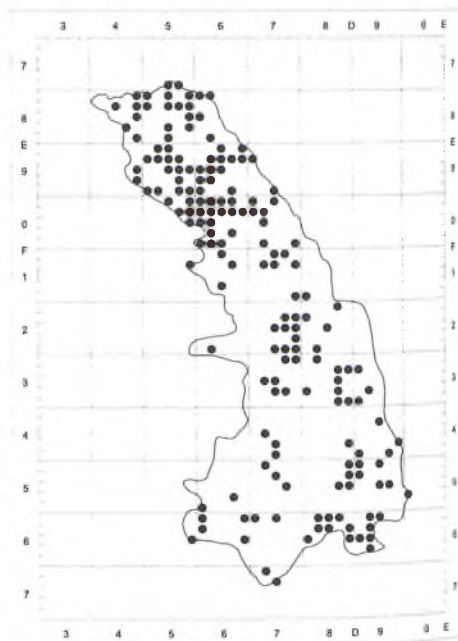
625. *Glyceria notata* Chevall.



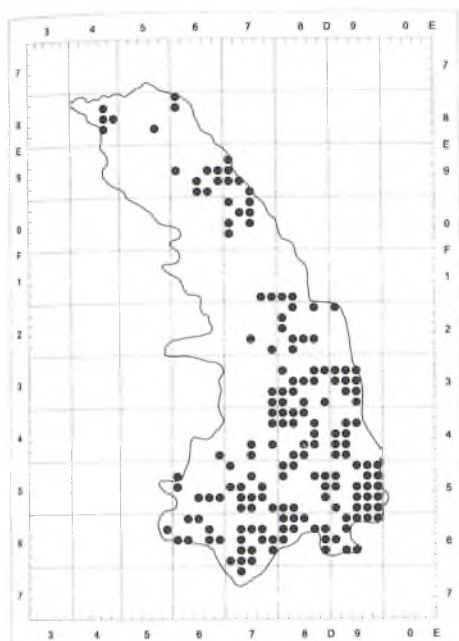
626. *Glyceria xpedicellata* F. Towns.



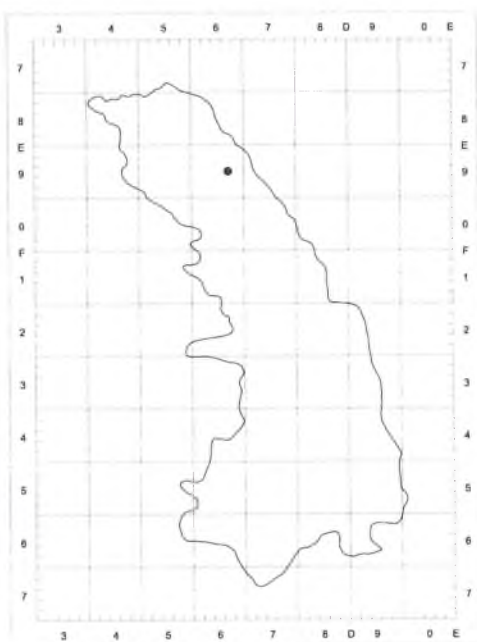
627. ** *Glyceria striata* (Lam.) Hitchc.



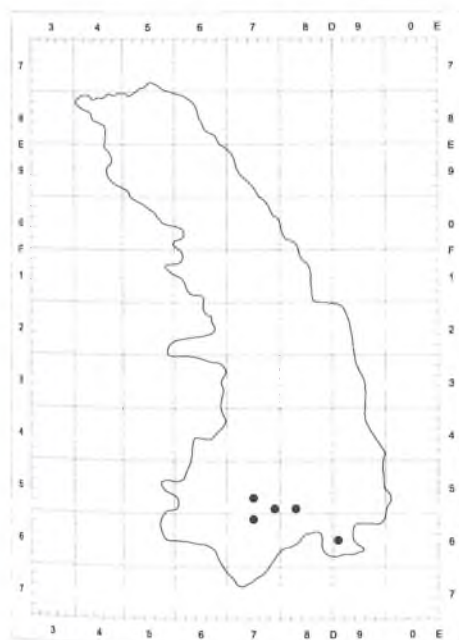
628. *Gnaphalium sylvaticum* L.



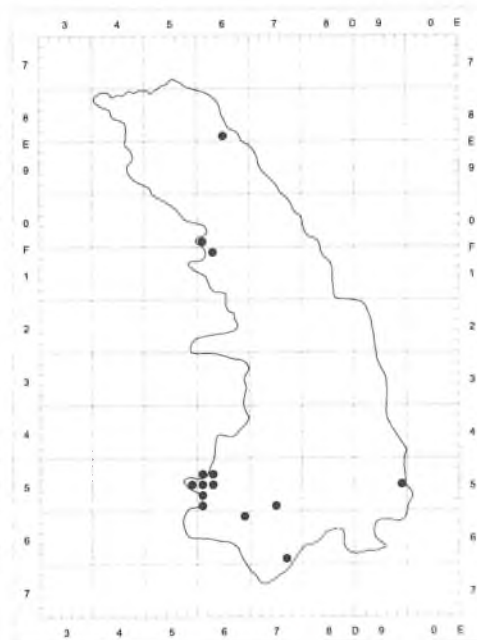
629. *Gnaphalium uliginosum* L.



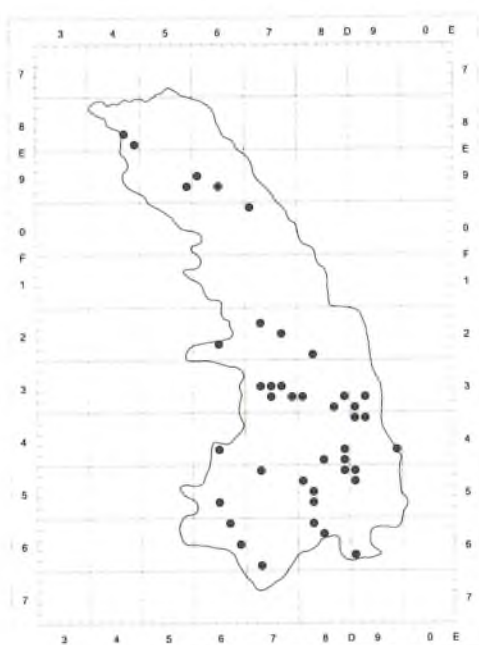
630. *Goodyera repens* (L.) R. Br.



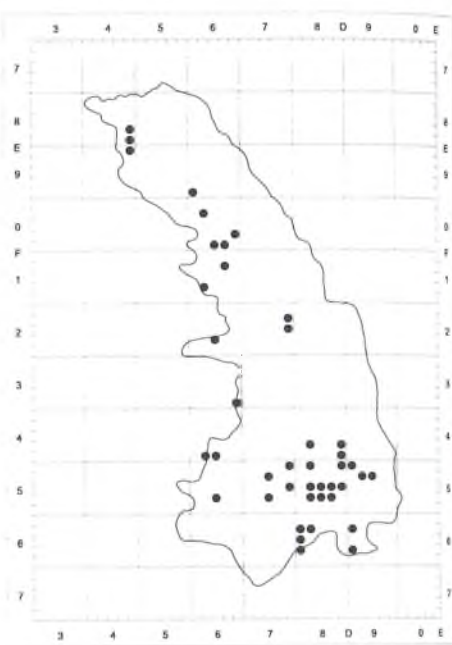
631. + *Gratiola officinalis* L.



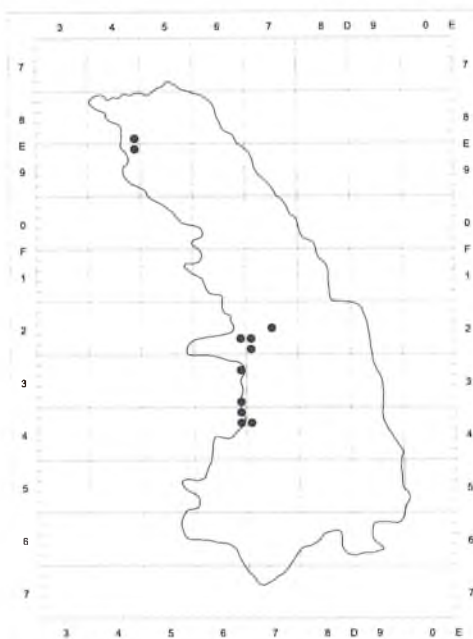
632. *Gymnadenia conopsea* (L.) R. Br.



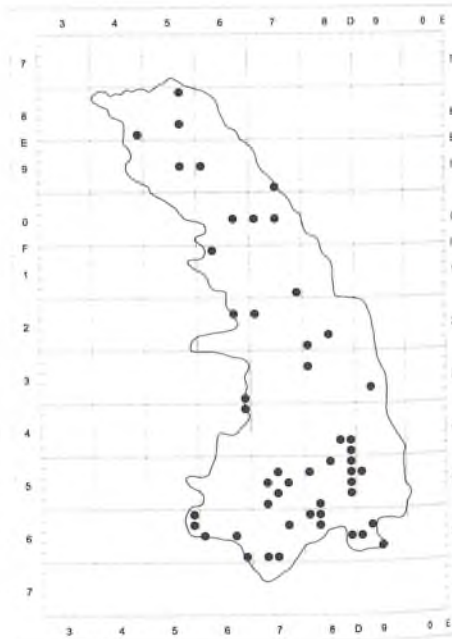
633. *Gymnocarpium dryopteris* (L.)
Newman



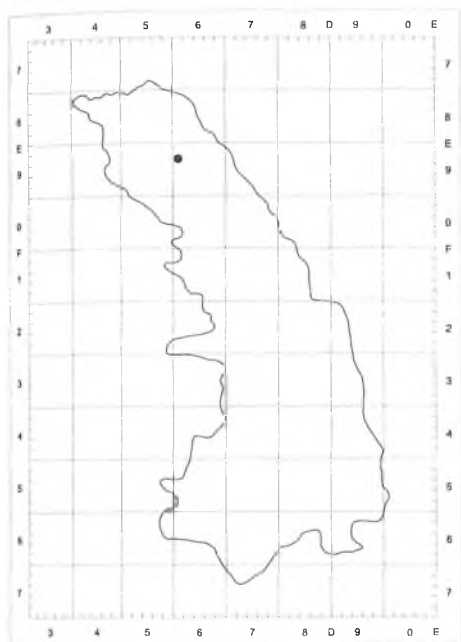
634. *Gymnocarpium robertianum*
(Hoffm.) Newman



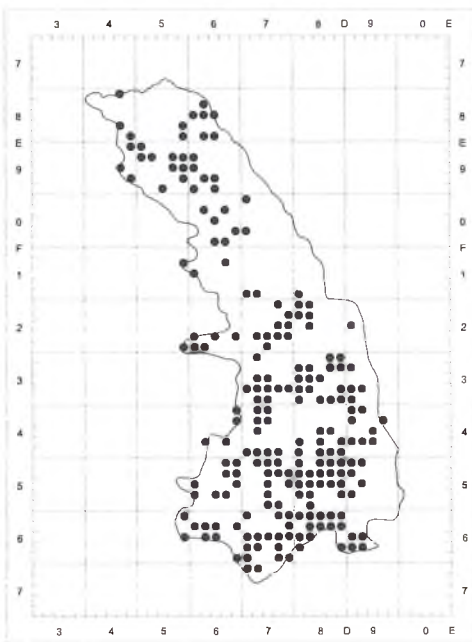
635. *Gypsophila fastigiata* L.



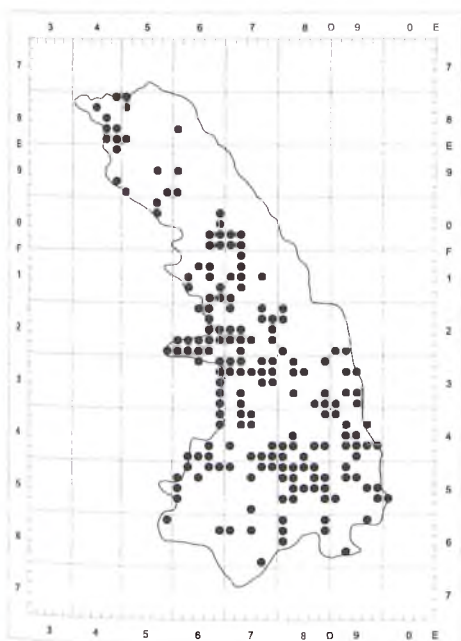
636. *Gypsophila muralis* L.



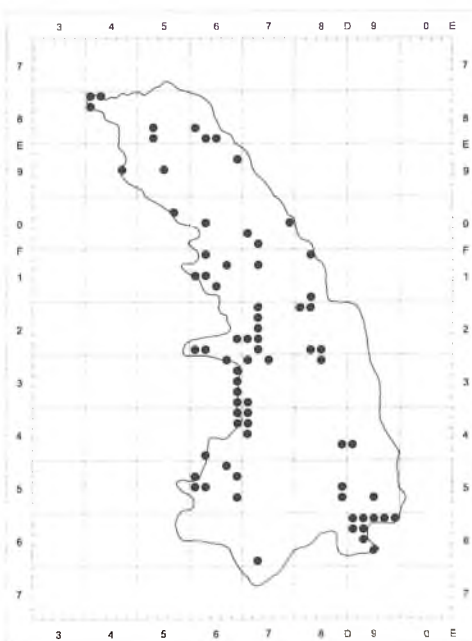
637. Δ *Gypsophila paniculata* L.



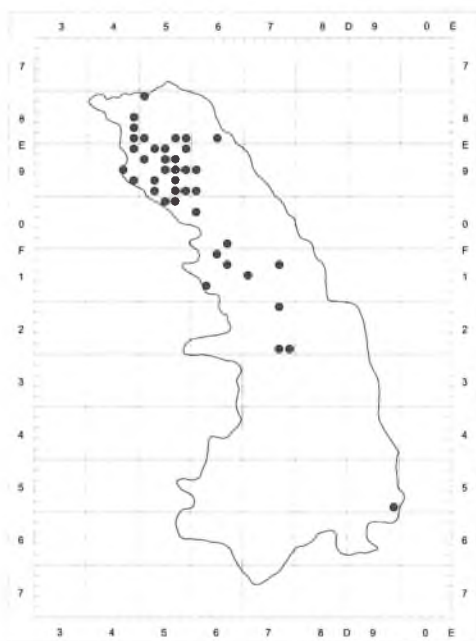
638. *Hedera helix* L.



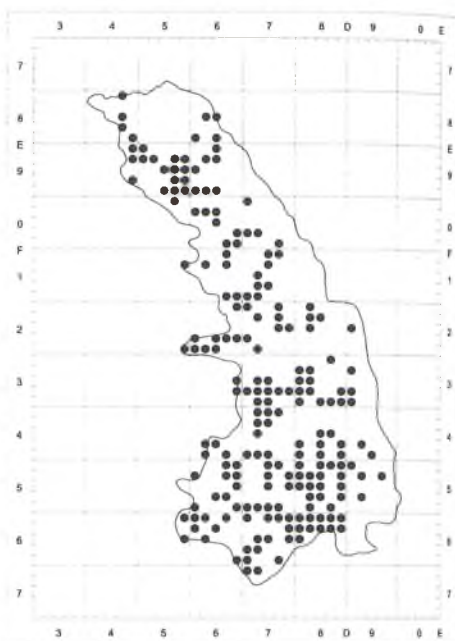
639. *Helianthemum nummularium* (L.) Mill.



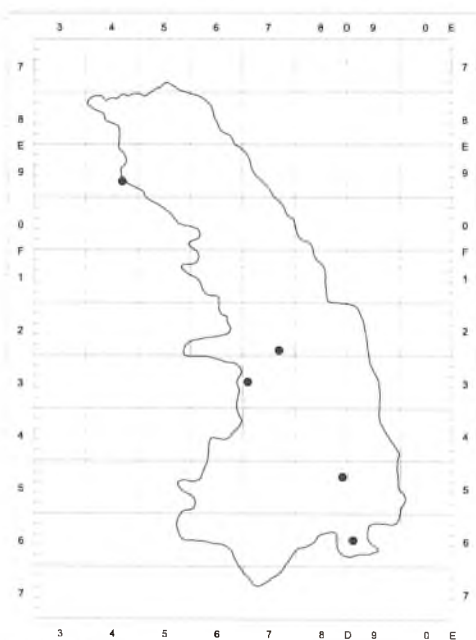
640. ** *Helianthus tuberosus* L.



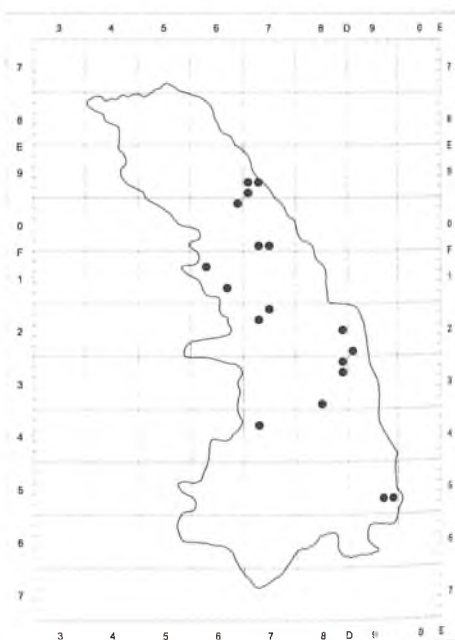
641. *Helichrysum arenarium* (L.)
Moench



642. *Hepatica nobilis* Schreb.



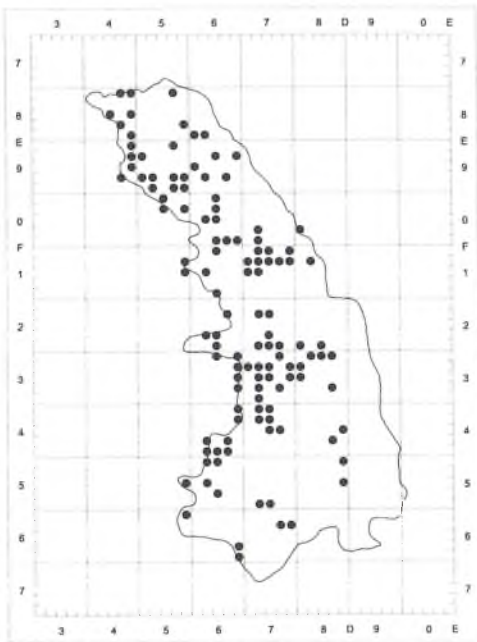
643. ** *Heracleum mantegazzianum*
Sommier & Levier



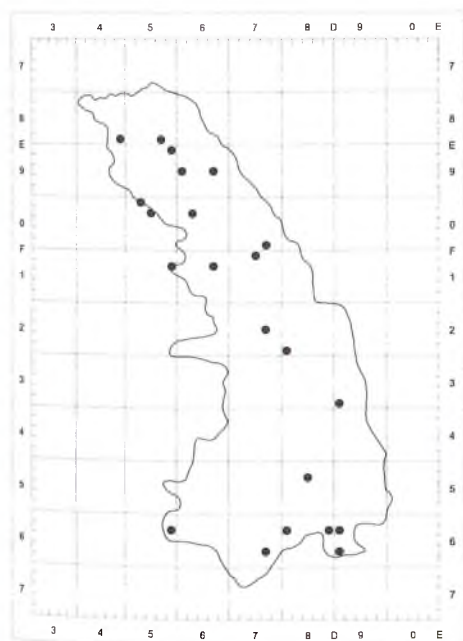
644. ** *Heracleum sosnowskyi*
Manden.



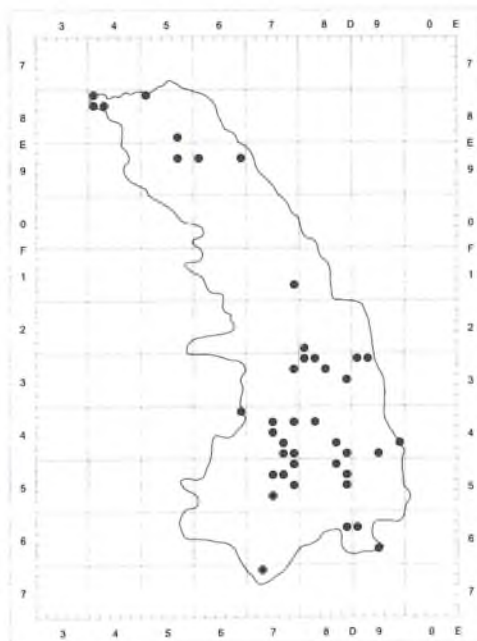
645. *Heracleum sphondylium* L. s. str.



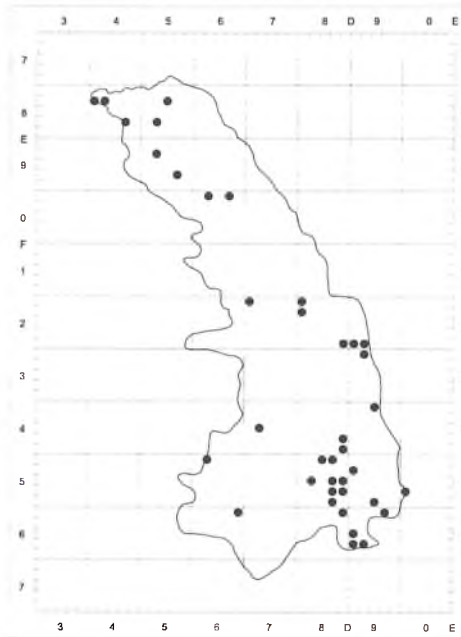
646. *Herniaria glabra* L.



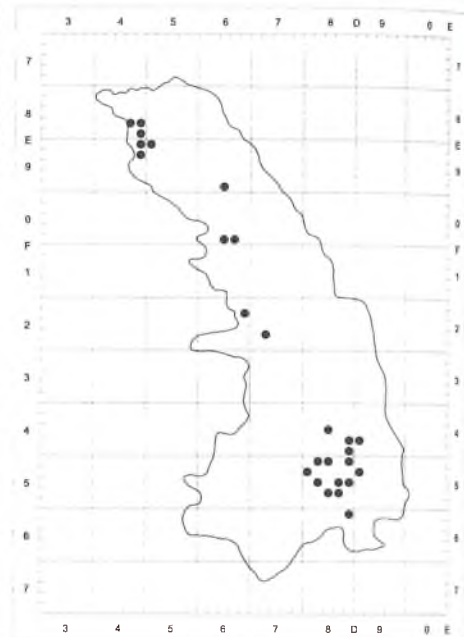
647. * *Herniaria hirsuta* L.



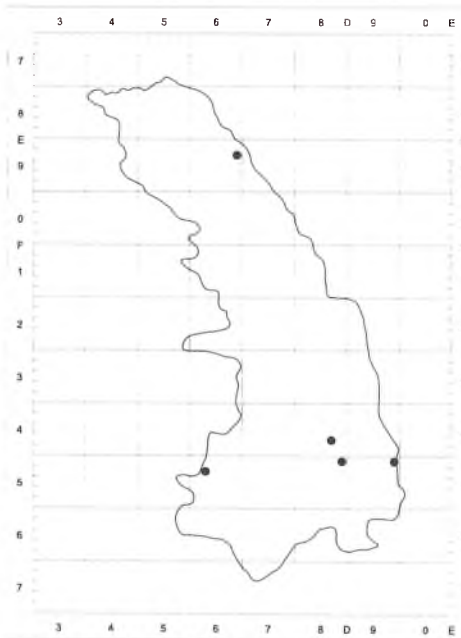
648. ** *Hesperis matronalis* L.



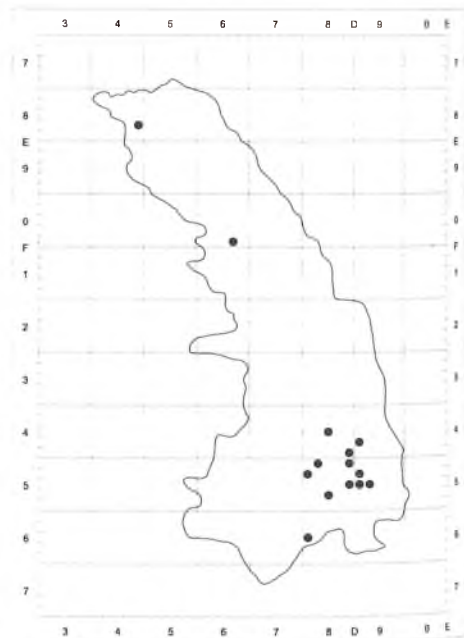
649. *Hieracium bauhinii* Schult.



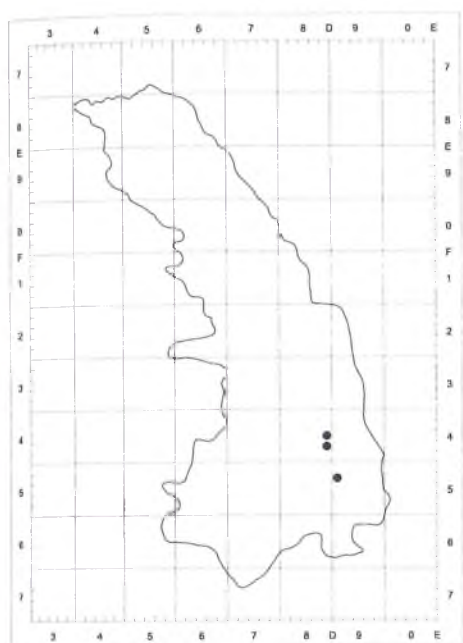
650. *Hieracium bifidum*
Kit. ex Hornem.



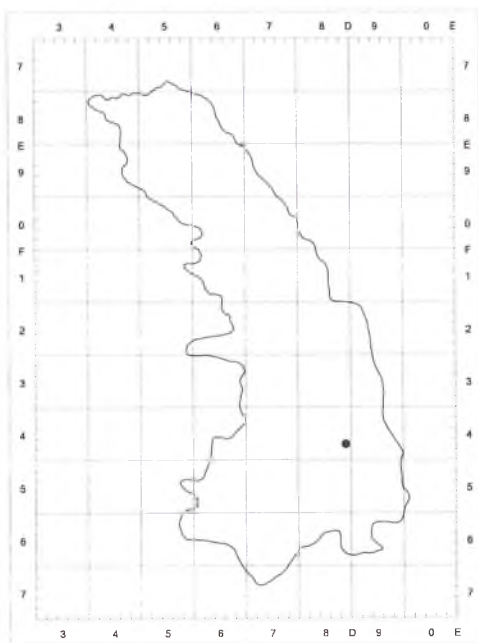
651. *Hieracium bracchiatum*
Bertol. ex DC.



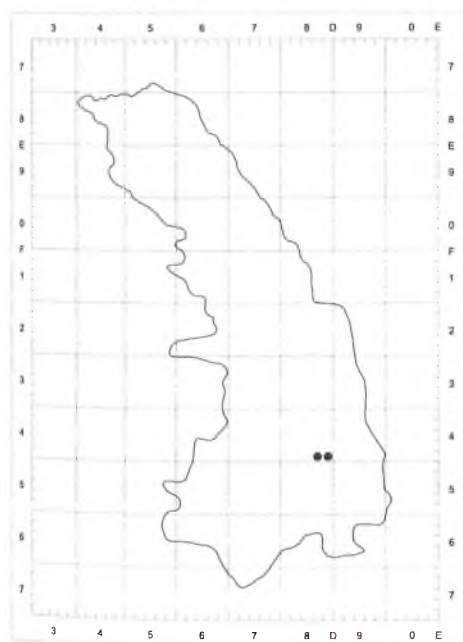
652. *Hieracium caesium* (Fr.) Fr.



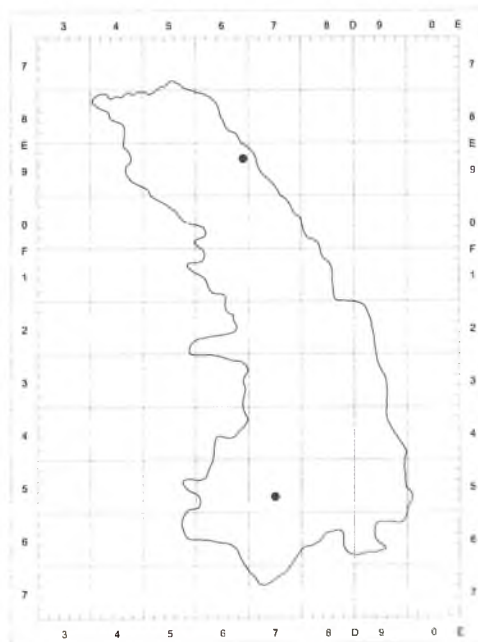
653. + *Hieracium echiodides* Lumn.



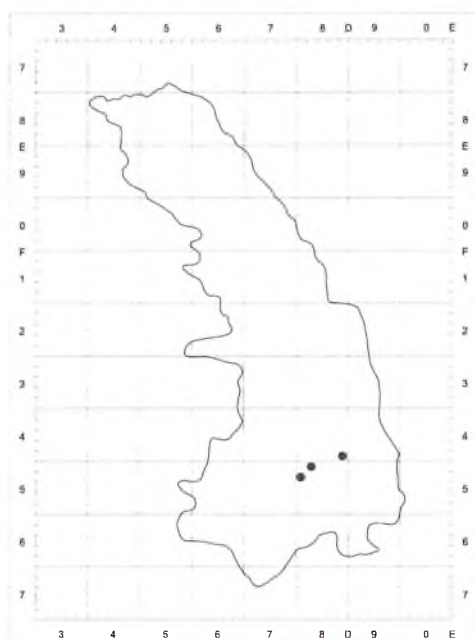
654. + *Hieracium fallax* Willd.



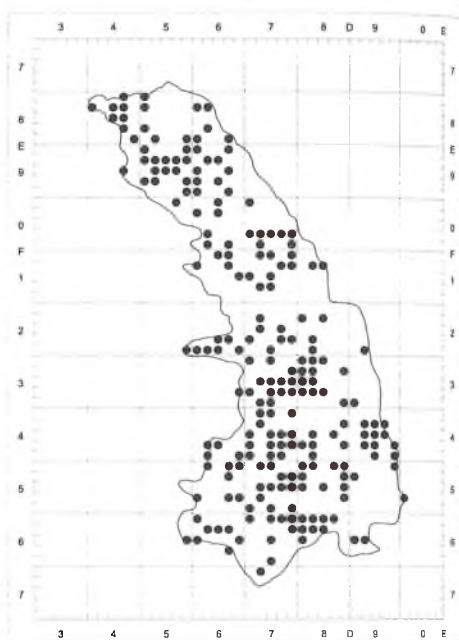
655. *Hieracium flagellare* Willd.



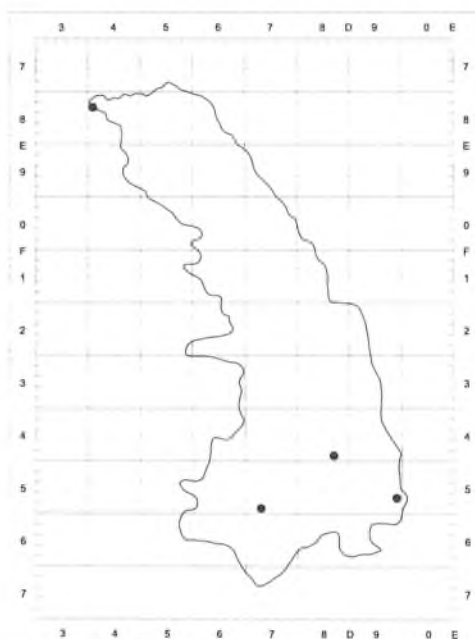
656. *Hieracium floribundum*
Wimm. & Grab.



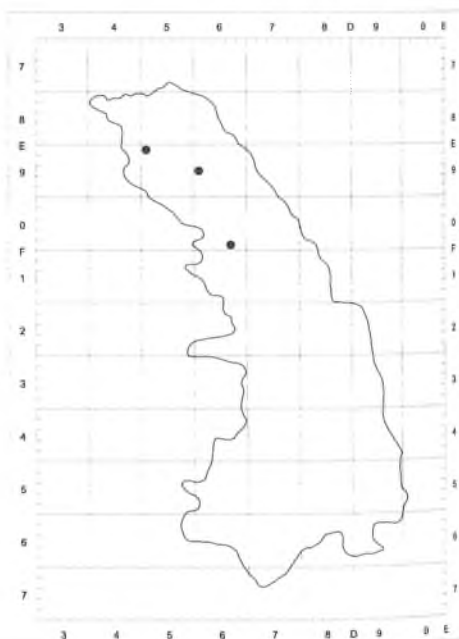
657. *Hieracium fuscocinereum*
Norrl. emend. S. Bräut.



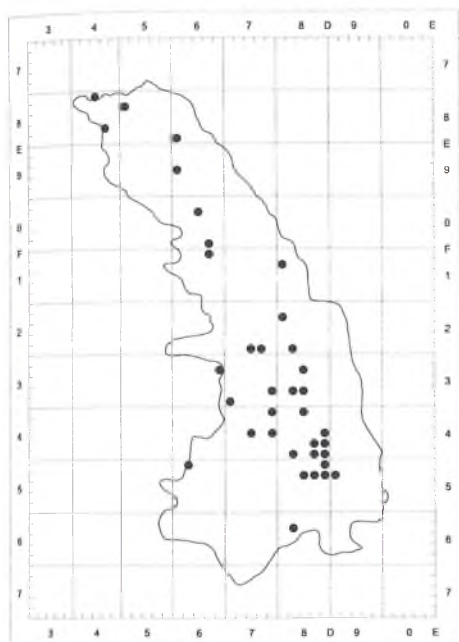
658. *Hieracium lachenalii* C. C. Gmel.



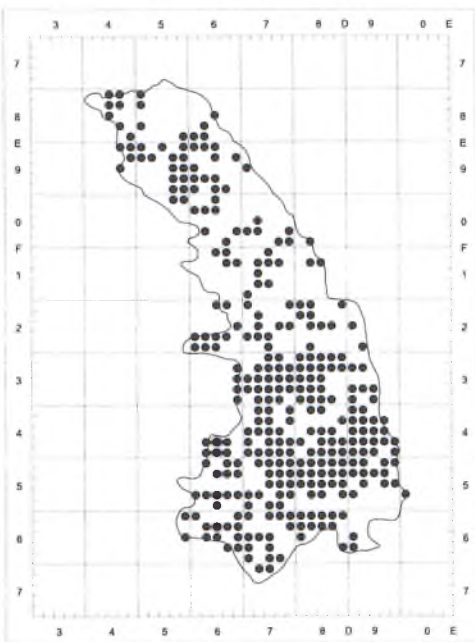
659. *Hieracium lactucella* Wallr.



660. *Hieracium laevicaule* Jord.



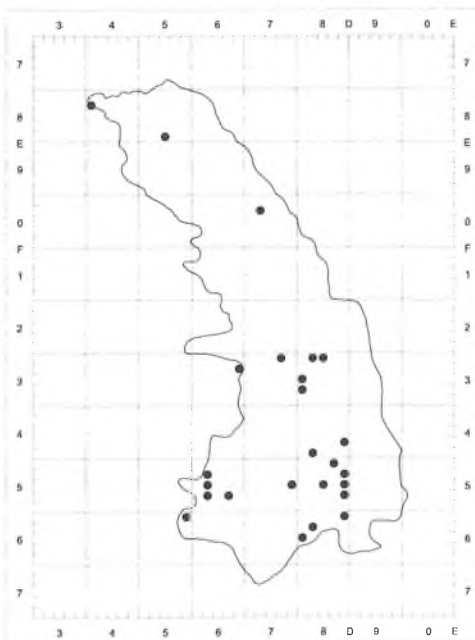
661. *Hieracium laevigatum* Willd.



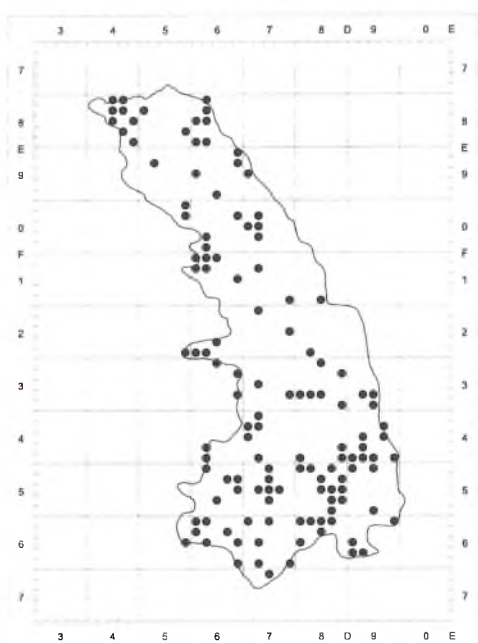
662. *Hieracium murorum* L.



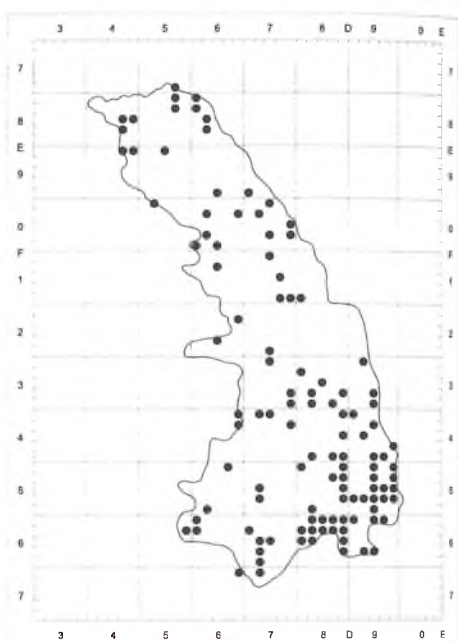
663. *Hieracium pilosella* L.



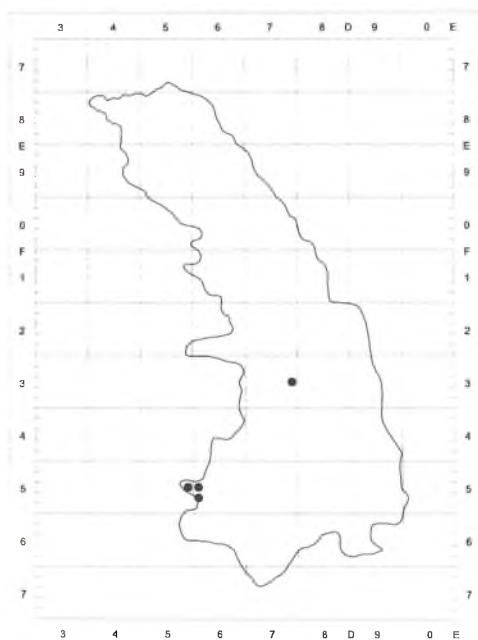
664. *Hieracium piloselloides* Vill.



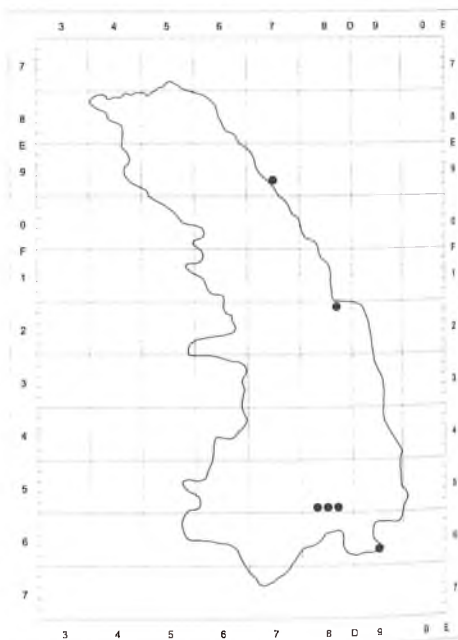
665. *Hieracium sabaudum* L.



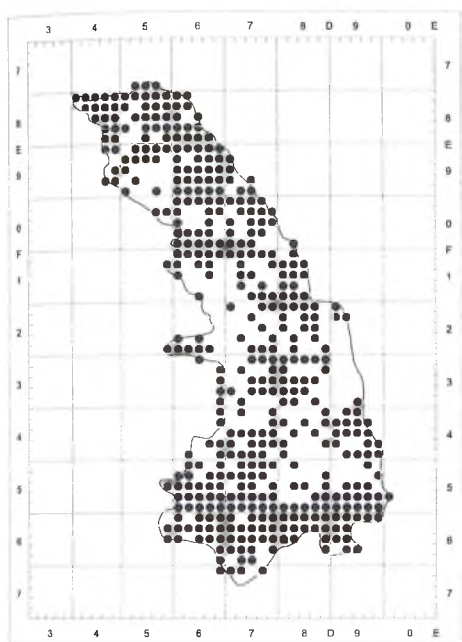
666. *Hieracium umbellatum* L.



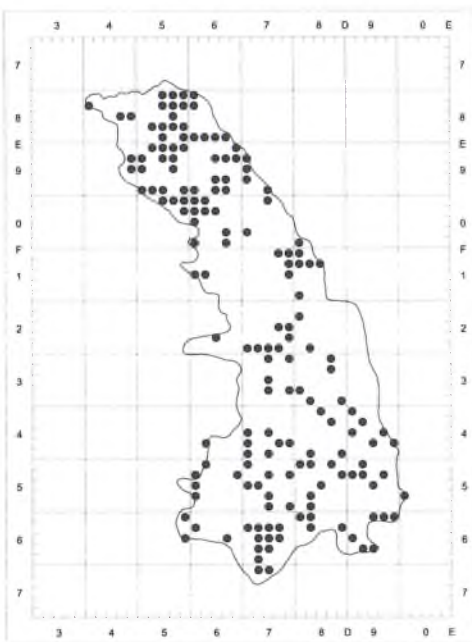
667. Δ *Hippophaë rhamnoides* L.



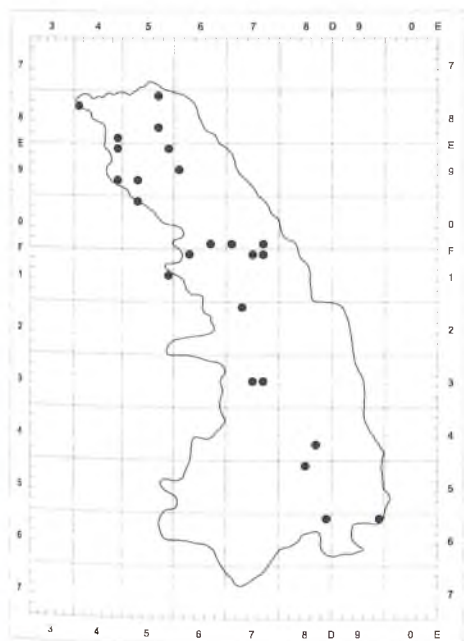
668. *Hippuris vulgaris* L.



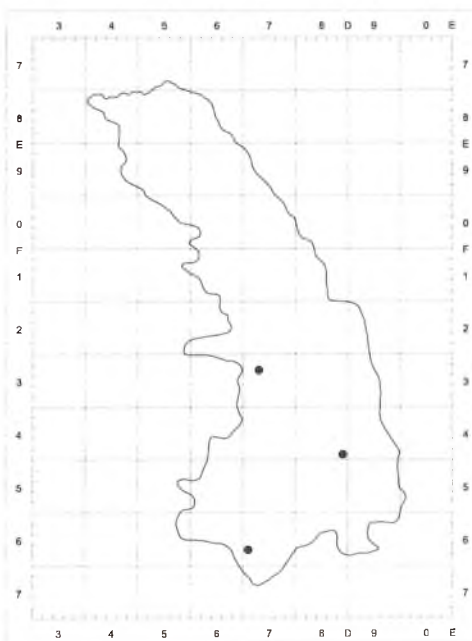
669. *Holcus lanatus* L.



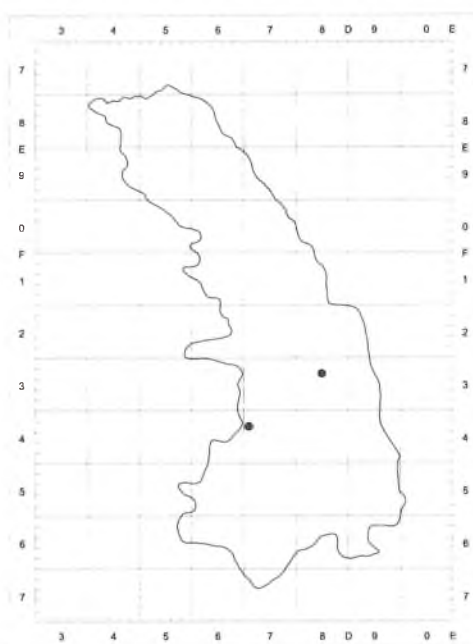
670. *Holcus mollis* L.



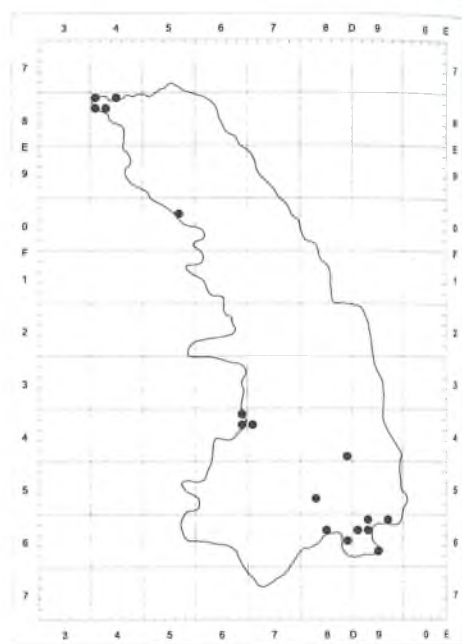
671. *Holosteum umbellatum* L.



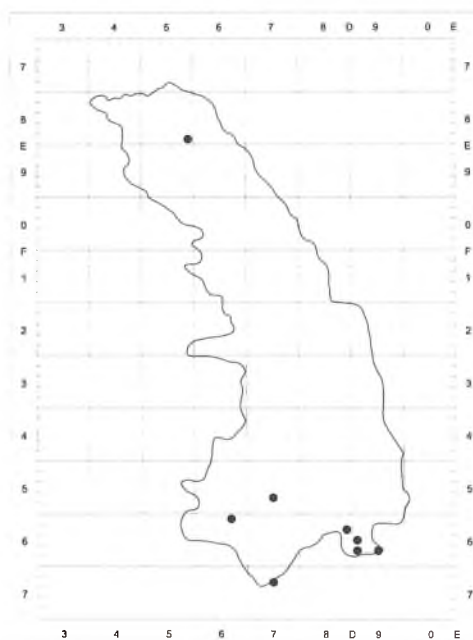
672. *Hordelymus europaeus* (L.)
Jess. ex Harz



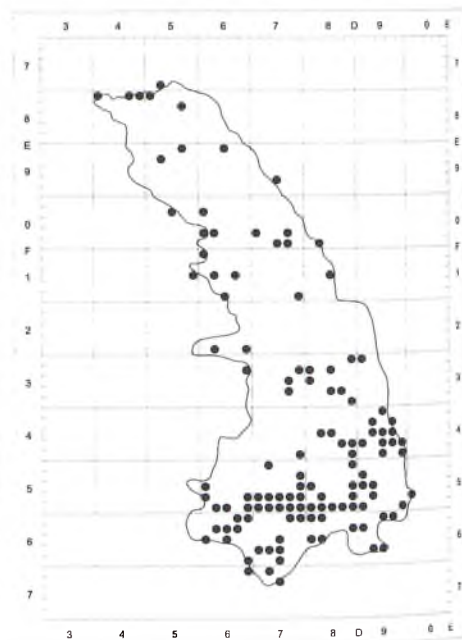
673. ** *Hordeum jubatum* L.



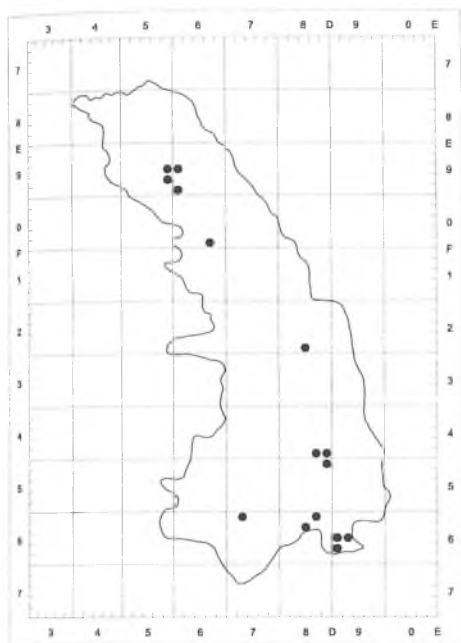
674. * *Hordeum murinum* L.



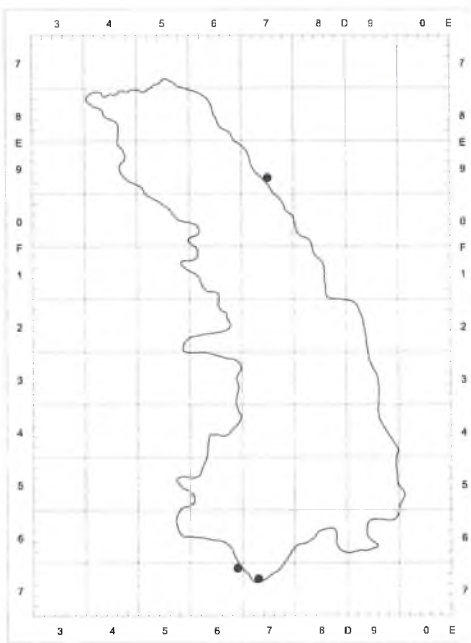
675. *Hottonia palustris* L.



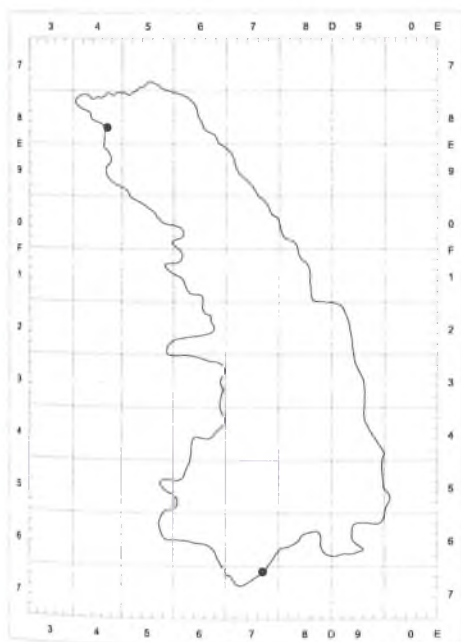
676. *Humulus lupulus* L.



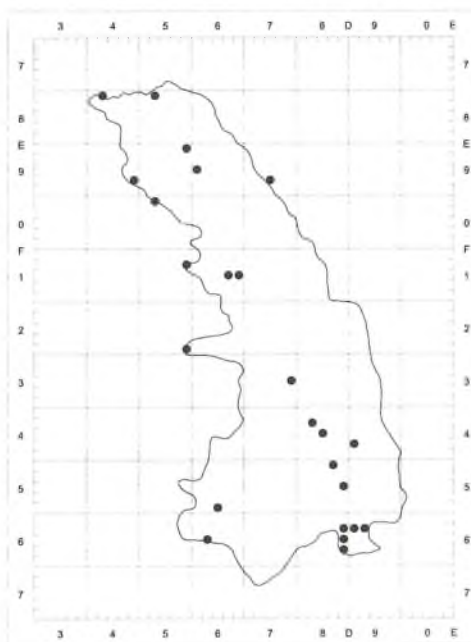
677. *Huperzia selago* (L.)
Bernh ex Schrank & Mart.



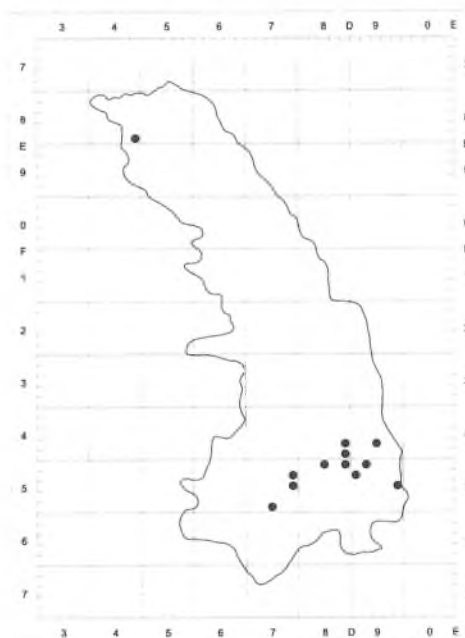
678. *Hydrocharis morsus-ranae* L.



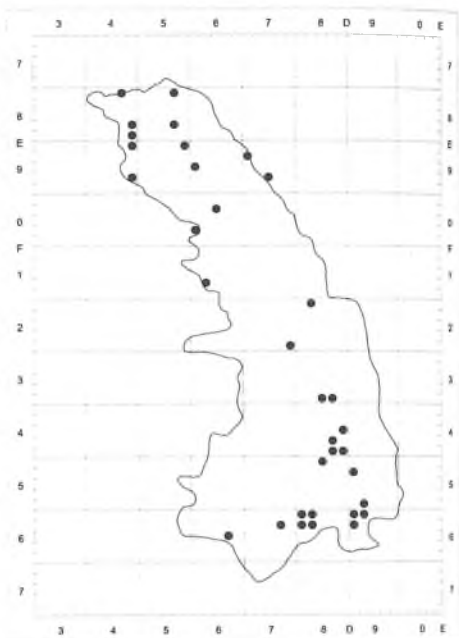
679. + *Hydrocotyle vulgaris* L.



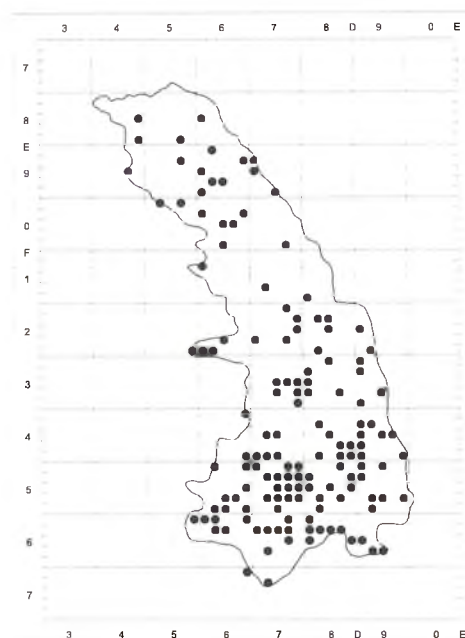
680. * *Hyoscyamus niger* L.



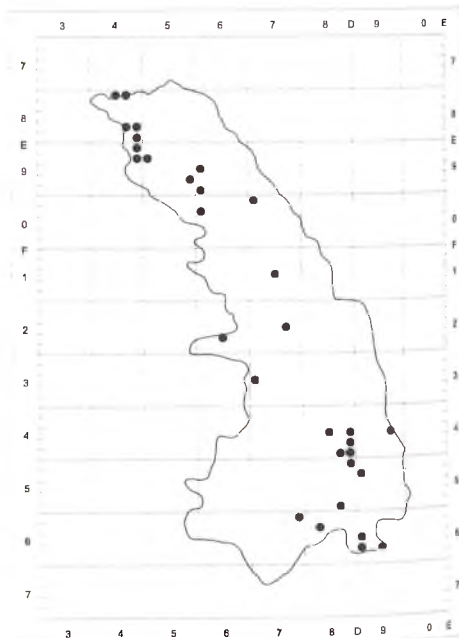
681. *Hypericum hirsutum* L.



682. *Hypericum humifusum* L.



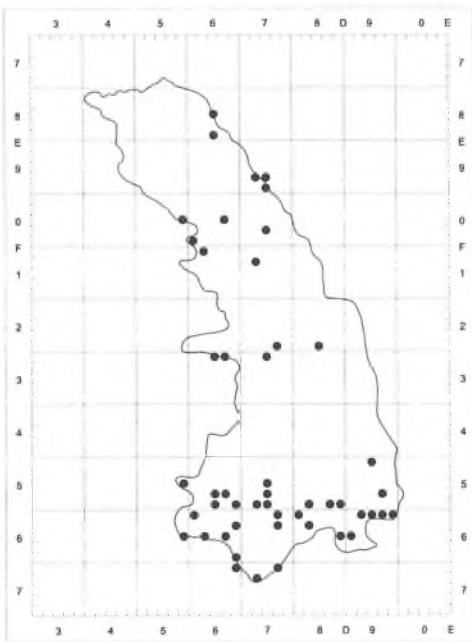
683. *Hypericum maculatum* Crantz



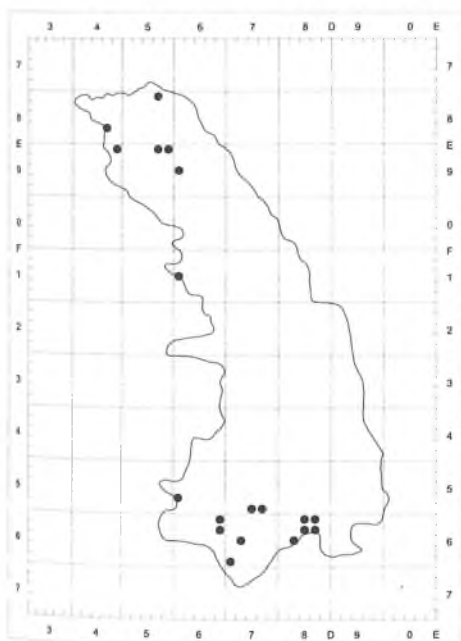
684. *Hypericum montanum* L.



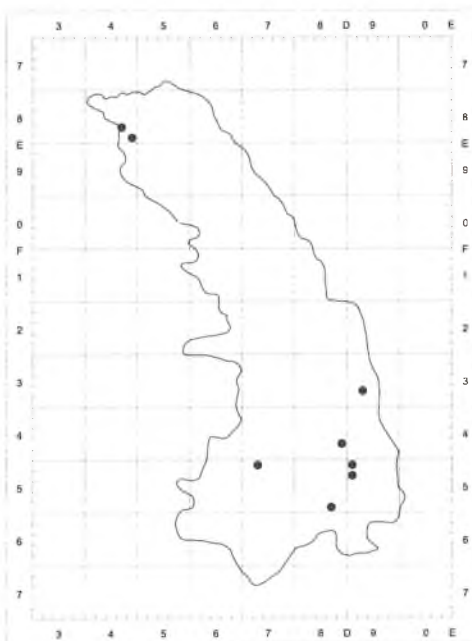
685. *Hypericum perforatum* L.



686. *Hypericum tetrapterum* Fr.



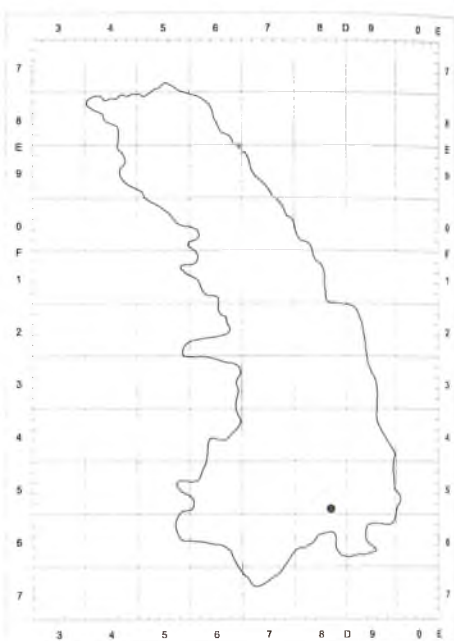
687. *Hypochoeris glabra* L.



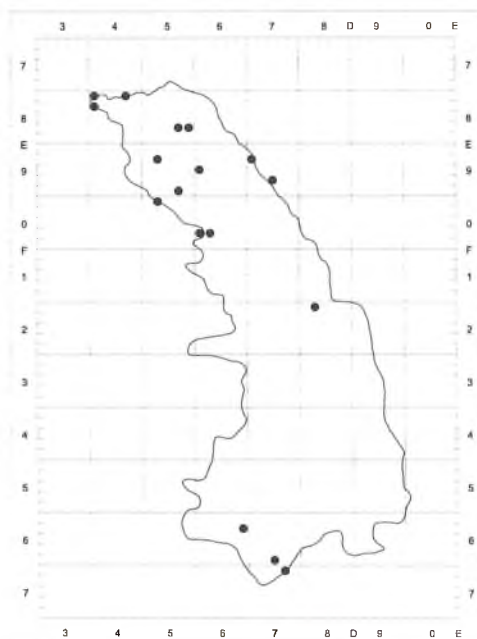
688. *Hypochoeris maculata* L.



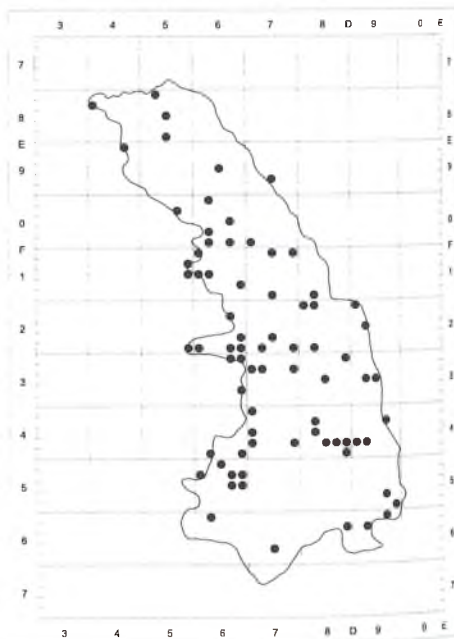
689. *Hypochoeris radicata* L.



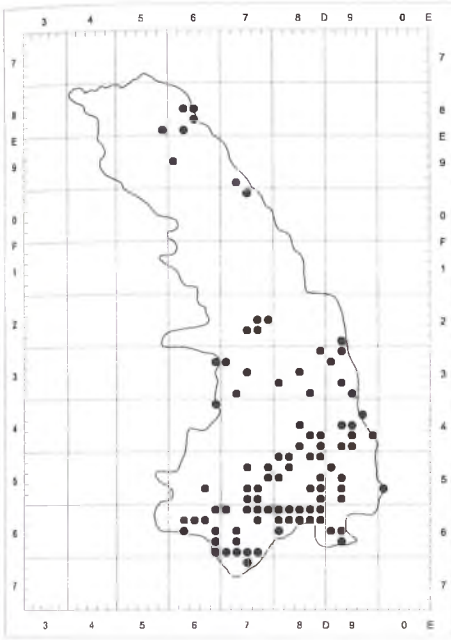
690. * *Hyssopus officinalis* L.



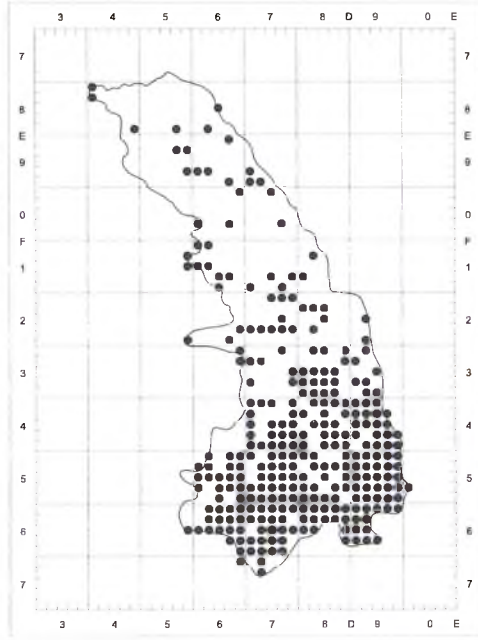
691. *Illecebrum verticillatum* L.



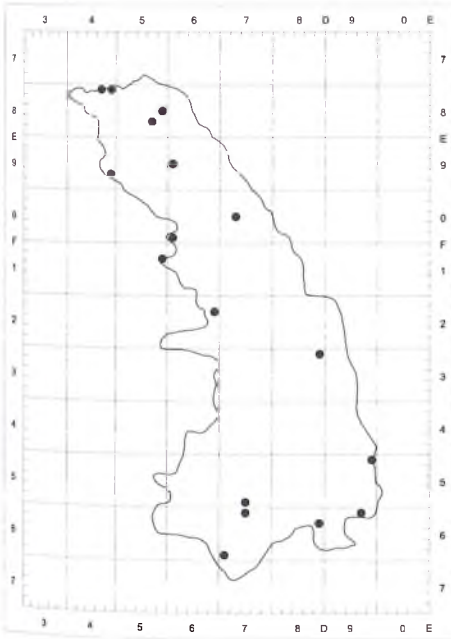
692. ** *Impatiens glandulifera* Royle



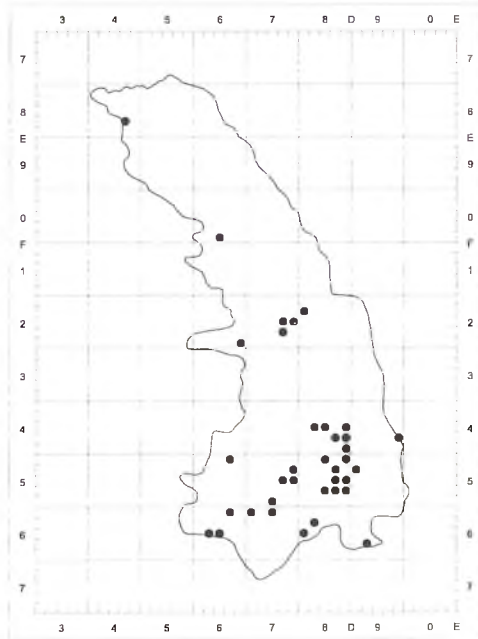
693. *Impatiens noli-tangere* L.



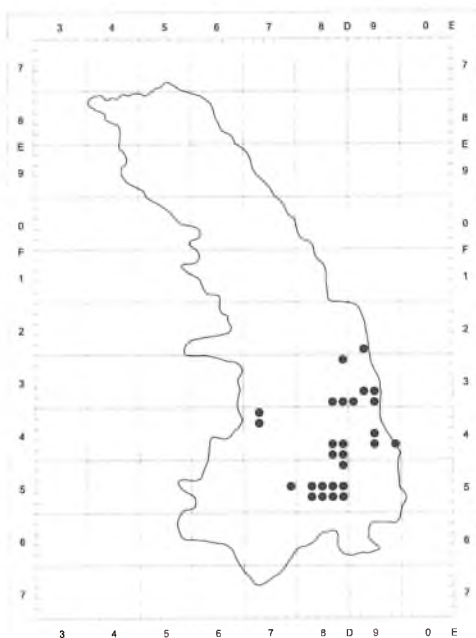
694. ** *Impatiens parviflora* DC.



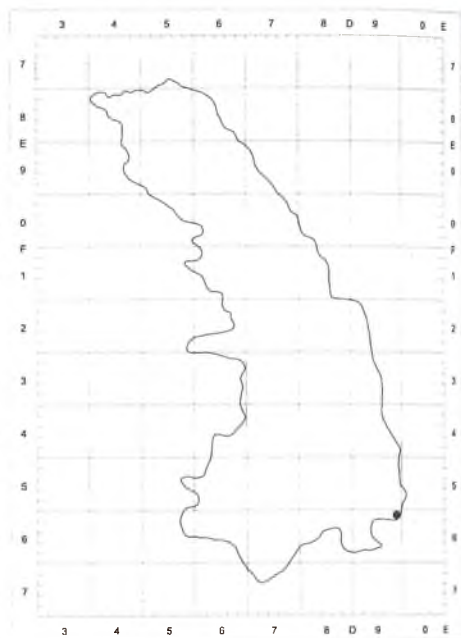
695. *Inula britannica* L.



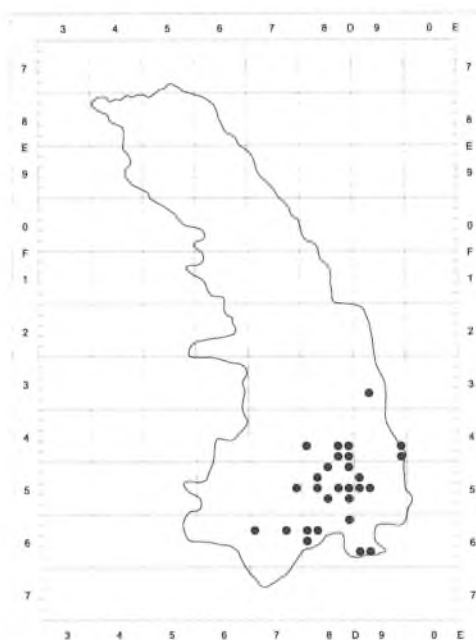
696. *Inula conyza* DC.



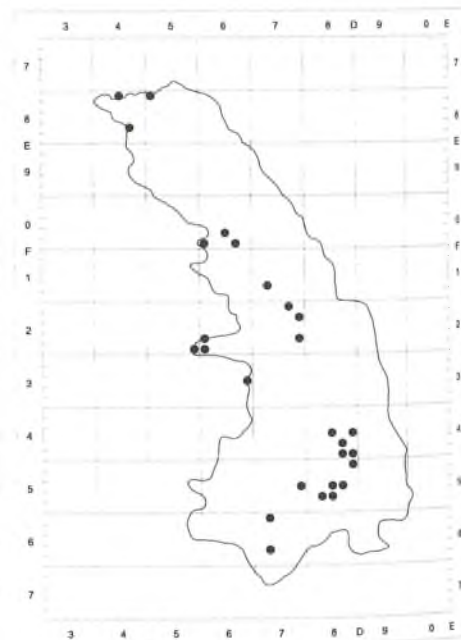
697. *Inula ensifolia* L.



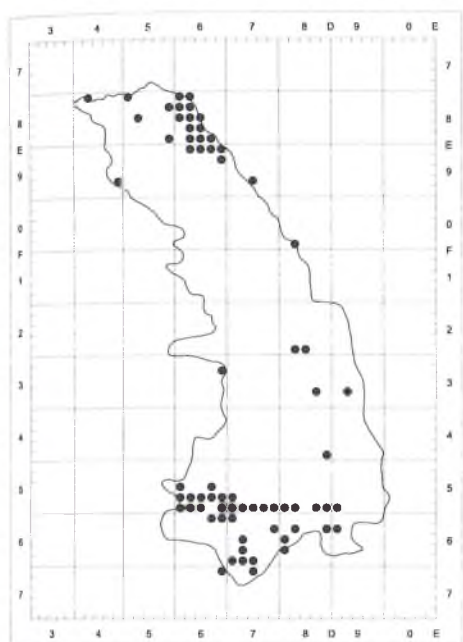
698. ** *Inula helenium* L.



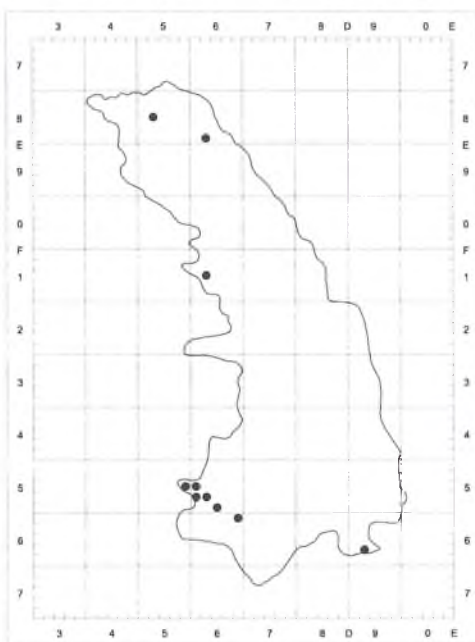
699. *Inula hirta* L.



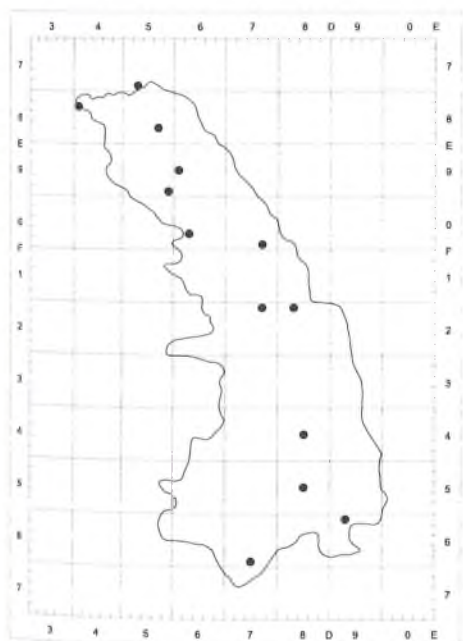
700. *Inula salicina* L.



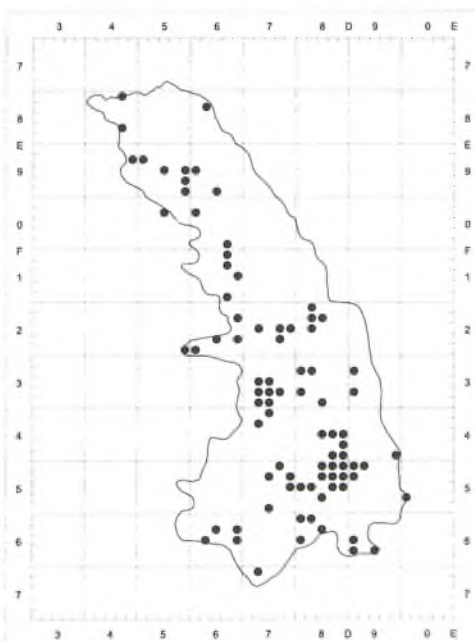
701. *Iris pseudacorus* L.



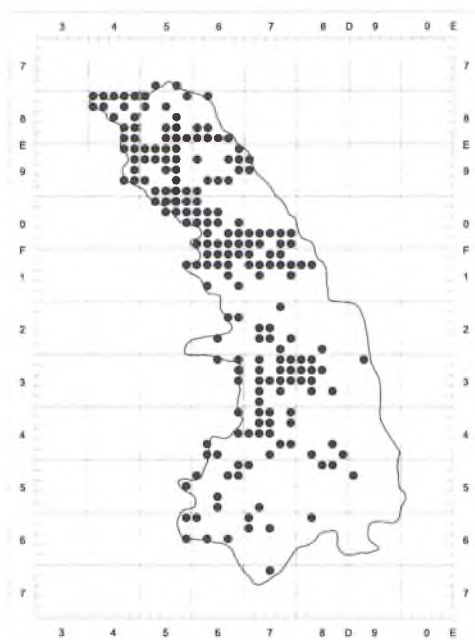
702. *Iris sibirica* L.



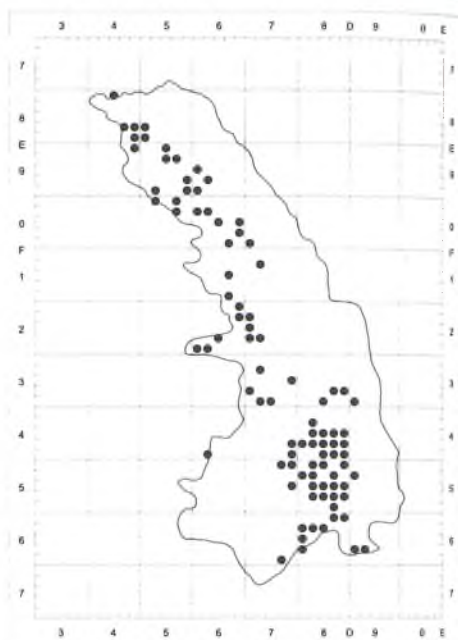
703. *Isolepis setacea* (L.) R. Br.



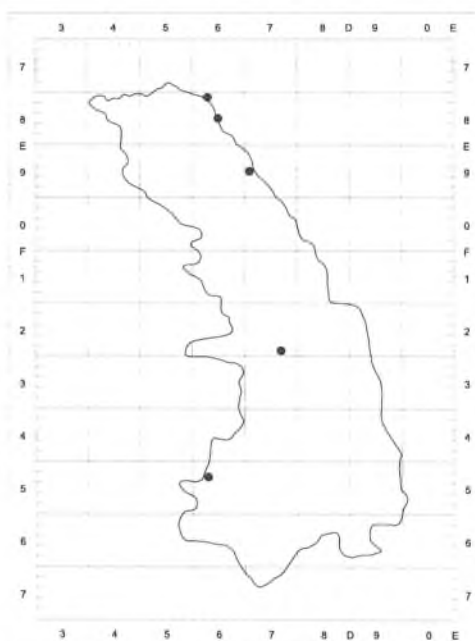
704. *Isopyrum thalictroides* L.



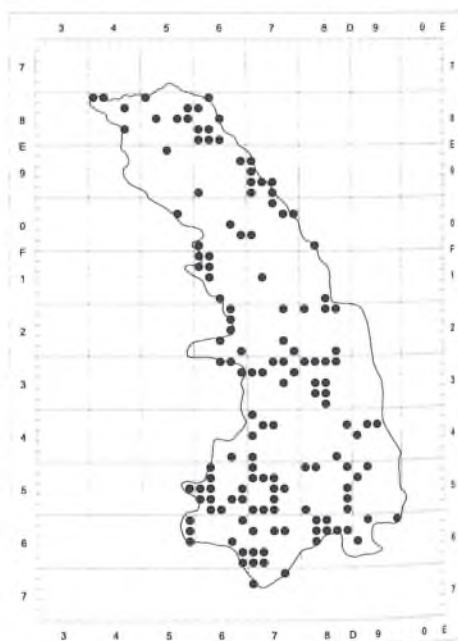
705. *Jasione montana* L.



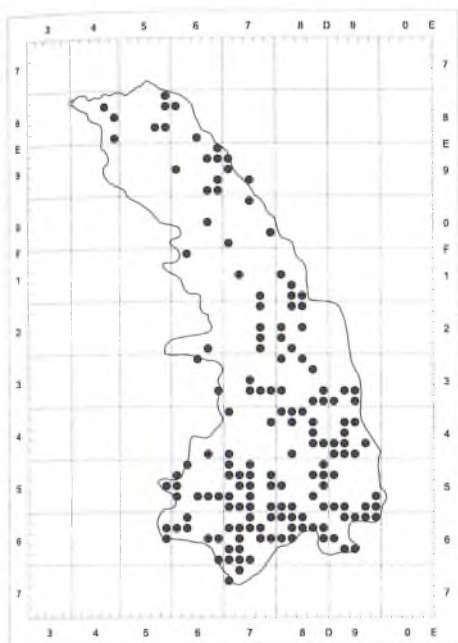
706. *Jovibarba sobolifera* (Sims) Opiz



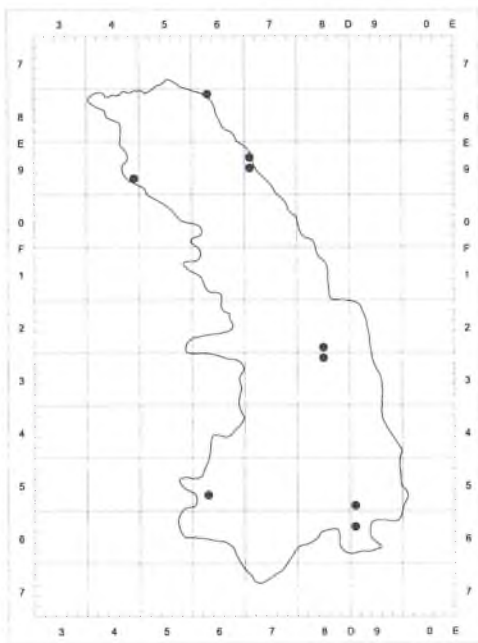
707. *Juncus alpino-articulatus* Chaix



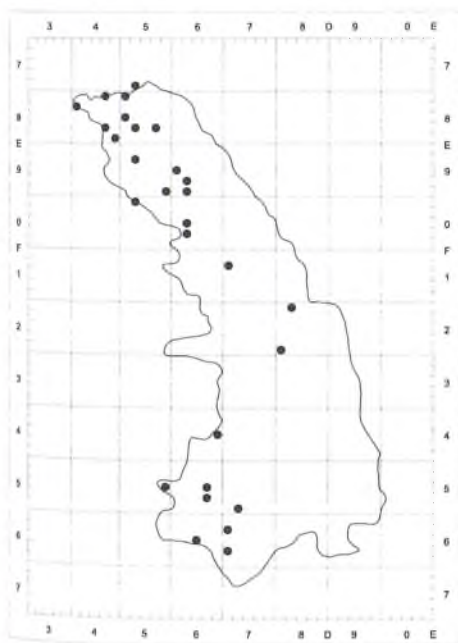
708. *Juncus articulatus* L. emend.
K. Richt.



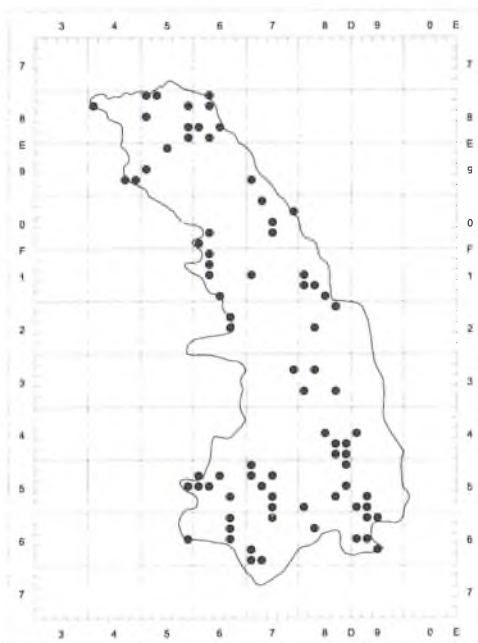
709. *Juncus bufonius* L.



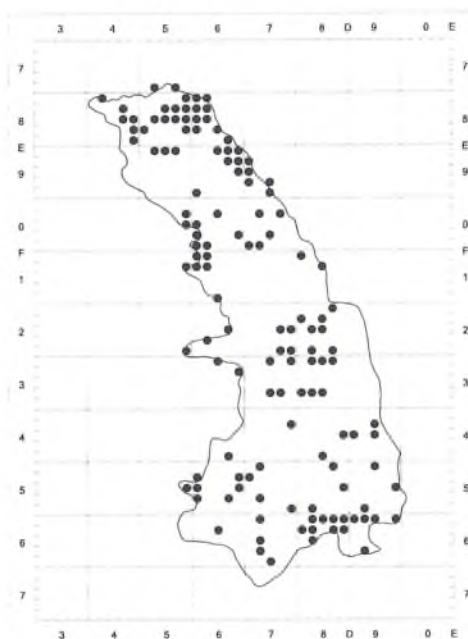
710. *Juncus bulbosus* L.



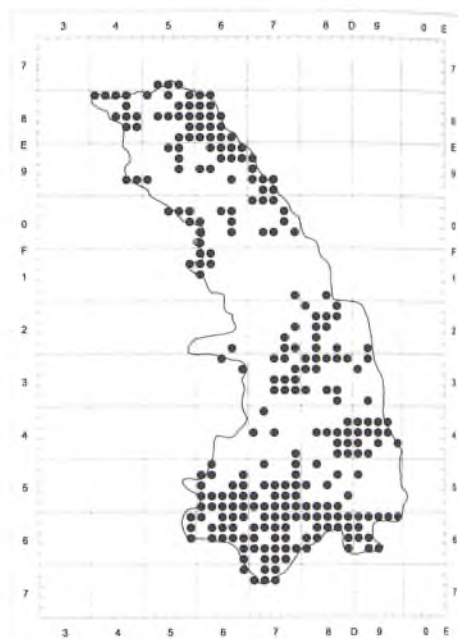
711. *Juncus capitatus* Weigel



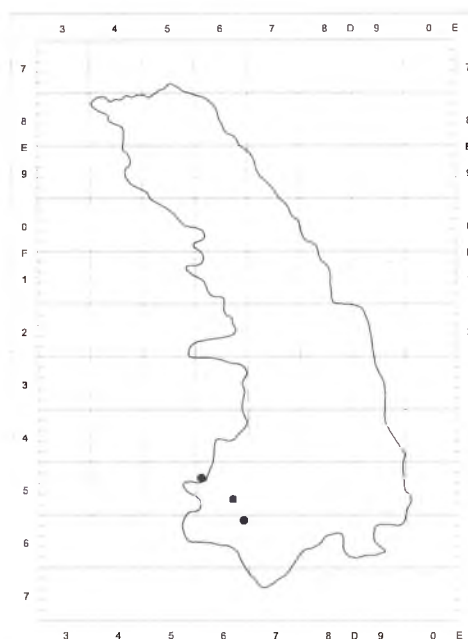
712. *Juncus compressus* Jacq.



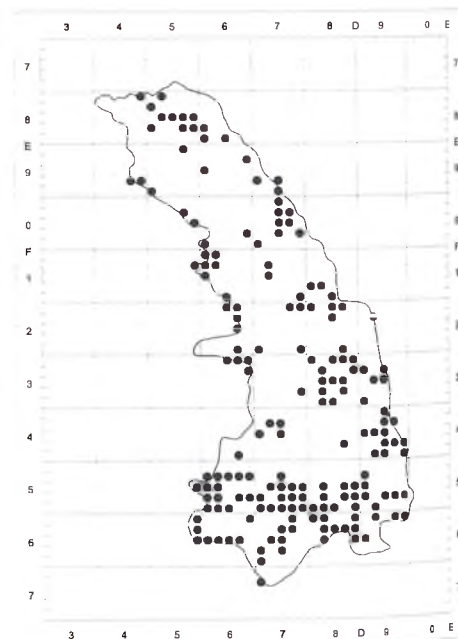
713. *Juncus conglomeratus* L. emend.
Leers



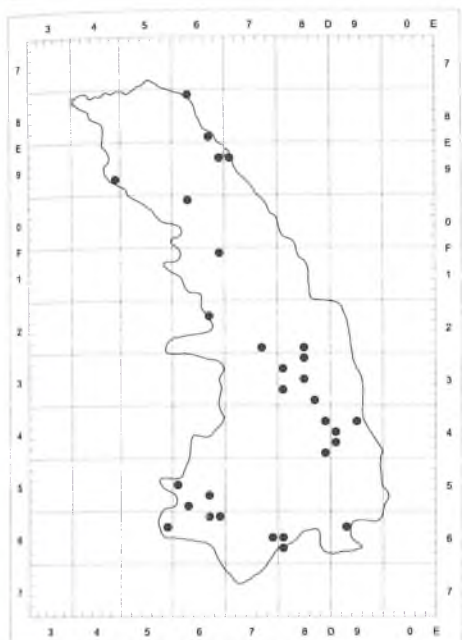
714. *Juncus effusus* L.



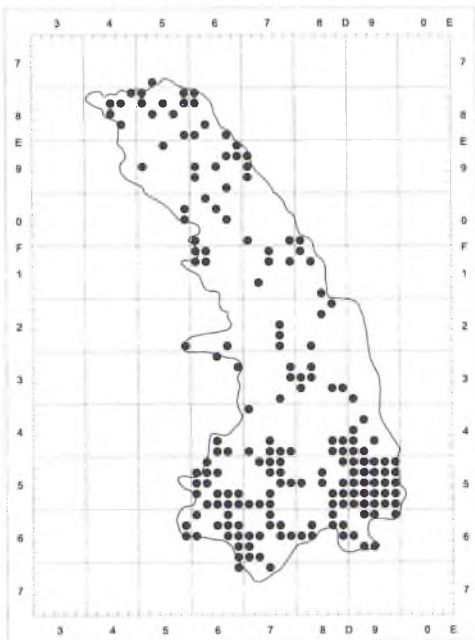
715. *Juncus filiformis* L.



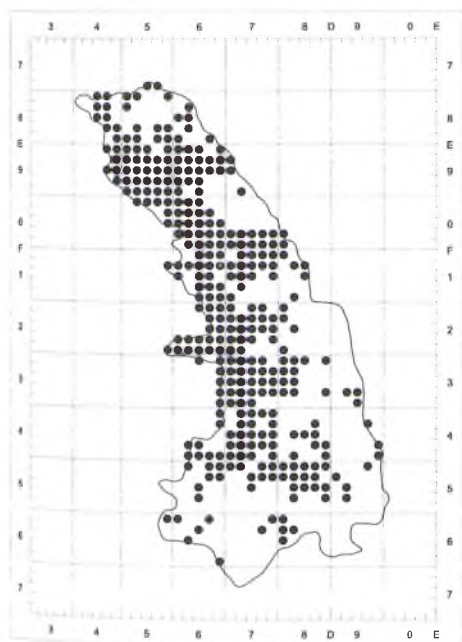
716. *Juncus inflexus* L.



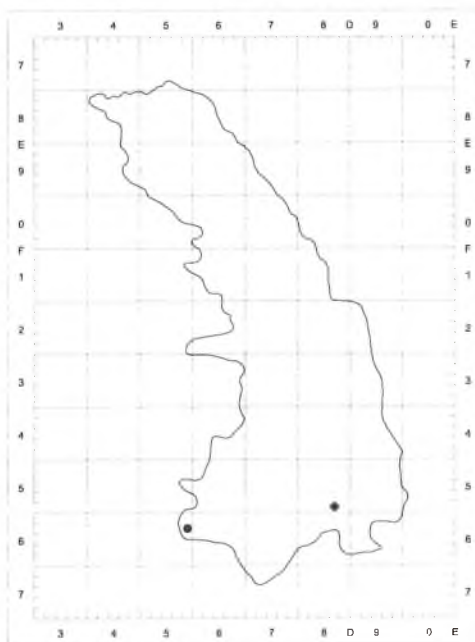
717. *Juncus squarrosus* L.



718. ** *Juncus tenuis* Willd.



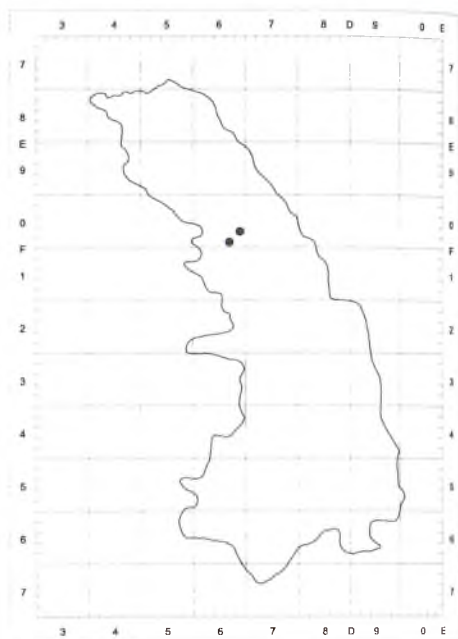
719. *Juniperus communis* L.



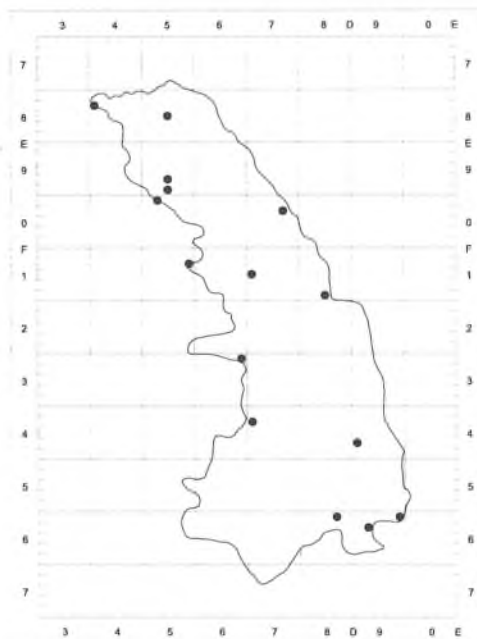
720. + * *Kickxia elatine* (L.) Dumort.



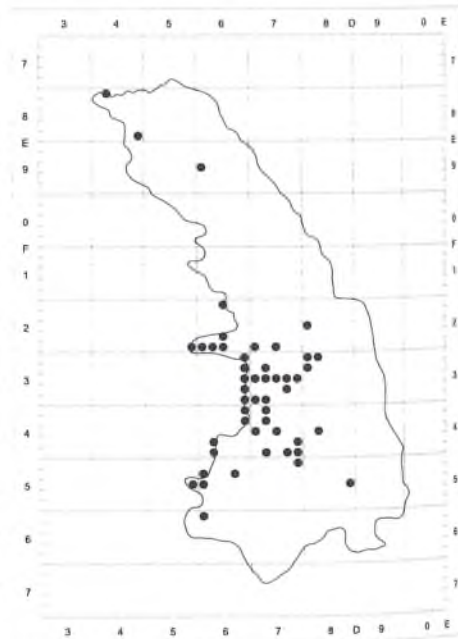
721. *Knautia arvensis* (L.) J. M. Coult.



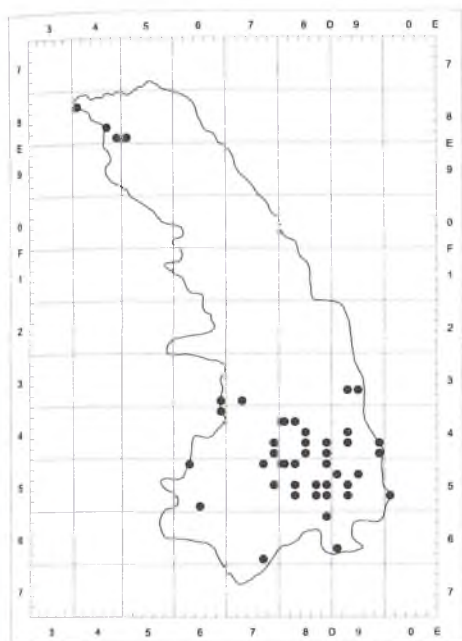
722. *Knautia kitaibelii* (Schult.) Borbás



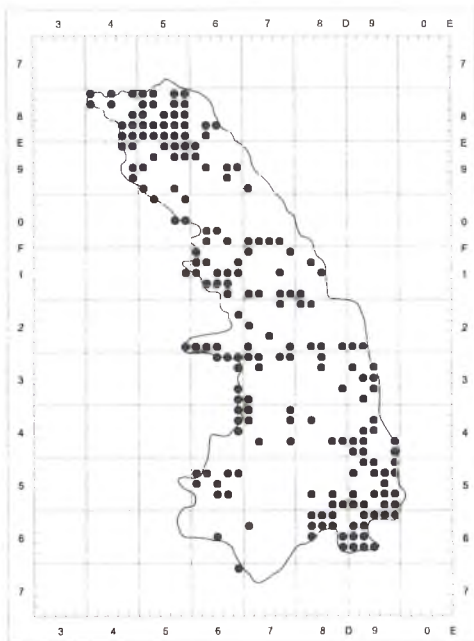
723. ** *Kochia scoparia* (L.) Schrad.



724. *Koeleria glauca* (Spreng.) DC.



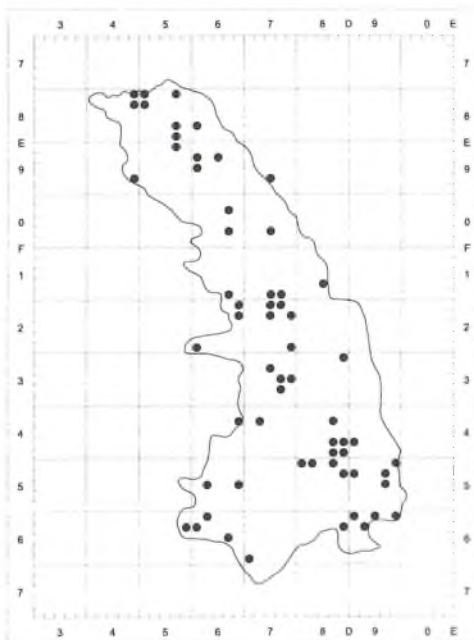
725. *Koeleria macrantha* (Ledeb.)
Schult.



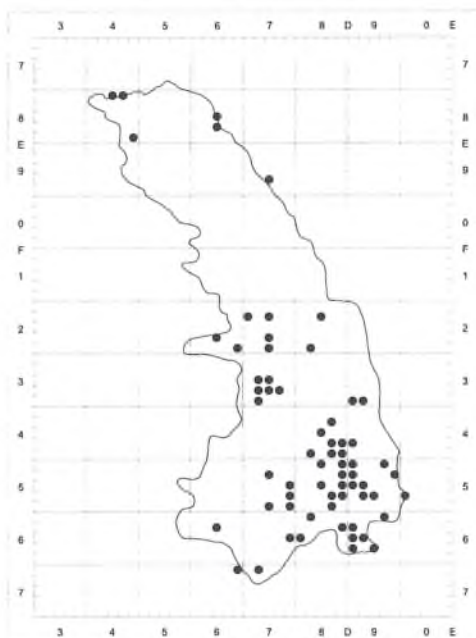
726. * *Lactuca serriola* L.



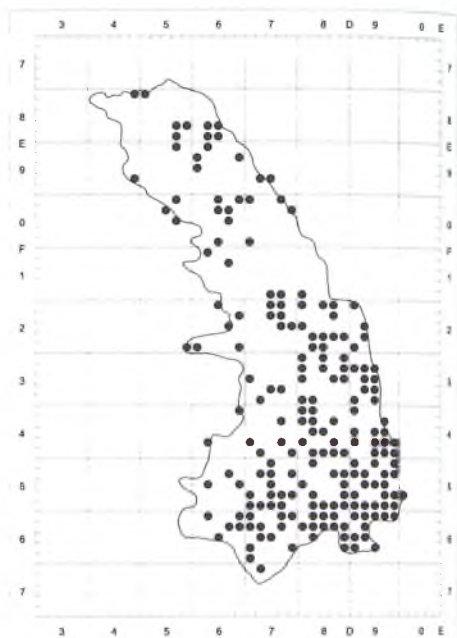
727. * *Lamium album* L.



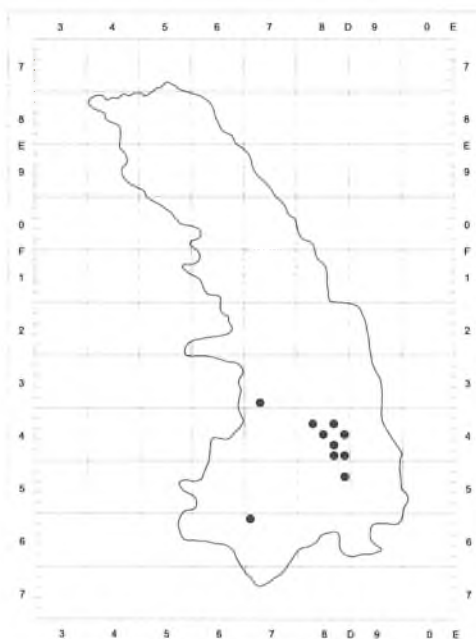
728. * *Lamium amplexicaule* L.



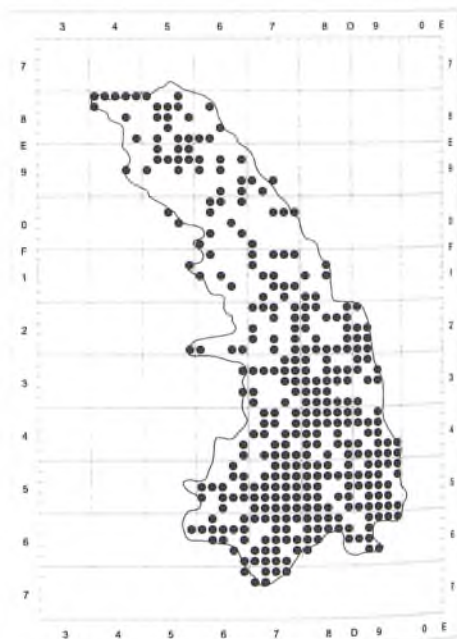
729. *Lamium maculatum* L.



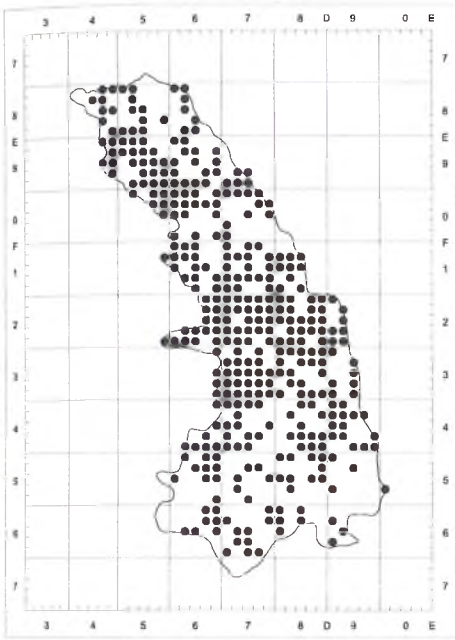
730. * *Lamium purpureum* L.



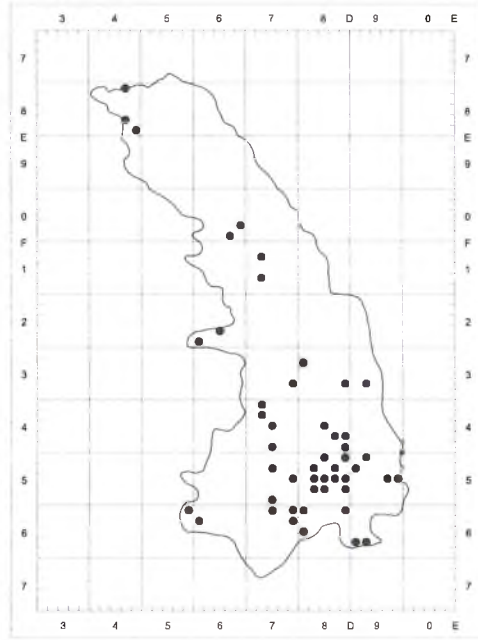
731. *Lappula squarrosa* (Retz.) Dumort.



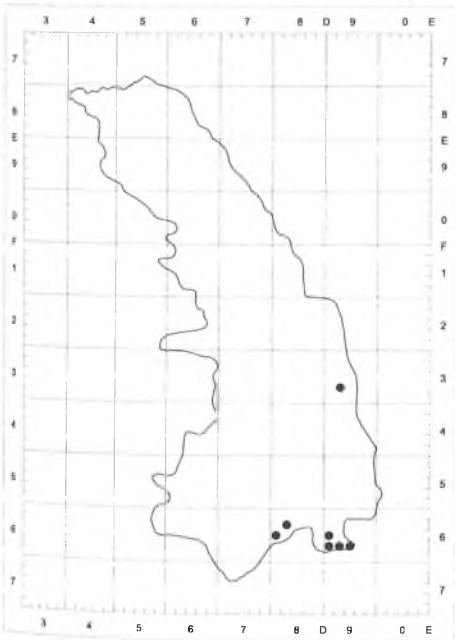
732. *Lapsana communis* L. s. str.



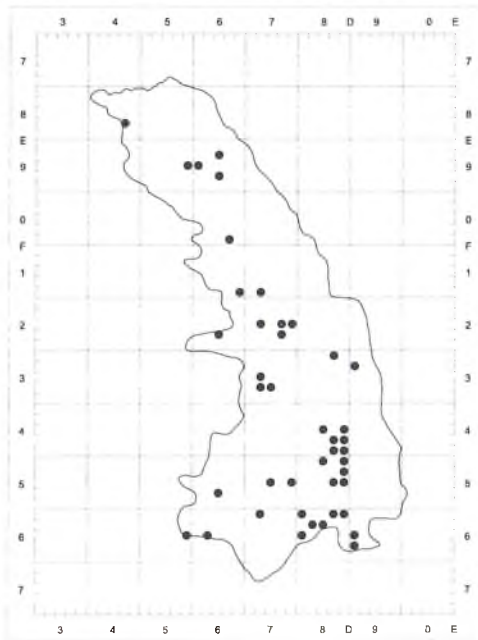
733. *Larix decidua* Mill.



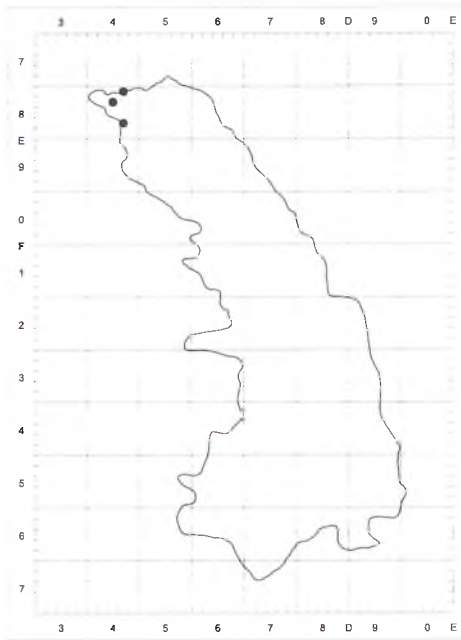
734. *Laserpitium latifolium* L.



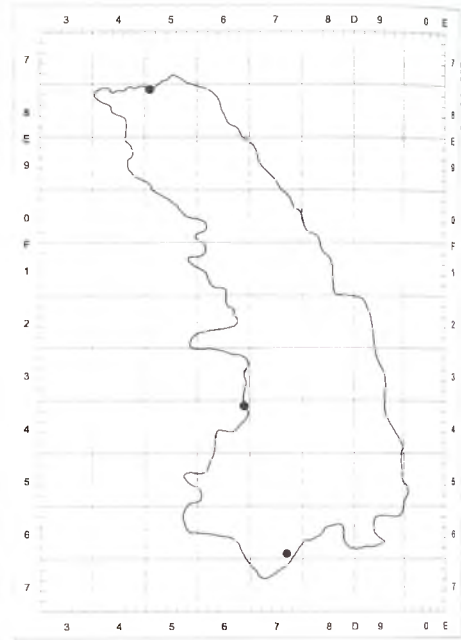
735. *Laserpitium prutenicum* L.



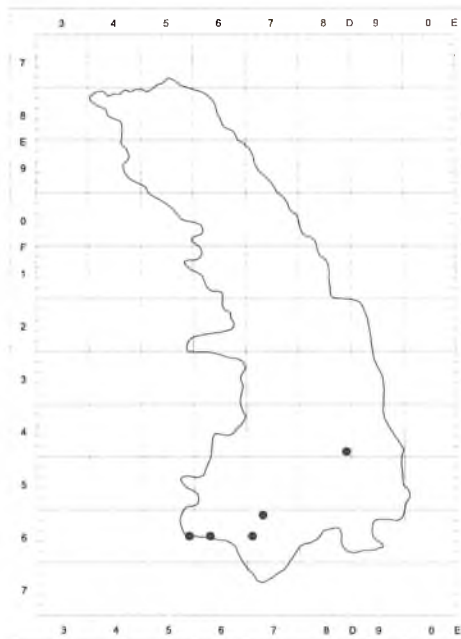
736. *Lathraea squamaria* L.



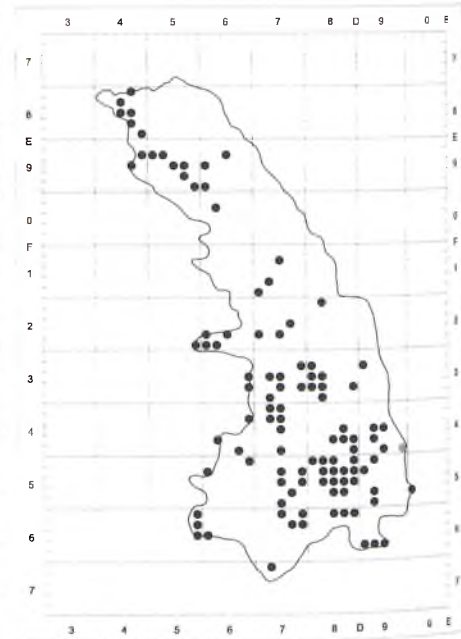
737. *Lathyrus laevigatus*
(Waldst. et Kit.) Gren.



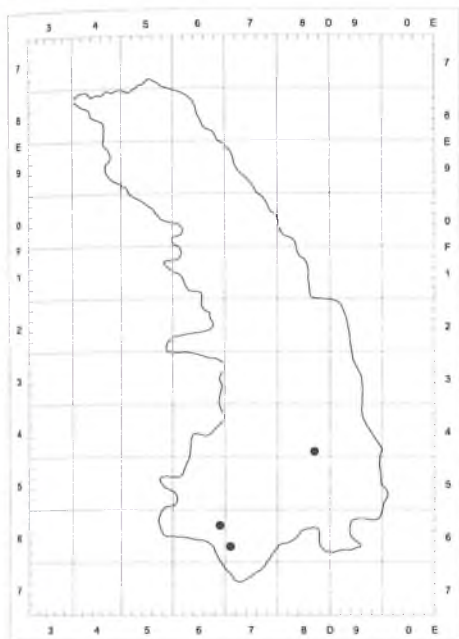
738. Δ *Lathyrus latifolius* L.



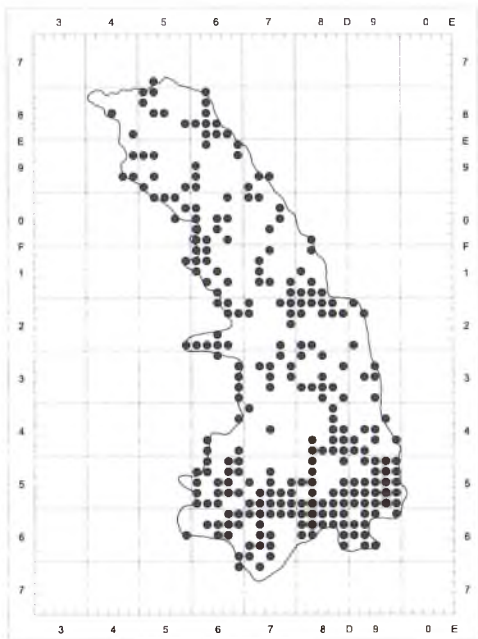
739. + *Lathyrus montanus* Bernh.



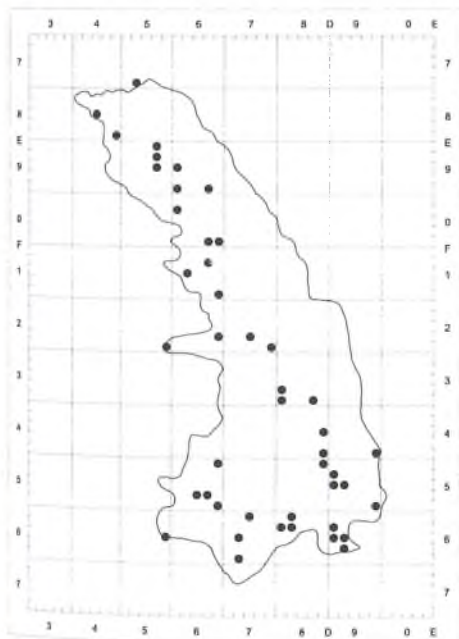
740. *Lathyrus niger* (L.) Bernh.



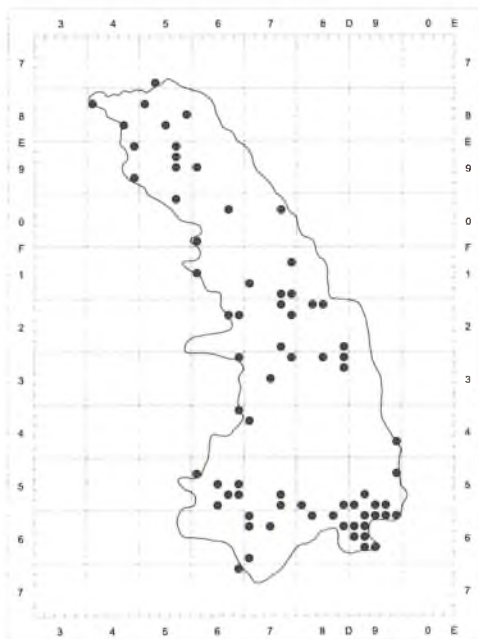
741. + *Lathyrus palustris* L.



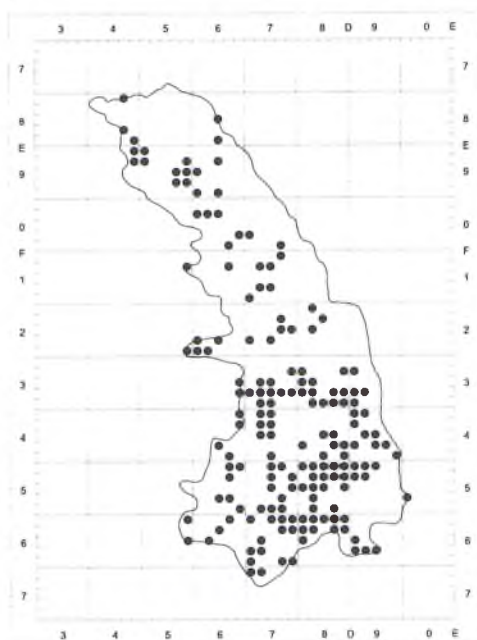
742. *Lathyrus pratensis* L.



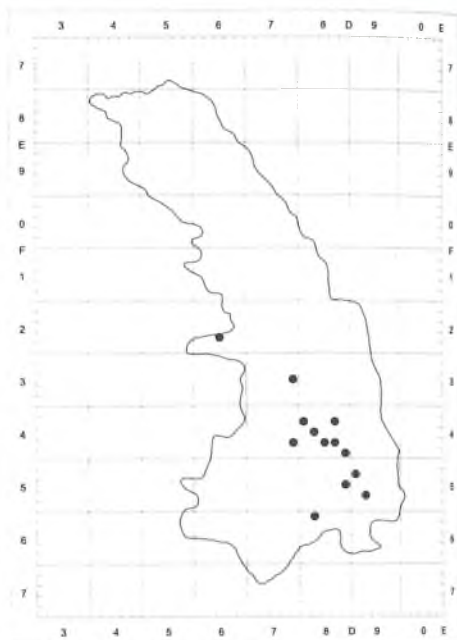
743. *Lathyrus sylvestris* L.



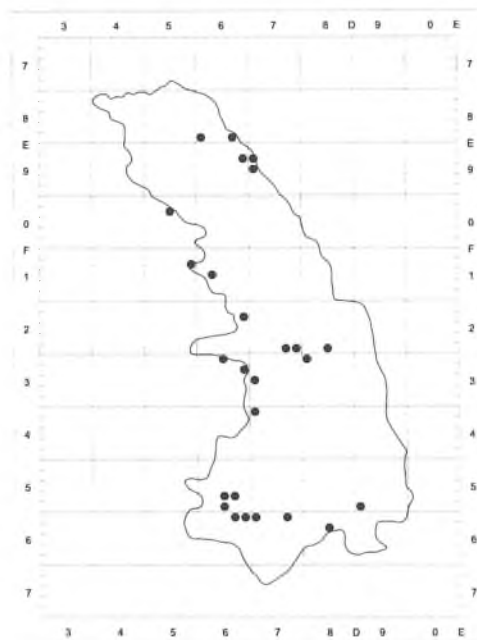
744. * *Lathyrus tuberosus* L.



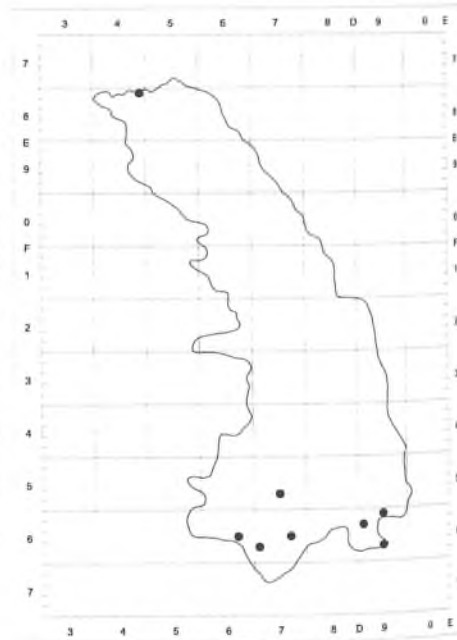
745. *Lathyrus vernus* (L.) Bernh.



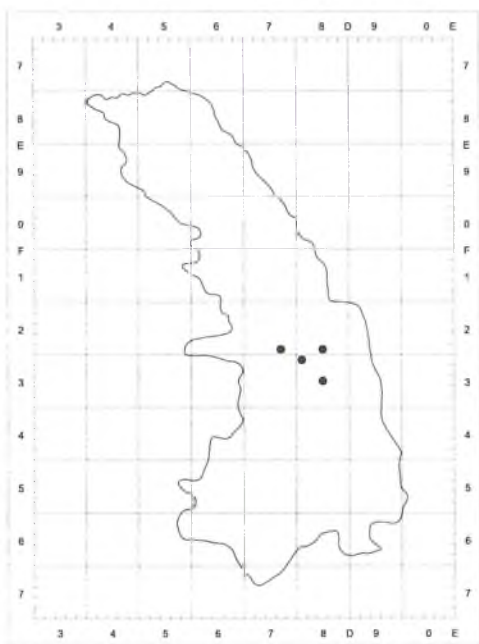
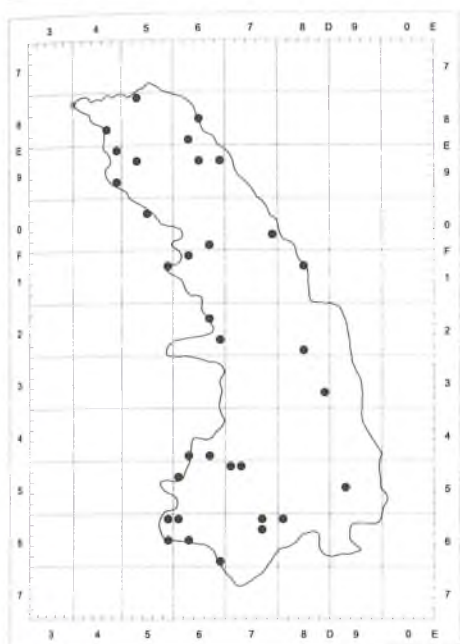
746. *Lavatera thuringiaca* L.



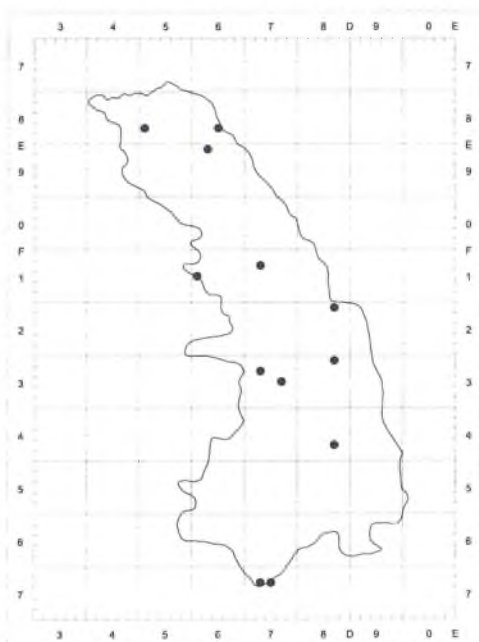
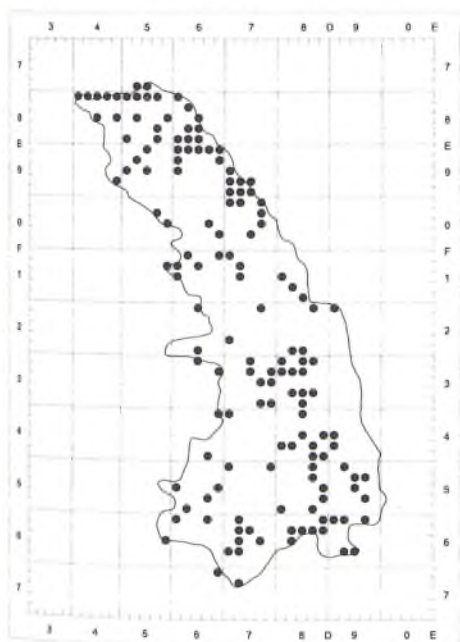
747. *Ledum palustre* L.



748. *Leersia oryzoides* (L.) Sw.

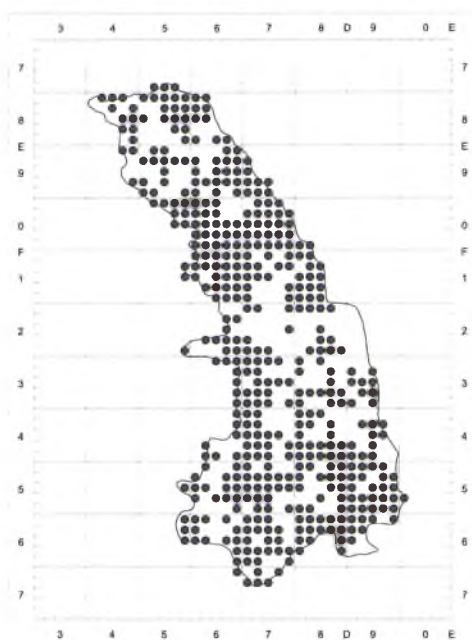


749. *Lembotropis nigricans* (L.) Griseb. 750. *Lemna gibba* L.



751. *Lemna minor* L.

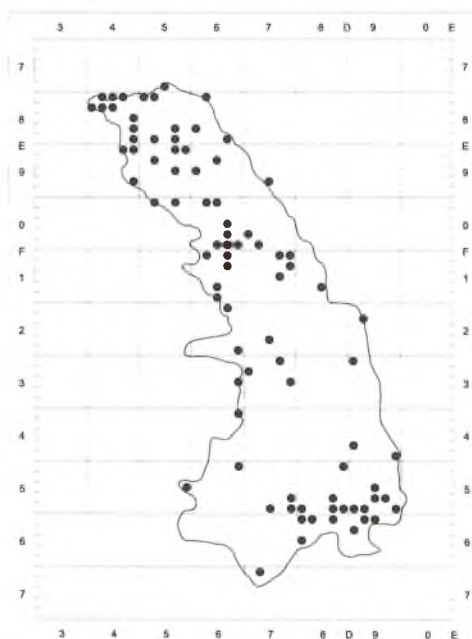
752. *Lemna trisulca* L.



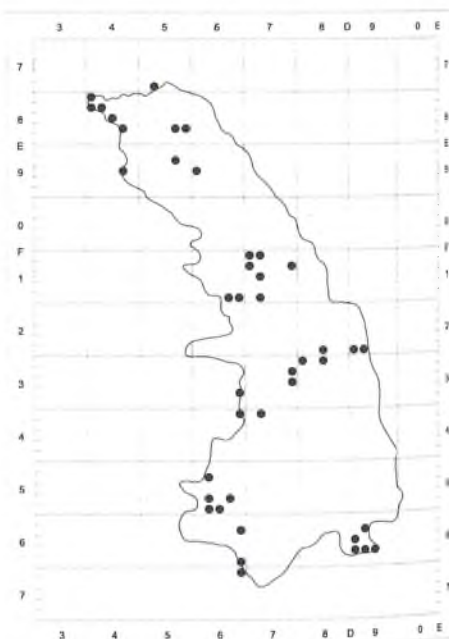
753. *Leontodon autumnalis* L.



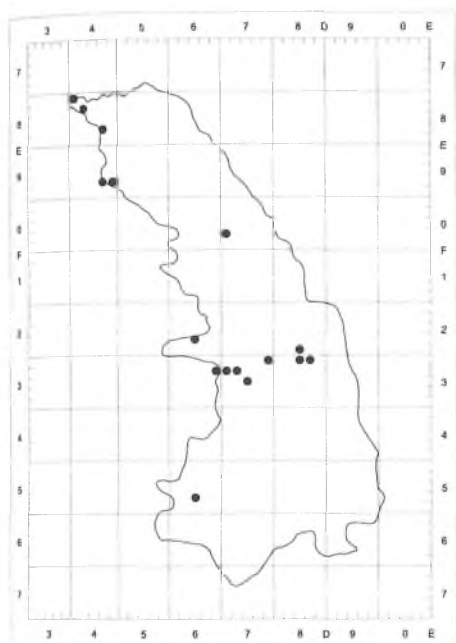
754. *Leontodon hispidus* L.



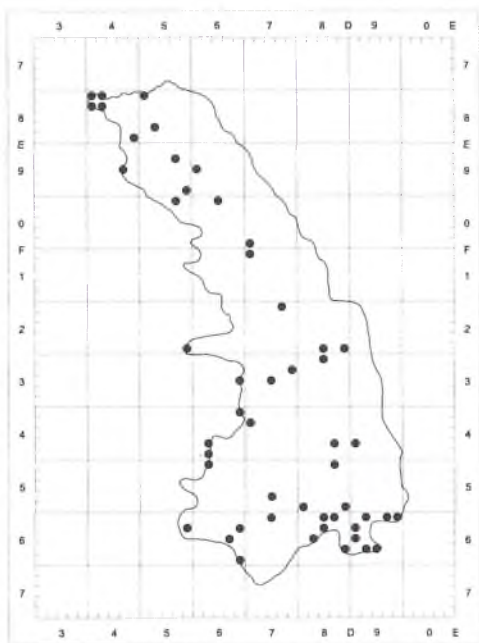
755. * *Leonurus cardiaca* L.



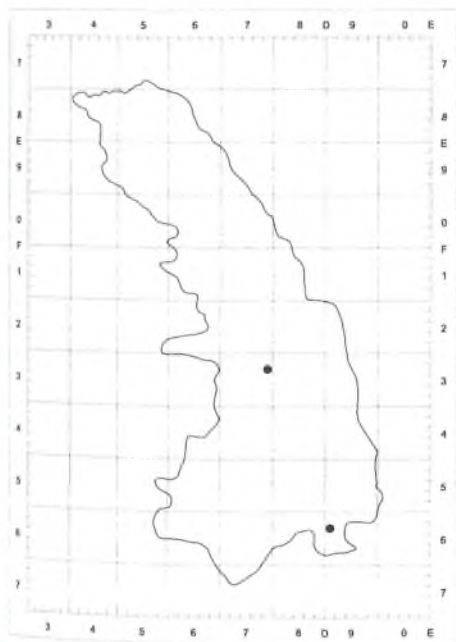
756. * *Lepidium campestre* (L.) R. Br.



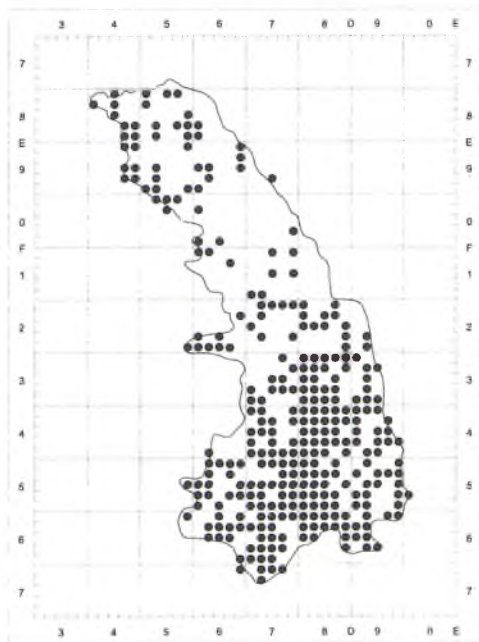
757. ** *Lepidium densiflorum* Schrad.



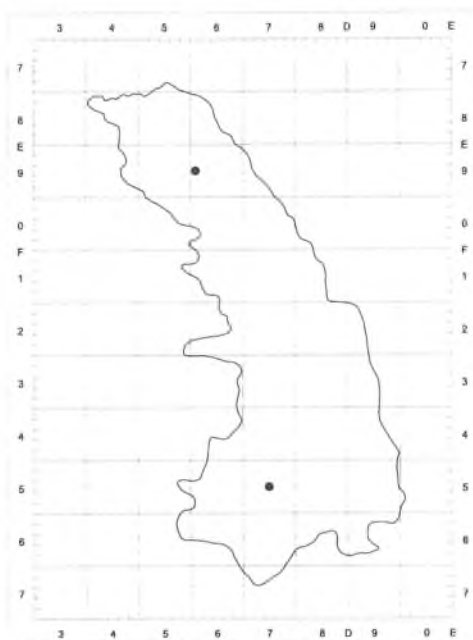
758. * *Lepidium ruderales* L.



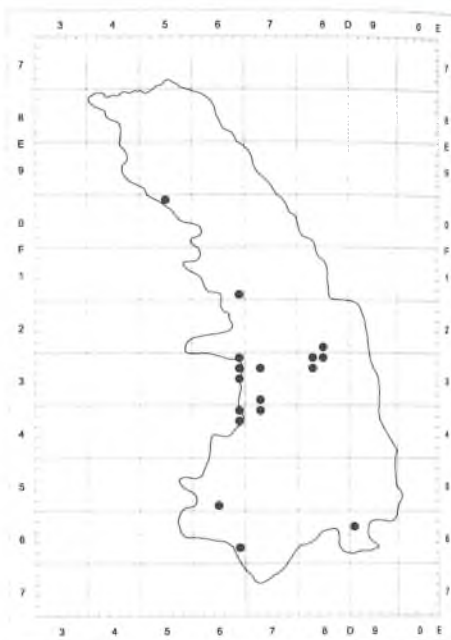
759. ** *Lepidium virginicum* L.



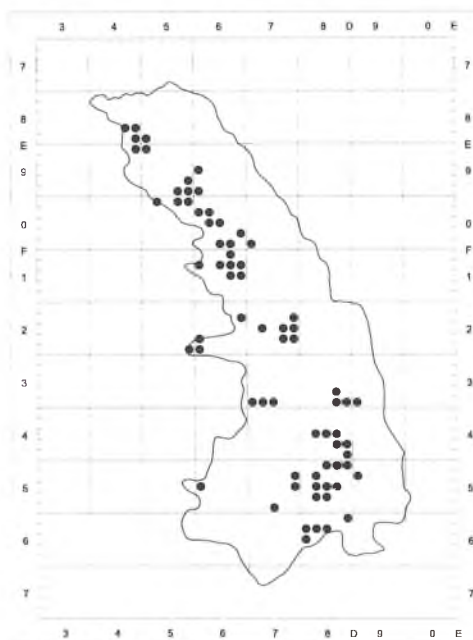
760. *Leucanthemum vulgare* Lam. s. str.



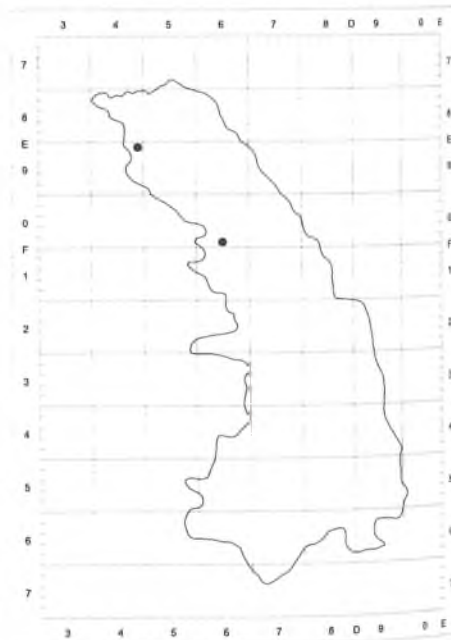
761. Δ *Leucoium vernum* L.



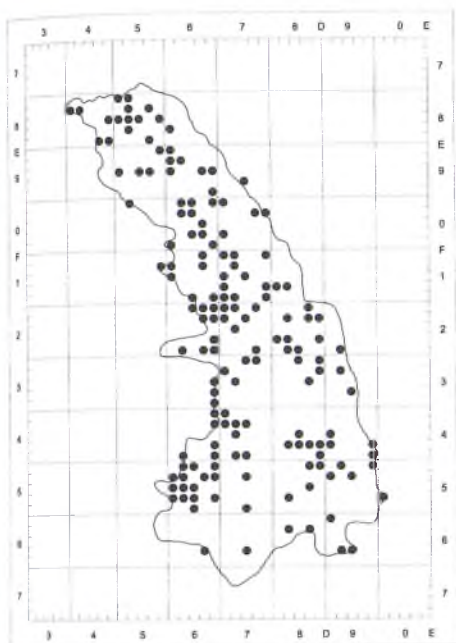
762. Δ *Leymus arenarius* (L.) Hochst.



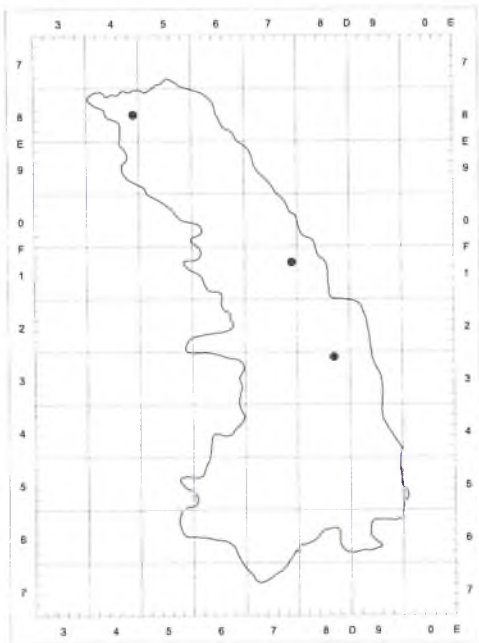
763. *Libanotis pyrenaica* (L.) Bourg.



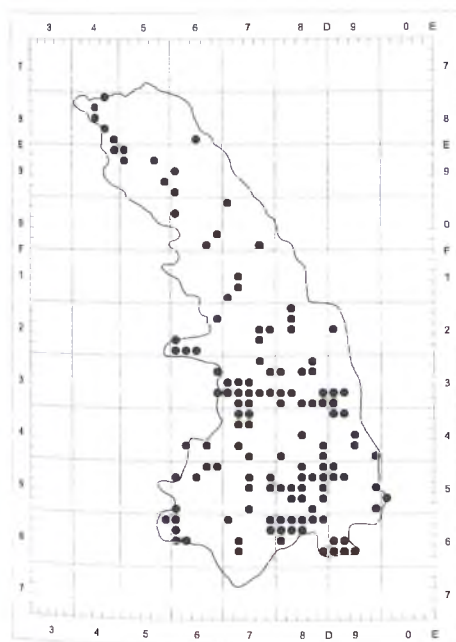
764. *Libanotis sibirica* (L.) Cass.



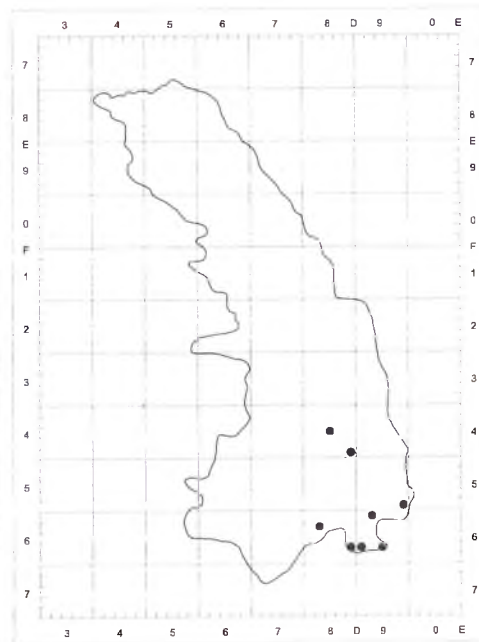
765. [*] *Ligustrum vulgare* L.



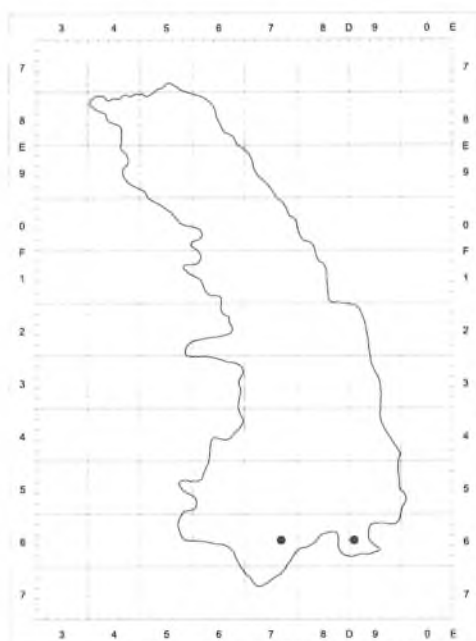
766. Δ *Lilium bulbiferum* L.



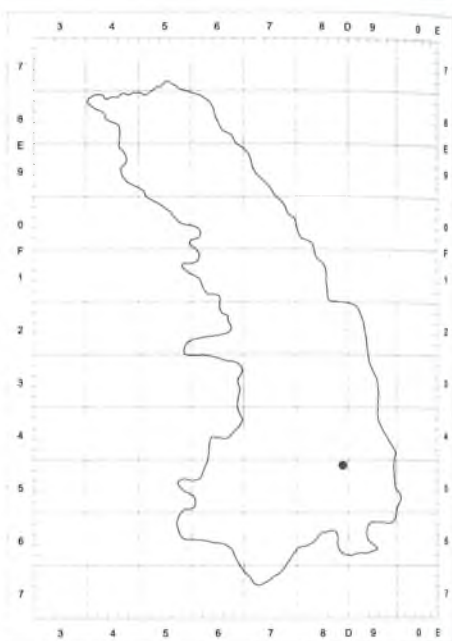
767. *Lilium martagon* L.



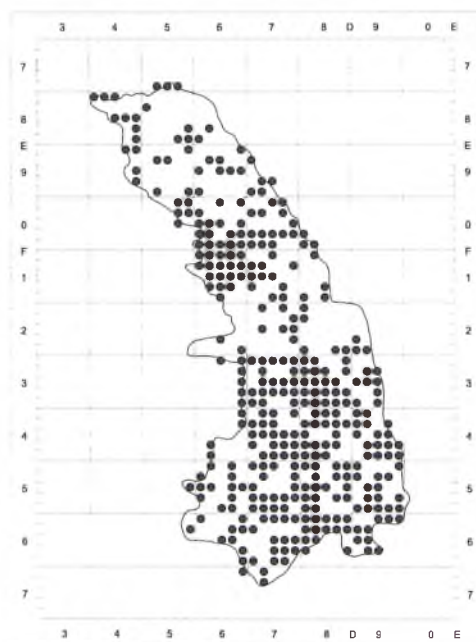
768. *Limosella aquatica* L.



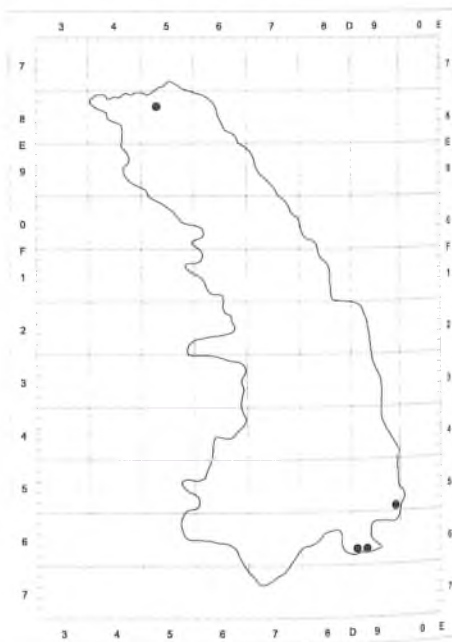
769. + * *Linaria arvensis* (L.) Desf.



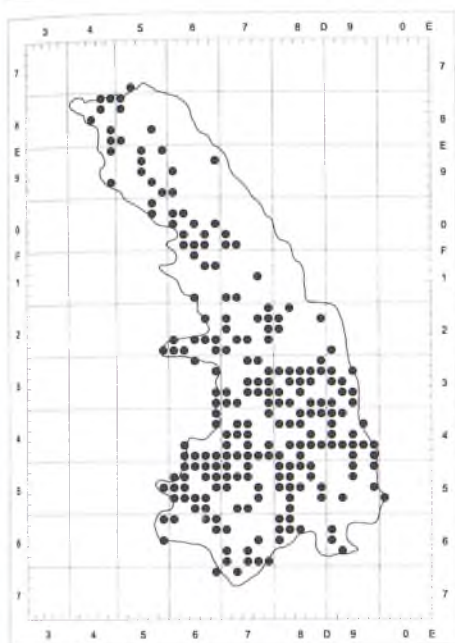
770. + [*] *Linaria genistifolia* (L.) Mill.



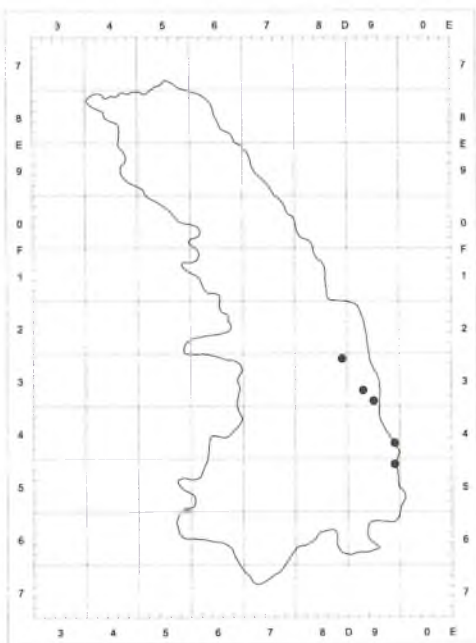
771. *Linaria vulgaris* (L.) Mill.



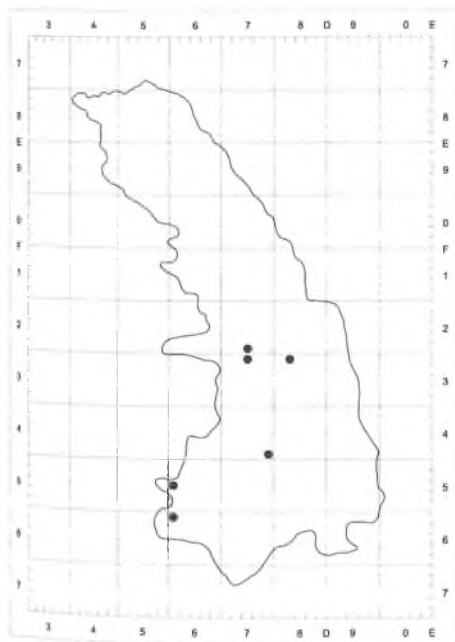
772. + *Linosyris vulgaris* Cass.



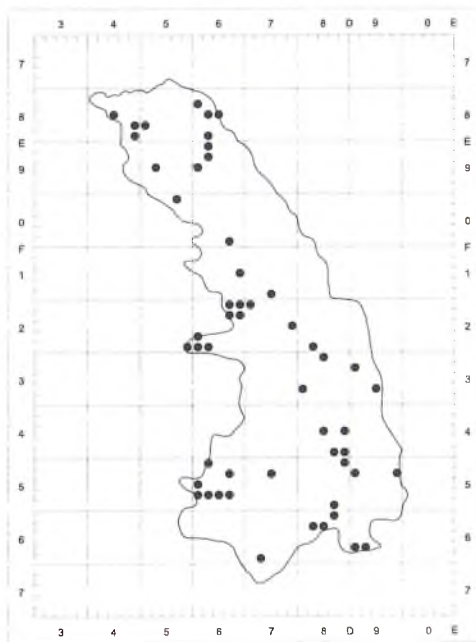
773. *Linum catharticum* L.



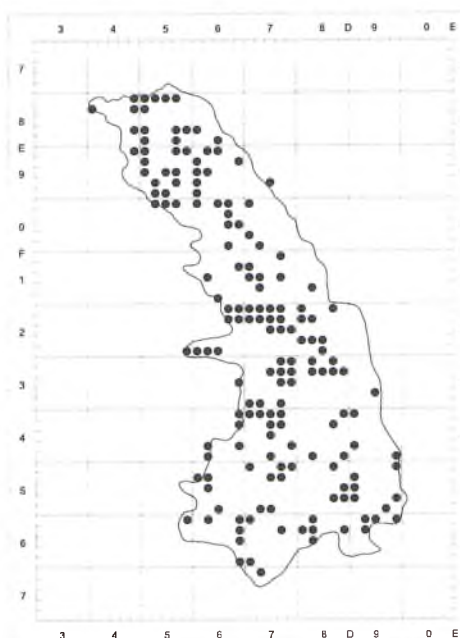
774. *Linum flavum* L.



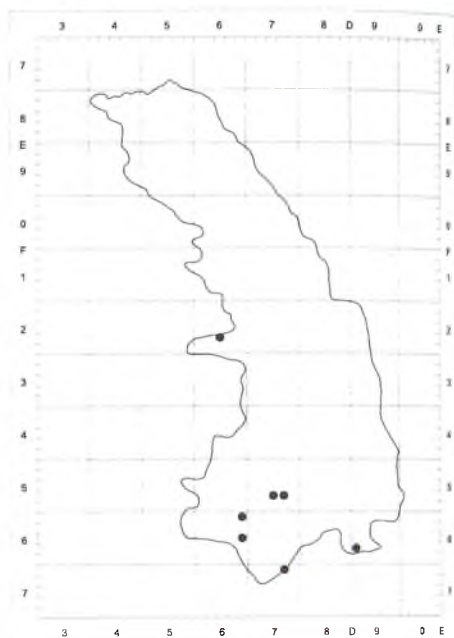
775. *Liparis loeselii* (L.) Rich.



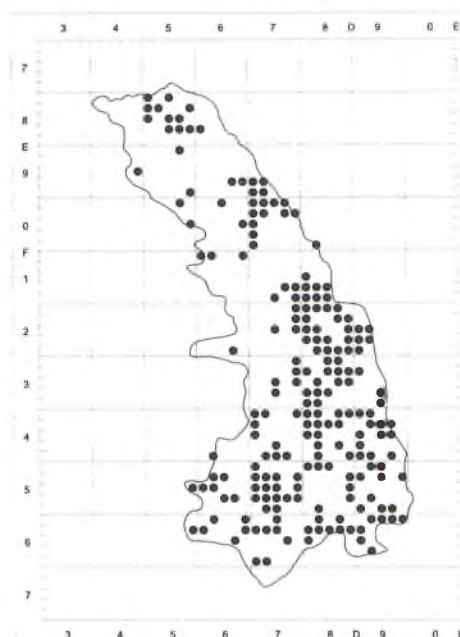
776. *Listera ovata* (L.) R. Br.



777. * *Lithospermum arvense* L.



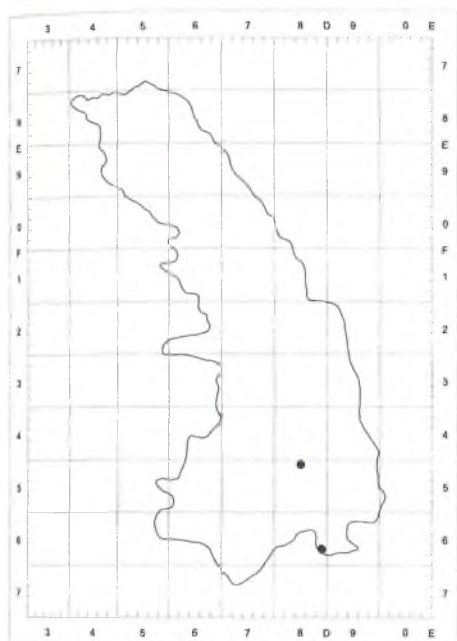
778. *Lithospermum officinale* L.



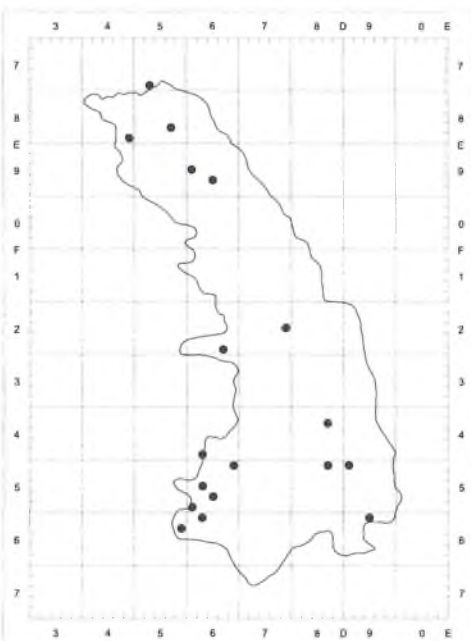
779. ** *Lolium multiflorum* Lam.



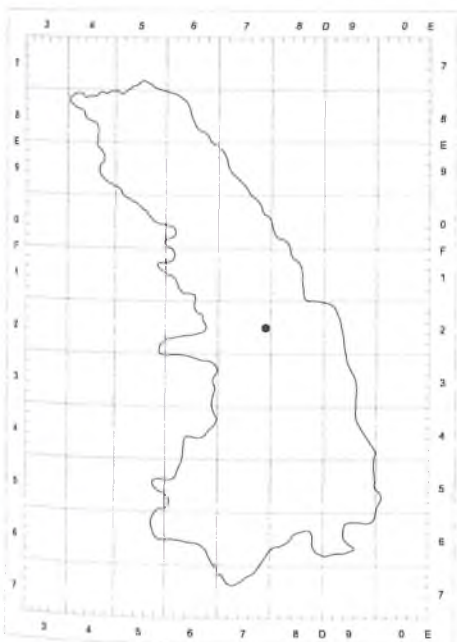
780. *Lolium perenne* L.



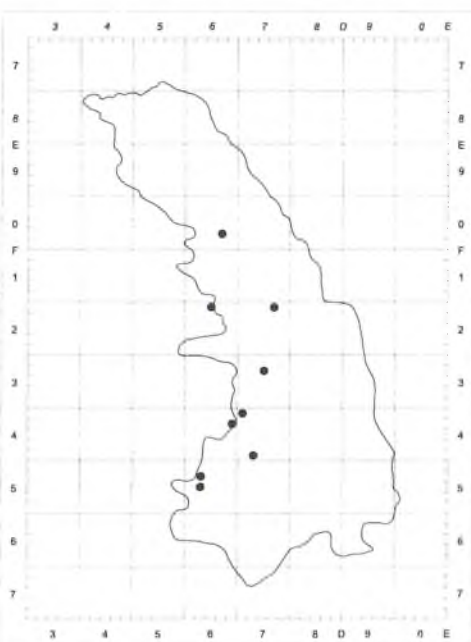
781. + * *Lolium remotum* Schrank



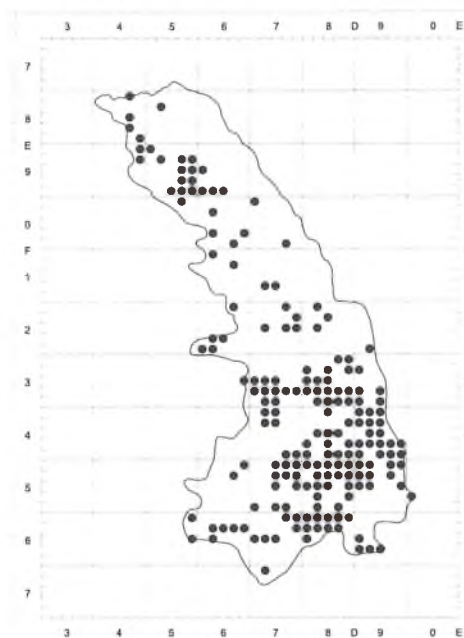
782. * *Lolium temulentum* L.



783. ** *Lonicera caprifolium* L.



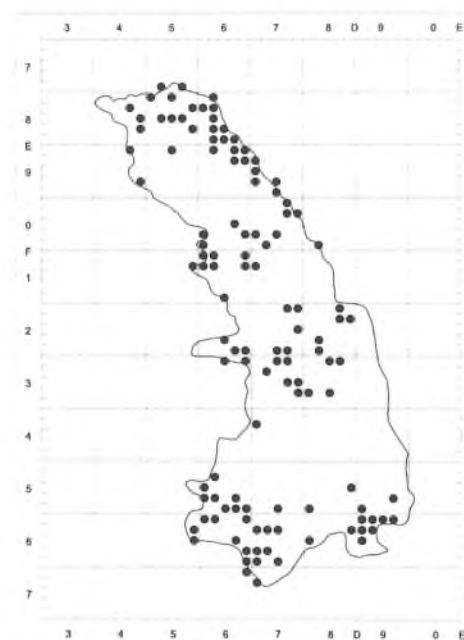
784. ** *Lonicera tatarica* L.



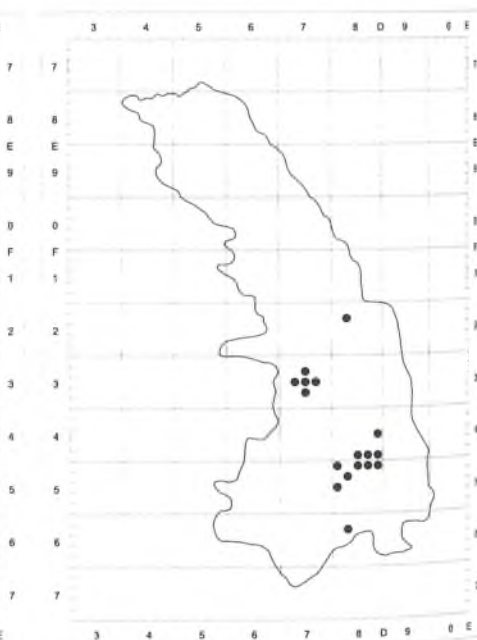
785. *Lonicera xylosteum* L.



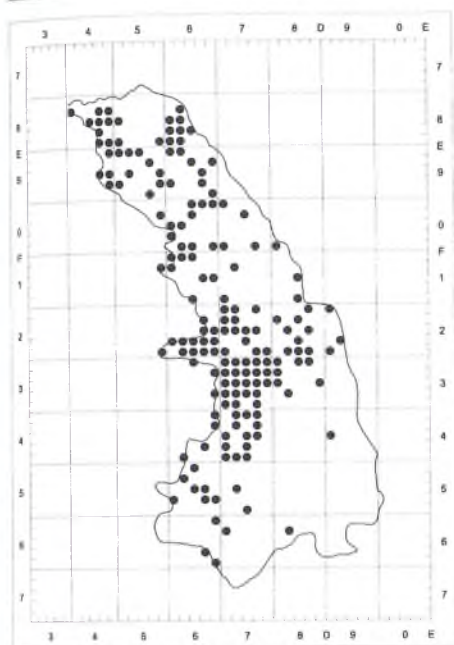
786. *Lotus corniculatus* L.



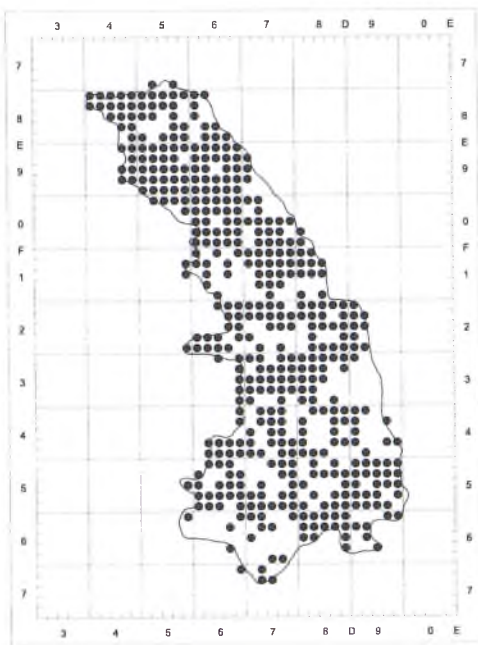
787. *Lotus uliginosus* Schkuhr



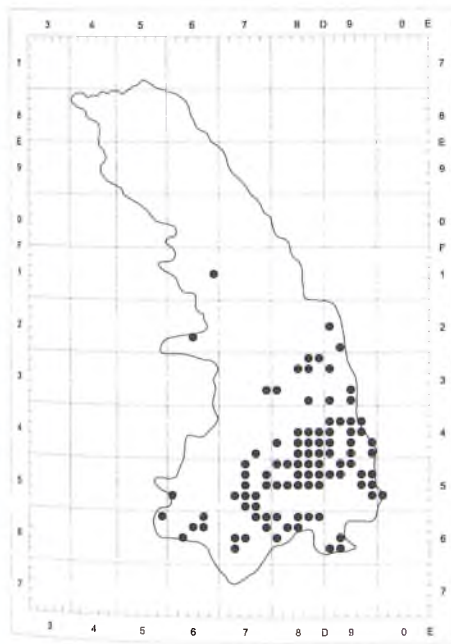
788. *Lunaria rediviva* L.



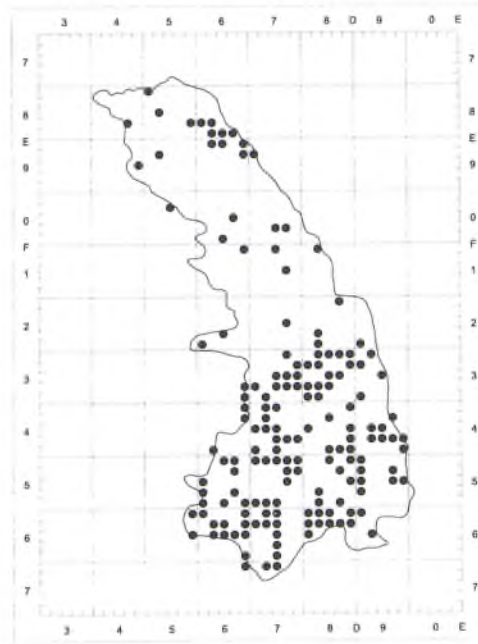
789. ** *Lupinus polyphyllus* Lindl.



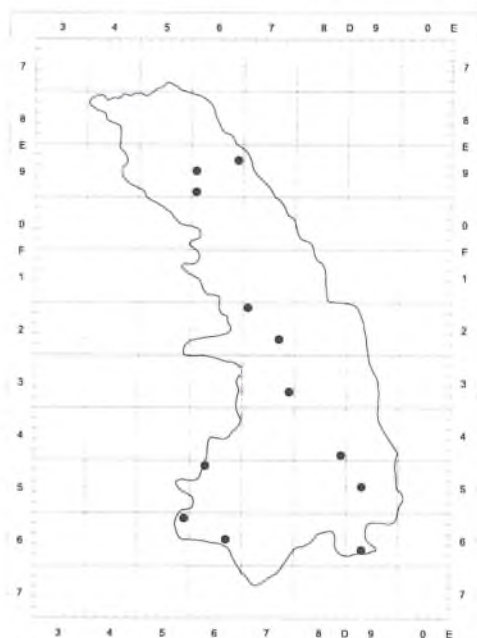
790. *Luzula campestris* (L.) DC.



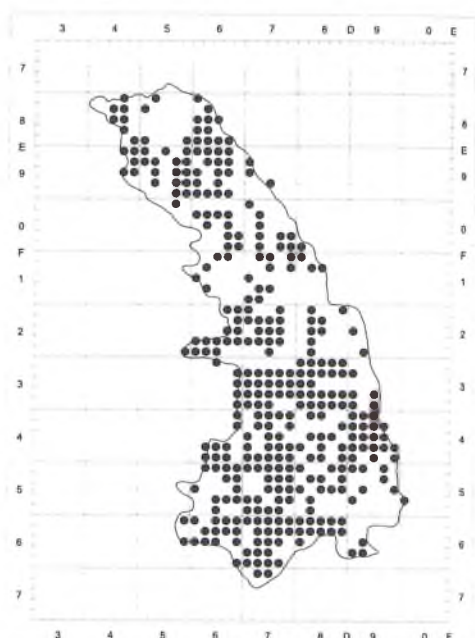
791. *Luzula luzuloides* (Lam.)
Dandy & Wilmott



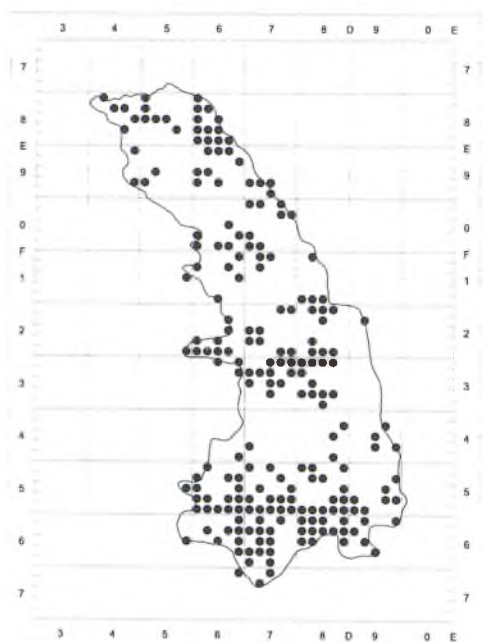
792. *Luzula multiflora* (Retz.) Lej.



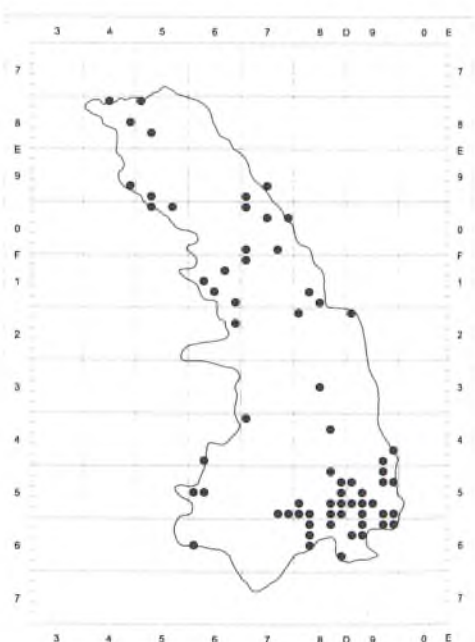
793. *Luzula pallescens* Sw.



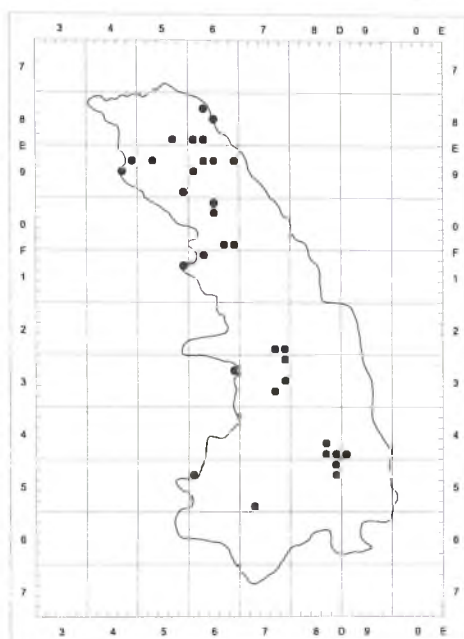
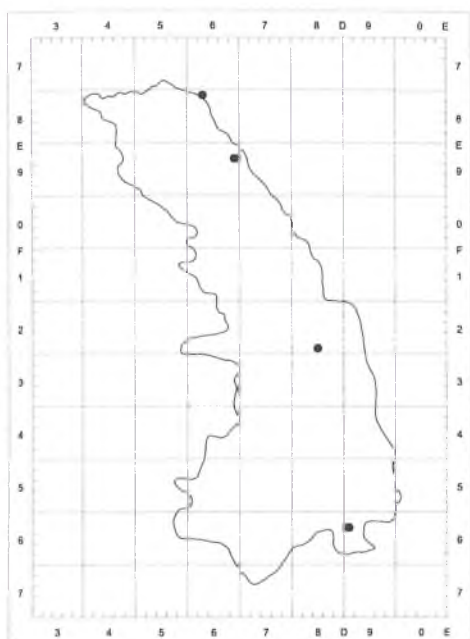
794. *Luzula pilosa* (L.) Willd.



795. *Lychnis flos-cuculi* L.

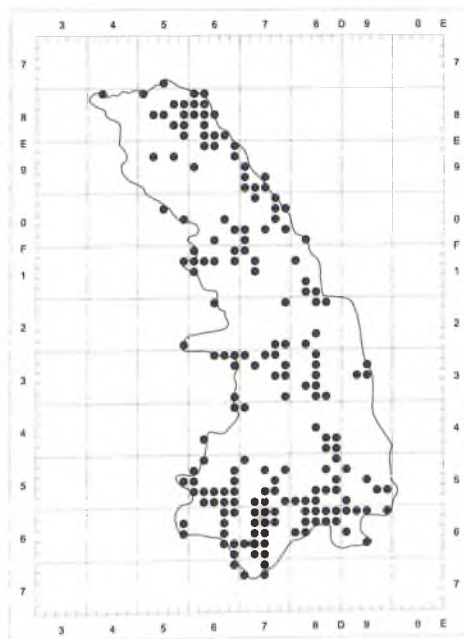
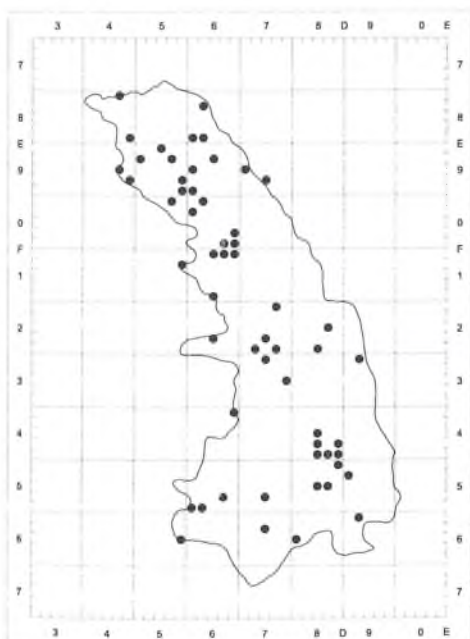


796. ** *Lycium barbarum* L.



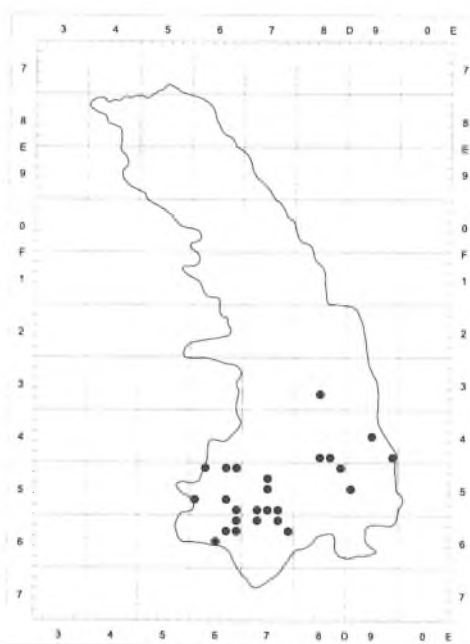
797. *Lycopodiella inundata* (L.) Holub

798. *Lycopodium annotinum* L.

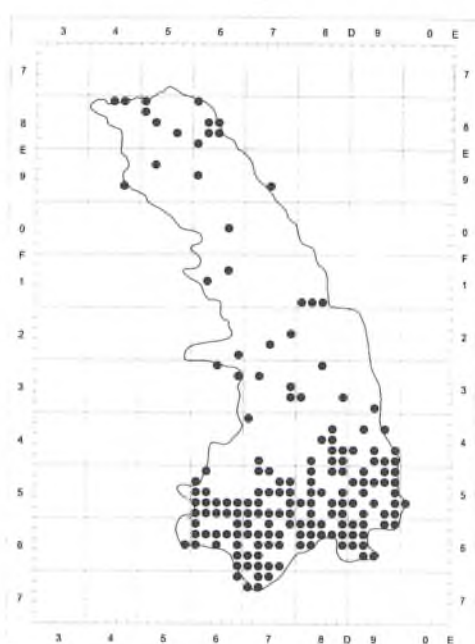


799. *Lycopodium clavatum* L.

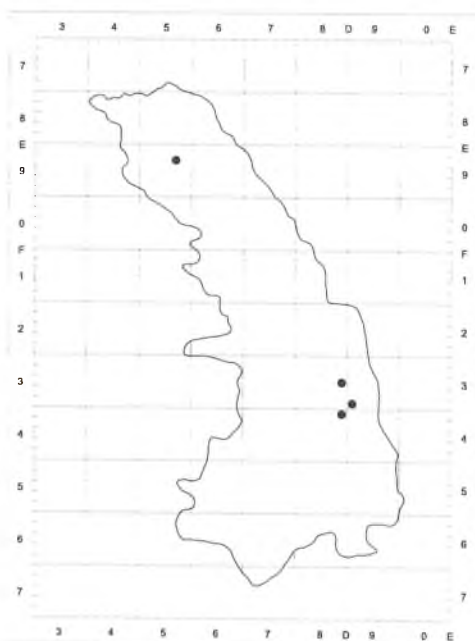
800. *Lycopodium europaeus* L.



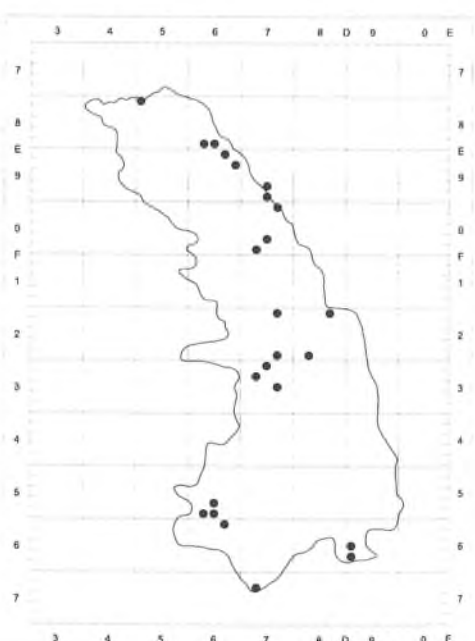
801. *Lysimachia nemorum* L.



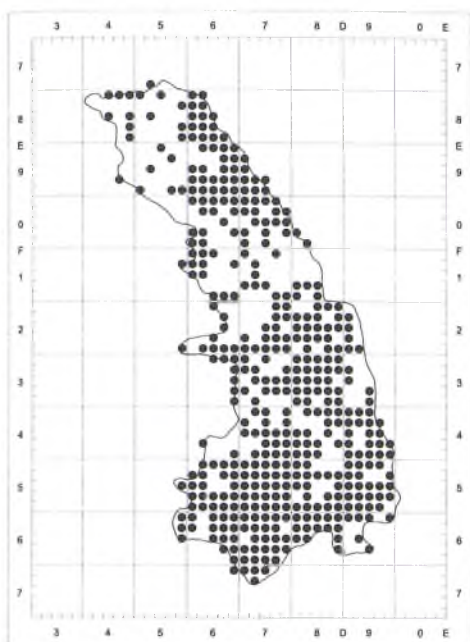
802. *Lysimachia nummularia* L.



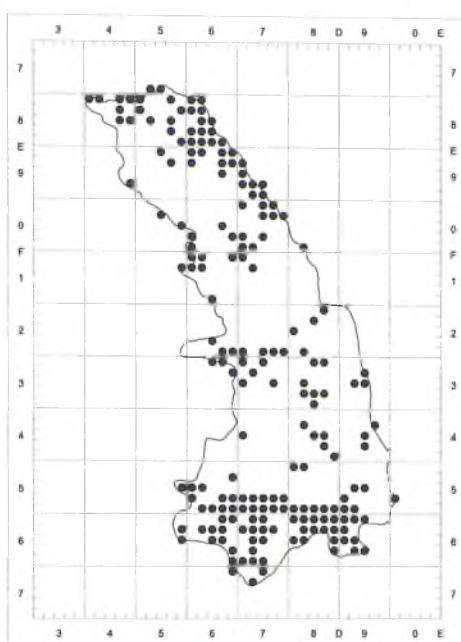
803. ** *Lysimachia punctata* L.



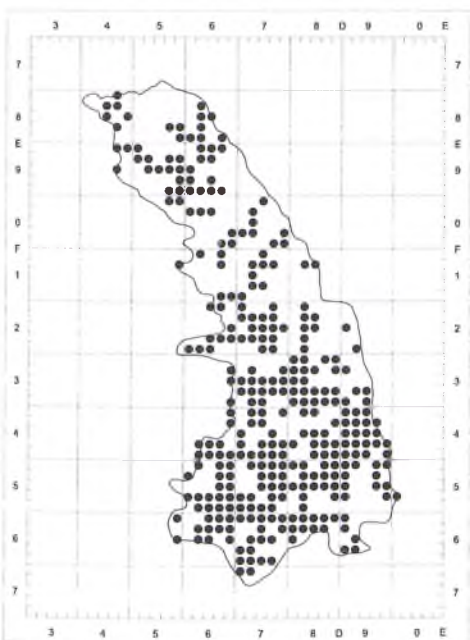
804. *Lysimachia thyrsiflora* L.



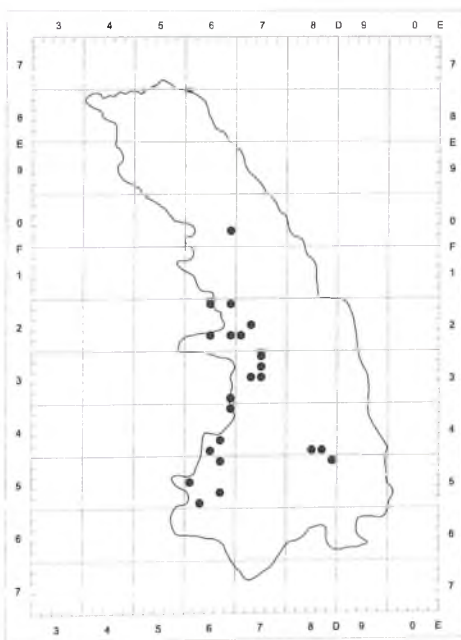
805. *Lysimachia vulgaris* L.



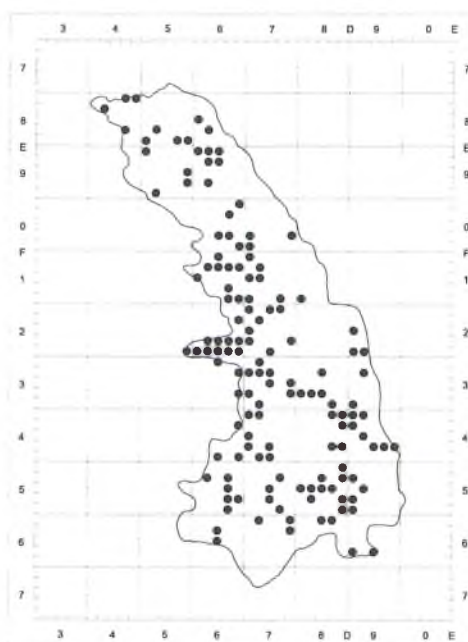
806. *Lythrum salicaria* L.



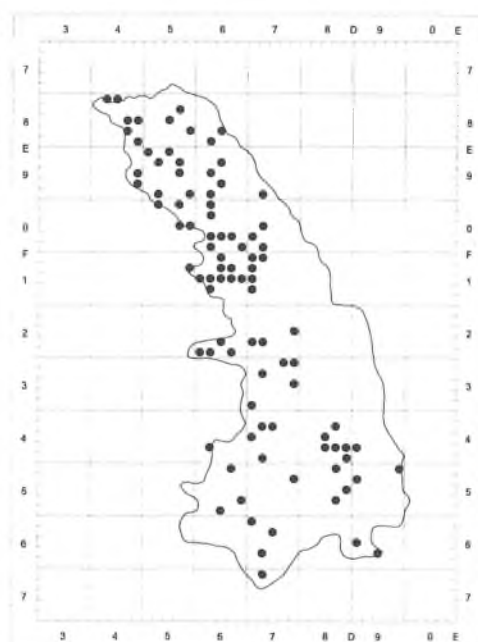
807. *Maianthemum bifolium* (L.)
F. W. Schmidt



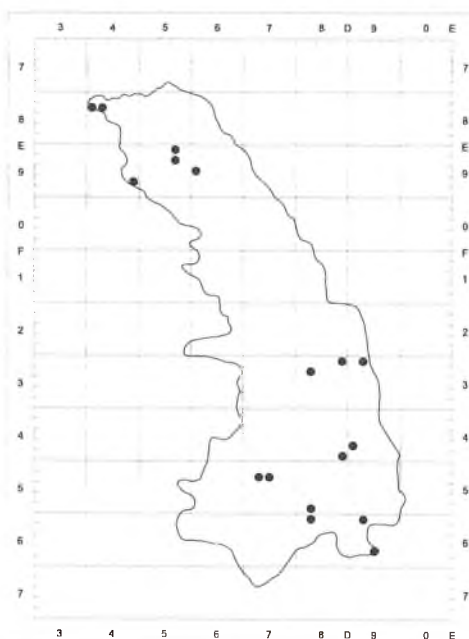
808. *Malaxis monophyllos* (L.) Sw.



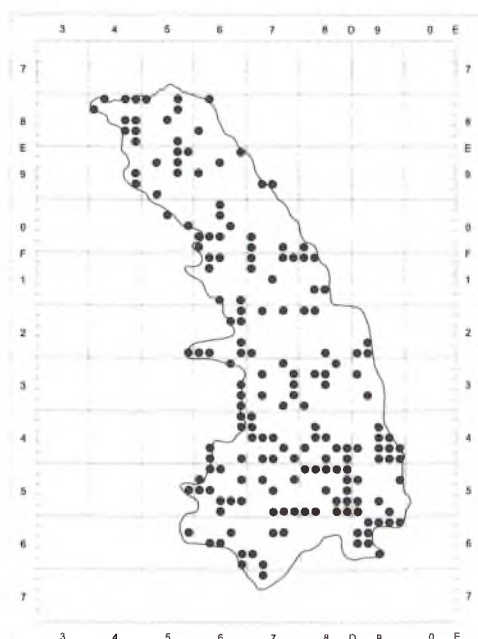
809. *Malus sylvestris* Mill.



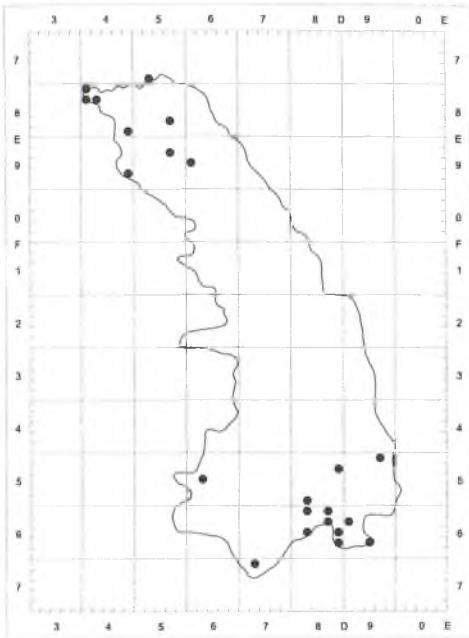
810. * *Malva alcea* L.



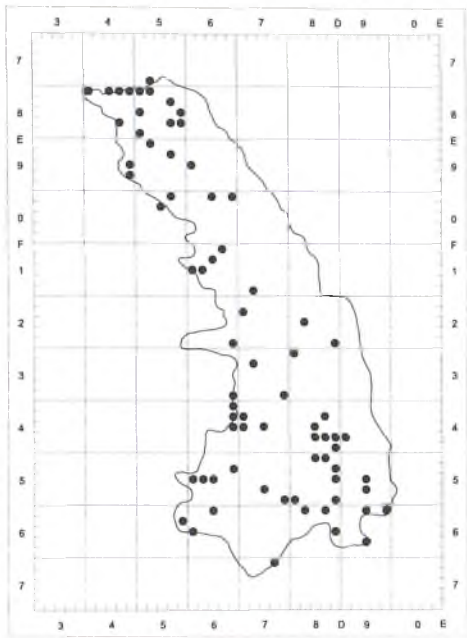
811. * *Malva crispa* L.



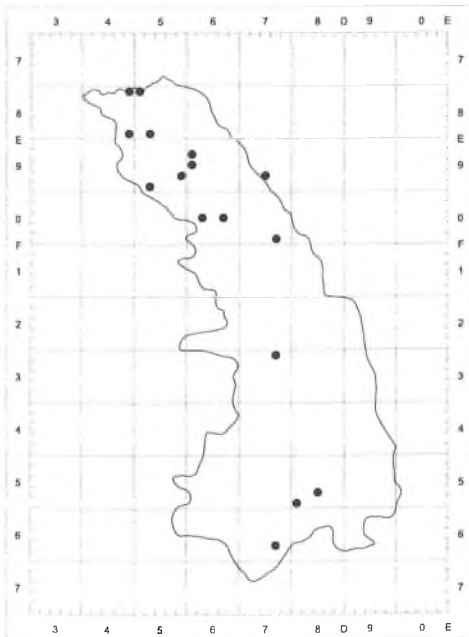
812. * *Malva neglecta* Wallr.



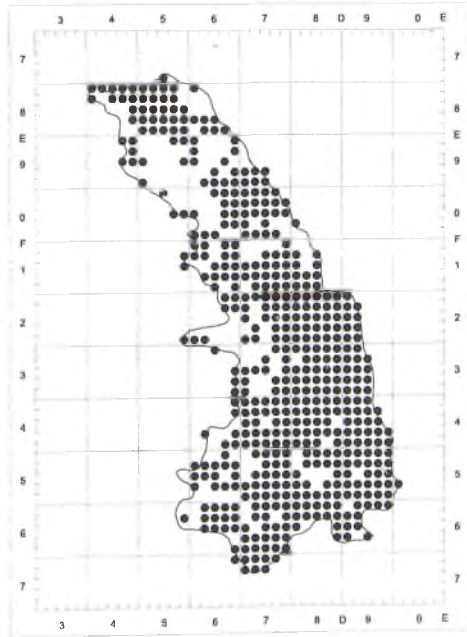
813. * *Malva pusilla* Sm.



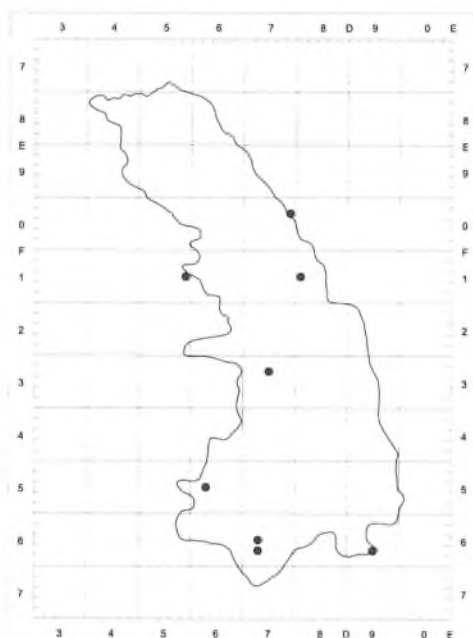
814. * *Malva sylvestris* L.



815. * *Marrubium vulgare* L.



816. * *Matricaria maritima* L.
subsp. *inodora* (L.) Dostál



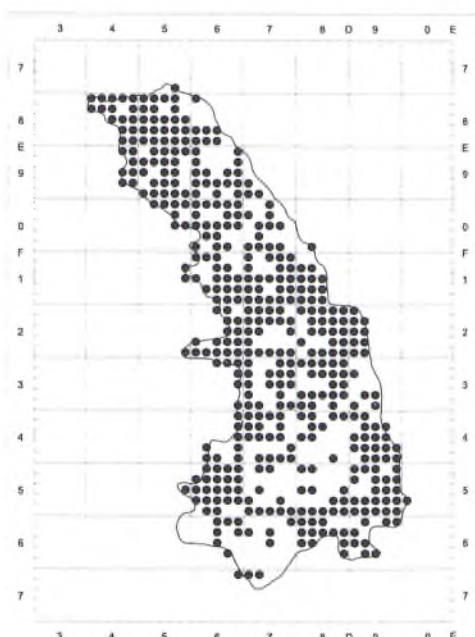
817. *Matteucia struthiopteris* (L.) Tod.



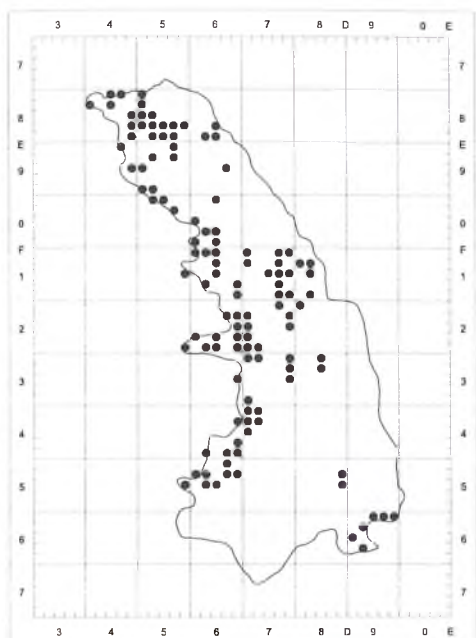
818. *Medicago falcata* L.



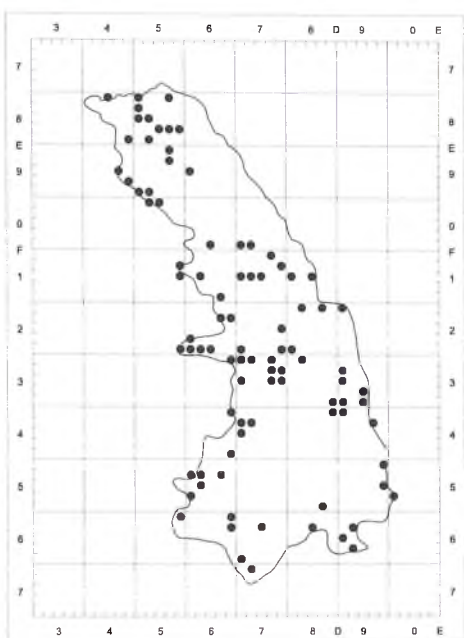
819. *Medicago lupulina* L.



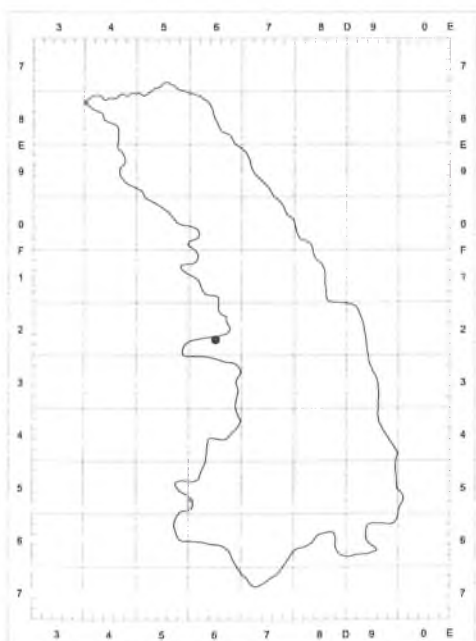
820. ** *Medicago sativa* L. s. str.



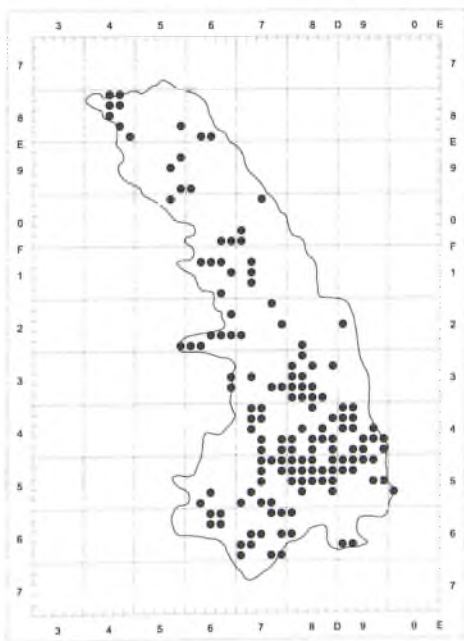
821. ** *Medicago varia* Martyn



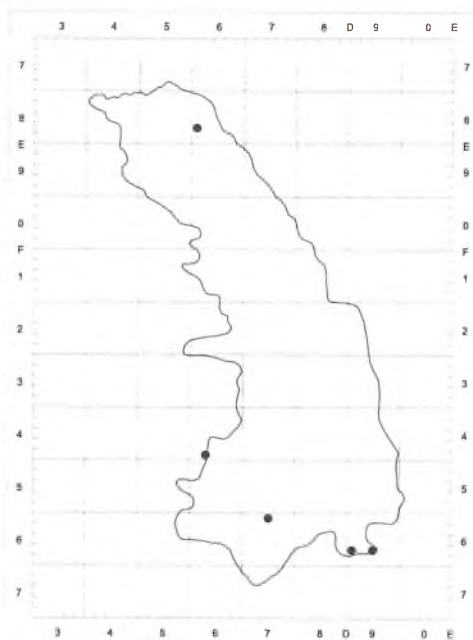
822. *Melampyrum arvense* L.



823. *Melampyrum cristatum* L.



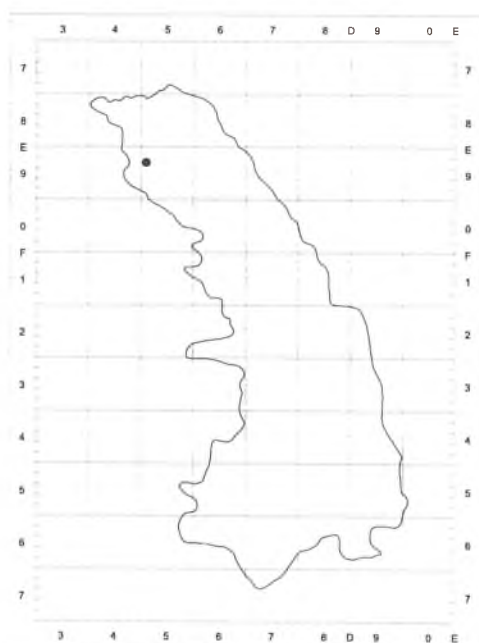
824. *Melampyrum nemorosum* L.



825. *Melampyrum polonicum*
(P. Beauv.) Soó



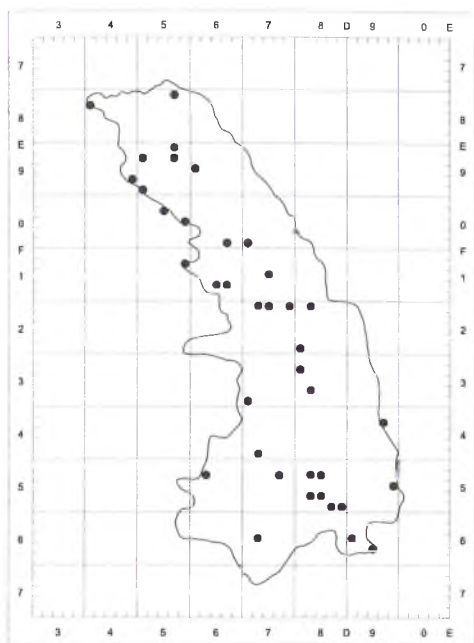
826. *Melampyrum pratense* L.



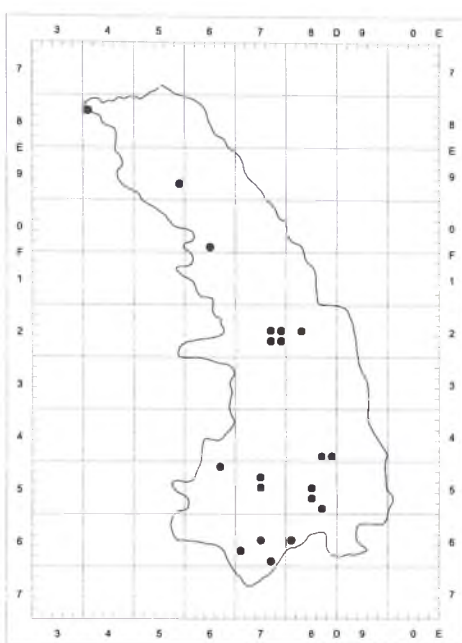
827. *Melampyrum sylvaticum* L.



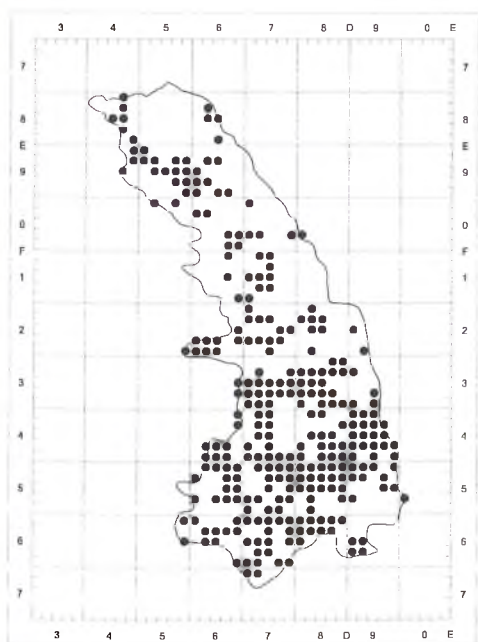
828. * *Melandrium album* (Mill.)
Garcke



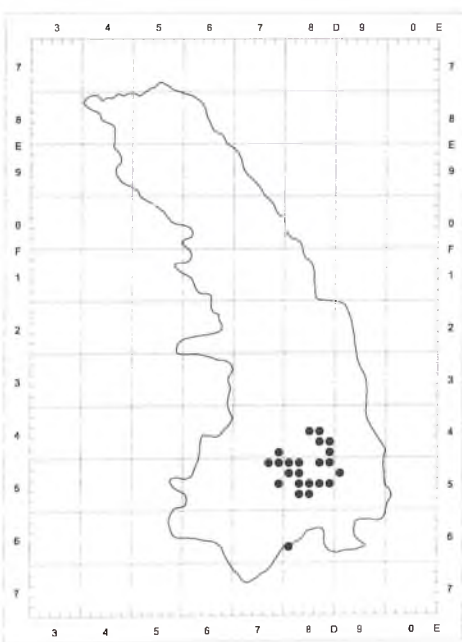
829. * *Melandrium noctibrum* (L.) Fr.



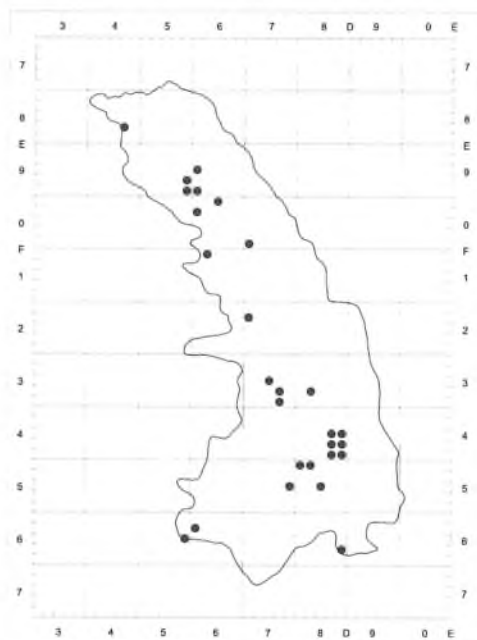
830. *Melandrium rubrum* (Weigel)
Garcke



831. *Melica nutans* L.



832. *Melica transsilvanica* Schur



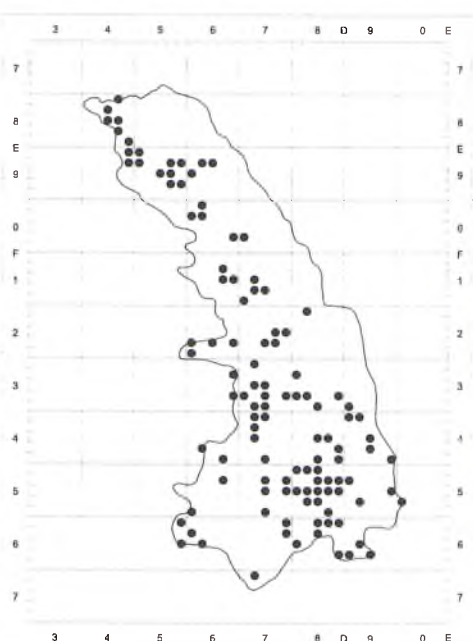
833. *Melica uniflora* Retz.



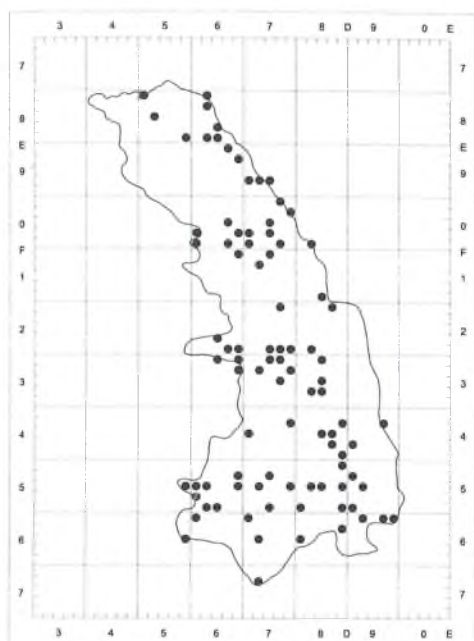
834. *Melilotus alba* Medik.



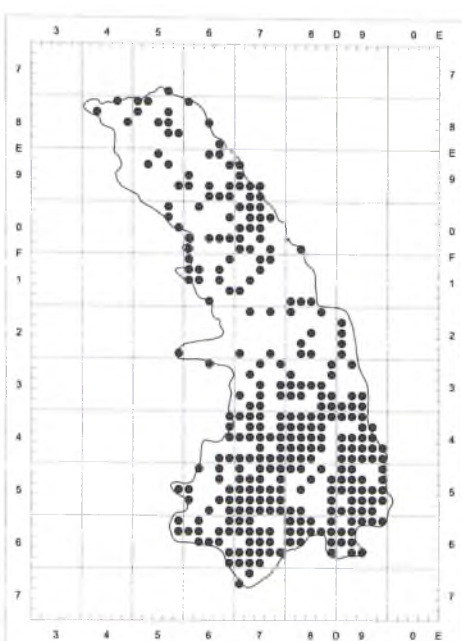
835. *Melilotus officinalis* (L.) Pall.



836. *Melittis melissophyllum* L.



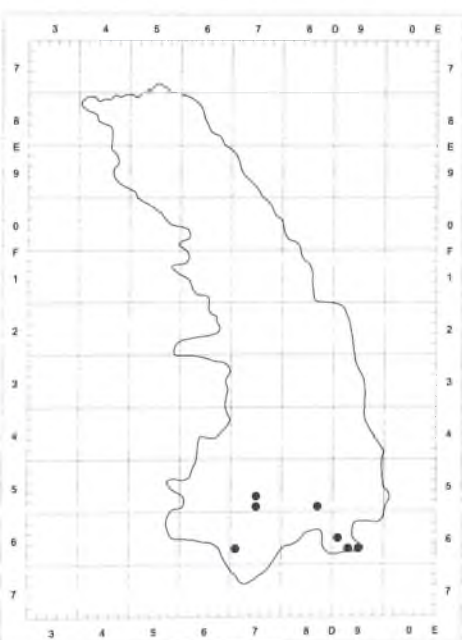
837. *Mentha aquatica* L.



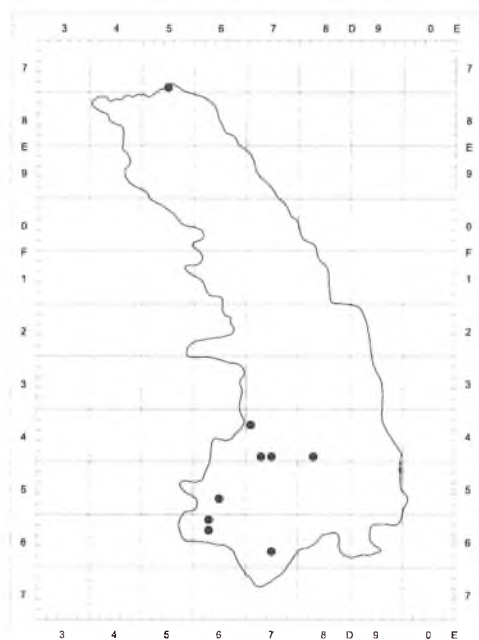
838. *Mentha arvensis* L.



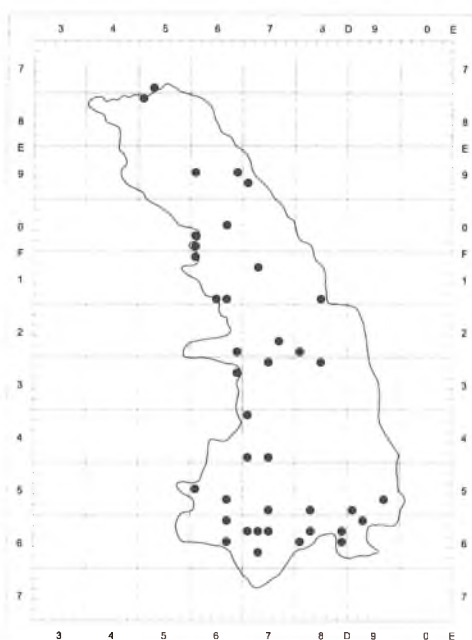
839. *Mentha longifolia* (L.) L.



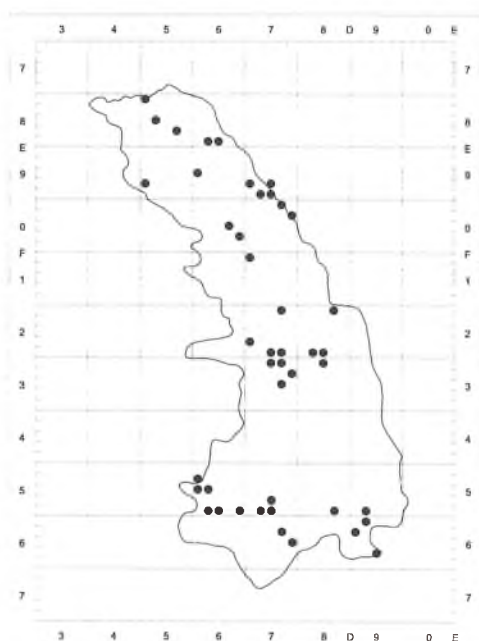
840. *Mentha pulegium* L.



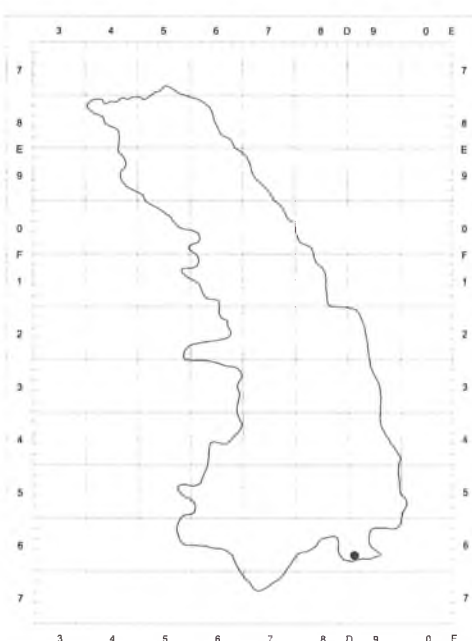
841. ** *Mentha spicata* L. emend. L.



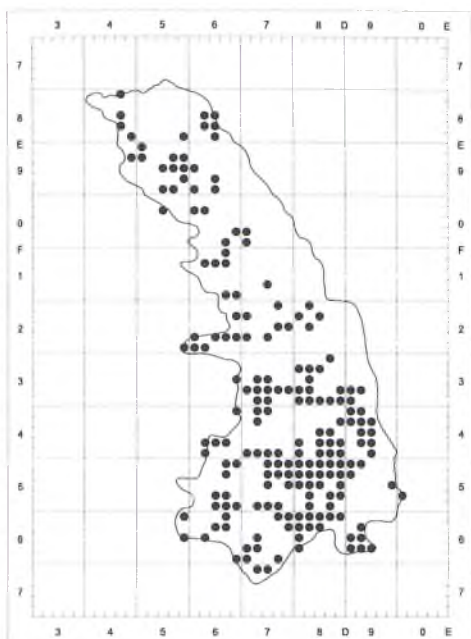
842. *Mentha* ×*verticillata* L.



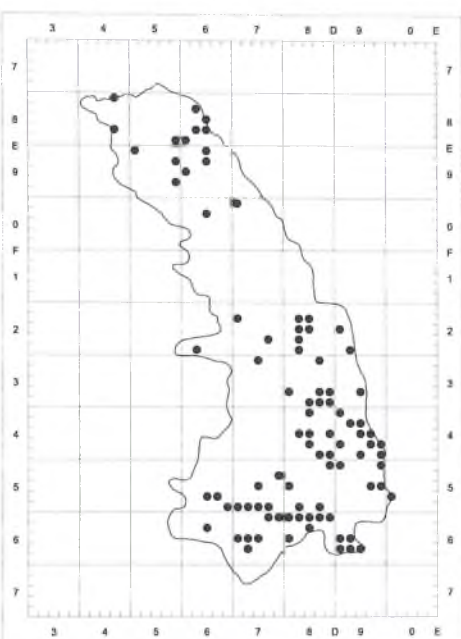
843. *Menyanthes trifoliata* L.



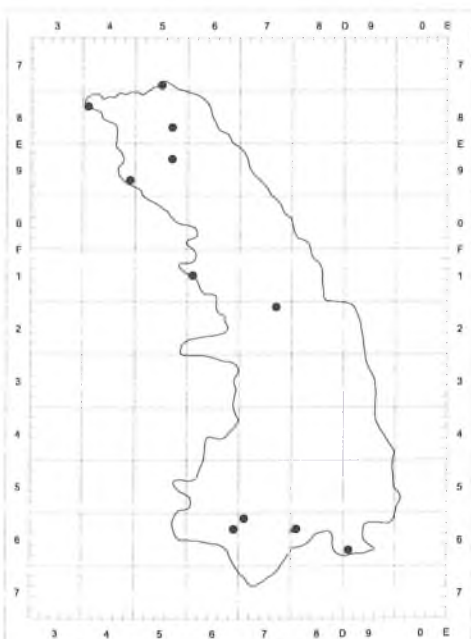
844. ** *Mercurialis annua* L.



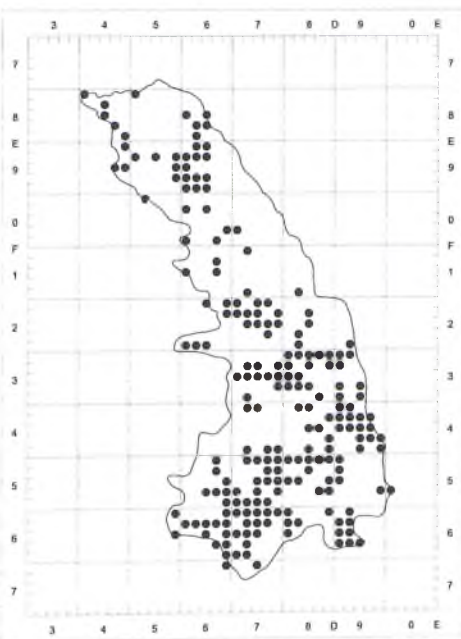
845. *Mercurialis perennis* L.



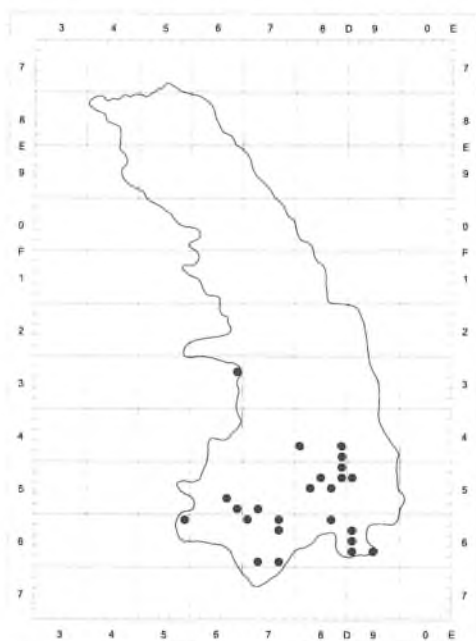
846. *Milium effusum* L.



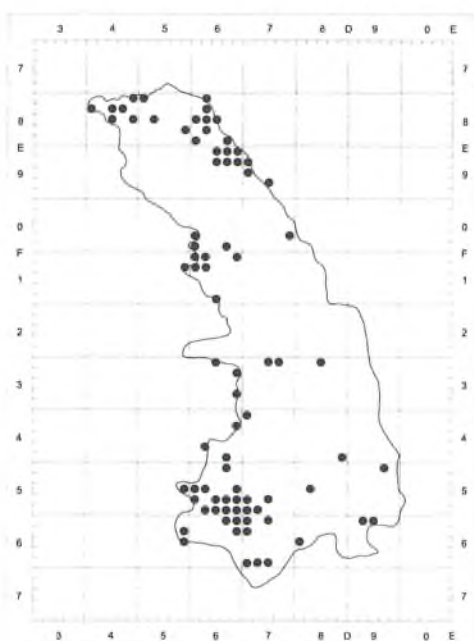
847. * *Misopates orontium* (L.) Raf.



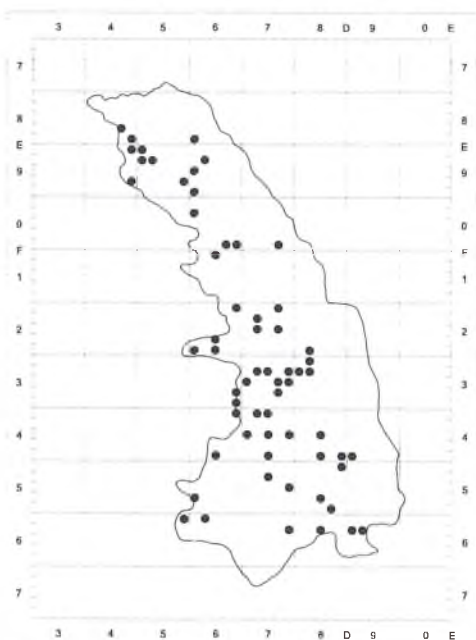
848. *Moehringia trinervia* (L.) Clairv.



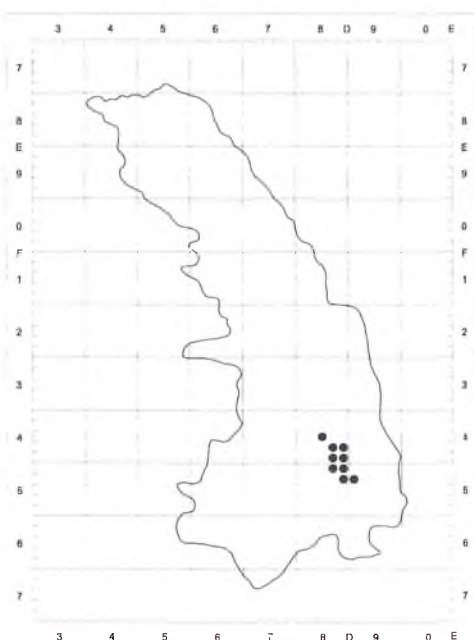
849. *Molinia arundinacea* Schrank



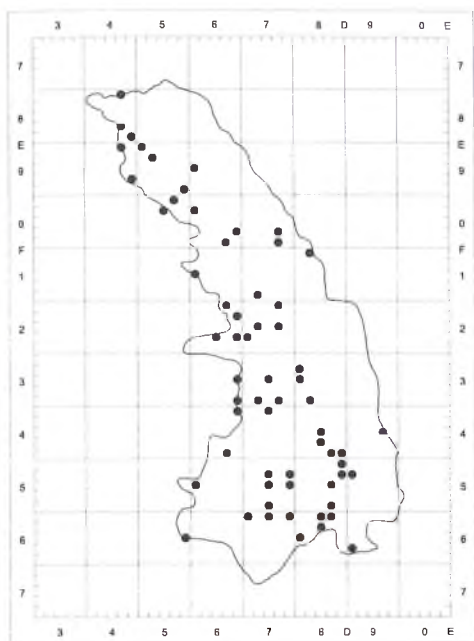
850. *Molinia caerulea* (L.)
Moench s. str.



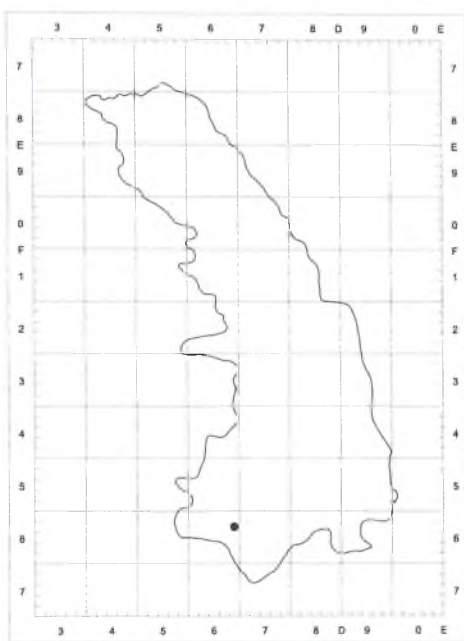
851. *Moneses uniflora* (L.) A. Gray



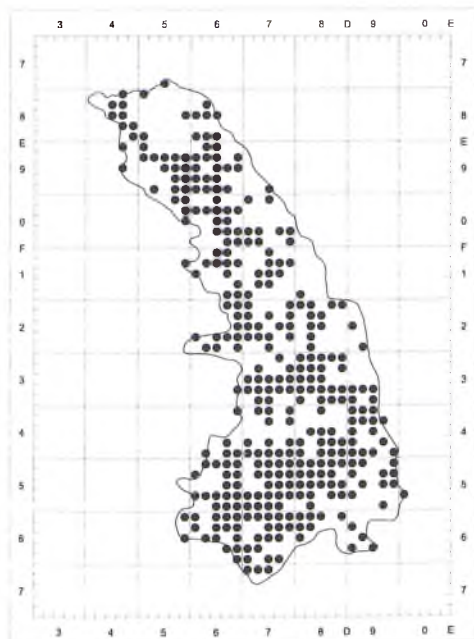
852. *Monotropa hypophaea* Wallr.



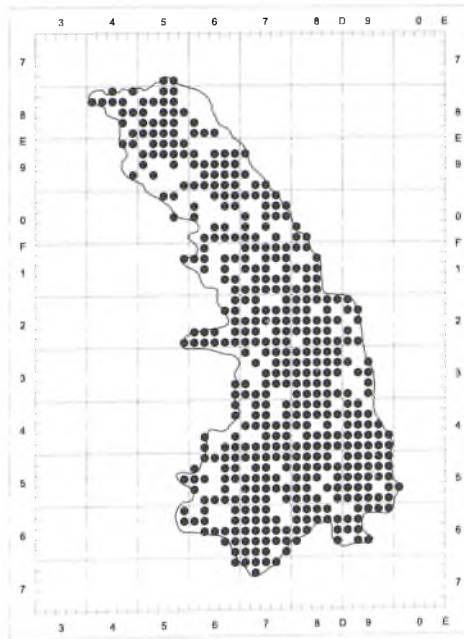
853. *Monotropa hypopitys* L. s. str.



854. + *Montia fontana* L. subsp.
chondrosperma (Fenzl) Walters



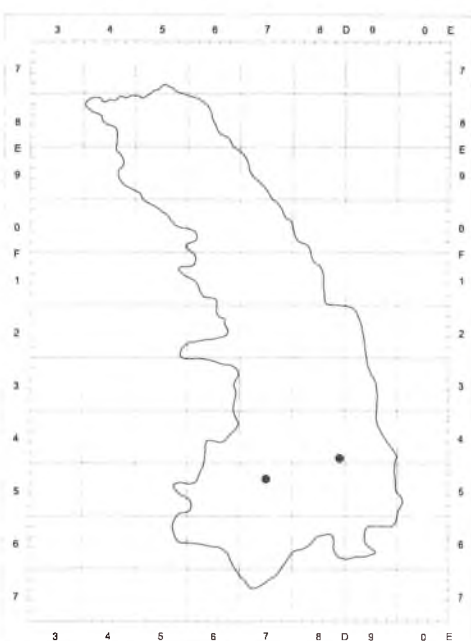
855. *Mycelis muralis* (L.) Dumort.



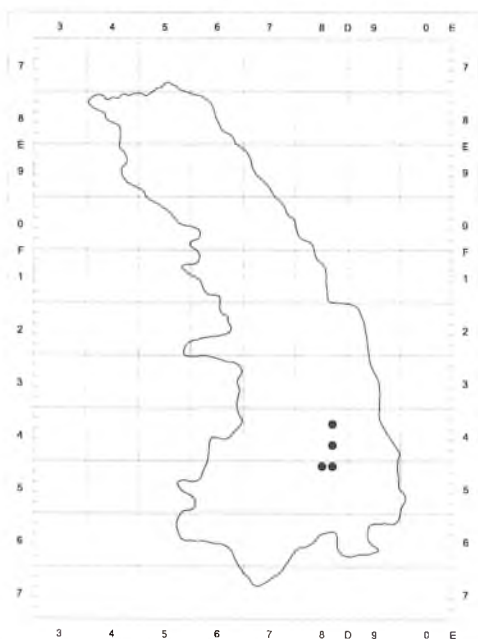
856. * *Myosotis arvensis* (L.) Hill.



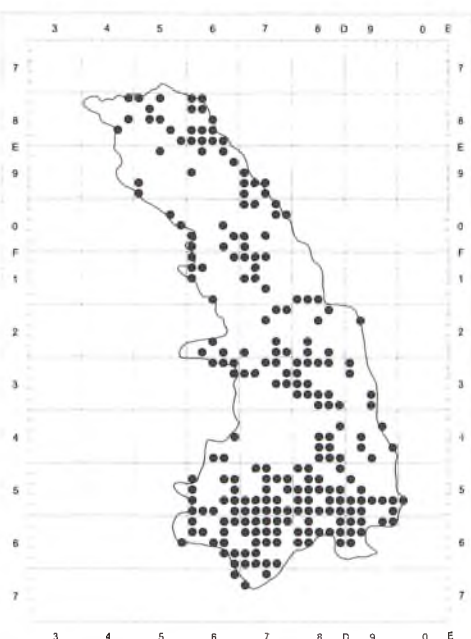
857. *Myosotis caespitosa* Schultz



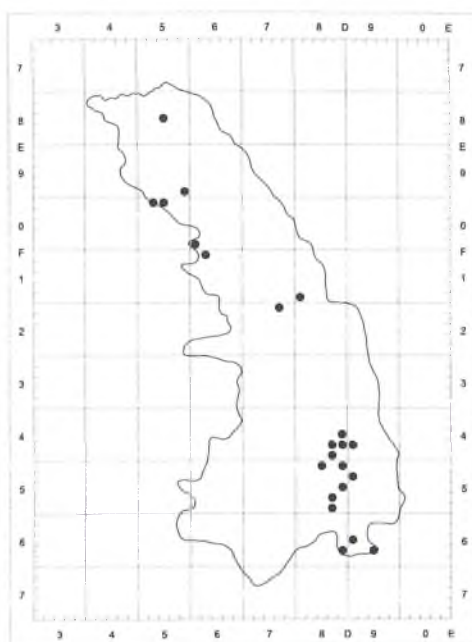
858. *Myosotis decumbens* Host subsp. *kernerii* (Dalla Torre & Sarnth.)
Grau



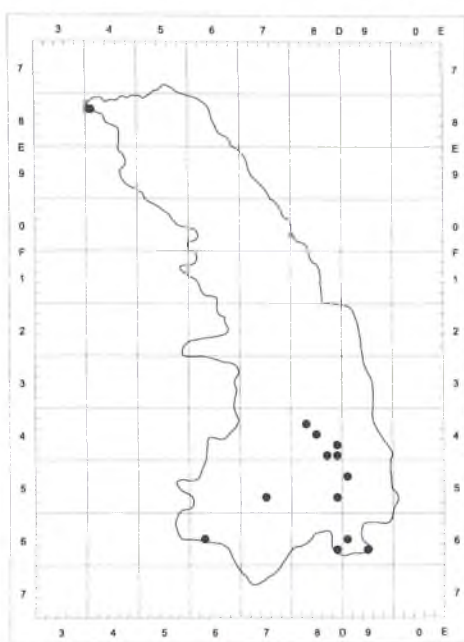
859. *Myosotis discolor* Pers.



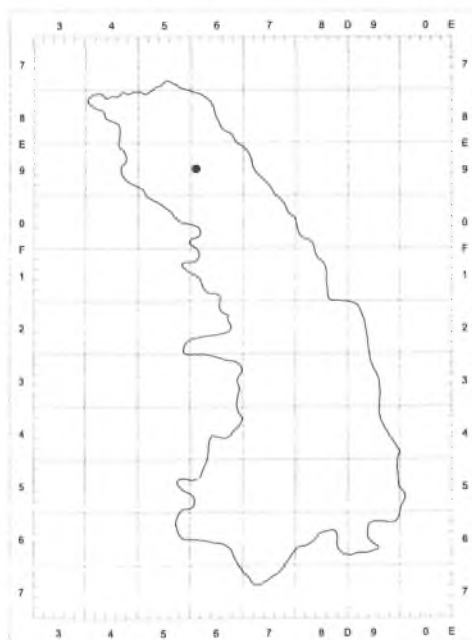
860. *Myosotis palustris* (L.) L. emend.
Rchb.



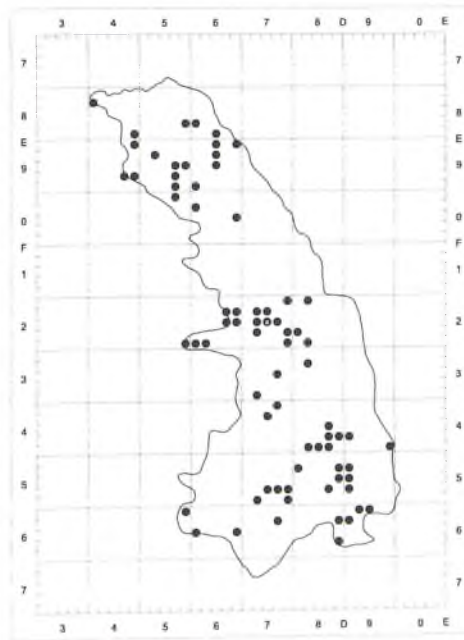
861. *Myosotis ramosissima* Rochel



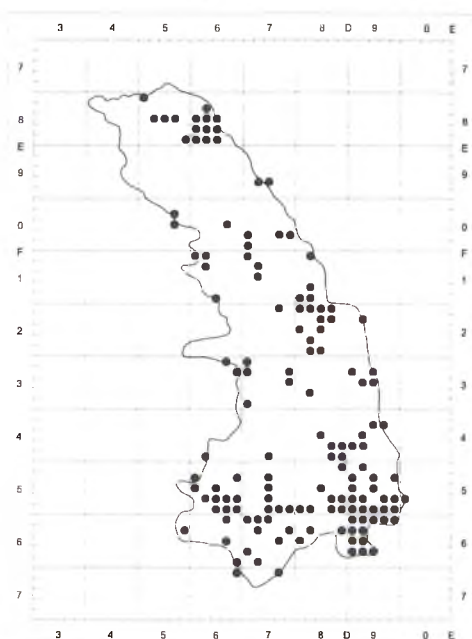
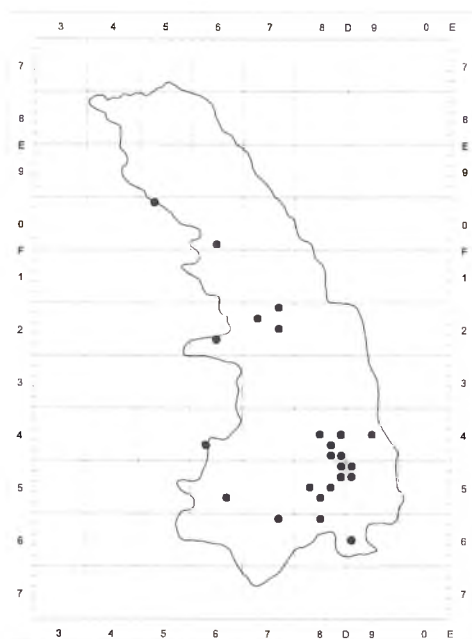
862. *Myosotis sparsiflora* Pohl



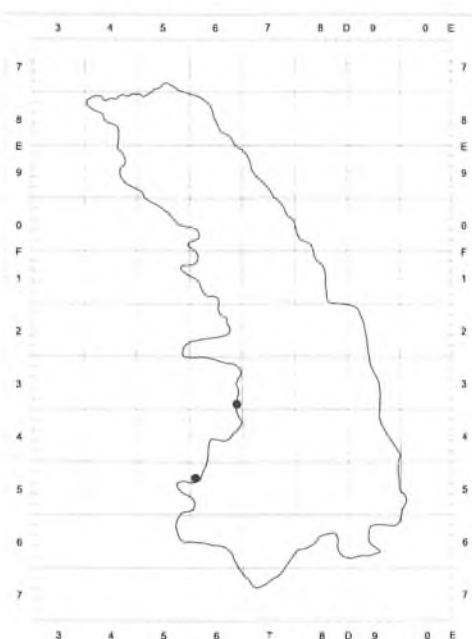
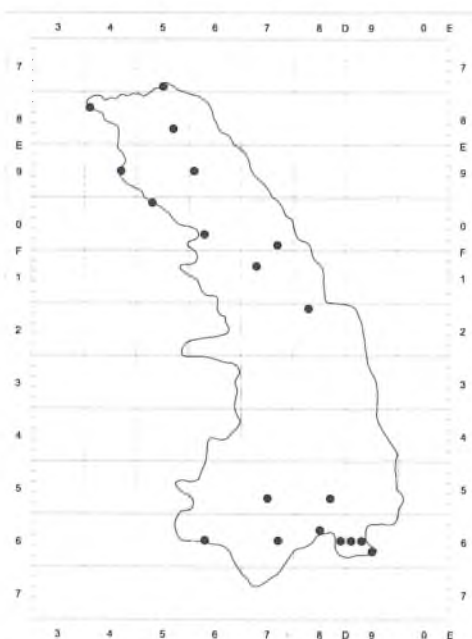
863. + *Myosotis stenophylla* Knaf



864. *Myosotis stricta*
Link ex Roem. & Schult.

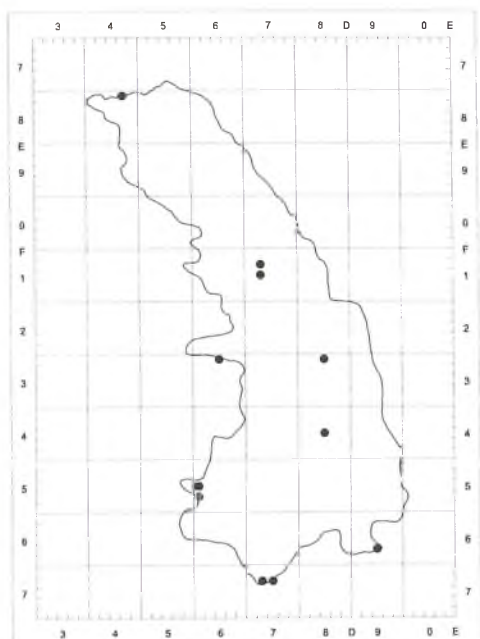


865. *Myosotis sylvatica* Ehrh. ex Hoffm. 866. *Myosoton aquaticum* (L.) Moench

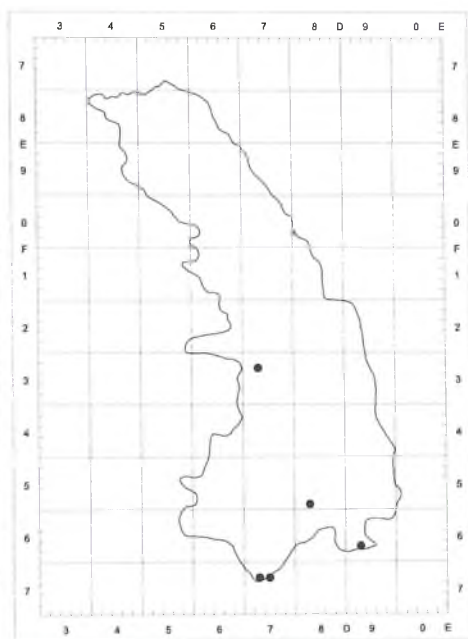


867. *Myosurus minimus* L.

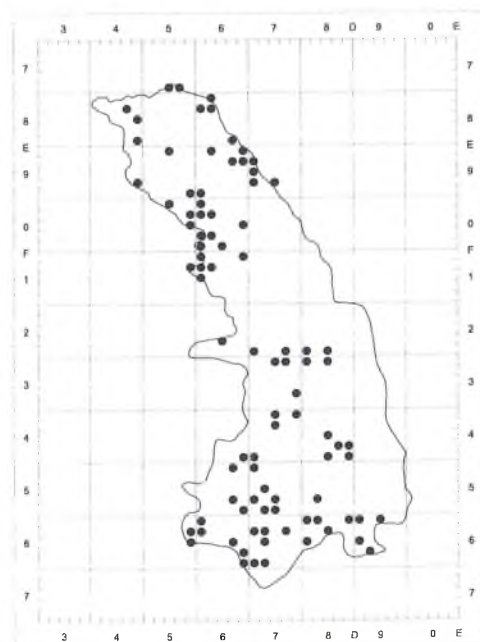
868. Δ *Myricaria germanica* (L.) Desv.



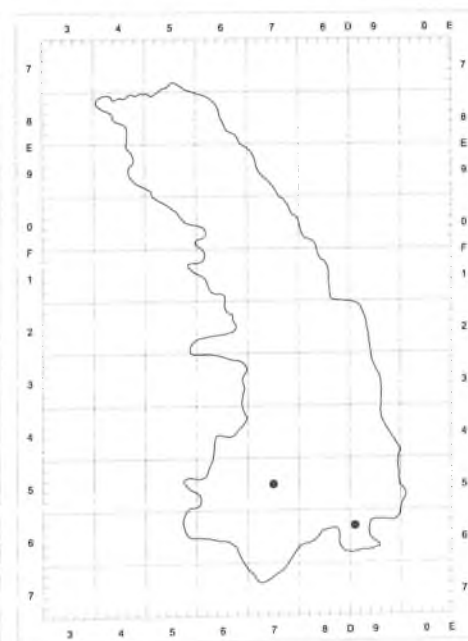
869. *Myriophyllum spicatum* L.



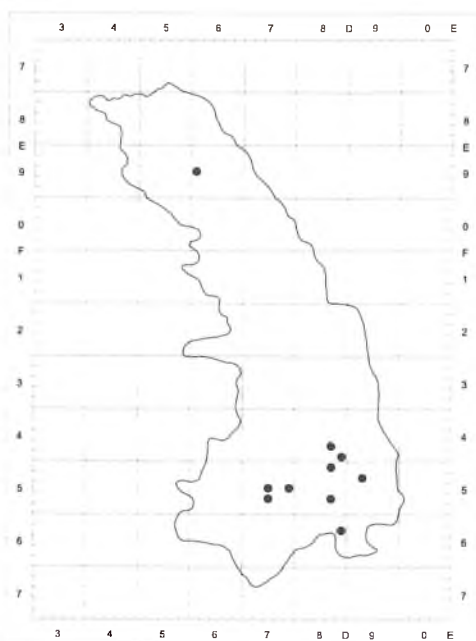
870. *Myriophyllum verticillatum* L.



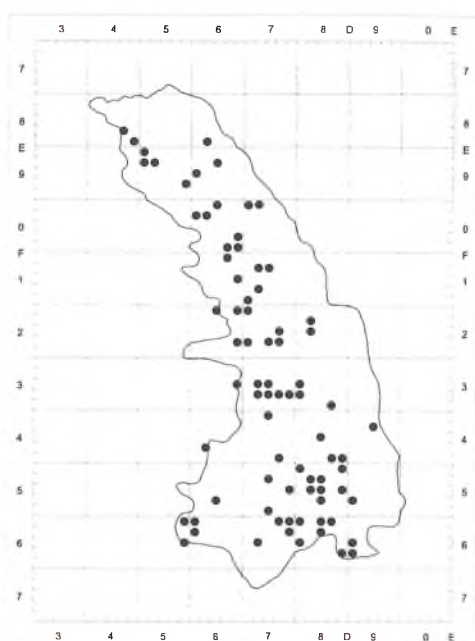
871. *Nardus stricta* L.



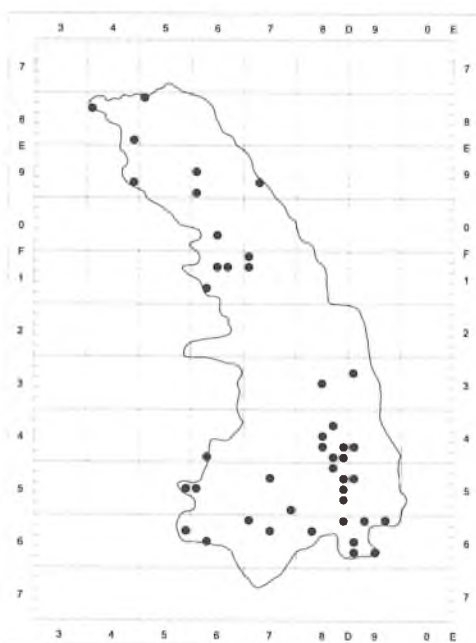
872. [*] *Nasturtium microphyllum*
(Boenn.) Rchb.



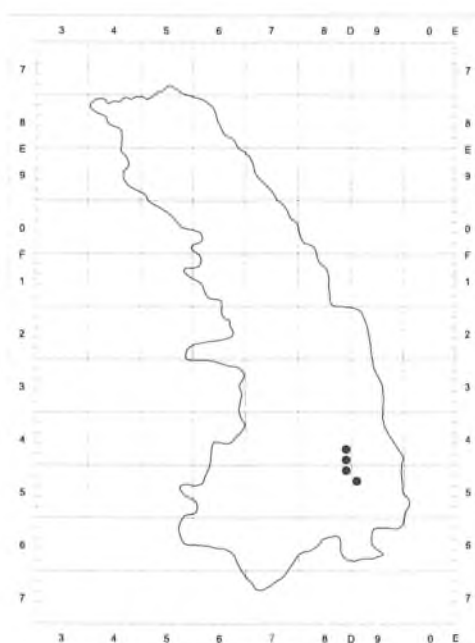
873. *Nasturtium officinale* R. Br.



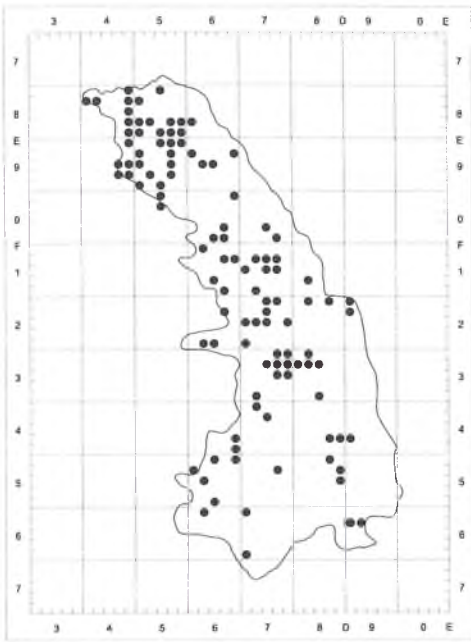
874. *Neottia nidus-avis* (L.) Rich.



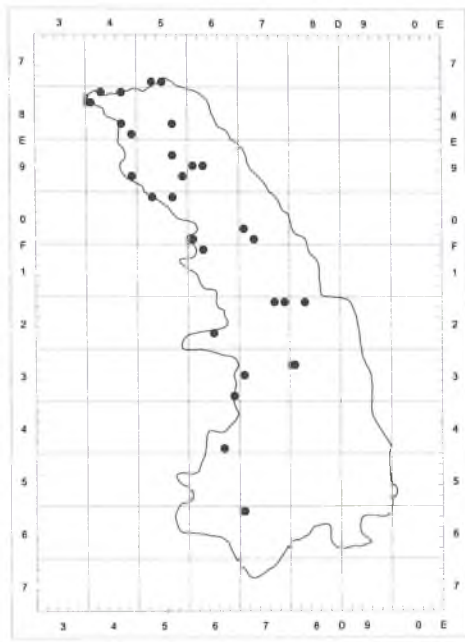
875. * *Nepeta cataria* L.



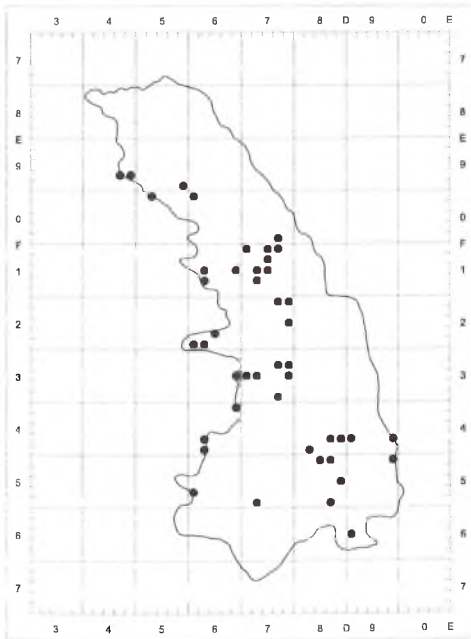
876. *Nepeta pannonica* L.



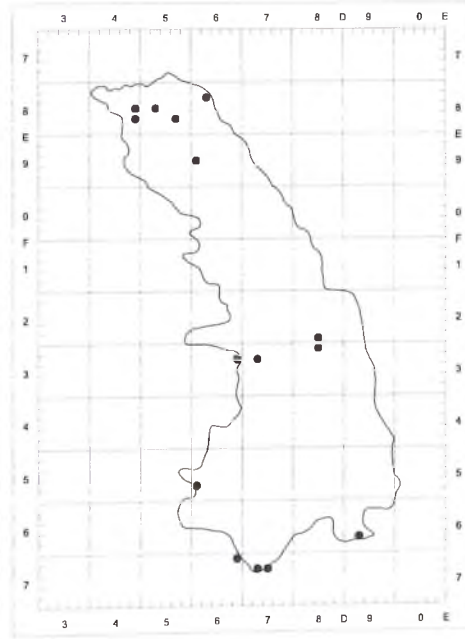
877. * *Neslia paniculata* (L.) Desv.



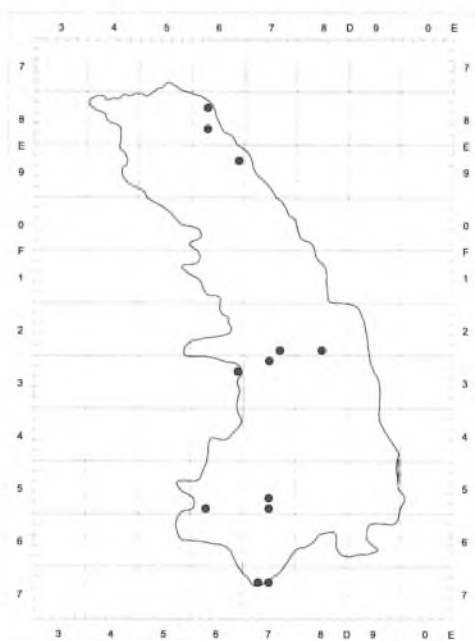
878. * *Nigella arvensis* L.



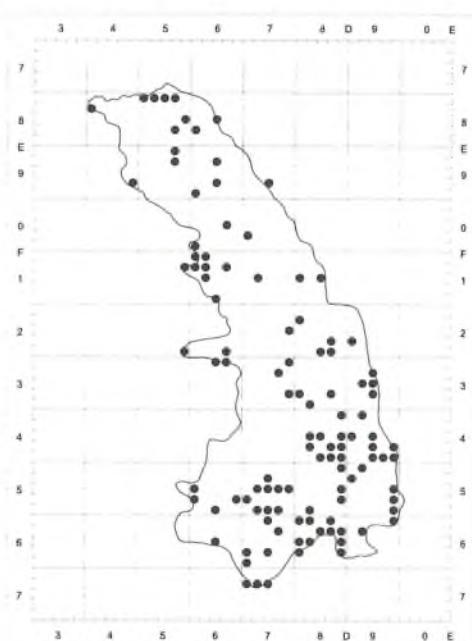
879. *Nonea pulla* (L.) DC.



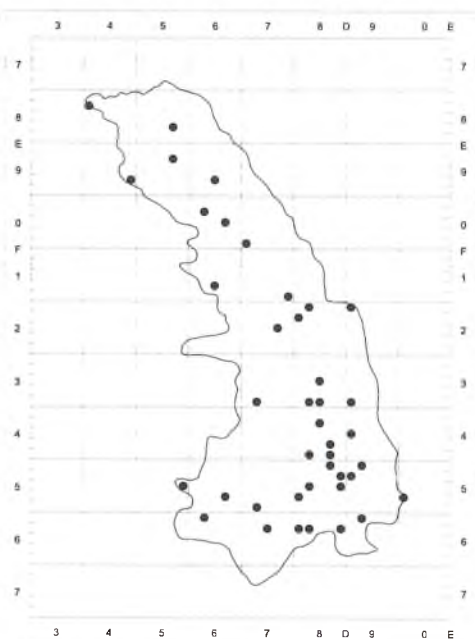
880. *Nuphar lutea* (L.) Sibth. & Sm.



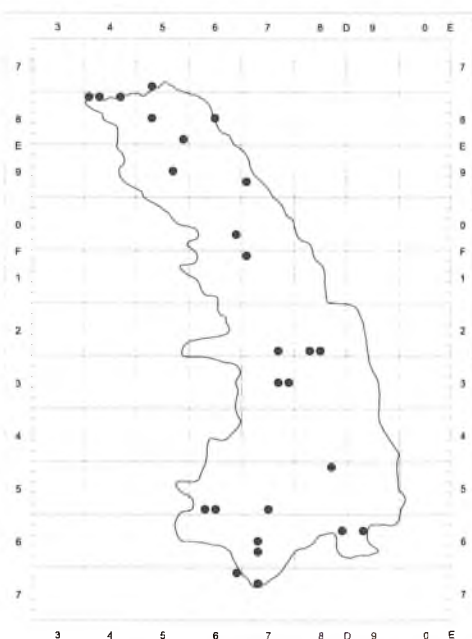
881. *Nymphaea alba* L.



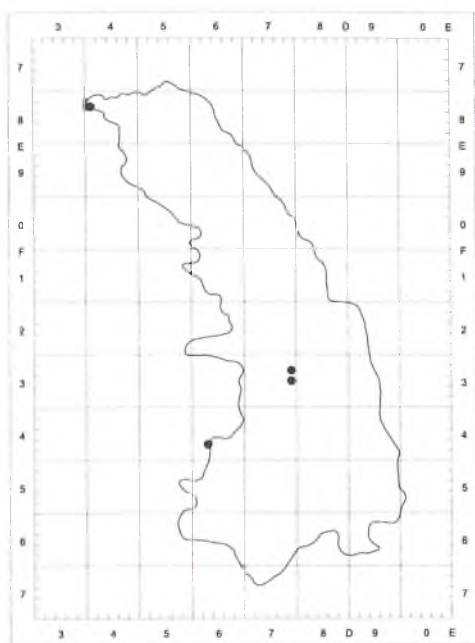
882. *Odontites serotina* (Lam.) Rchb.



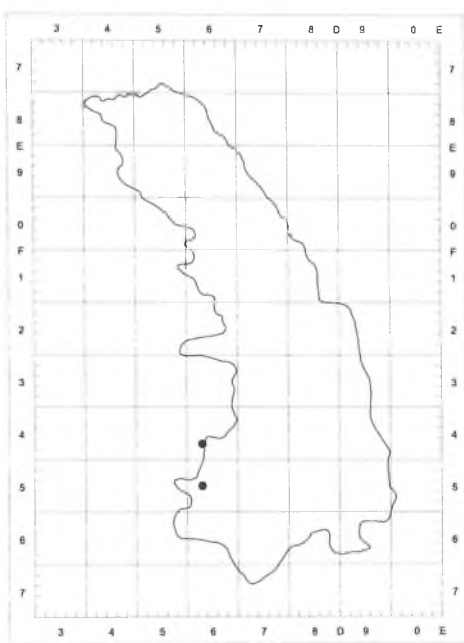
883. * *Odontites verna* (Bellardi)
Dumort.



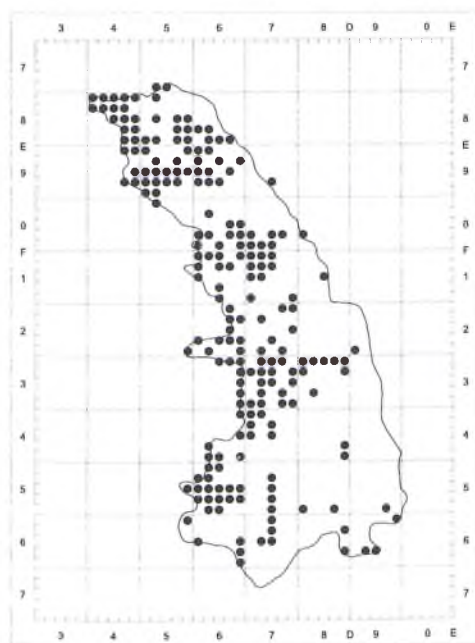
884. *Oenanthe aquatica* (L.) Poir.



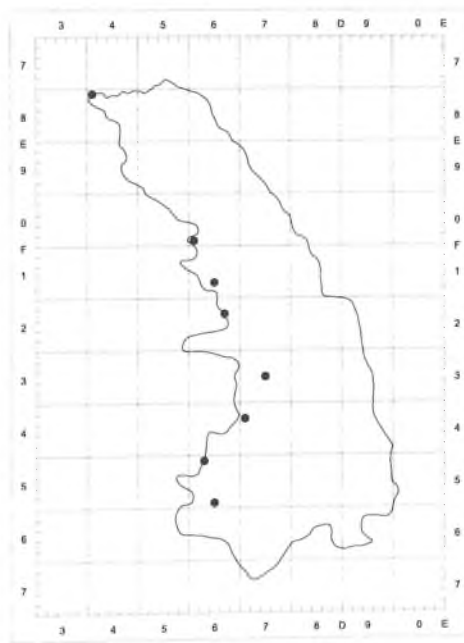
885. ** *Oenothera acutifolia* Rostański



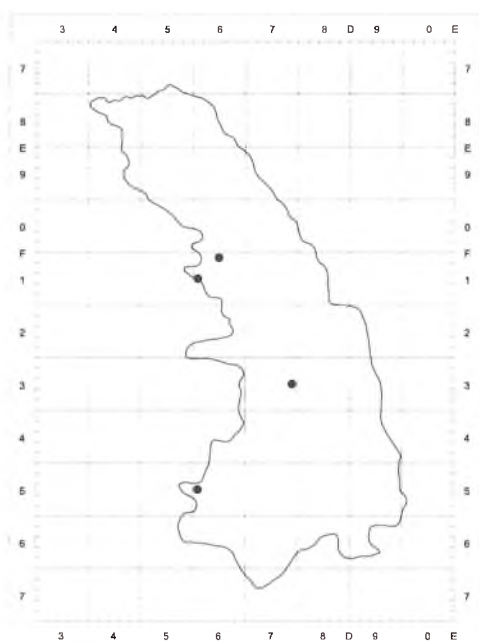
886. *Oenothera ammophila* Focke



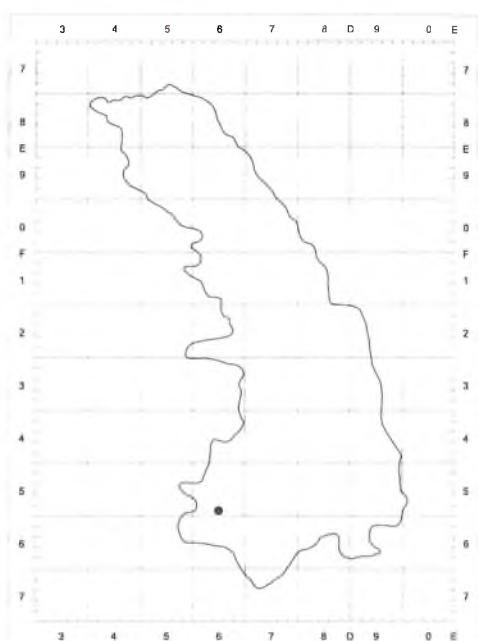
887. *Oenothera biennis* L. s. str.



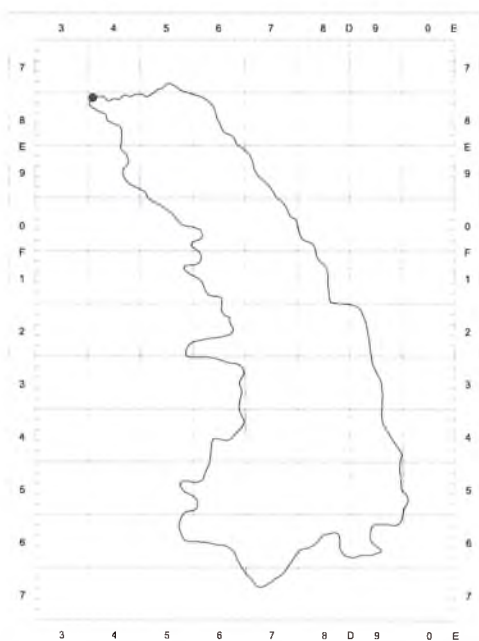
888. ** *Oenothera depressa* Greene



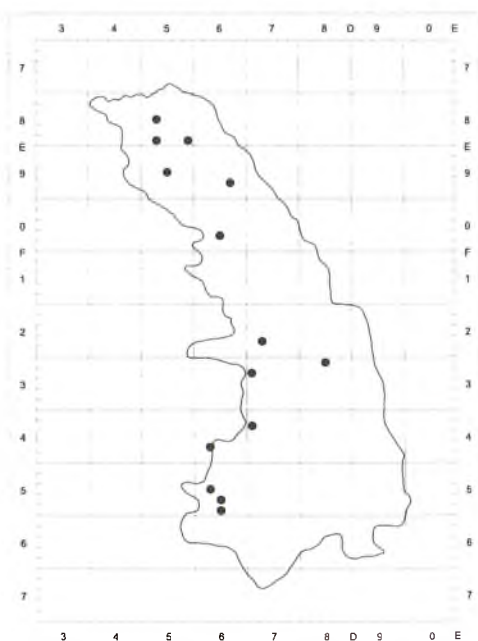
889. ** *Oenothera laemingina*
Hudziok



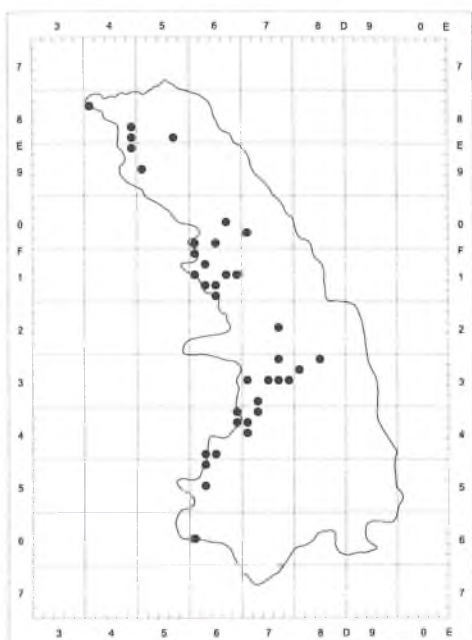
890. ** *Oenothera hoelscheri*
Renner ex Rostański



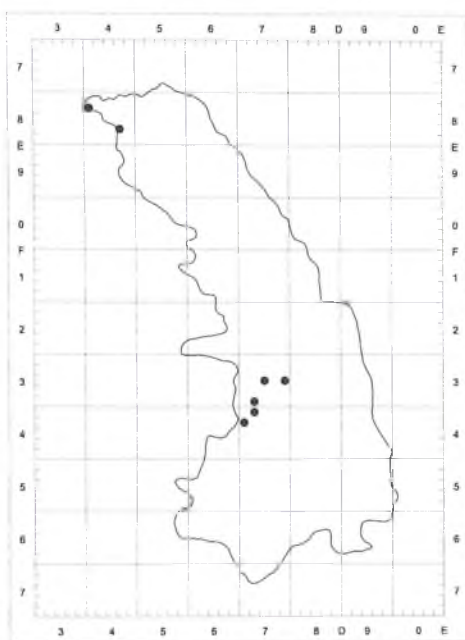
891. ** *Oenothera jueterbogensis*
Hudziok



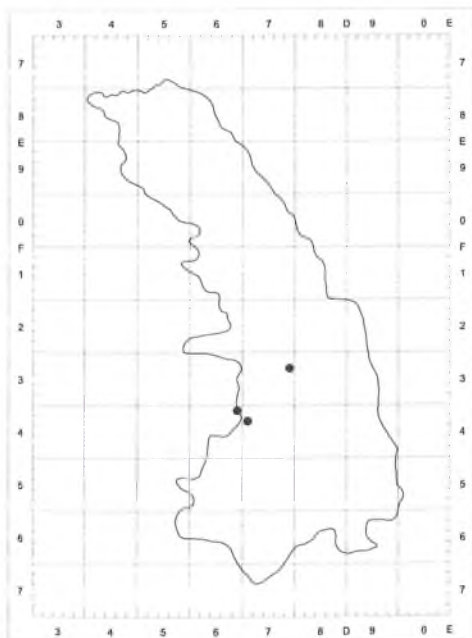
892. ** *Oenothera paradoxa* Hudziok



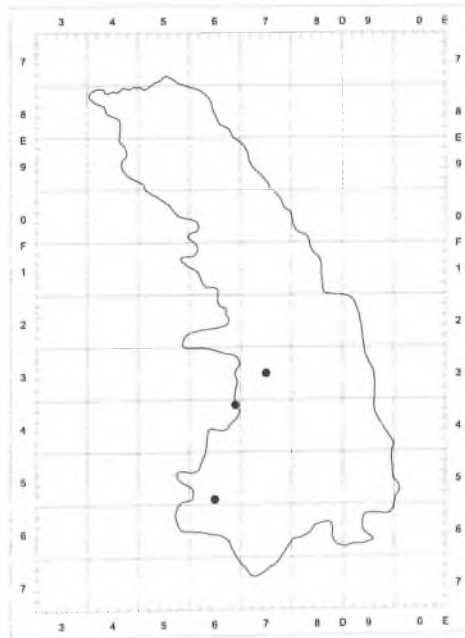
893. *Oenothera rubricaulis* Kleb.



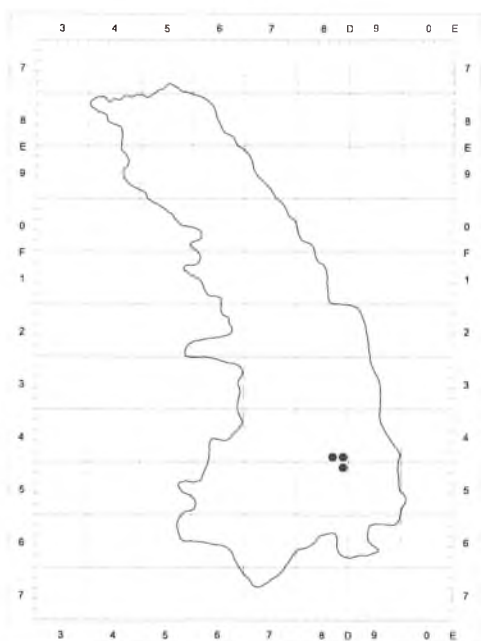
894. ** *Oenothera subterminalis*
R. R. Gates



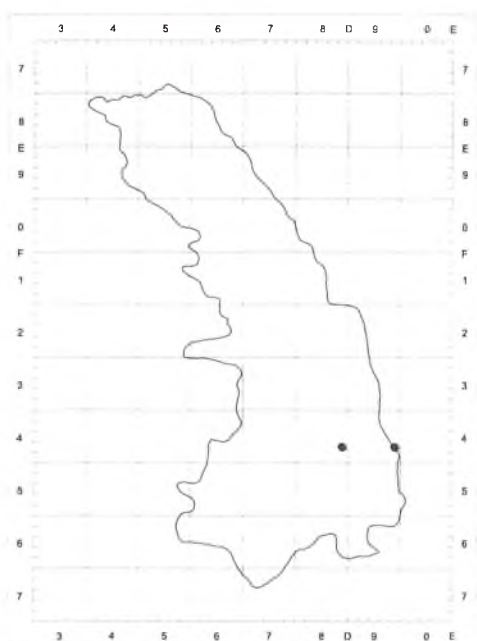
895. ** *Oenothera victorini*
R. R. Gates & Catches in R. R. Gates



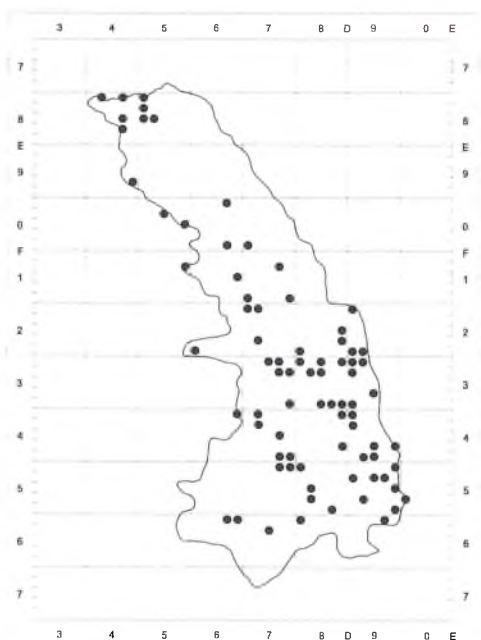
896. ** *Oenothera wienii*
Renner ex Rostański



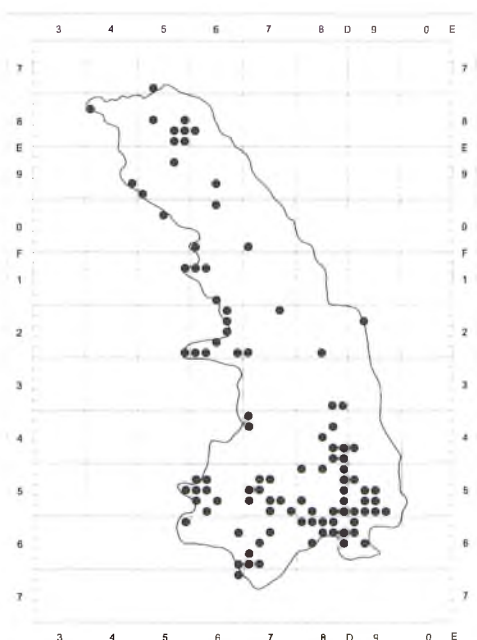
897. *Omphalodes scorpioides* (Haenke) Schrank



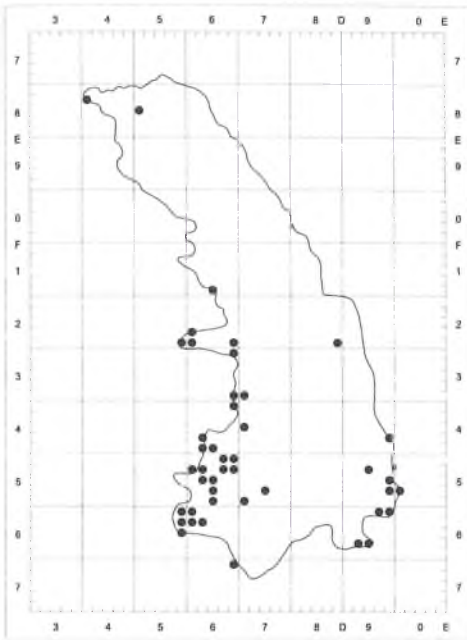
898. *Onobrychis arenaria* (Kit.) DC.



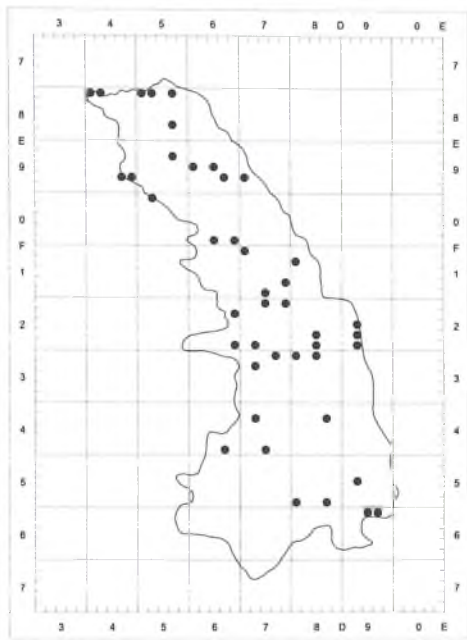
899. ** *Onobrychis viciifolia* Scop.



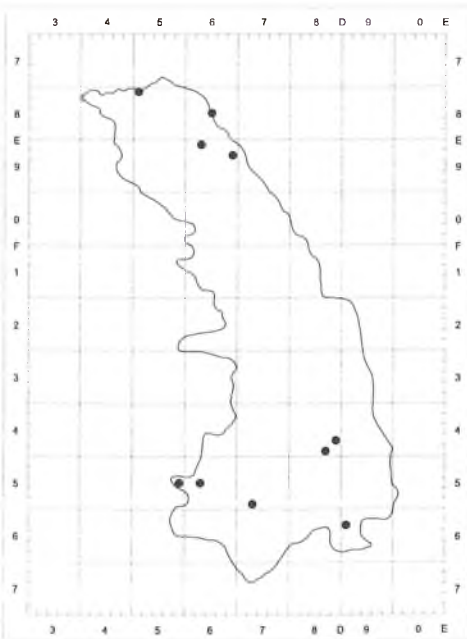
900. *Ononis arvensis* L.



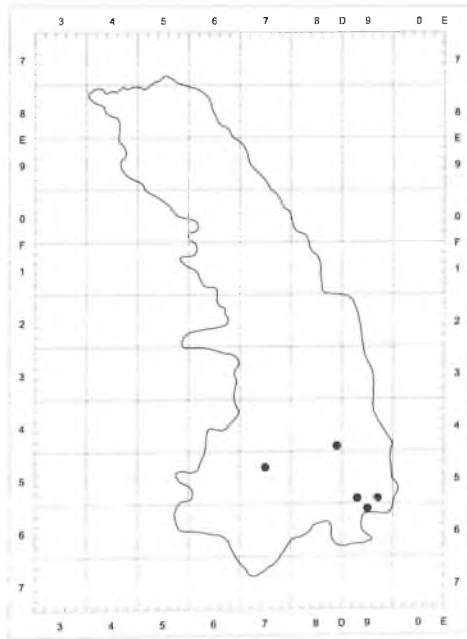
901. *Ononis spinosa* L.



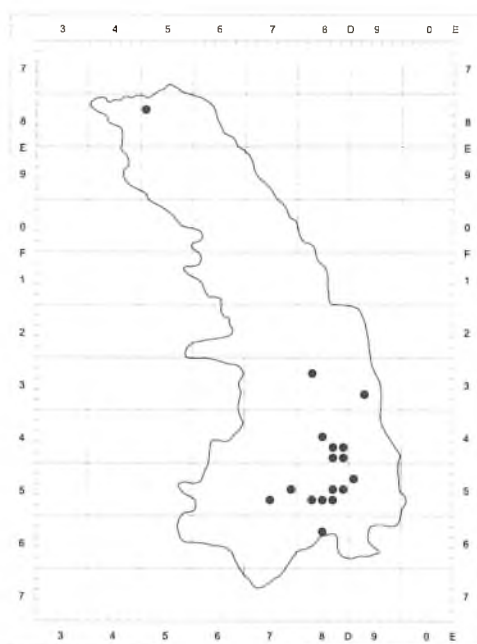
902. * *Onopordum acanthium* L.



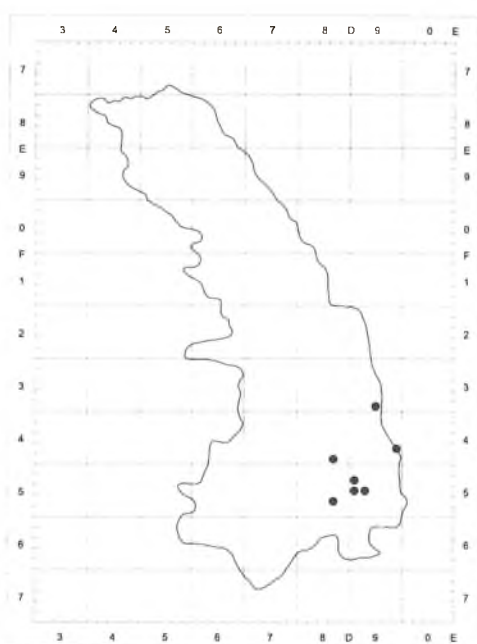
903. *Ophioglossum vulgatum* L.



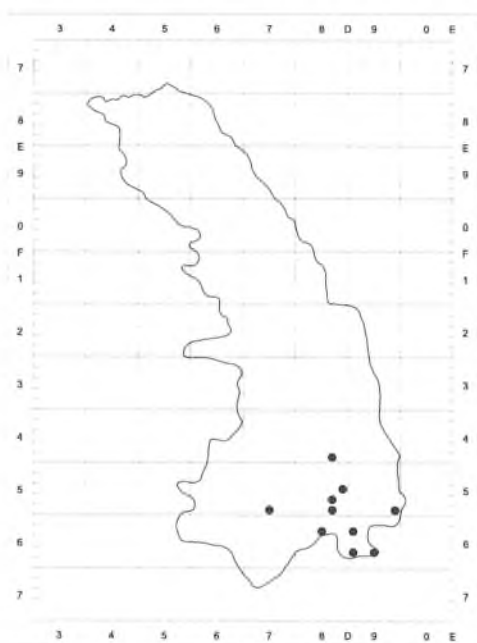
904. + *Orchis coriophora* L.



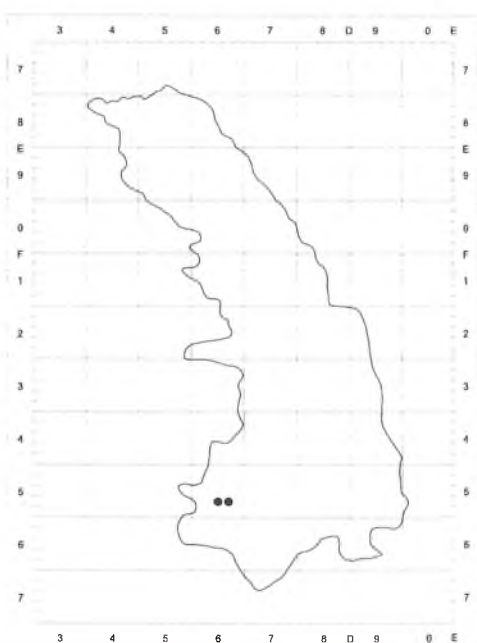
905. *Orchis mascula* (L.) L.



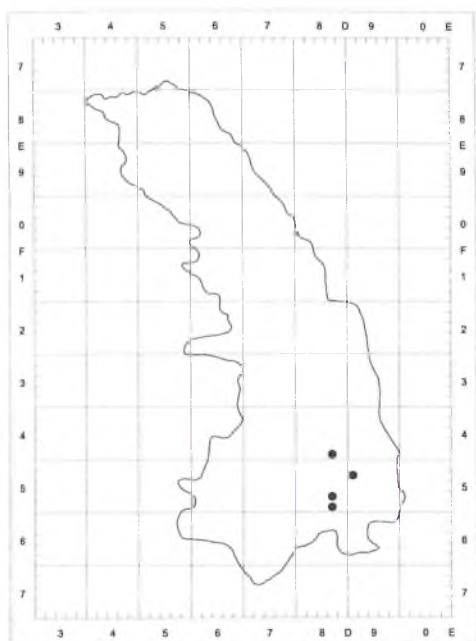
906. *Orchis militaris* L.



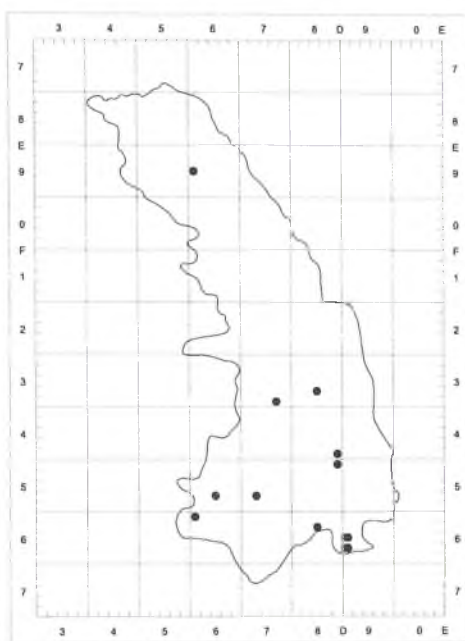
907. *Orchis morio* L.



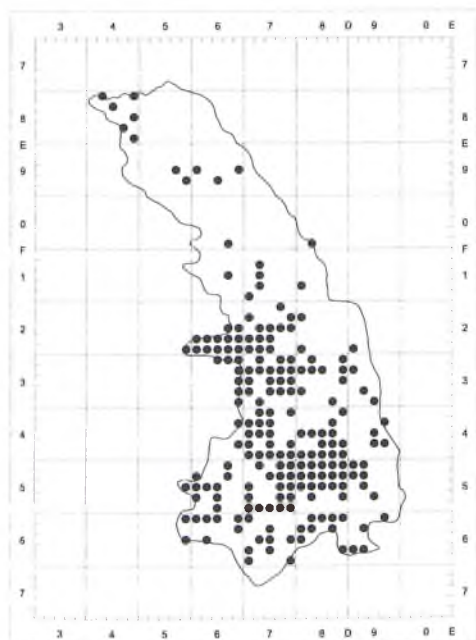
908. + *Orchis palustris* Jacq.



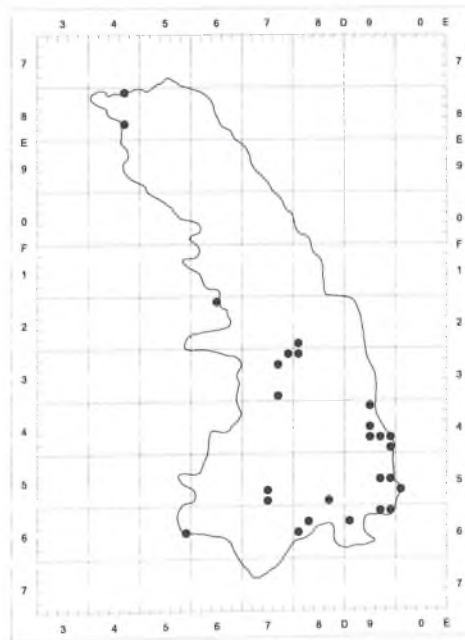
909. + *Orchis ustulata* L.



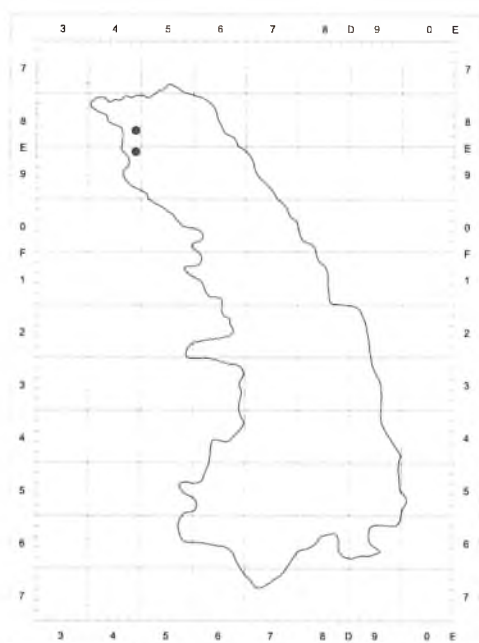
910. *Oreopteris limbosperma*
(Bellardi ex All.) Holub



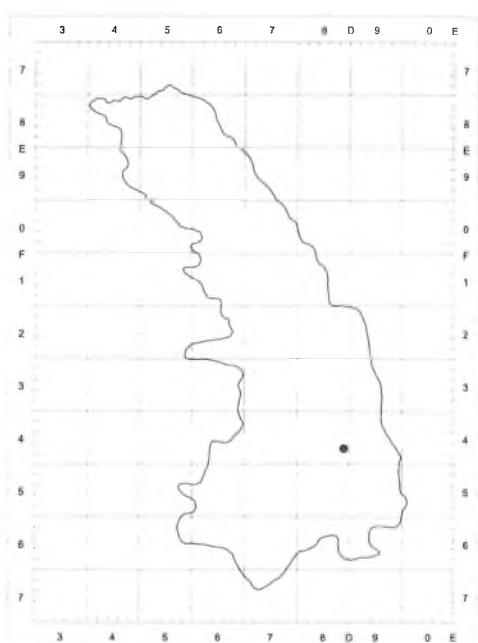
911. *Origanum vulgare* L.



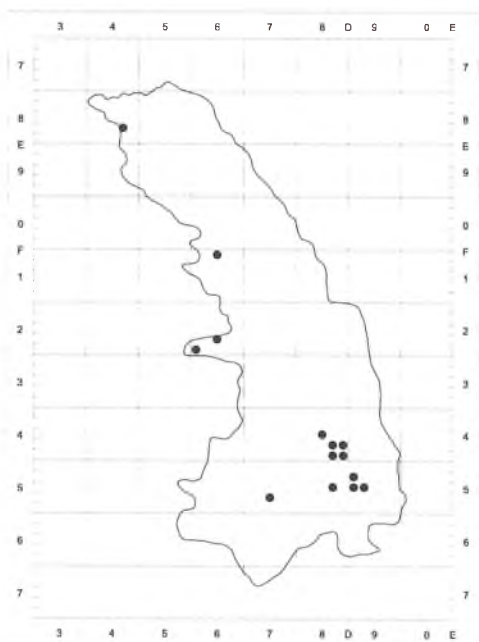
912. *Ornithogalum umbellatum* L.



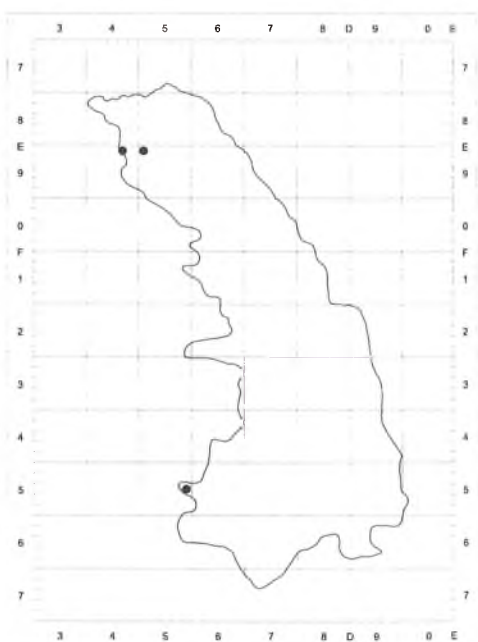
913. *Ornithopus perpusillus* L.



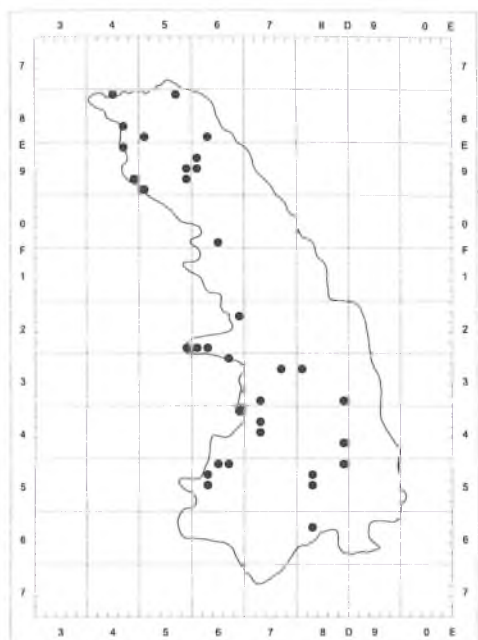
914. *Orobanche bartlingii* Griseb.



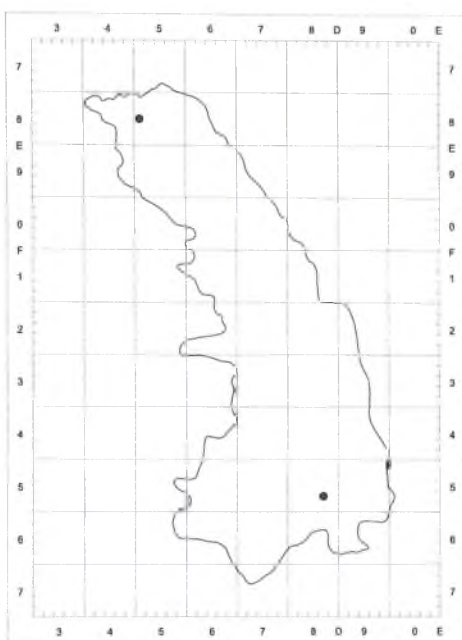
915. *Orobanche caryophyllacea* Sm.



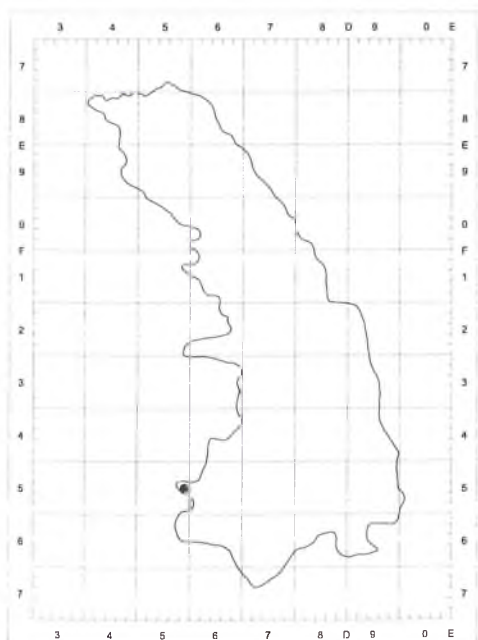
916. *Orobanche elatior* Sutton



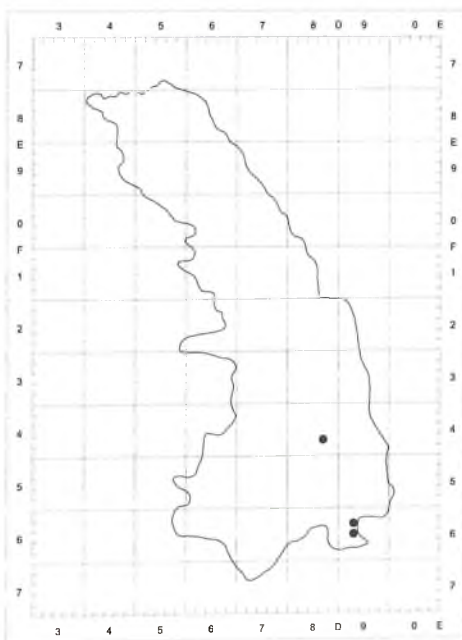
917. *Orobanchae lutea* Baumg.



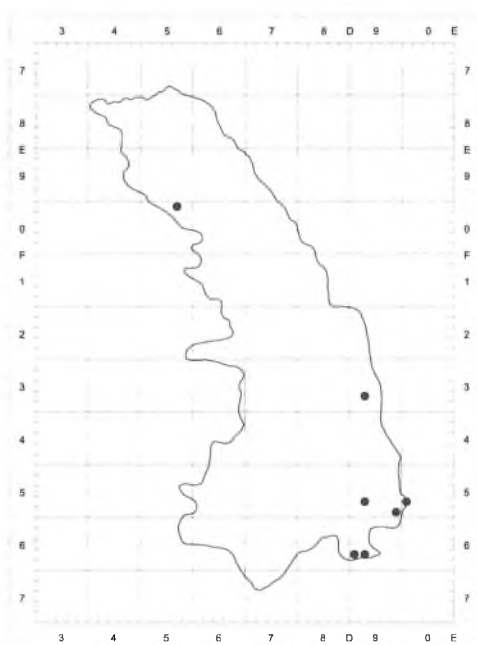
918. *Orobanchae picridis* F. W. Schultz



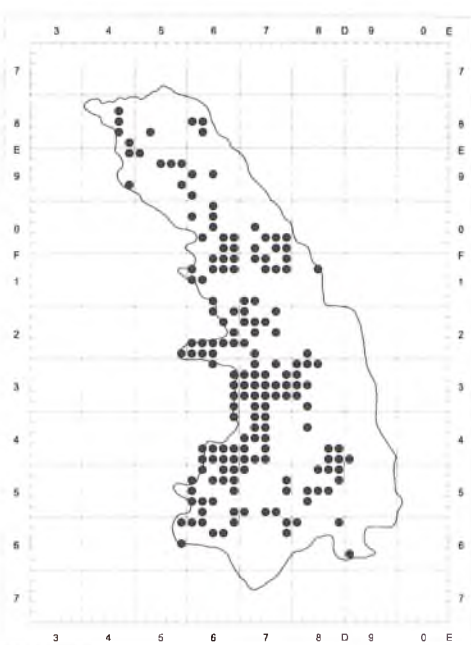
919. *Orobanchae purpurea* Jacq.



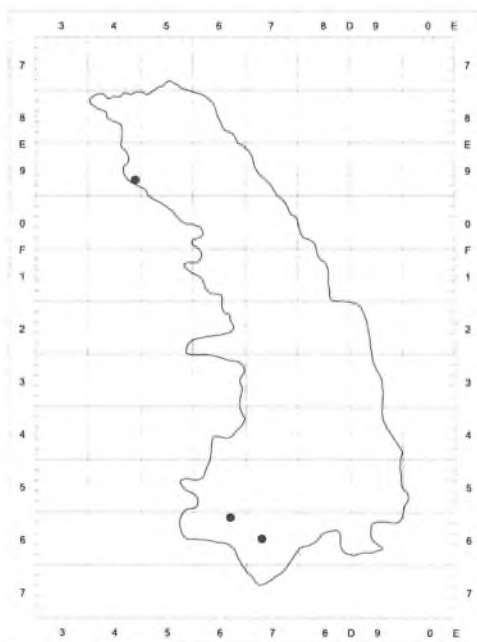
920. ** *Orobanchae ramosa* L.



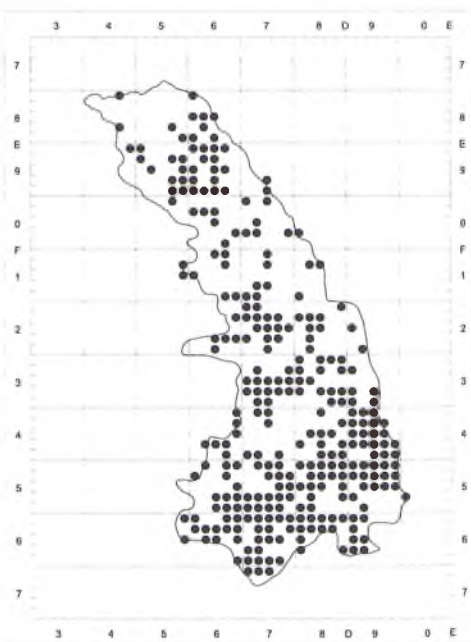
921. *Orthanta lutea* (L.)
A. Kern. ex Wettst.



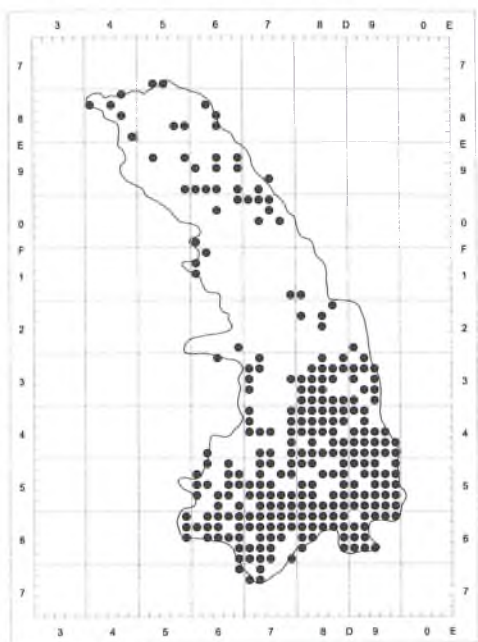
922. *Orthilia secunda* (L.) House



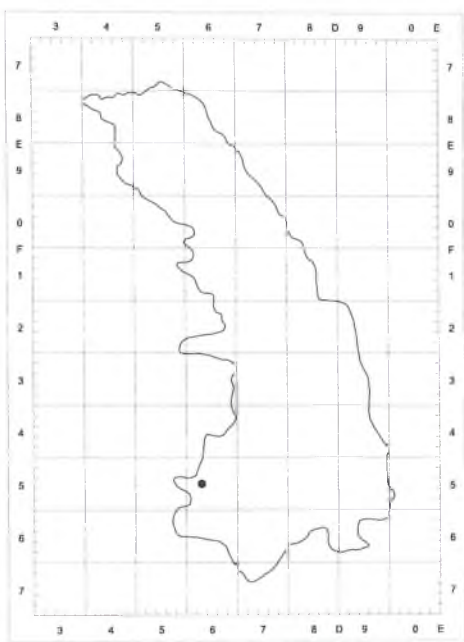
923. *Osmunda regalis* L.



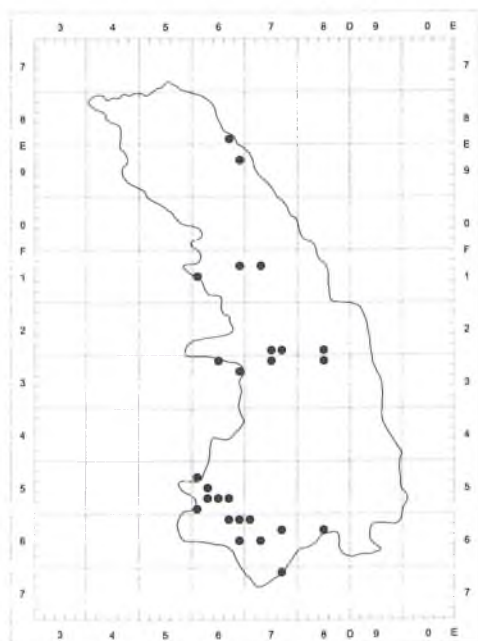
924. *Oxalis acetosella* L.



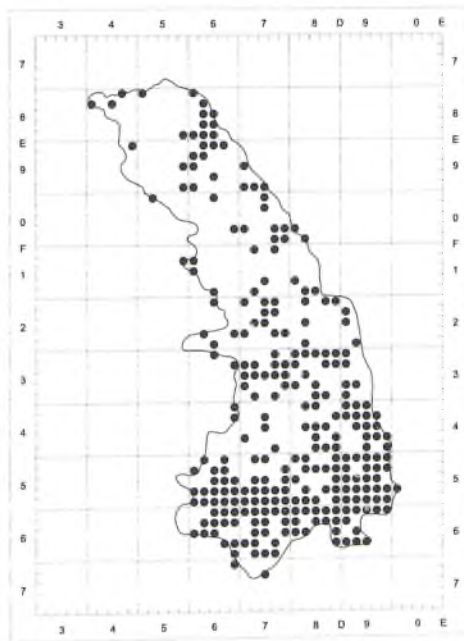
925. ** *Oxalis fontana* Bunge



926. ** *Oxybaphus nyctagineus* (Michx.) SW.



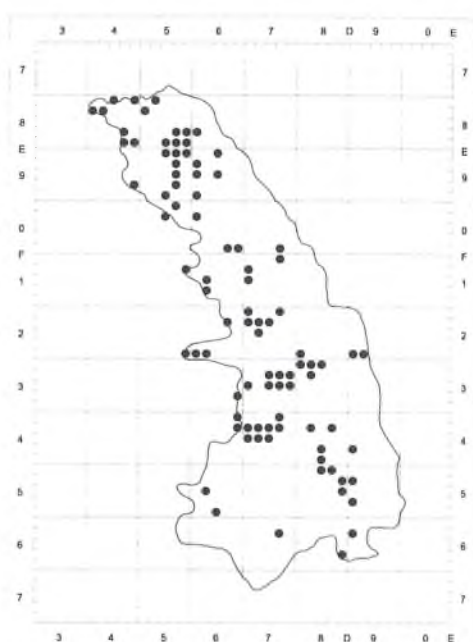
927. *Oxycoccus palustris* Pers.



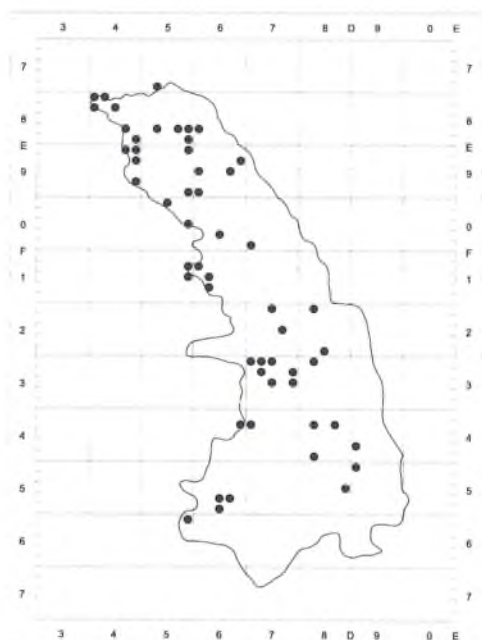
928. *Padus avium* Mill.



929. ** *Padus serotina* (Ehrh.) Borkh.



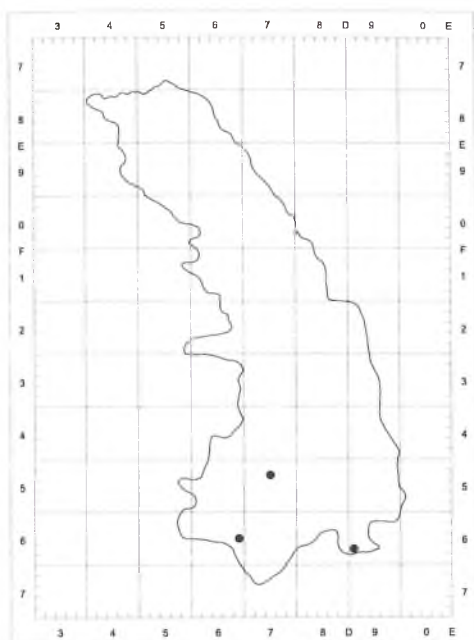
930. * *Papaver argemone* L.



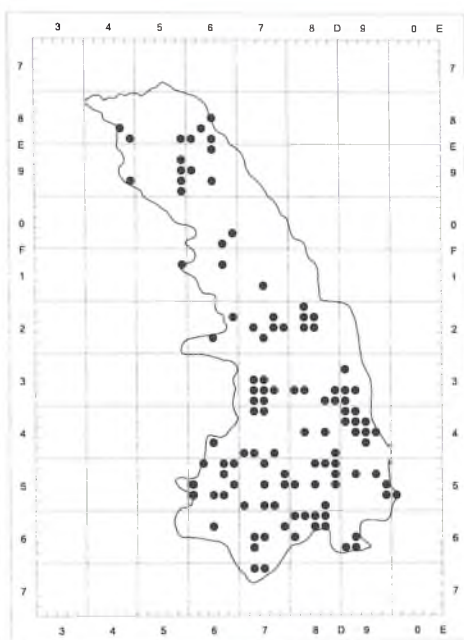
931. * *Papaver dubium* L.



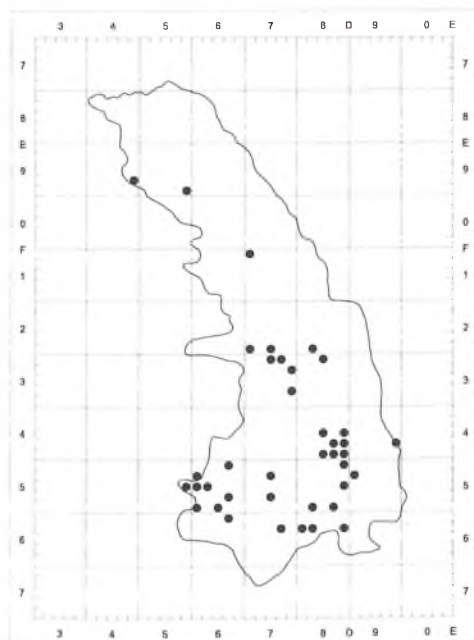
932. * *Papaver rhoeas* L.



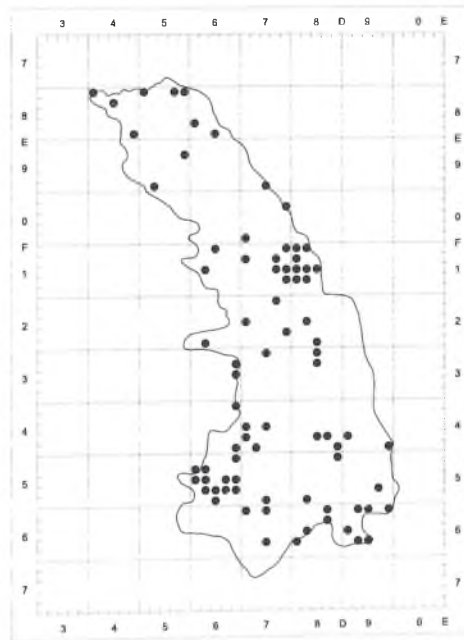
933. * *Parietaria officinalis* L.



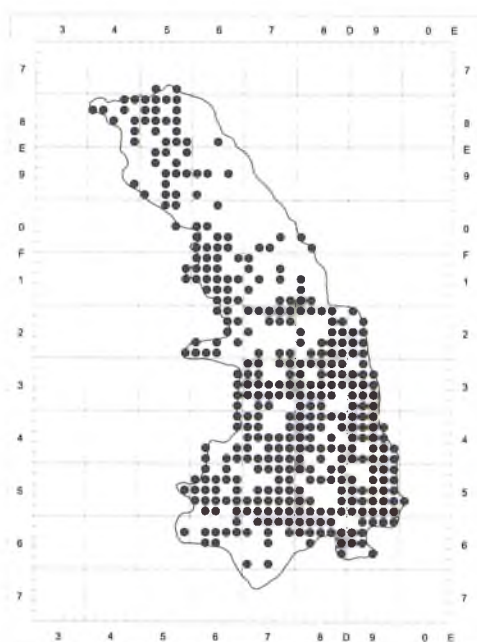
934. *Paris quadrifolia* L.



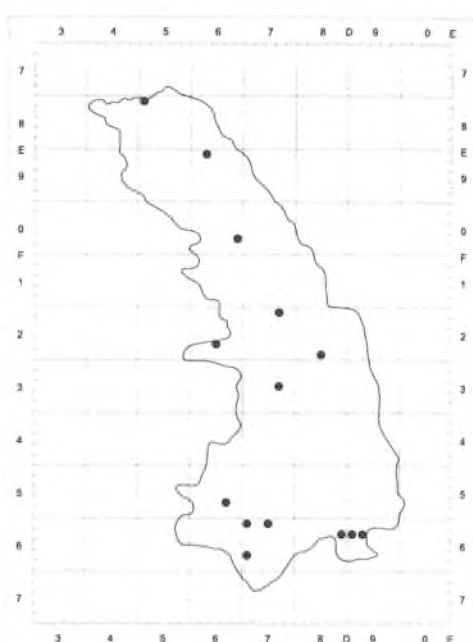
935. *Parnassia palustris* L.



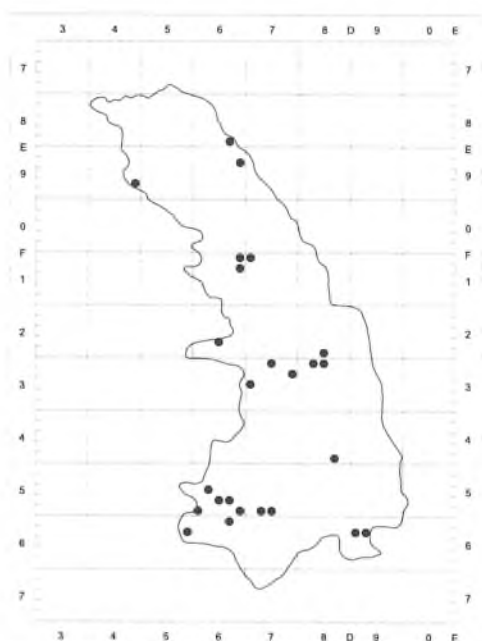
936. ** *Parthenocissus inserta*
(A. Kern.) Fritsch



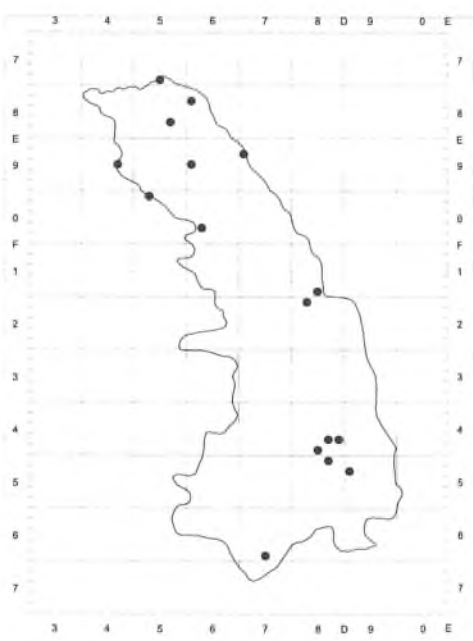
937. * *Pastinaca sativa* L. s. str.



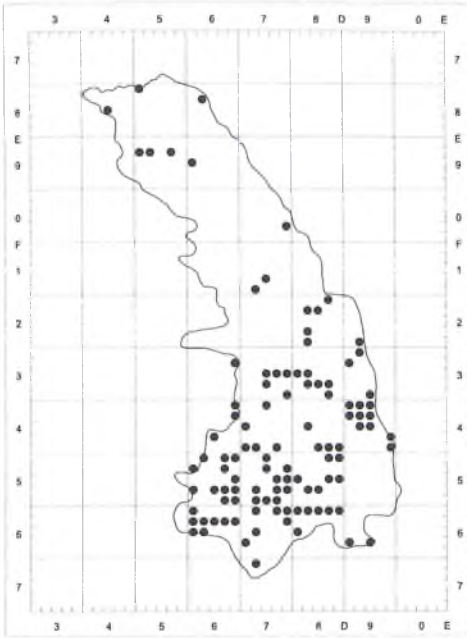
938. *Pedicularis palustris* L.



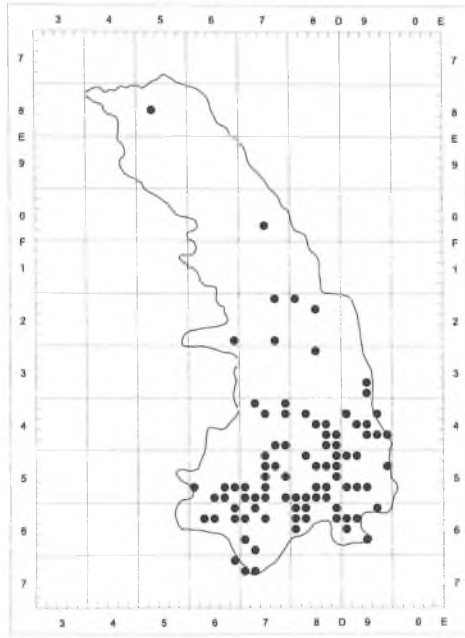
939. *Pedicularis sylvatica* L.



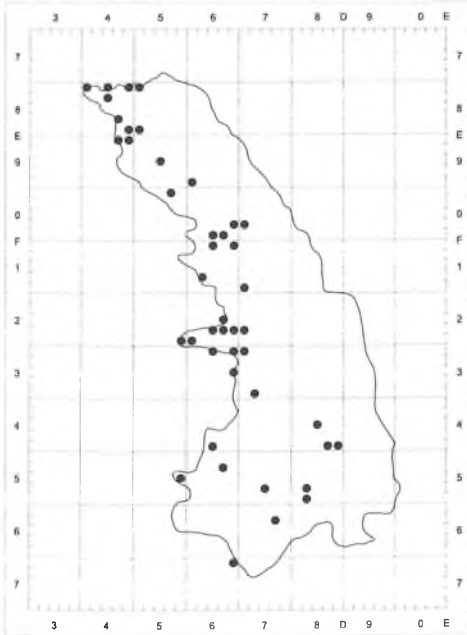
940. *Peplis portula* L.



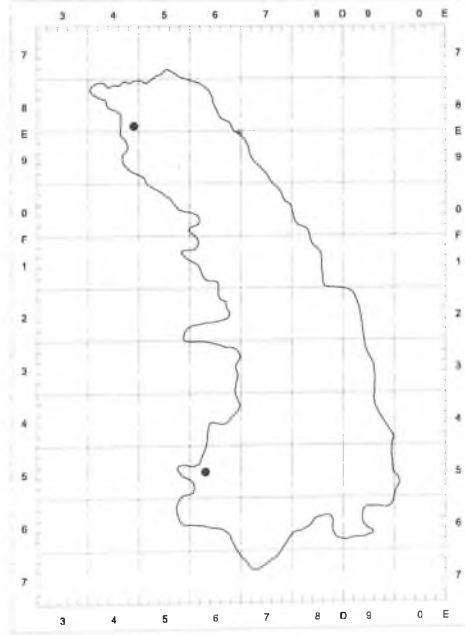
941. *Petasites albus* (L.) Gaertn.



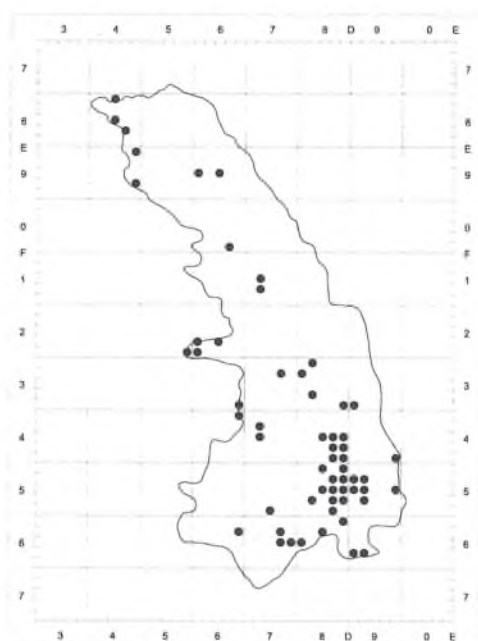
942. *Petasites hybridus* (L.)
P. Gaertn., B. Mey. & Scherb.



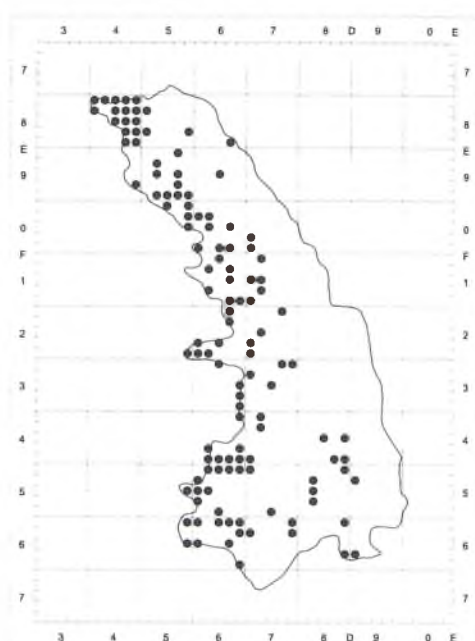
943. *Petrorhagia prolifera* (L.)
P. W. Ball & Heywood



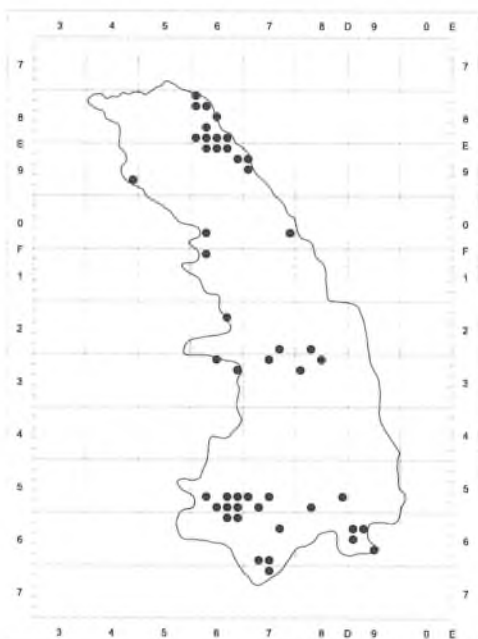
944. ** *Petrorhagia saxifraga* (L.) Link



945. *Peucedanum cervaria* (L.) Lapeyr.



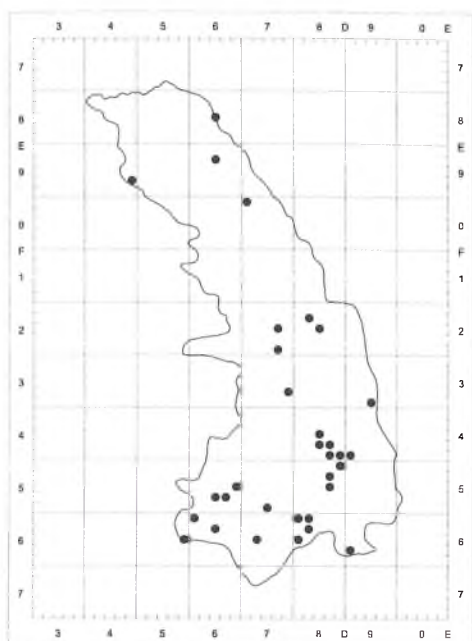
946. *Peucedanum oreoselinum* (L.) Moench



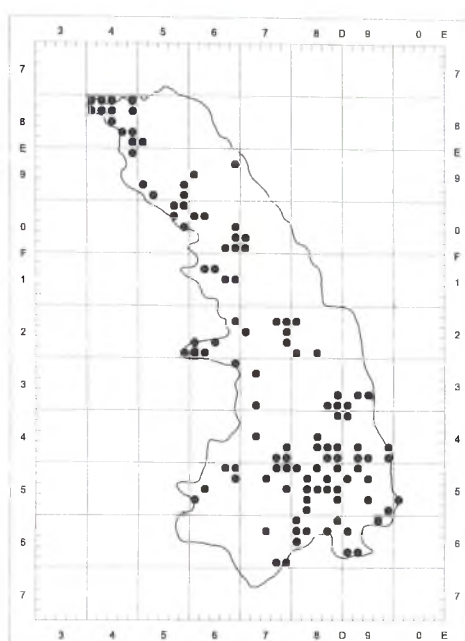
947. *Peucedanum palustre* (L.) Moench



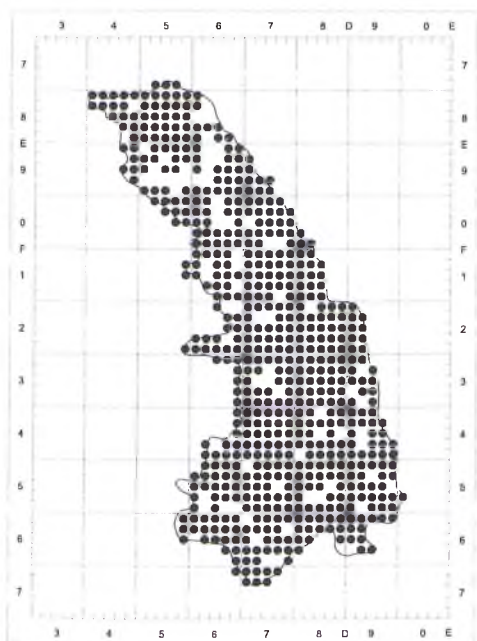
948. *Phalaris arundinacea* L.



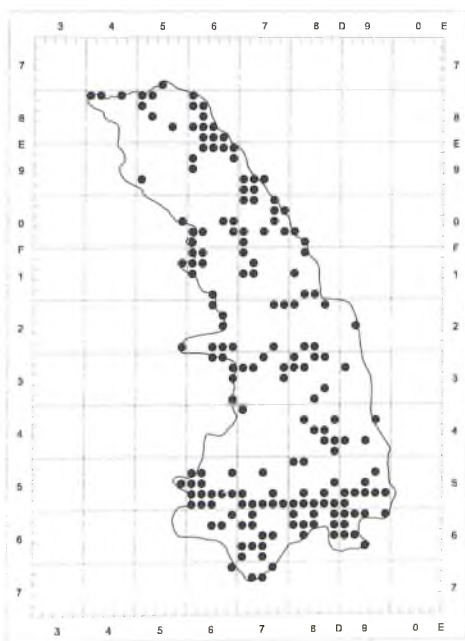
949. *Phegopteris connectilis* (Michx.)
Watt



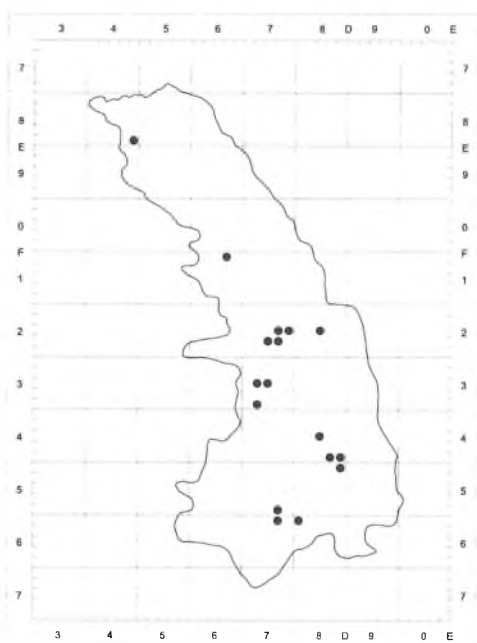
950. *Phleum phleoides* (L.) H. Karst.



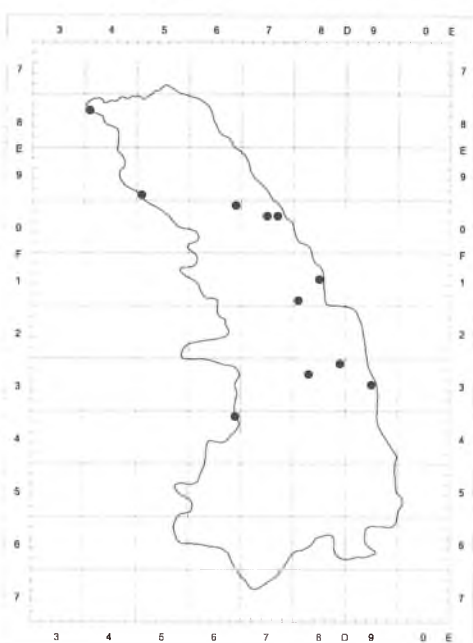
951. *Phleum pratense* L.



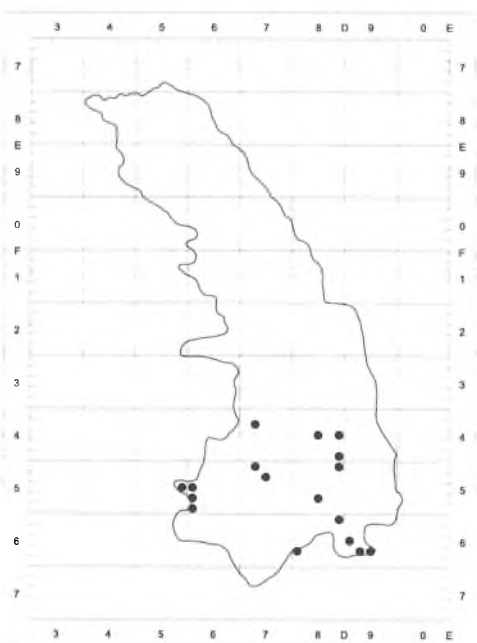
952. *Phragmites australis* (Cav.)
Trin. ex Steud.



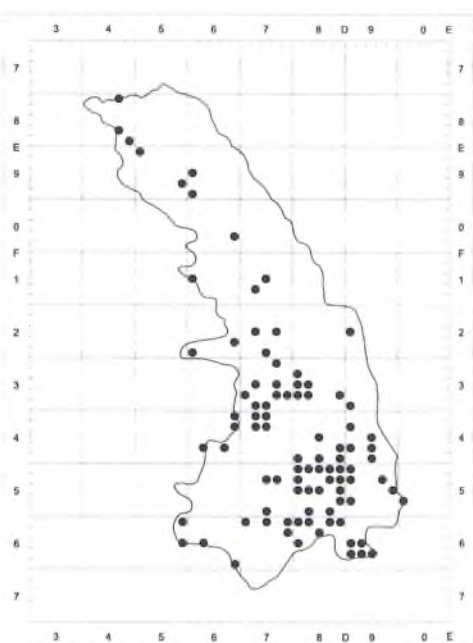
953. *Phyllitis scolopendrium* (L.)
Newman



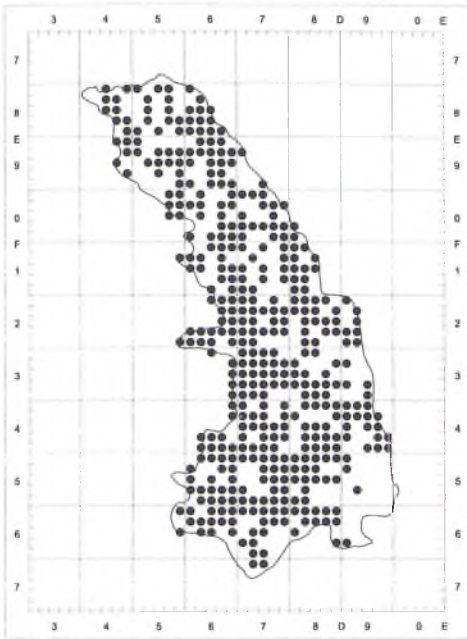
954. ** *Physalis alkekengi* L.



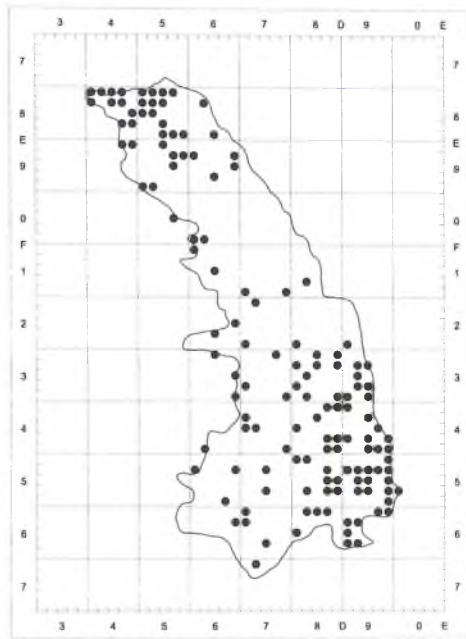
955. *Phyteuma orbiculare* L.



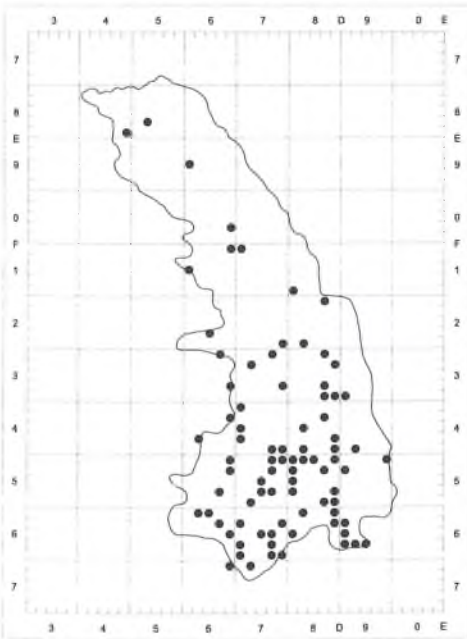
956. *Phyteuma spicatum* L.



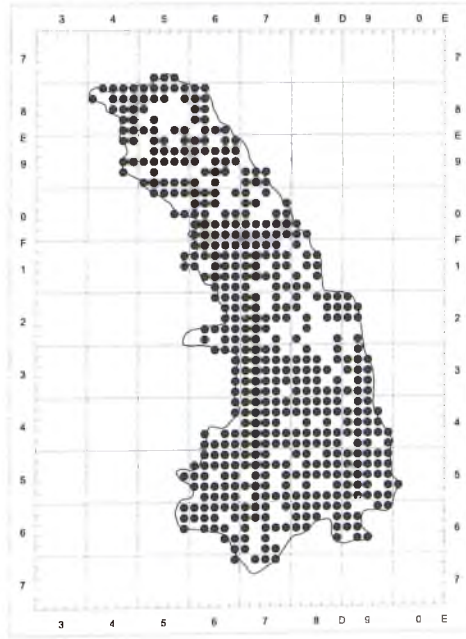
957. *Picea abies* (L.) H. Karst.



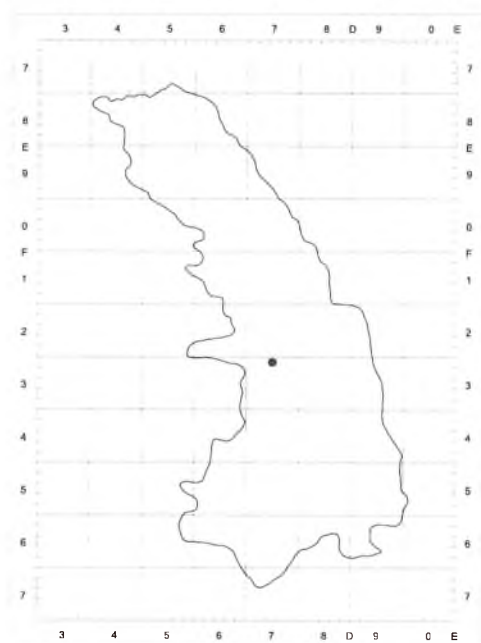
958. *Picris hieracioides* L.



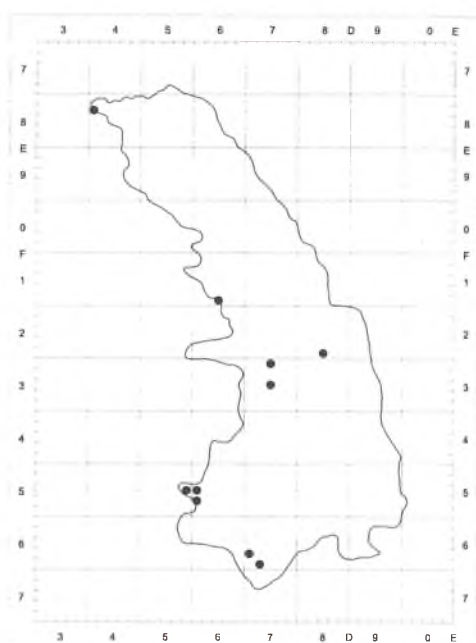
959. *Pimpinella maior* (L.) Huds.



960. *Pimpinella saxifraga* L.



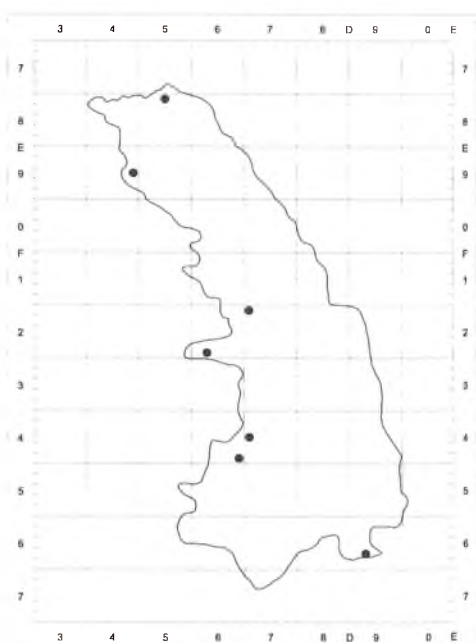
961. *Pinguicula vulgaris* L. subsp. *bicolor* (Wol.) Å. Löve & D. Löve



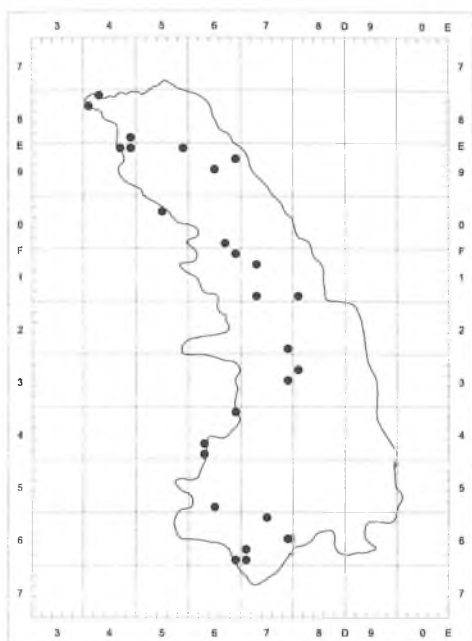
962. *Pinguicula vulgaris* L. subsp. *vulgaris*



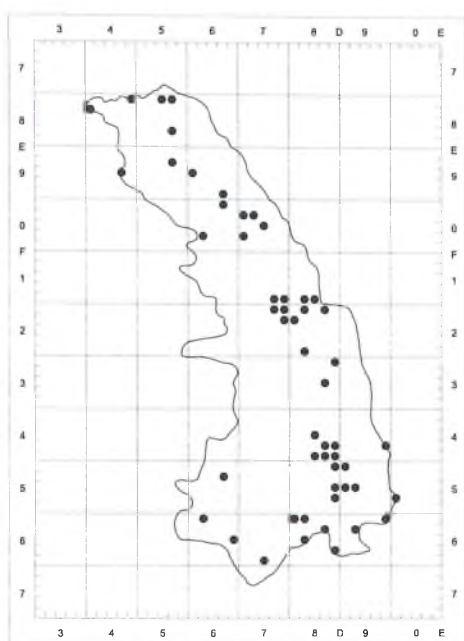
963. *Pinus sylvestris* L.



964. * *Pisum sativum* L. subsp. *arvense* (L.) Asch. & Graebn.



965. *Plantago arenaria* Waldst. & Kit.



966. *Plantago intermedia* Gilib.



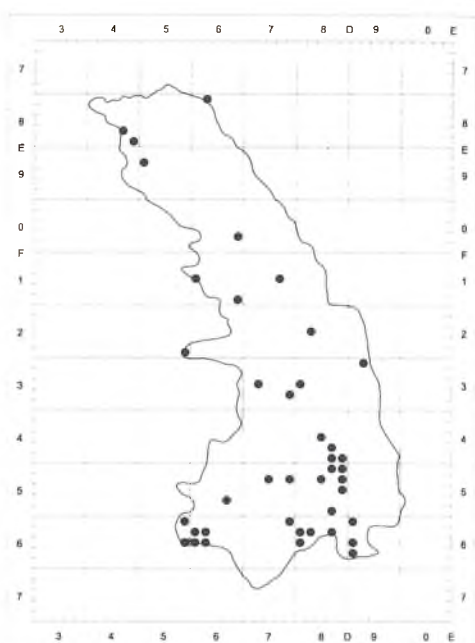
967. *Plantago lanceolata* L.



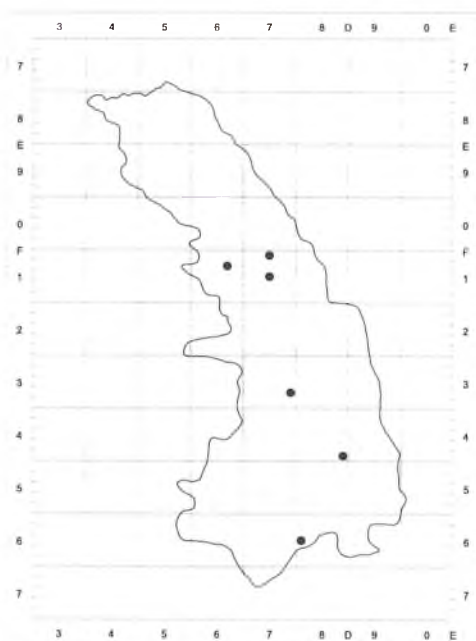
968. *Plantago major* L. s. str.



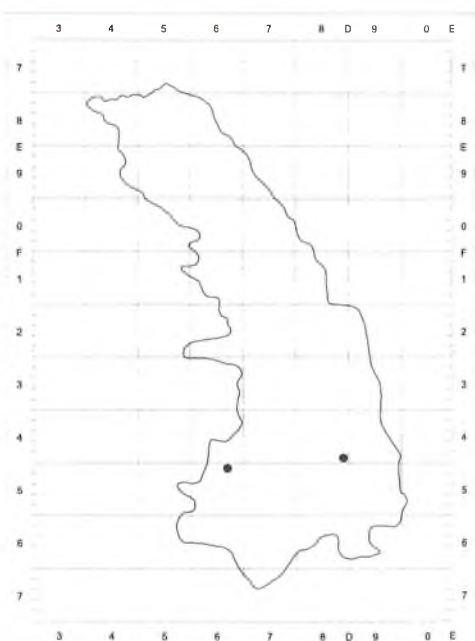
969. *Plantago media* L.



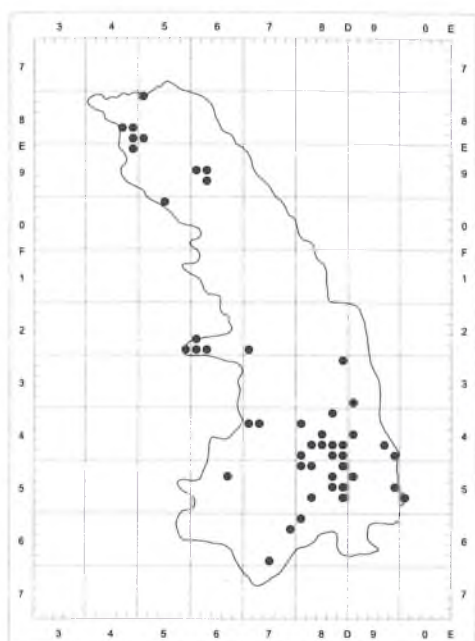
970. *Platanthera bifolia* (L.) Rich.



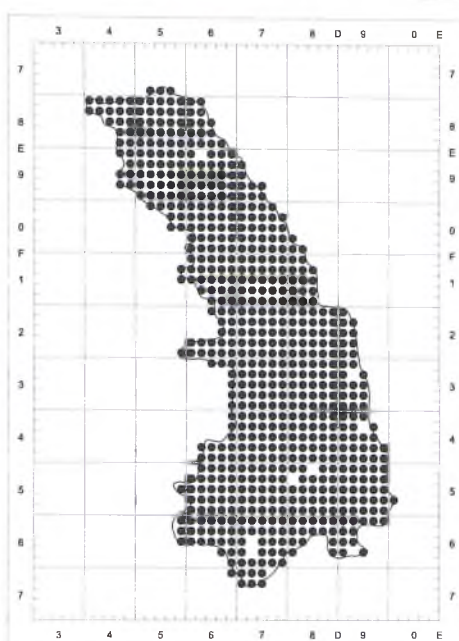
971. *Platanthera chlorantha* (Custer) Rchb.



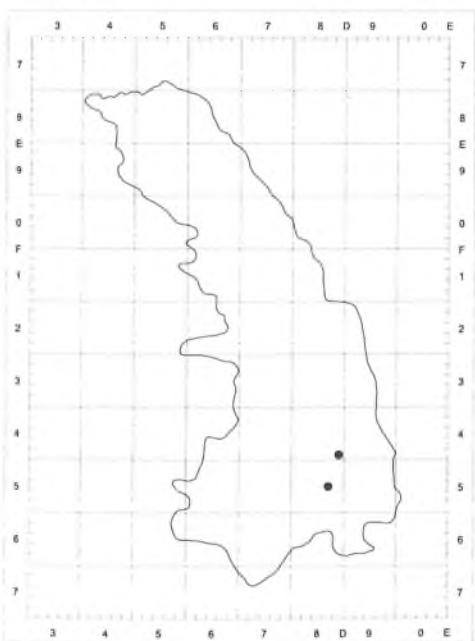
972. *Pleurospermum austriacum* (L.) Hoffm.



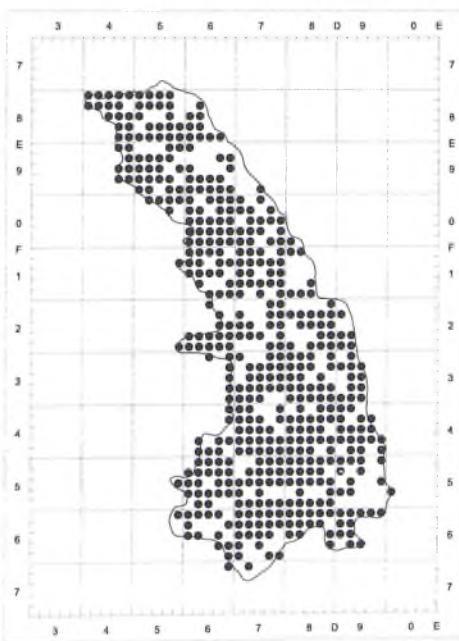
973. *Poa angustifolia* L.



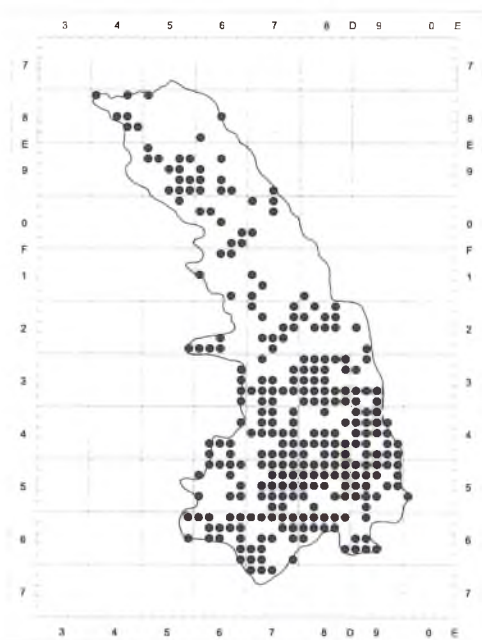
974. *Poa annua* L.



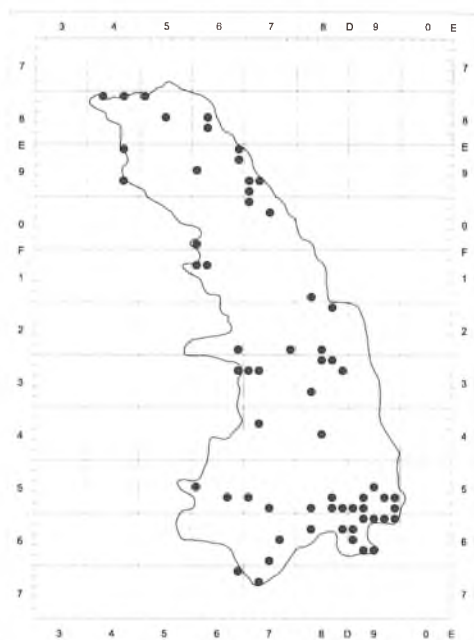
975. *Poa bulbosa* L.



976. *Poa compressa* L.



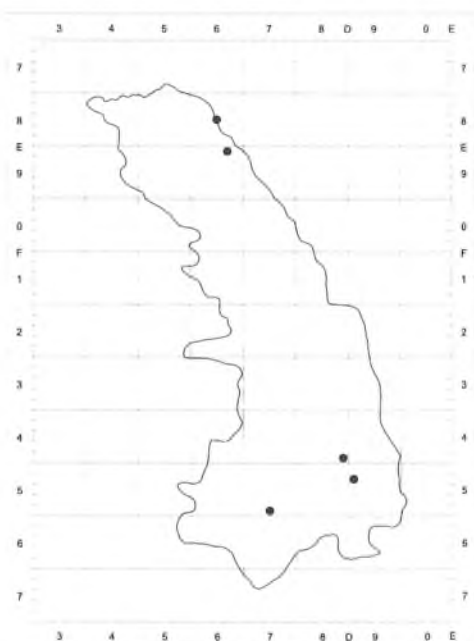
977. *Poa nemoralis* L.



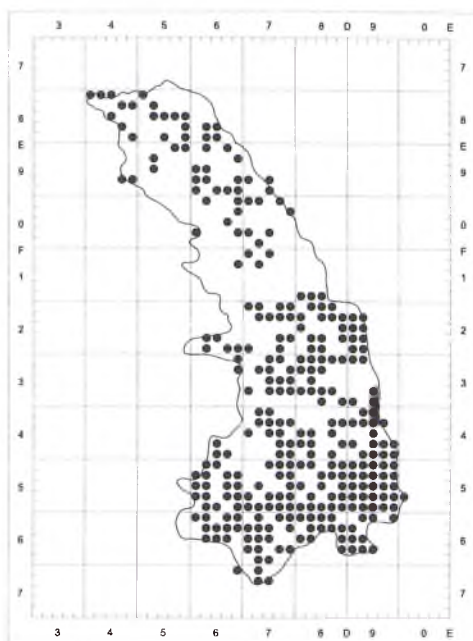
978. *Poa palustris* L.



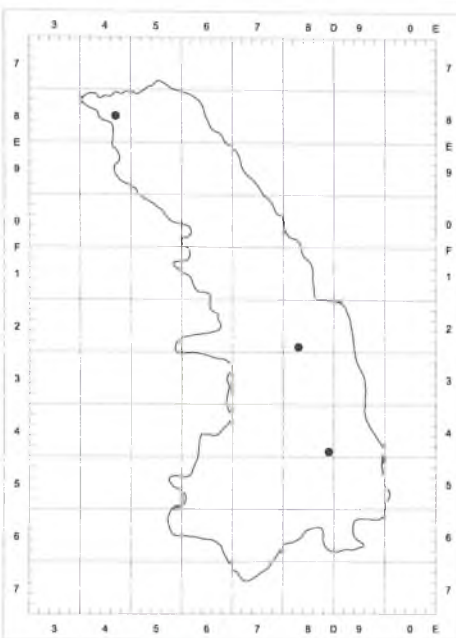
979. *Poa pratensis* L. s. str.



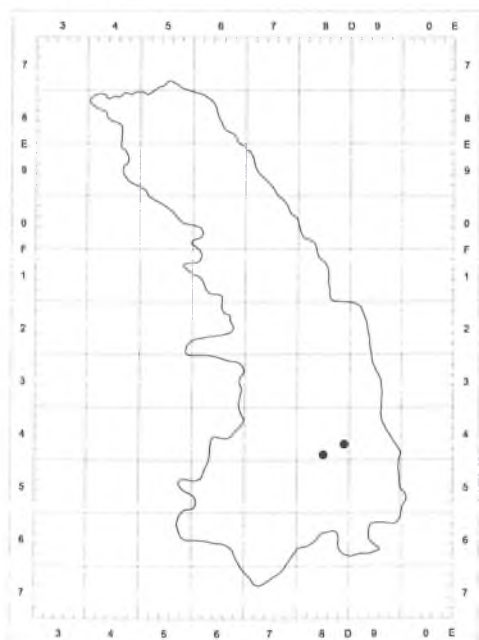
980. *Poa remota* Forsk.



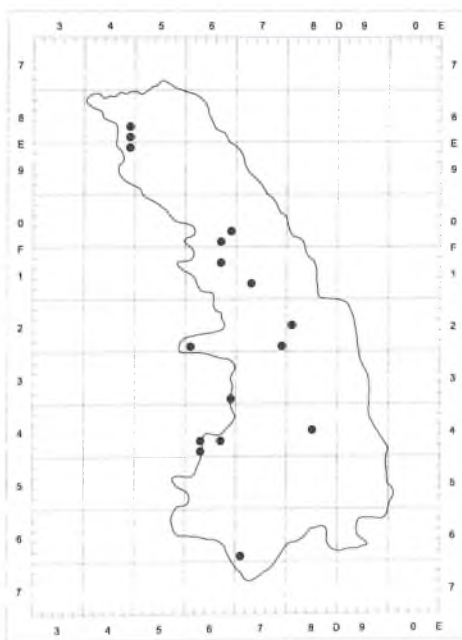
981. *Poa trivialis* L.



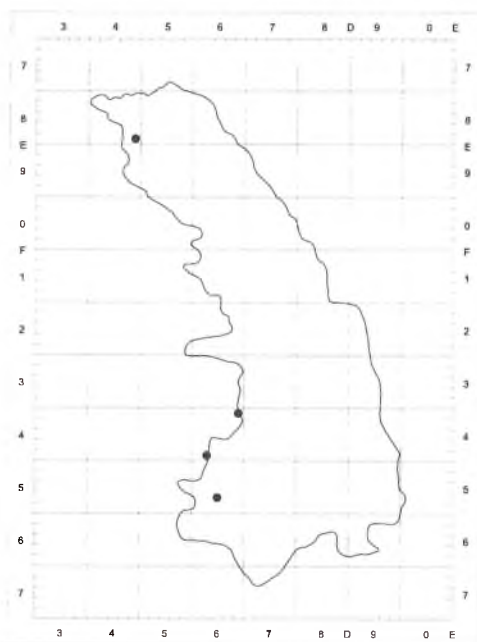
982. Δ *Polemonium coeruleum* L.



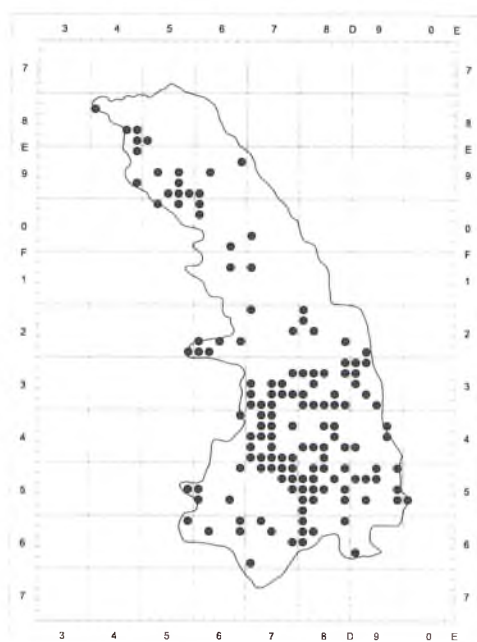
983. *Polycnemum arvense* L.



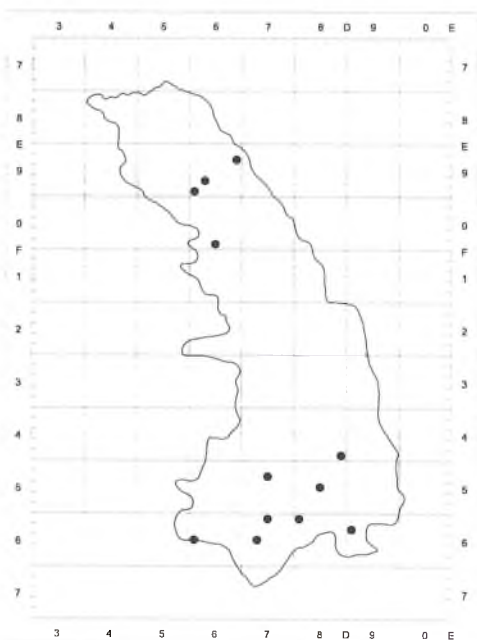
984. *Polygala amara* L.
brachyptera (Chodat) Hayek



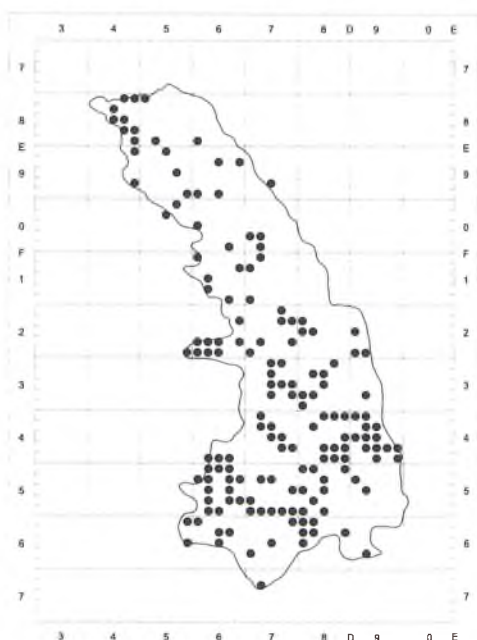
985. *Polygala amarella* Crantz



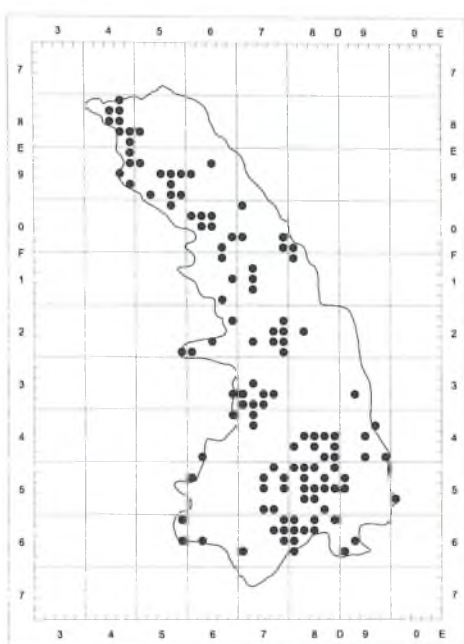
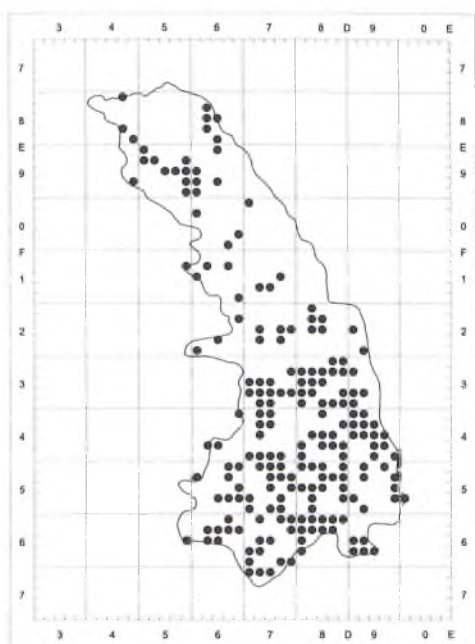
986. *Polygala comosa* Schkuhr



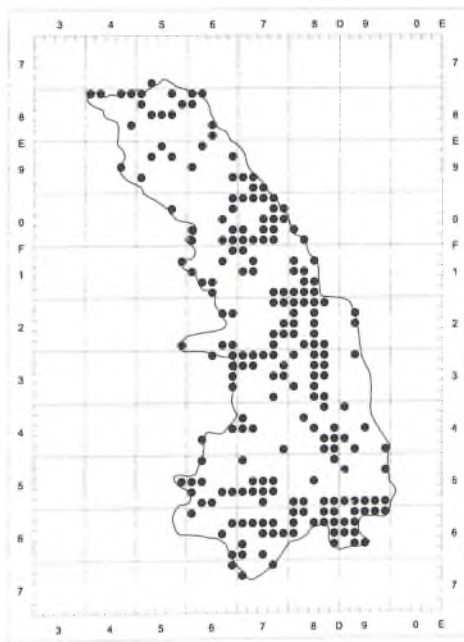
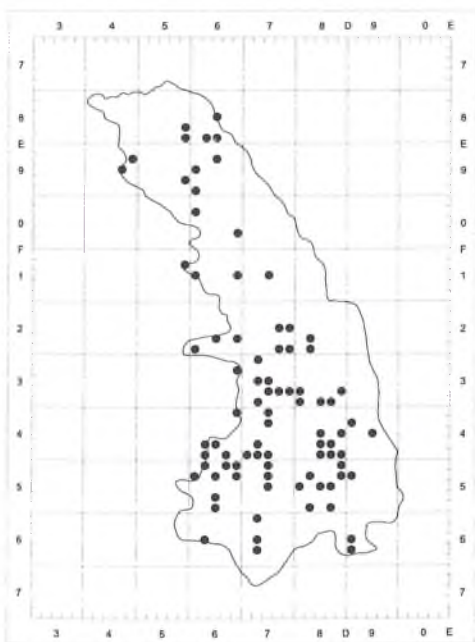
987. *Polygala oxyptera* Rchb.



988. *Polygala vulgaris* L. s. str.



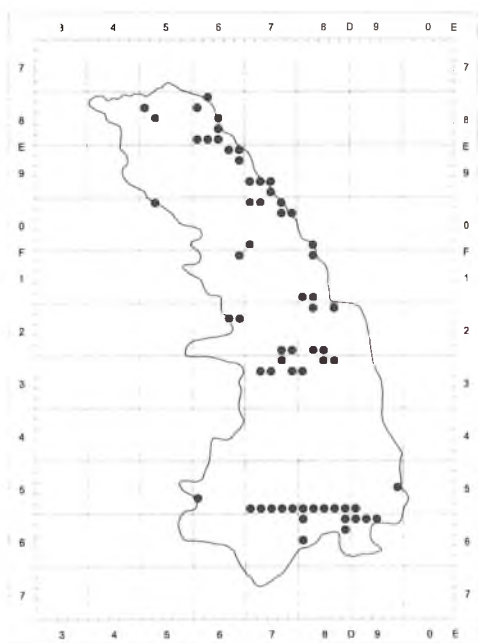
989. *Polygonatum multibrum* (L.) All. 990. *Polygonatum odoratum* (Mill.)
Druce



991. *Polygonatum verticillatum* (L.) All. 992. *Polygonum amphibium* L.



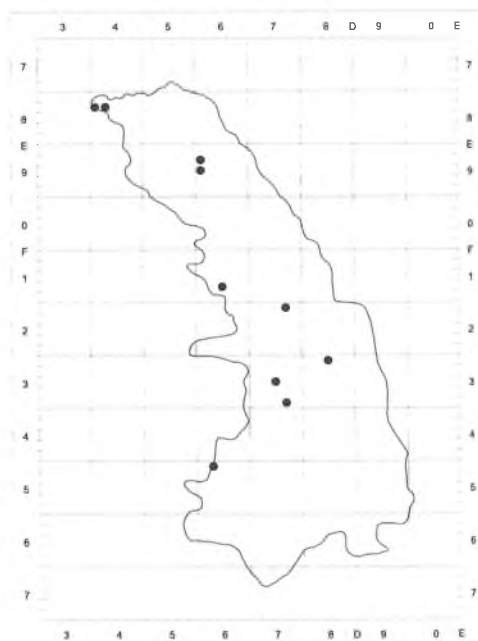
993. *Polygonum aviculare* L.



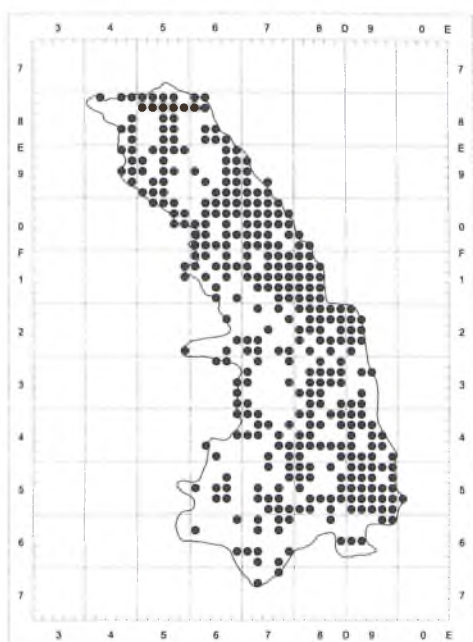
994. *Polygonum bistorta* L.



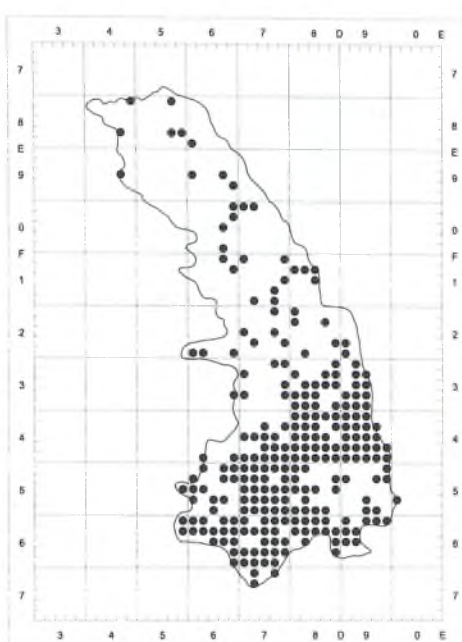
995. *Polygonum hydropiper* L.



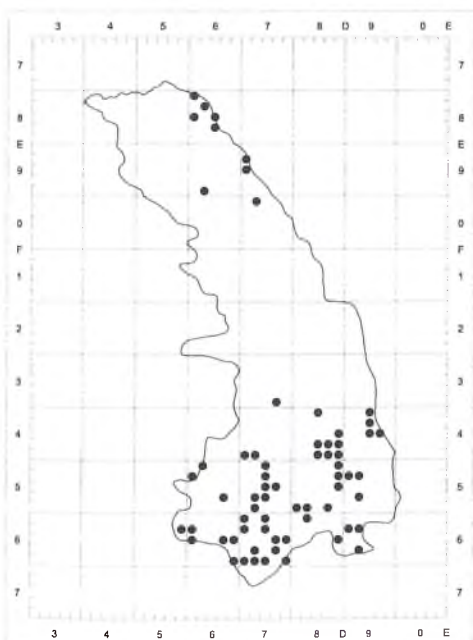
996. *Polygonum lapathifolium* L.
subsp. *brittingeri* (Opiz) Rech. f.



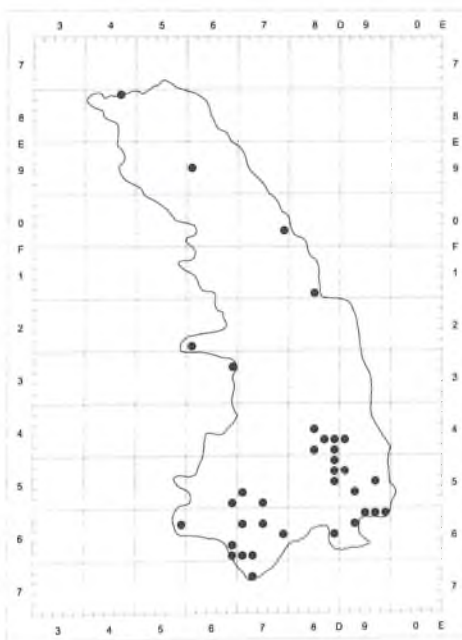
997. *Polygonum lapathifolium* L.
subsp. *lapathifolium*



998. *Polygonum lapathifolium* L.
subsp. *pallidum* (With.) Fr.



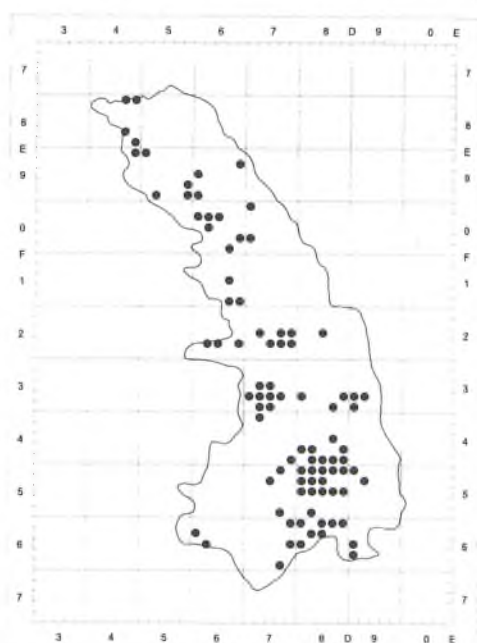
999. *Polygonum minus* Huds.



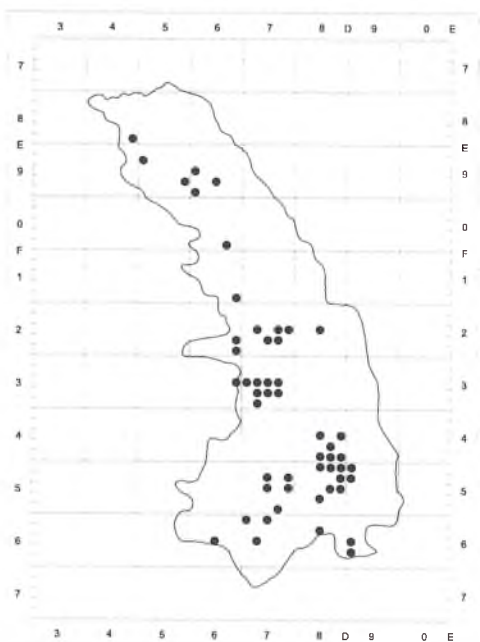
1000. *Polygonum mite* Schrank



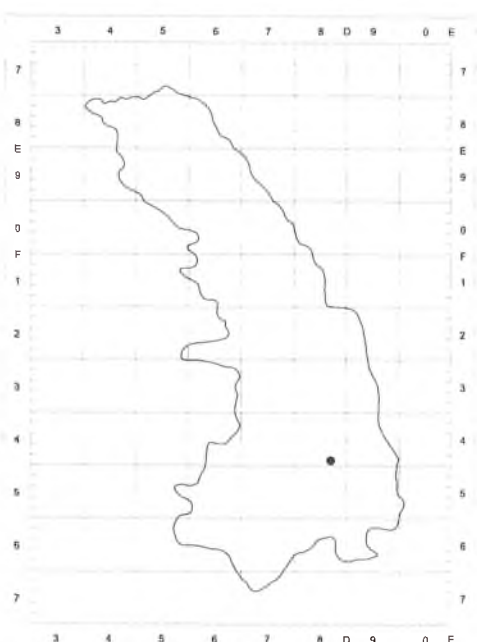
1001. *Polygonum persicaria* L.



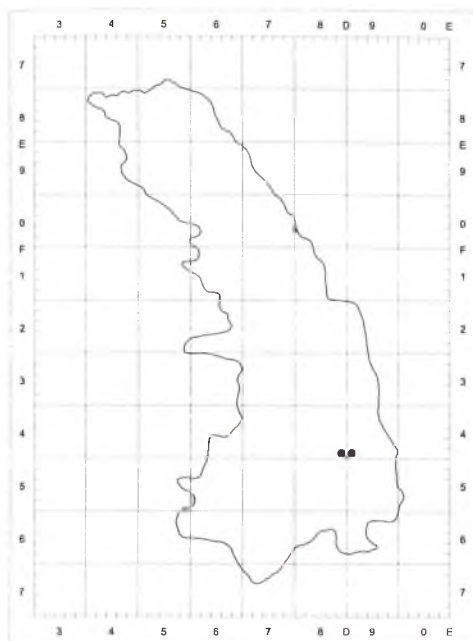
1002. *Polypodium vulgare* L.



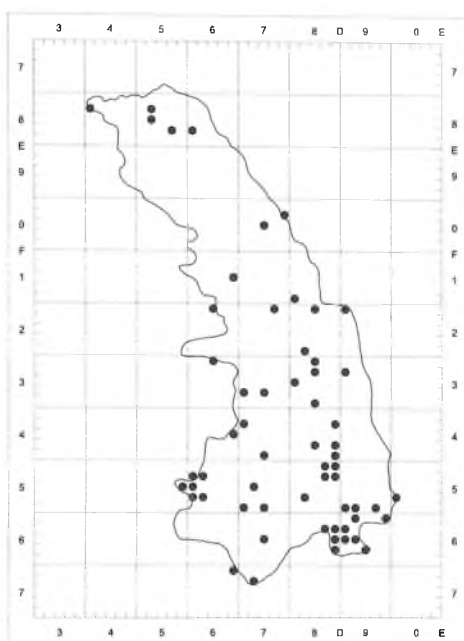
1003. *Polystichum aculeatum* (L.) Roth



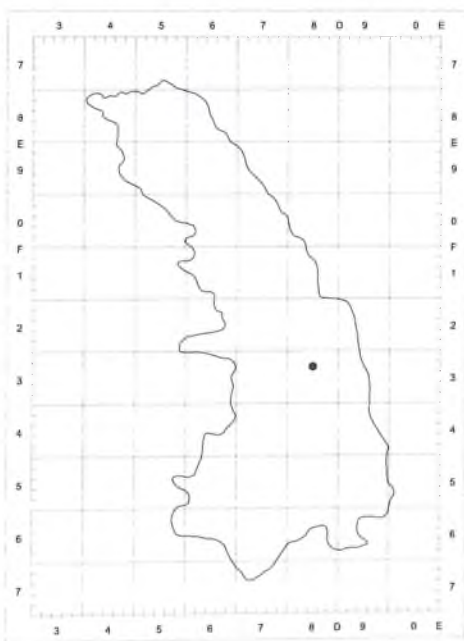
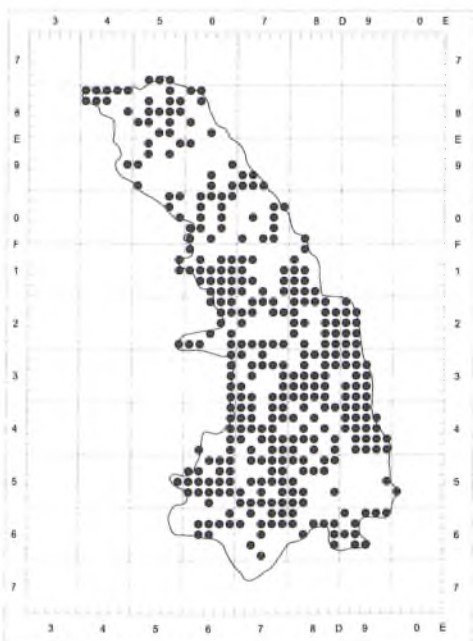
1004. *Polystichum braunii* (Spenn.) Fée



1005. *Polystichum lonchitis* (L.) Roth

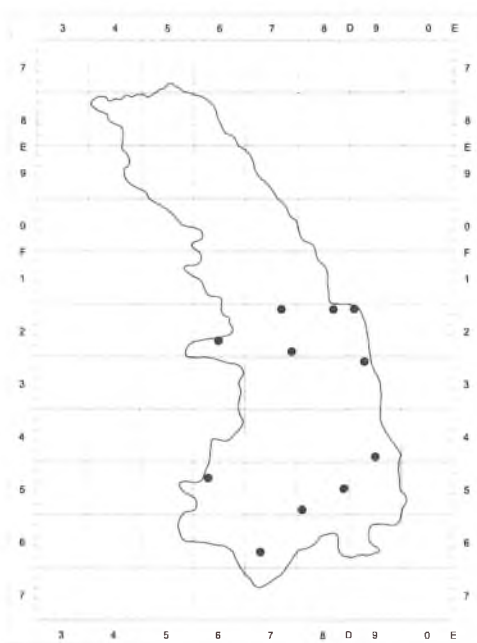


1006. *Populus alba* L.



1007. ** *Populus x canadensis* Moench

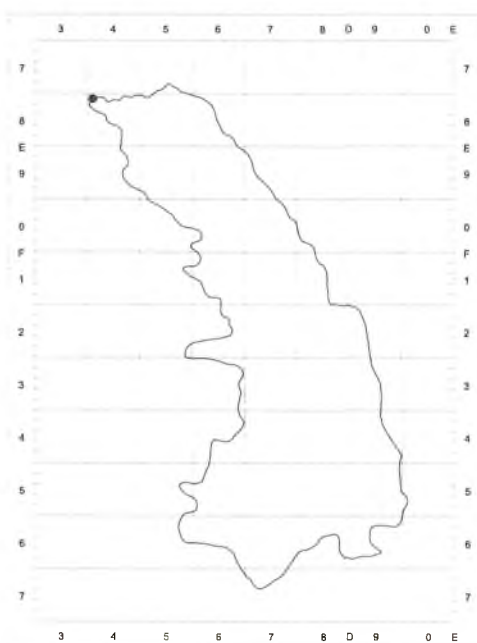
1008. *Populus x canescens* (Aiton) Sm.



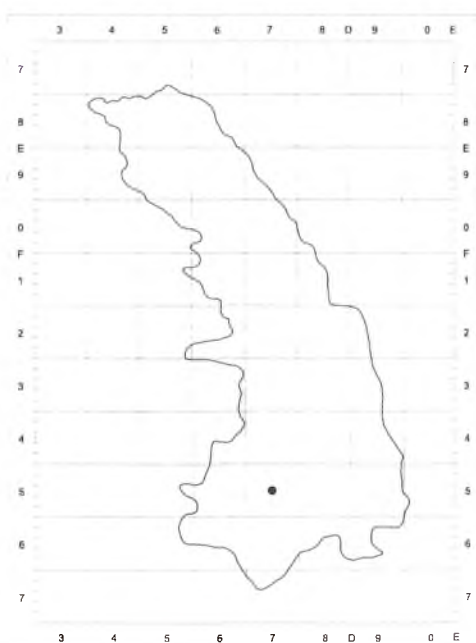
1009. *Populus nigra* L.



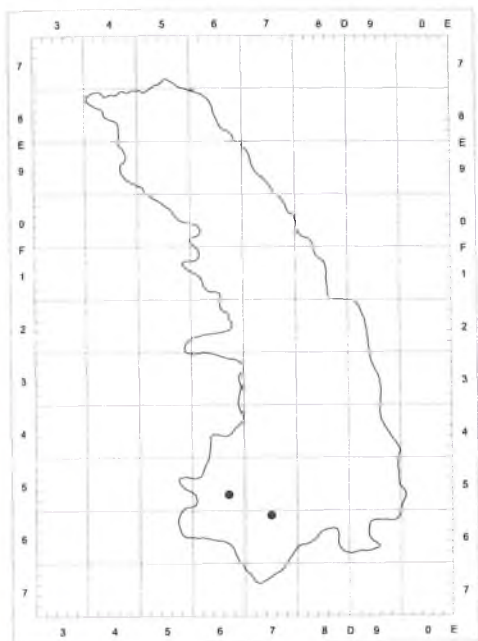
1010. *Populus tremula* L.



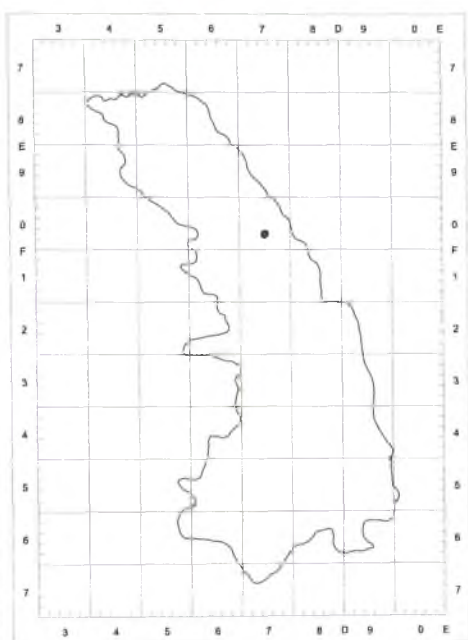
1011. ** *Portulaca oleracea* L.



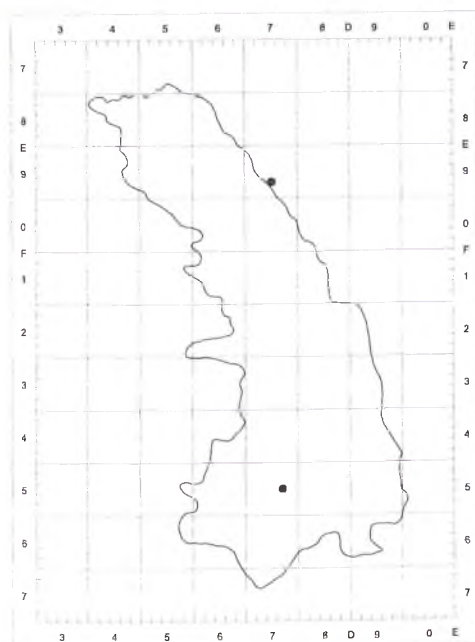
1012. + *Potamogeton acutifolius* Link



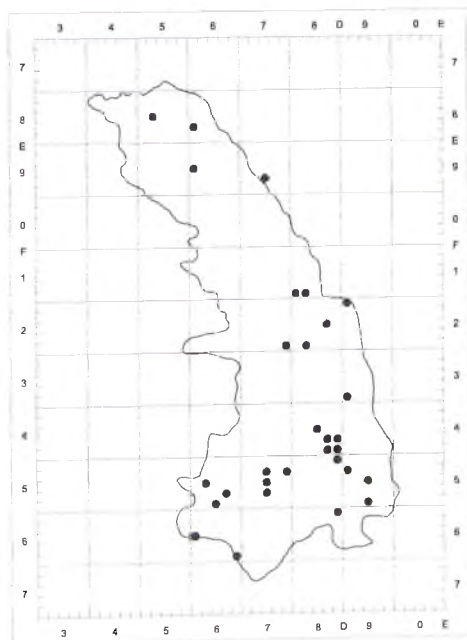
1013. *Potamogeton alpinus* Balb.



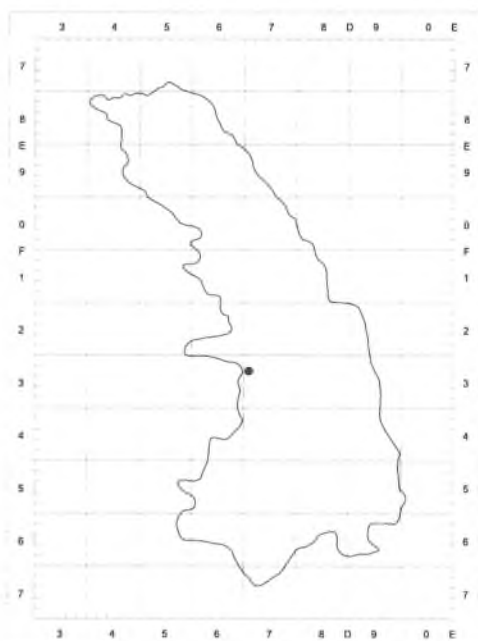
1014. *Potamogeton* $\times$ *angustifolius*
Bercht. & J. Presl



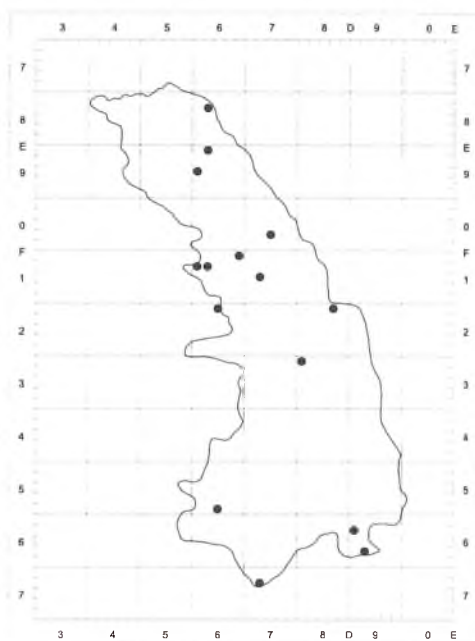
1015. *Potamogeton berchtoldii* Fieber



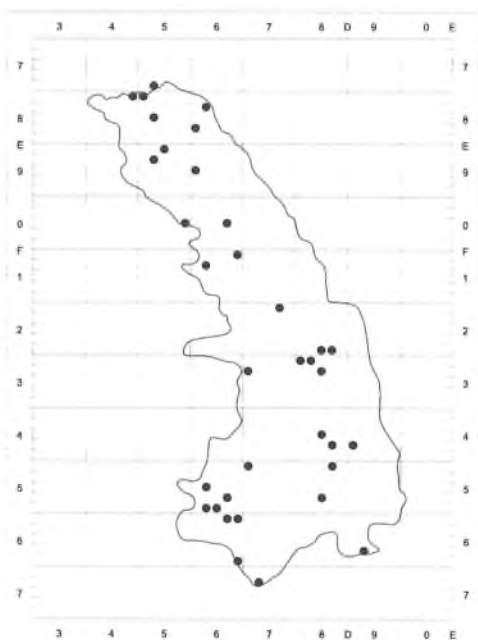
1016. *Potamogeton crispus* L.



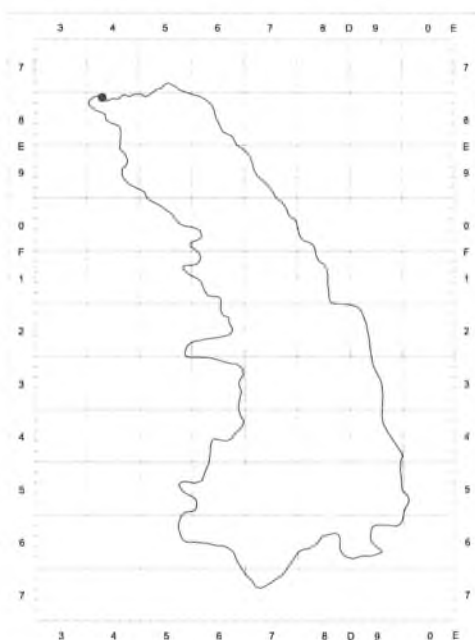
1017. *Potamogeton friesii* Rupr.



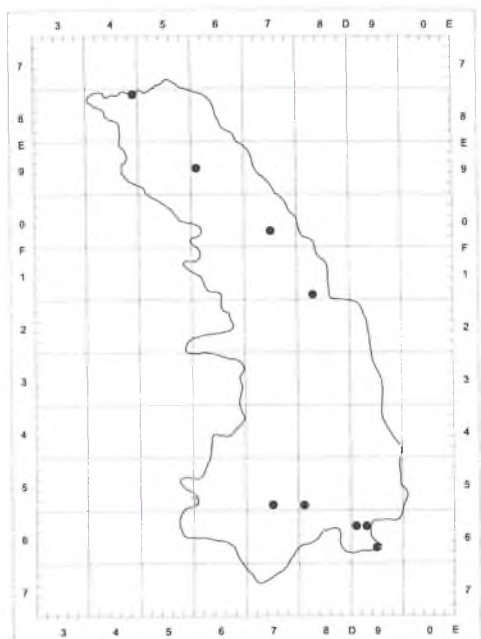
1018. *Potamogeton lucens* L.



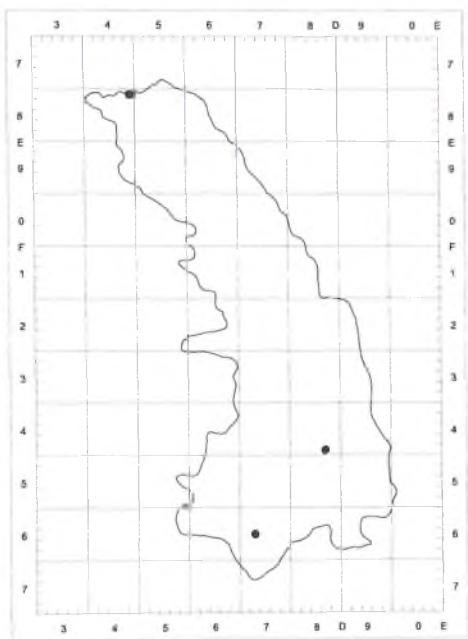
1019. *Potamogeton natans* L.



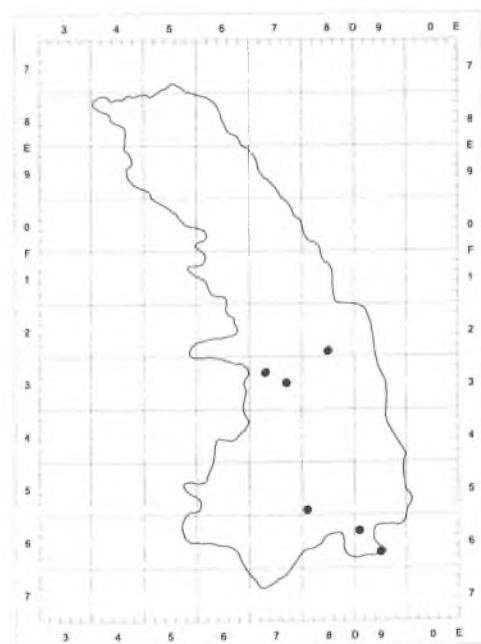
1020. + *Potamogeton nodosus* Poir.



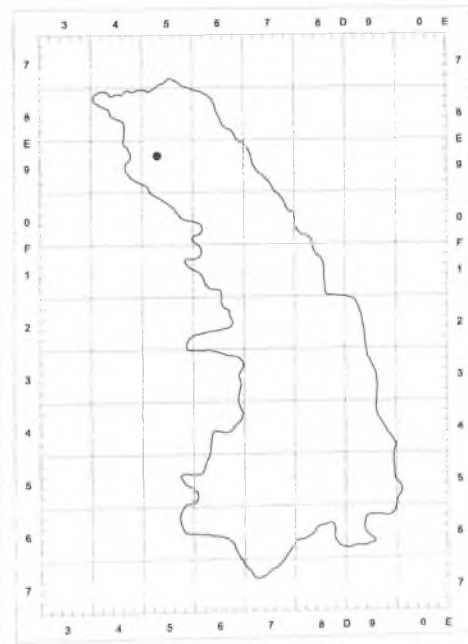
1021. *Potamogeton pectinatus* L.



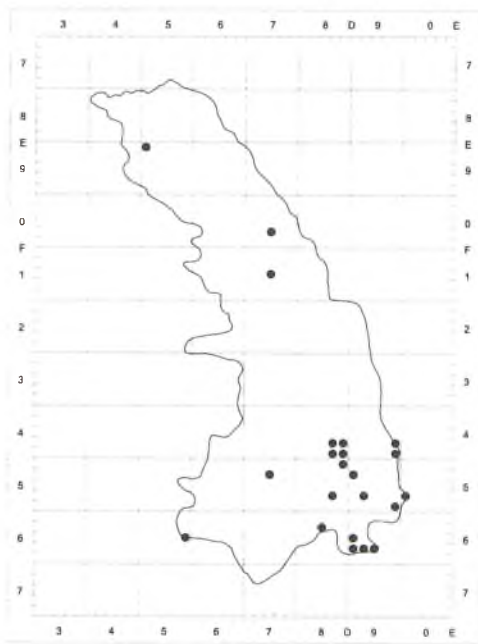
1022. *Potamogeton perfoliatus* L.



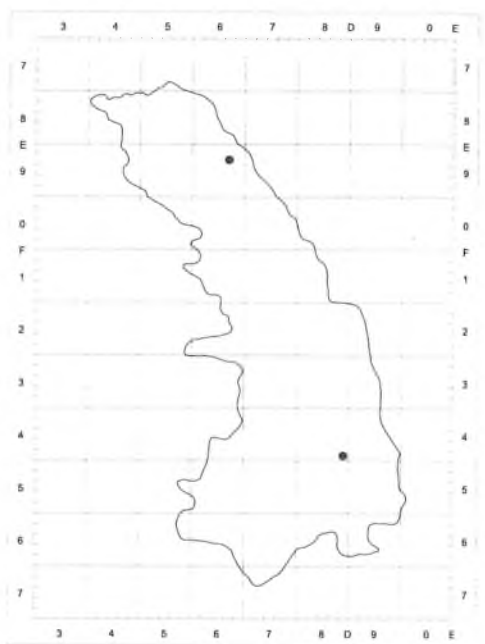
1023. *Potamogeton pusillus* L.



1024. *Potamogeton trichoides*
Cham. & Schltdl.



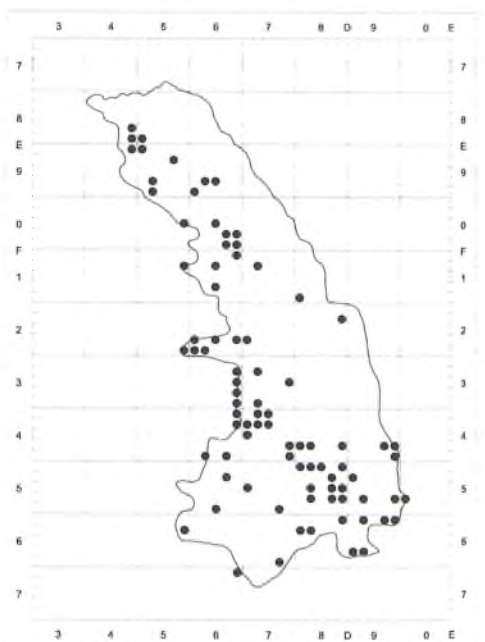
1025. *Potentilla alba* L.



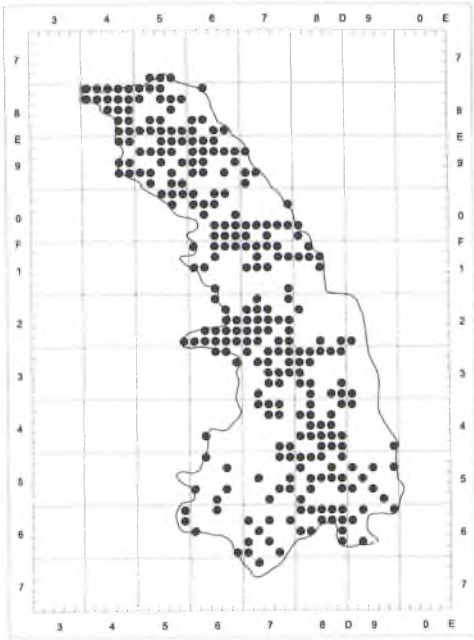
1026. *Potentilla anglica* Laichard.



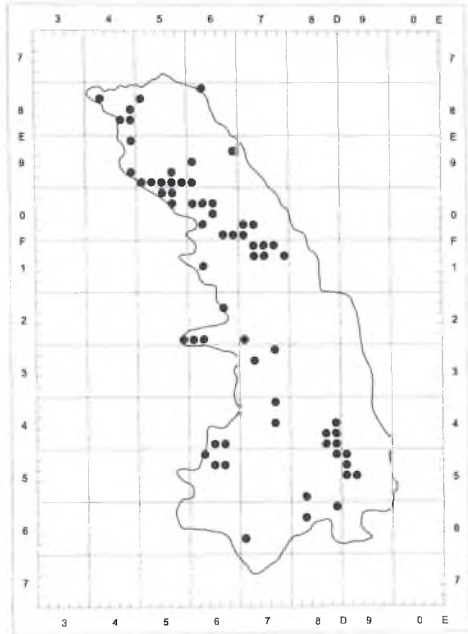
1027. *Potentilla anserina* L.



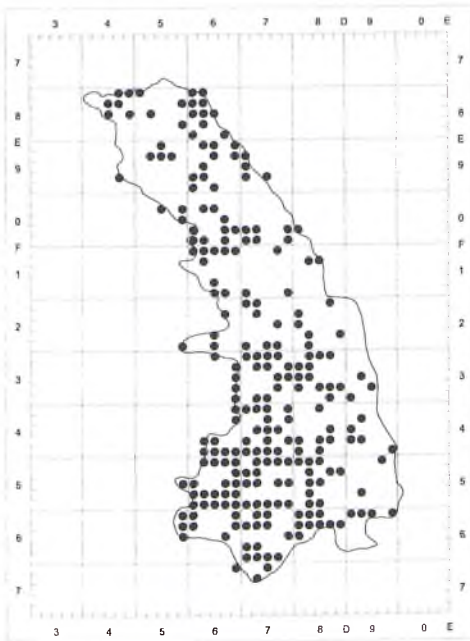
1028. *Potentilla arenaria* Borkh.



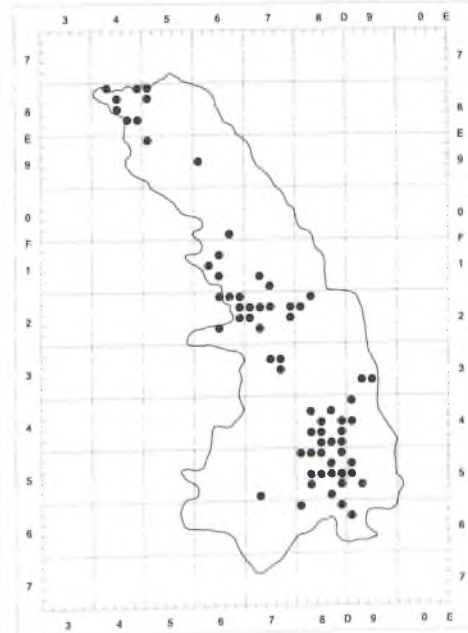
1029. *Potentilla argentea* L. s. str.



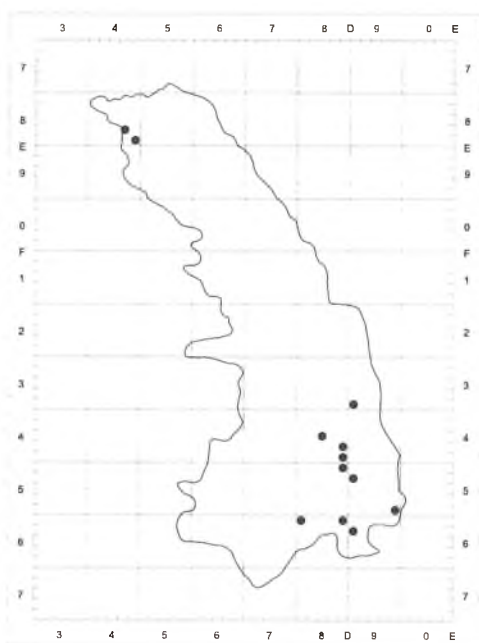
1030. *Potentilla collina* Wibel s. str.



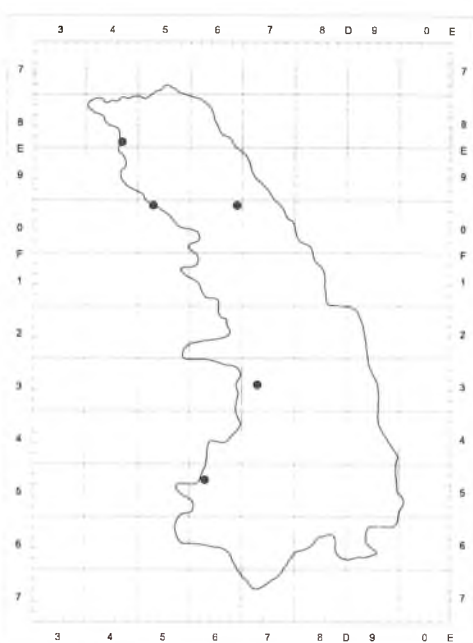
1031. *Potentilla erecta* (L.) Racusch.



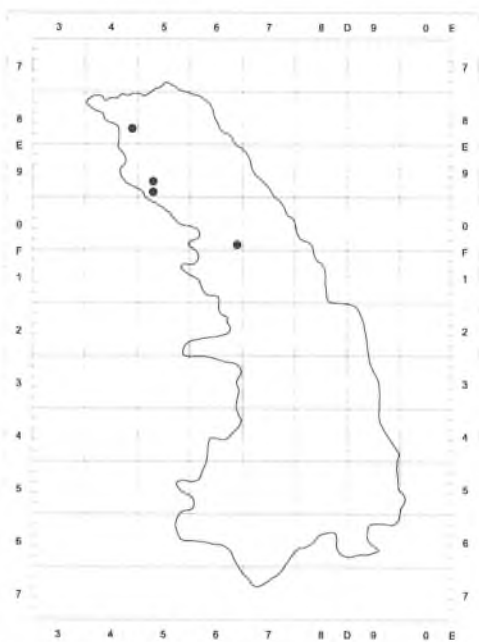
1032. *Potentilla heptaphylla* L.



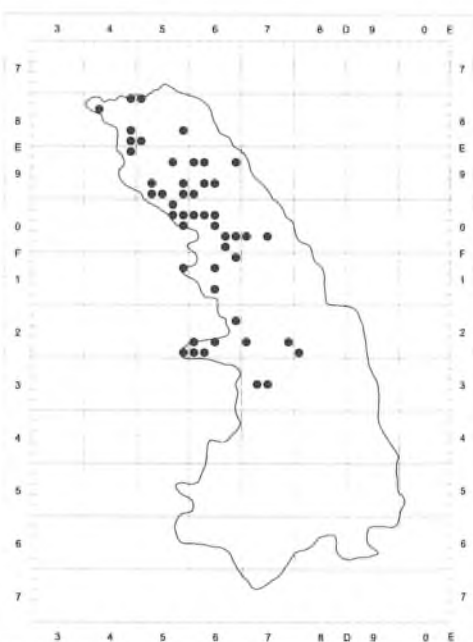
1033. *Potentilla inclinata* Vill.



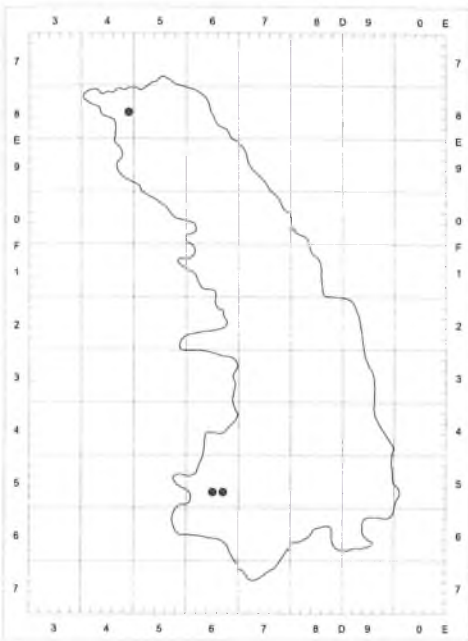
1034. ** *Potentilla intermedia* L.
non Wahlenb.



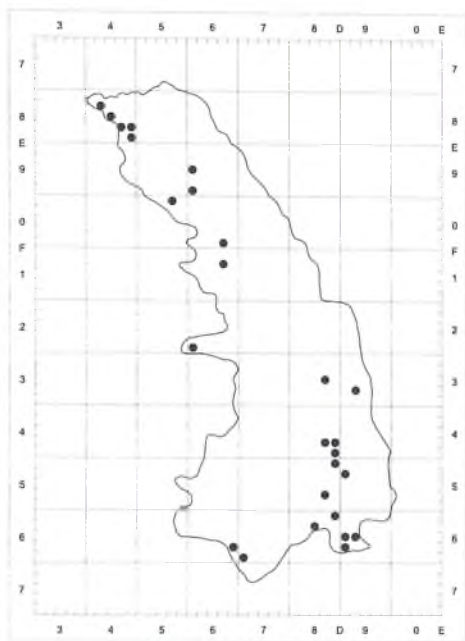
1035. *Potentilla leucopolitana*
P. J. Müll.



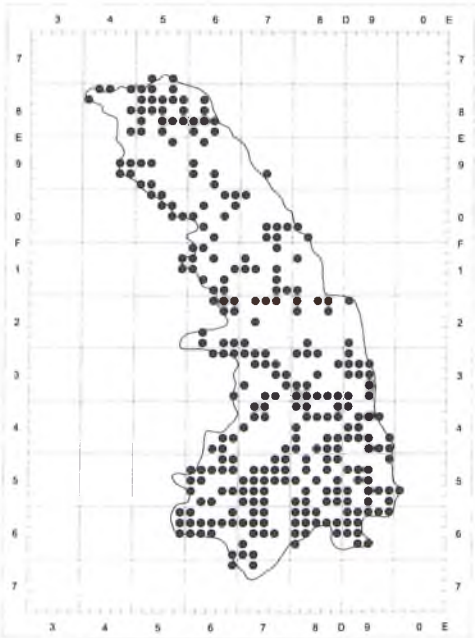
1036. *Potentilla neumanniana* Rchb.



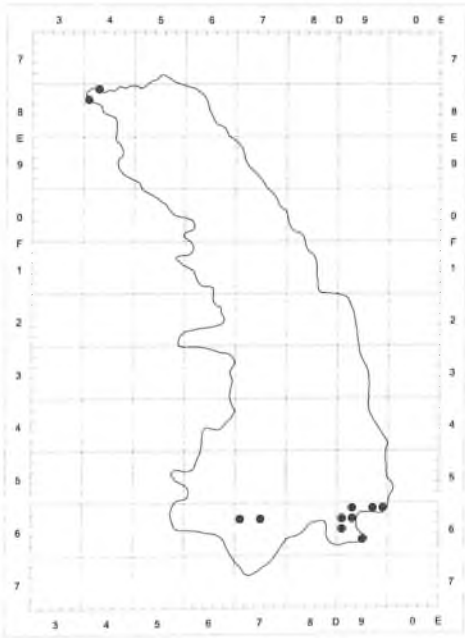
1037. *Potentilla norvegica* L.



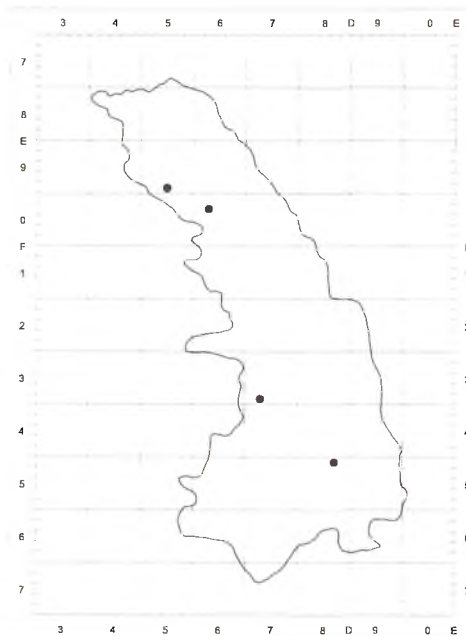
1038. *Potentilla recta* L.



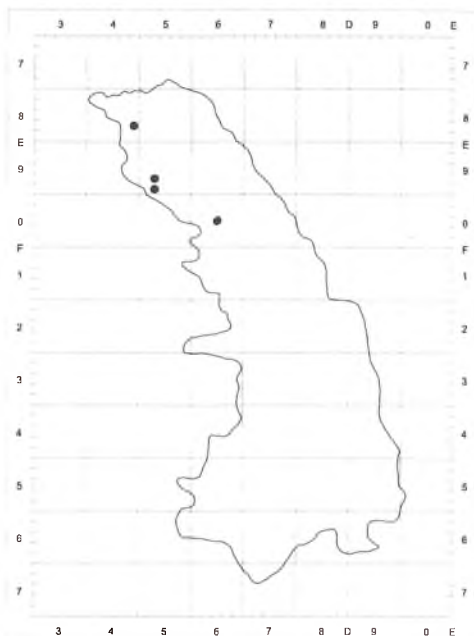
1039. *Potentilla reptans* L.



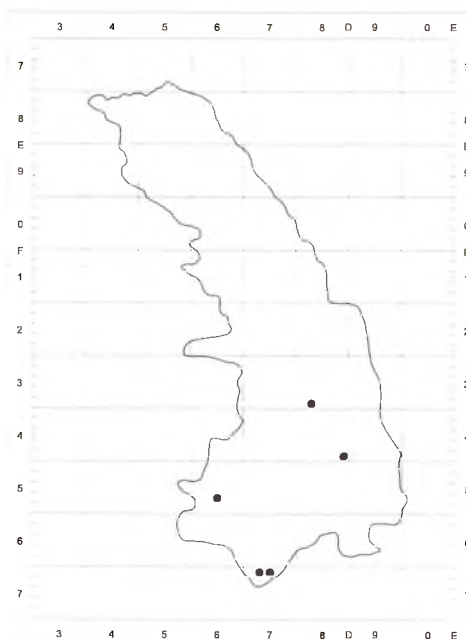
1040. *Potentilla supina* L.



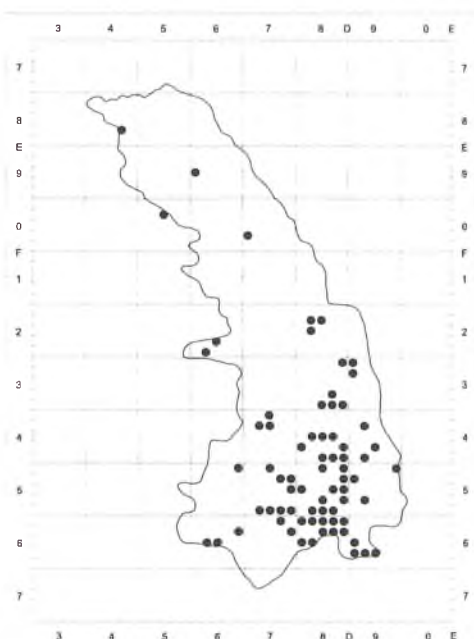
1041. *Potentilla thyrsiiflora*
Hülsen ex Zimmeter



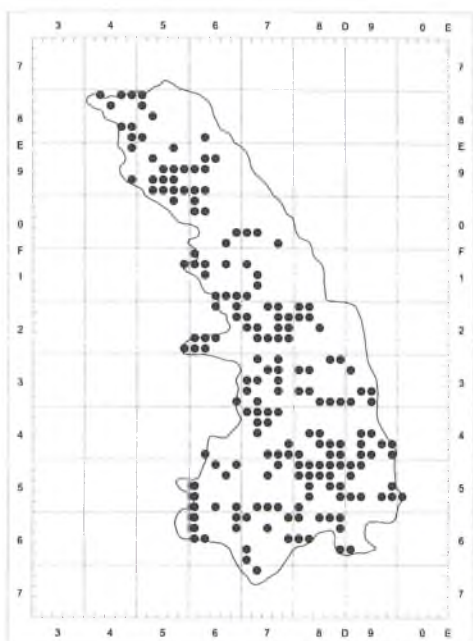
1042. *Potentilla wimanniana*
Günther & Schummel



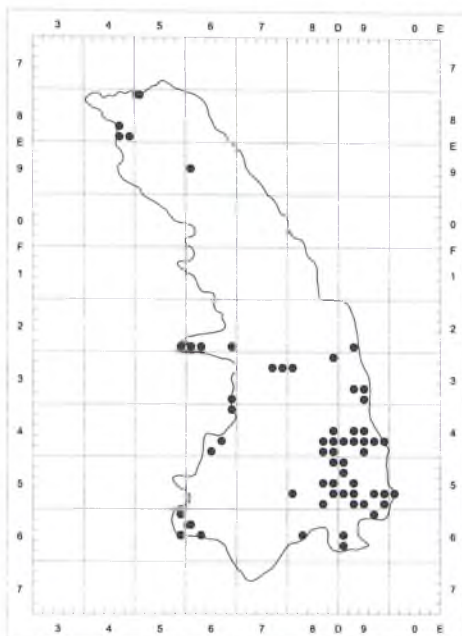
1043. *Prenanthes purpurea* L.



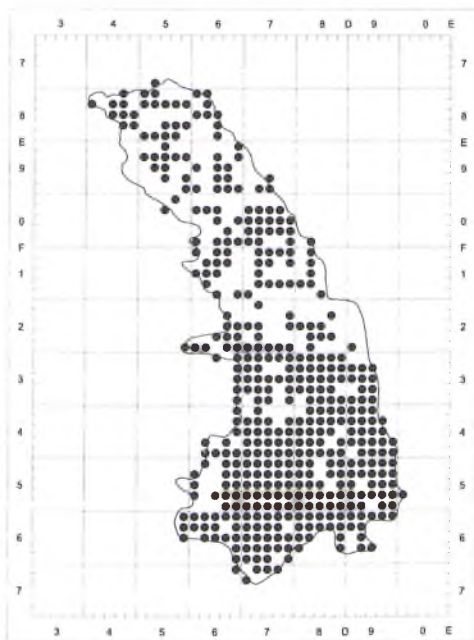
1044. *Primula elatior* (L.) Hill.



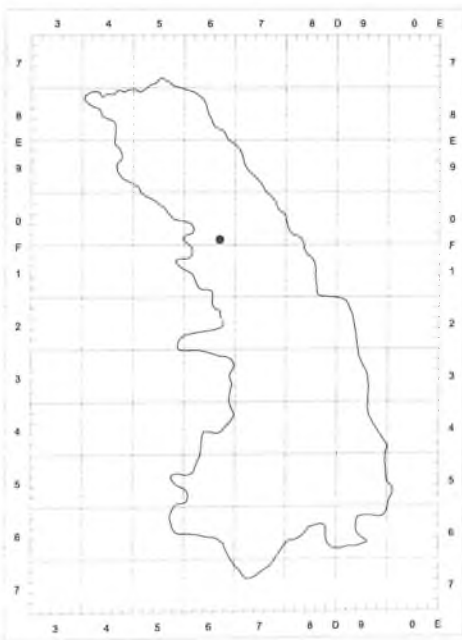
1045. *Primula veris* L.



1046. *Prunella grandiflora* (L.) Scholler



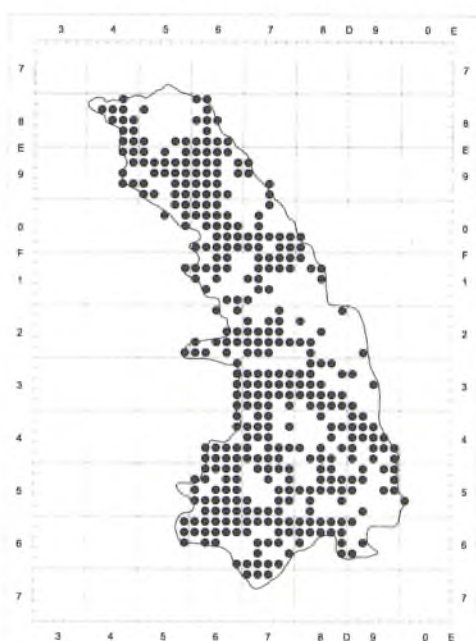
1047. *Prunella vulgaris* L.



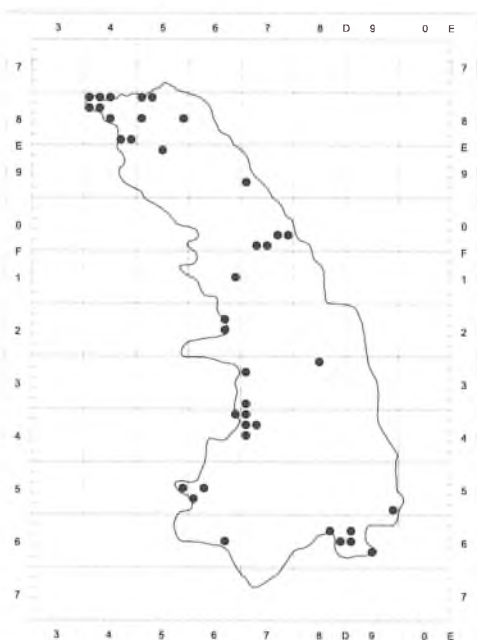
1048. ** *Prunus cerasifera* Ehrh.



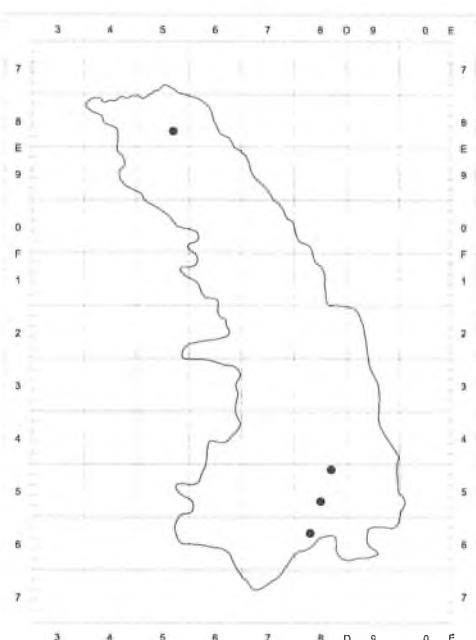
1049. *Prunus spinosa* L.



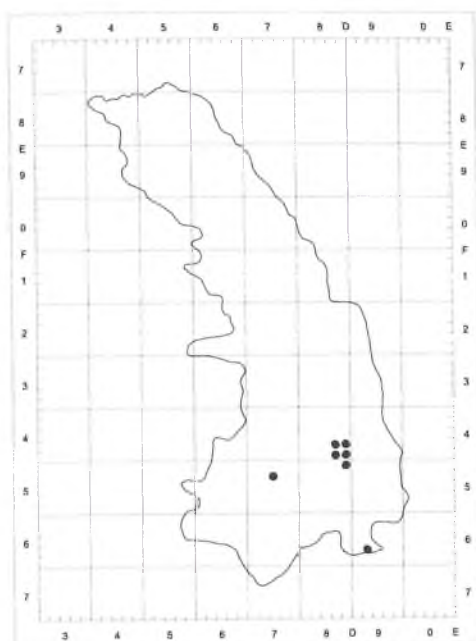
1050. *Pteridium aquilinum* (L.) Kuhn



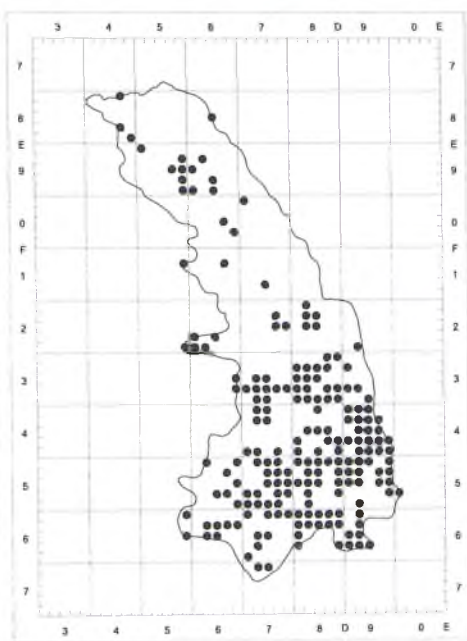
1051. *Puccinellia distans* (Jacq.) Parl.



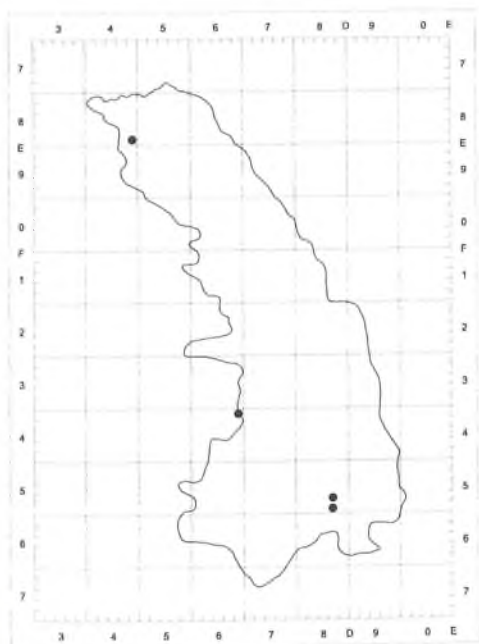
1052. *Pulicaria vulgaris* Gaertn.



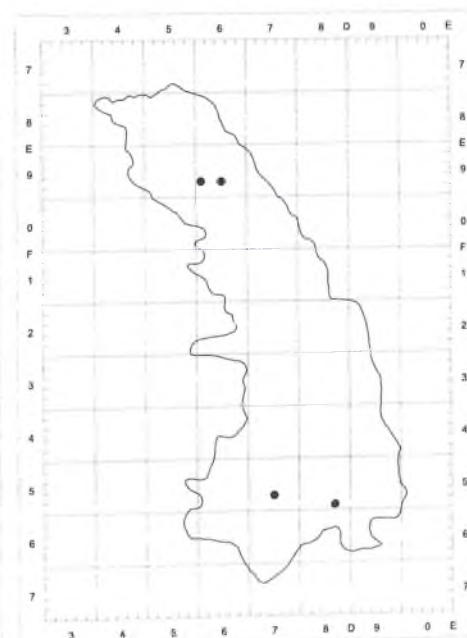
1053. *Pulmonaria mollis*
Wulfen ex A. Kern.



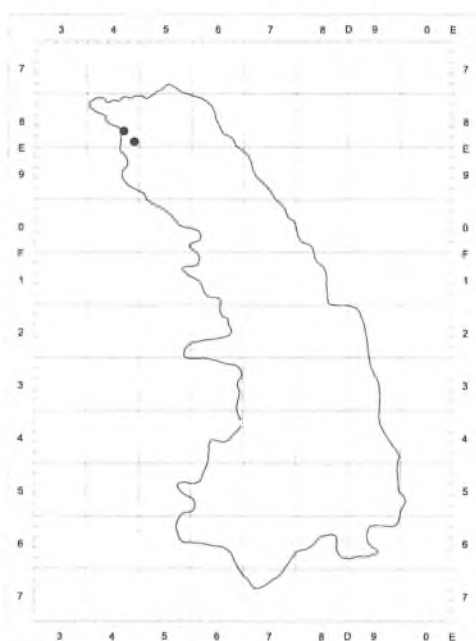
1054. *Pulmonaria obscura* Dumort.



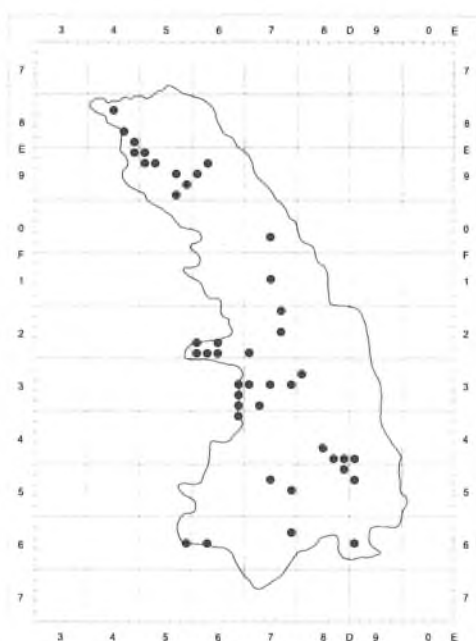
1055. *Pulsatilla patens* (L.) Mill.



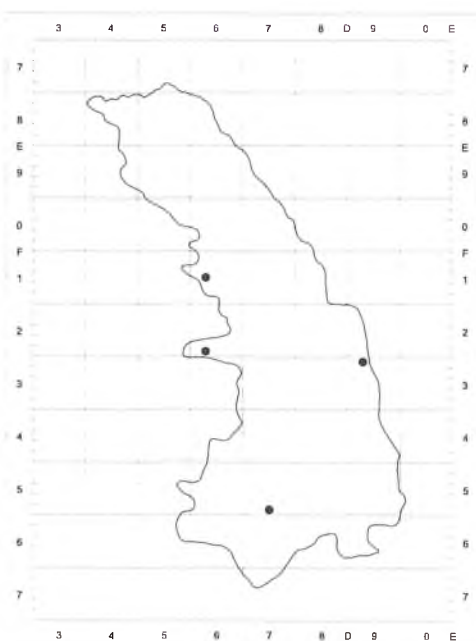
1056. *Pulsatilla pratensis* (L.) Mill.



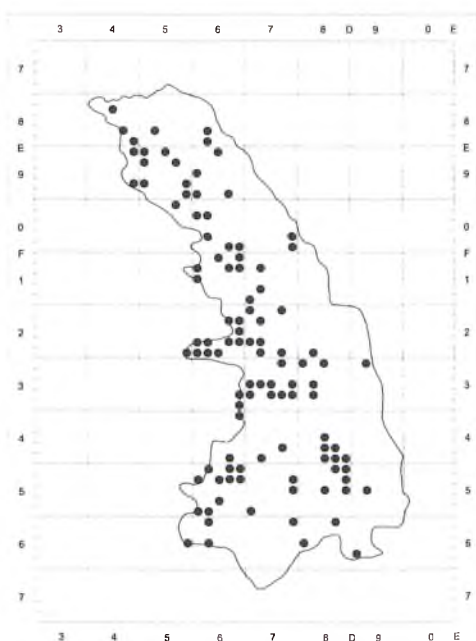
1057. *Pulsatilla vernalis* (L.) Mill.



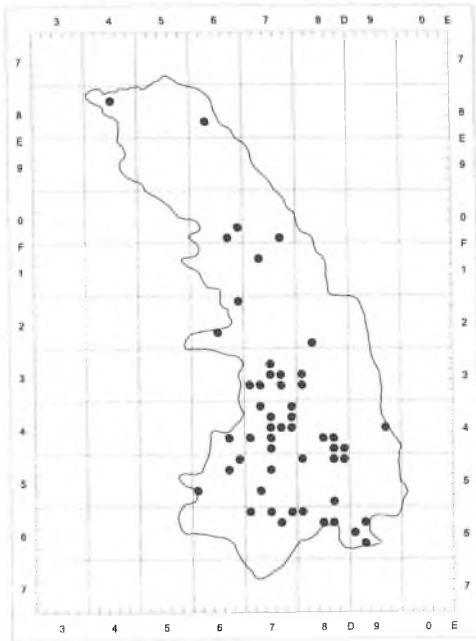
1058. *Pyrola chlorantha* Sw.



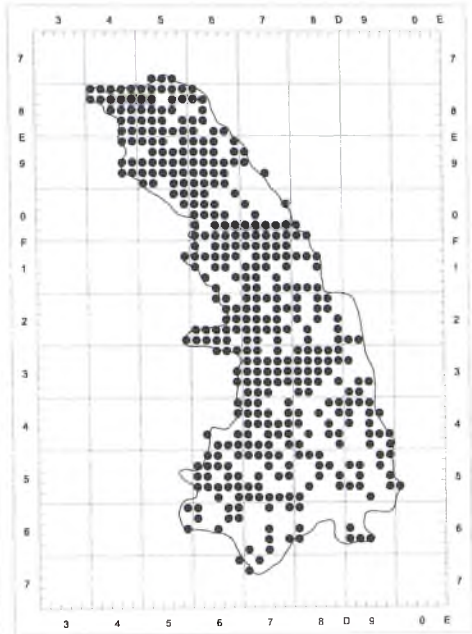
1059. *Pyrola media* Sw.



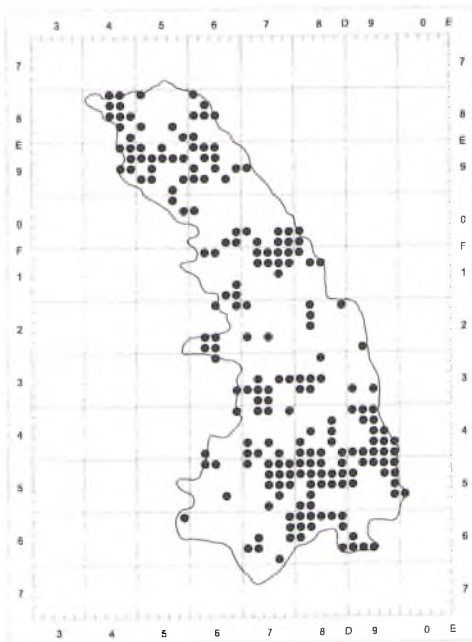
1060. *Pyrola minor* L.



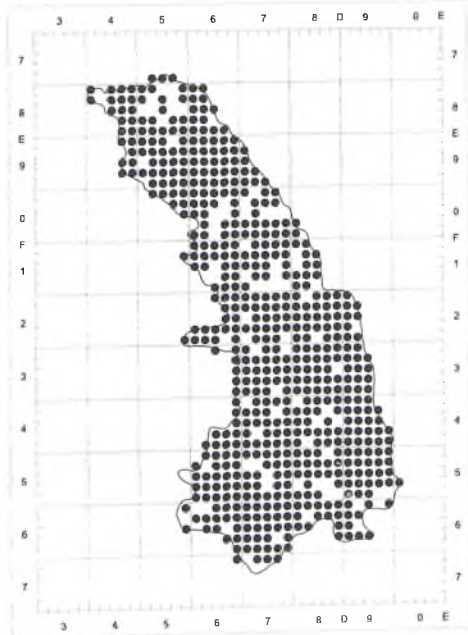
1061. *Pyrola rotundifolia* L.



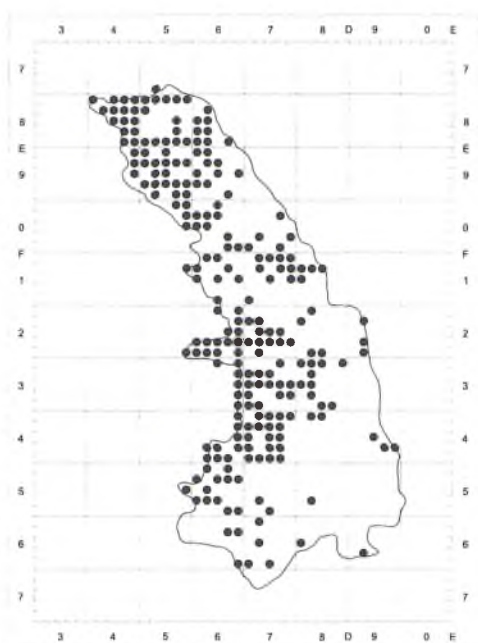
1062. *Pyrus pyraster* (L.) Burgsd.



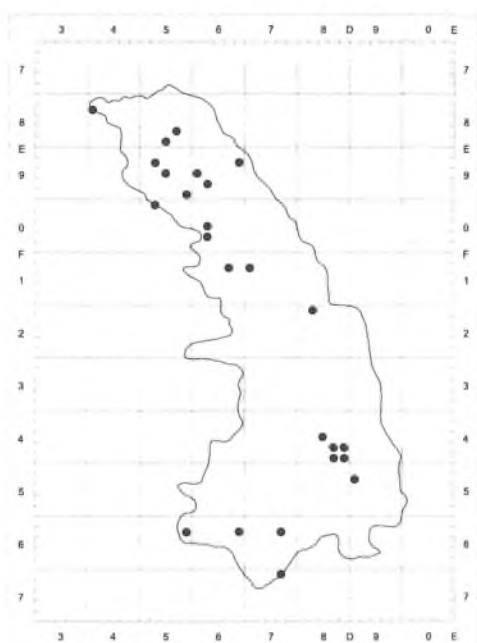
1063. *Quercus petraea* (Matt.) Liebl.



1064. *Quercus robur* L.



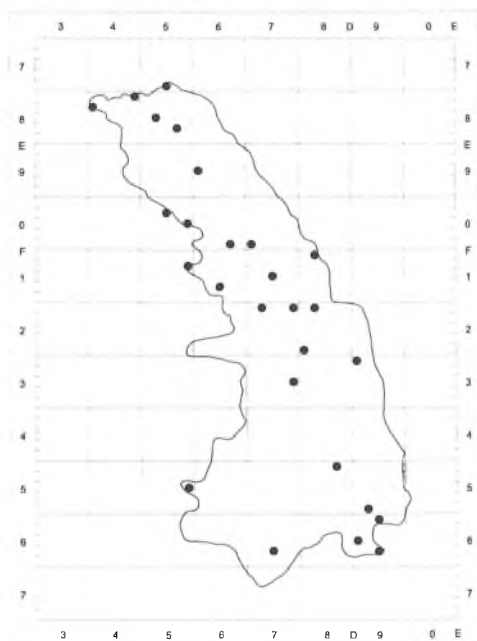
1065. ** *Quercus rubra* L.



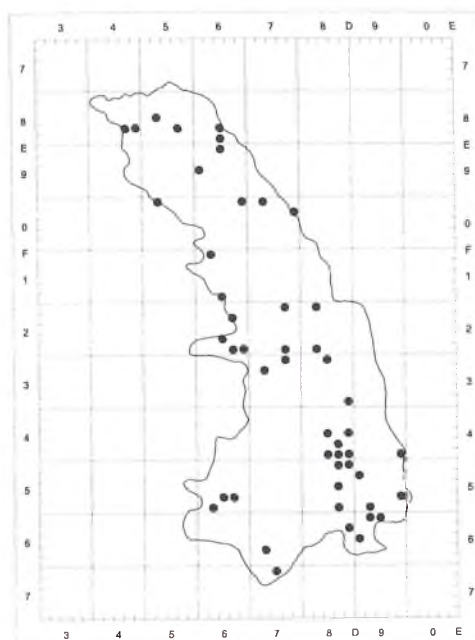
1066. *Radiola linoides* Roth



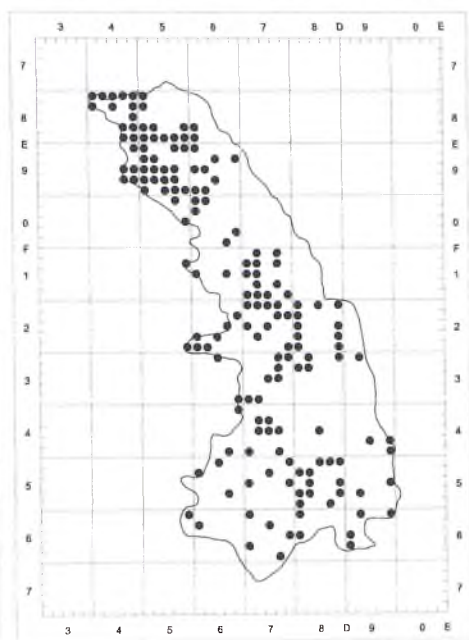
1067. *Ranunculus acris* L. s. str.



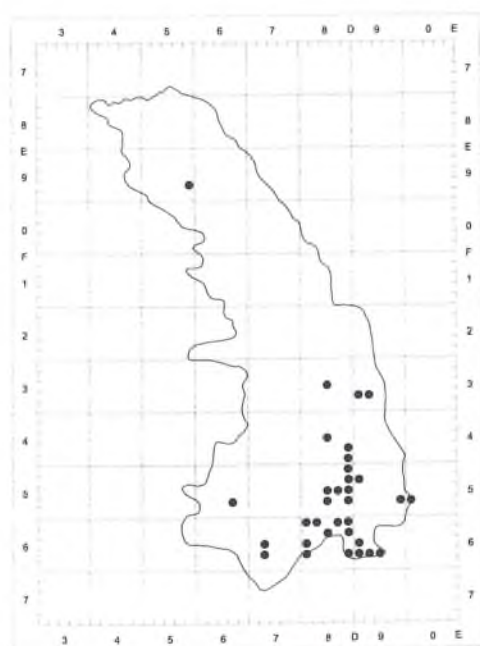
1068. * *Ranunculus arvensis* L.



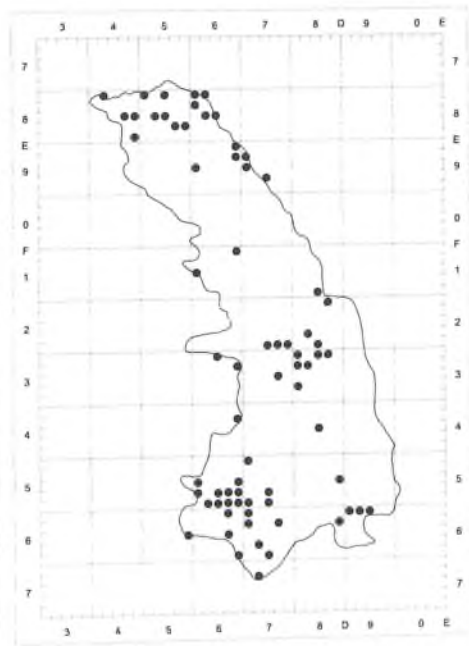
1069. *Ranunculus auricomus* L. s. l.



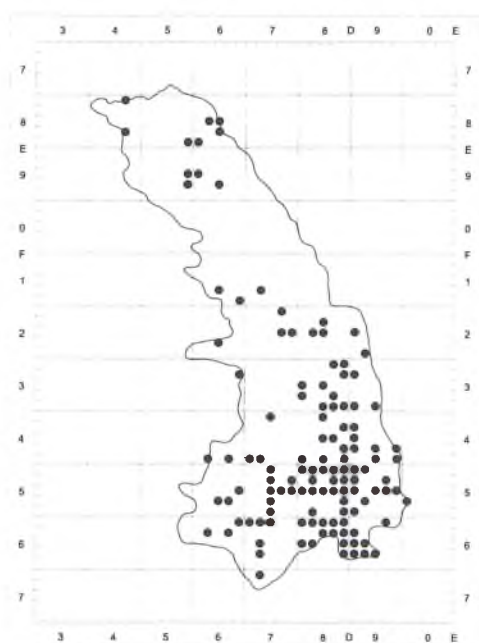
1070. *Ranunculus bulbosus* L.



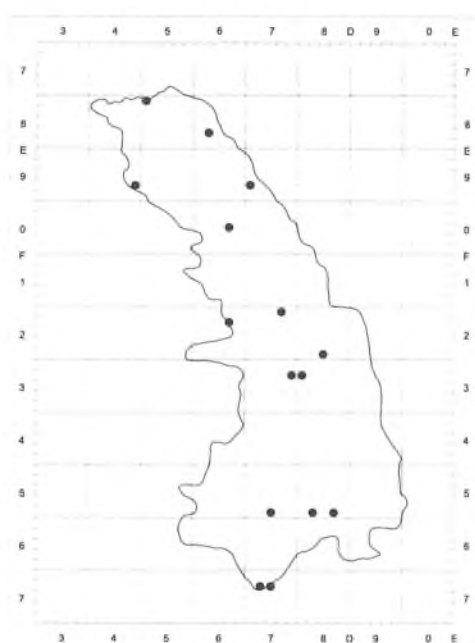
1071. *Ranunculus cassubicus* L. s. l.



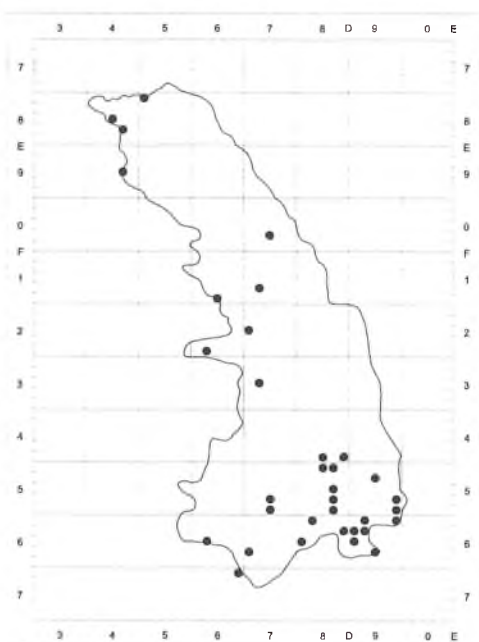
1072. *Ranunculus flammula* L.



1073. *Ranunculus lanuginosus* L.



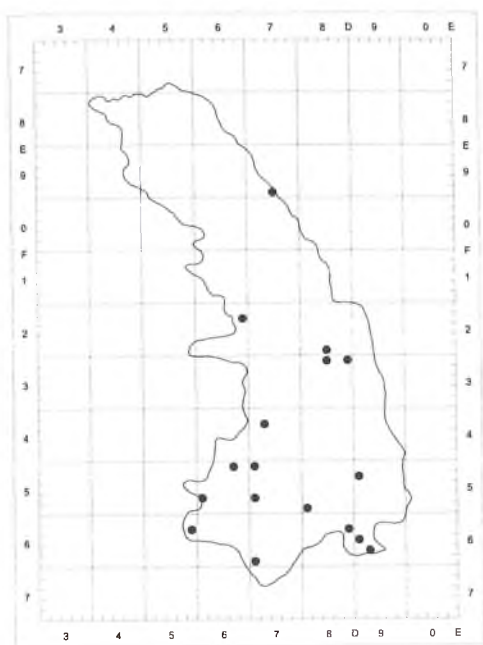
1074. *Ranunculus lingua* L.



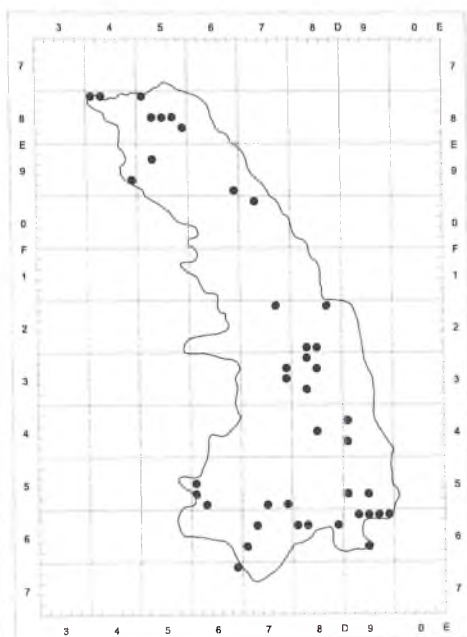
1075. *Ranunculus polyanthemus* L.



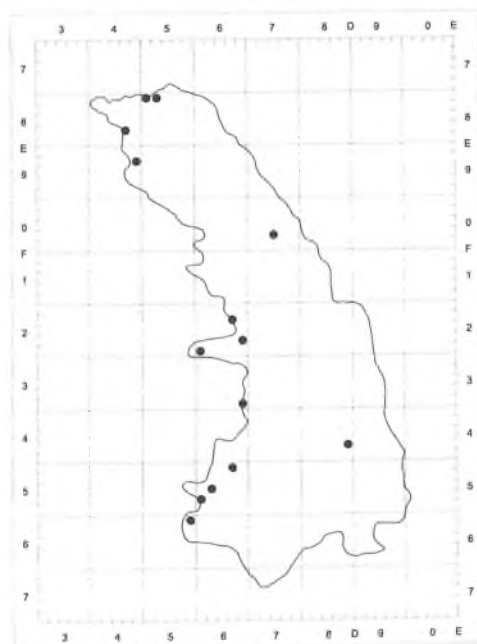
1076. *Ranunculus repens* L.



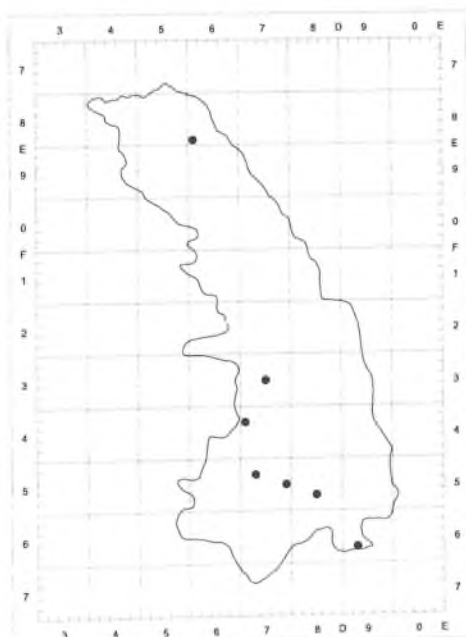
1077. *Ranunculus sardous* Crantz



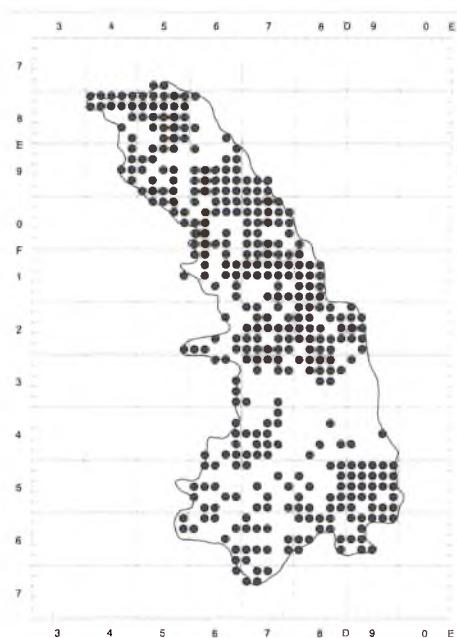
1078. *Ranunculus sceleratus* L.



1079. *Ranunculus serpens* Schrank
subsp. *nemorosus* (DC.) G. López



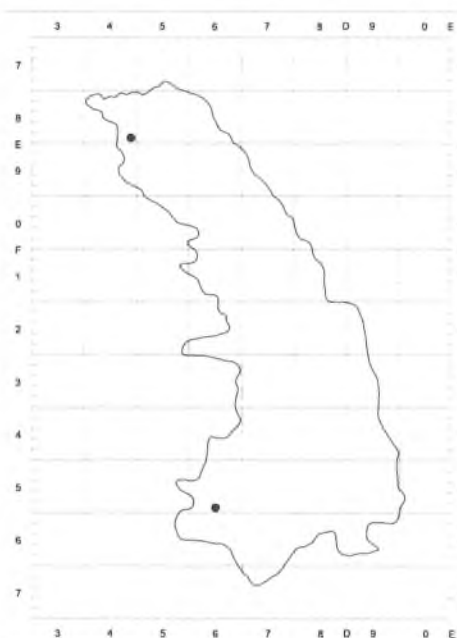
1080. *Ranunculus strigulosus* Schur



1081. * *Raphanus raphanistrum* L.



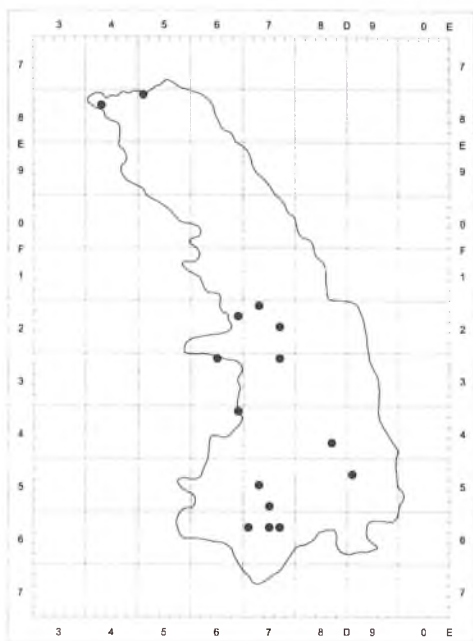
1082. *Reseda lutea* L.



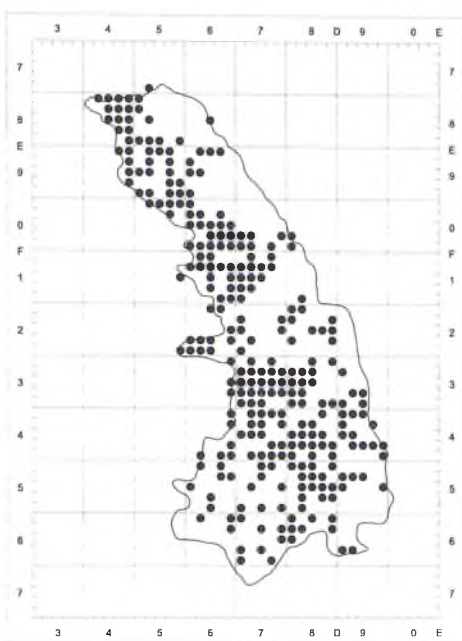
1083. ** *Reseda luteola* L.



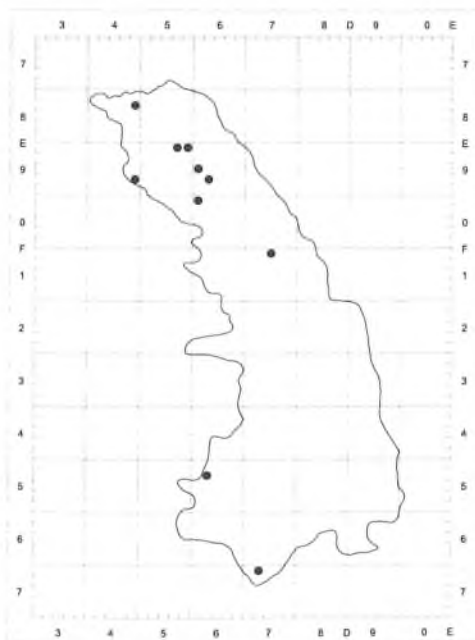
1084. ** *Reynoutria japonica* Houtt.



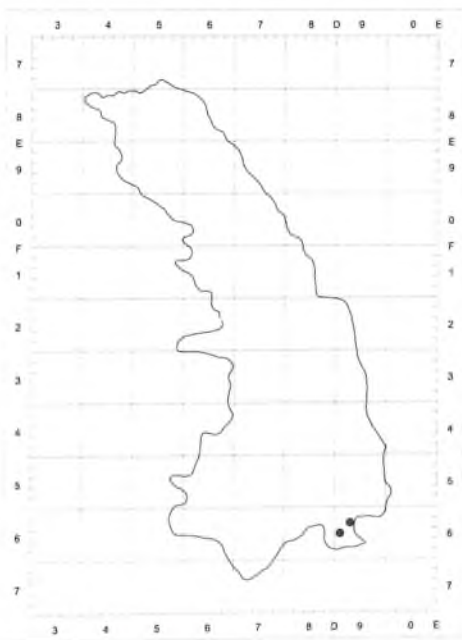
1085. ** *Reynoutria sachalinensis*
(F. Schmidt) Nakai



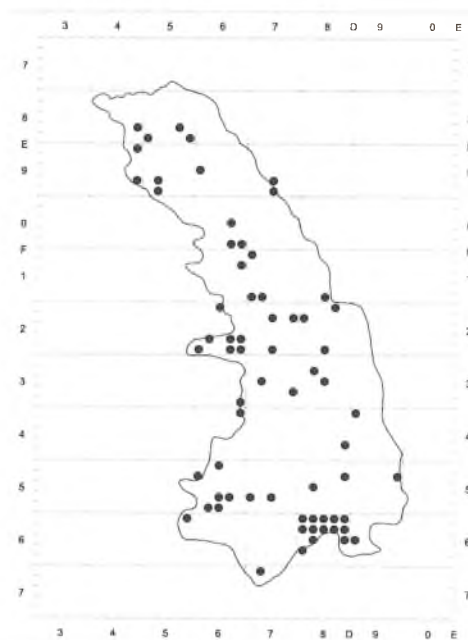
1086. *Rhamnus cathartica* L.



1087. *Rhinanthus alectorolophus*
(Scop.) Pollich



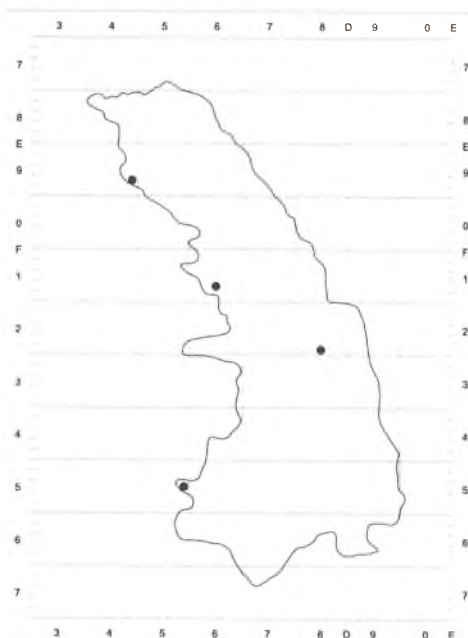
1088. *Rhinanthus borbasii* (Dörfl.) Soó



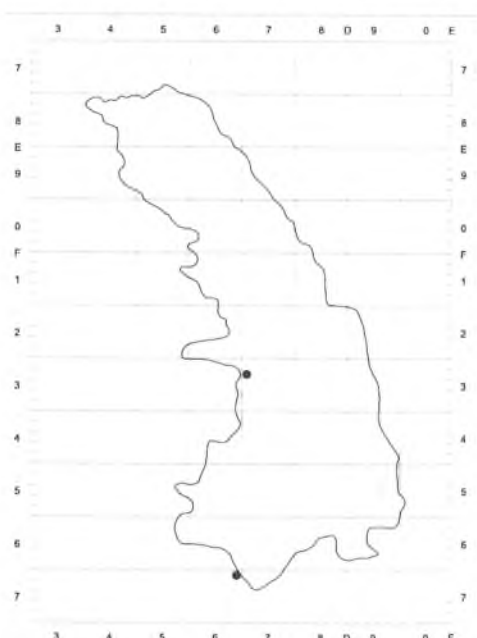
1089. *Rhinanthus minor* L.



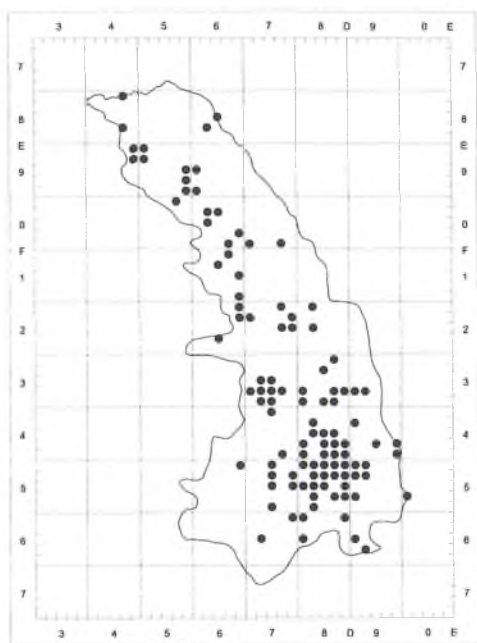
1090. *Rhinanthus serotinus* (Schönh.)
Oborný



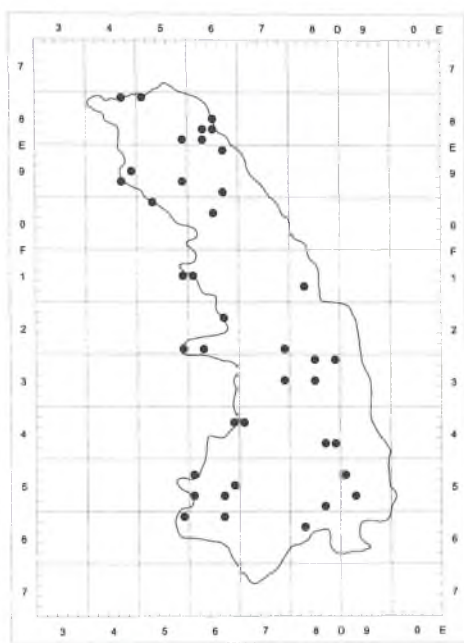
1091. *Rhynchospora alba* (L.) Vahl



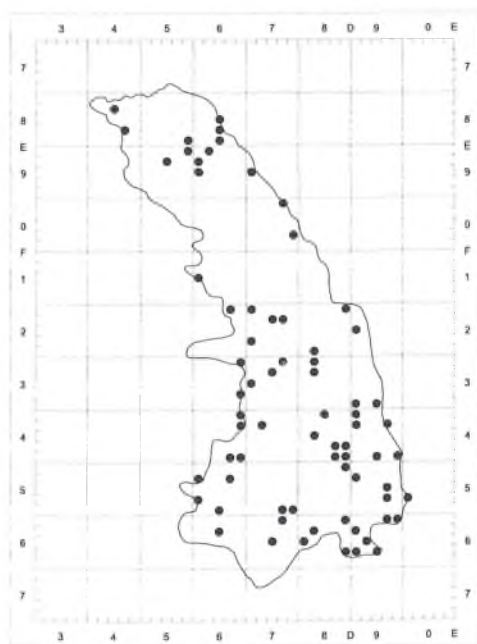
1092. + *Rhynchospora fusca* (L.)
W. T. Aiton



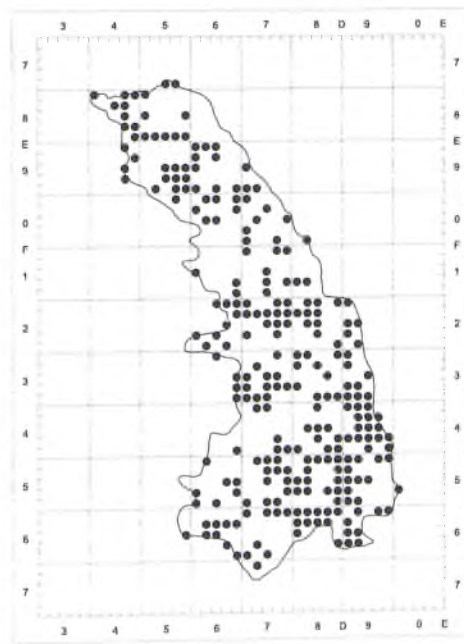
1093. *Ribes alpinum* L.



1094. *Ribes nigrum* L.



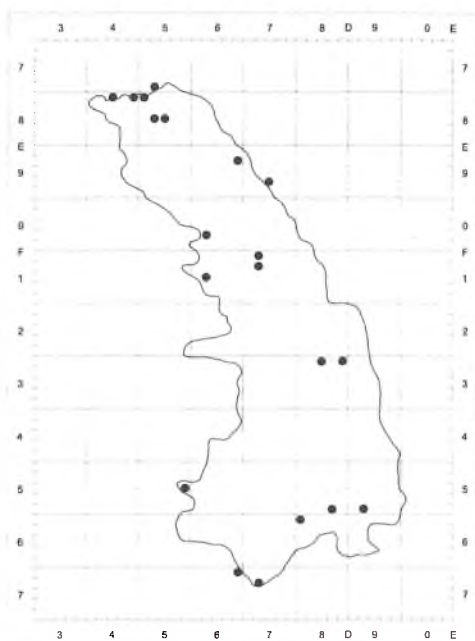
1095. *Ribes spicatum* E. Robson



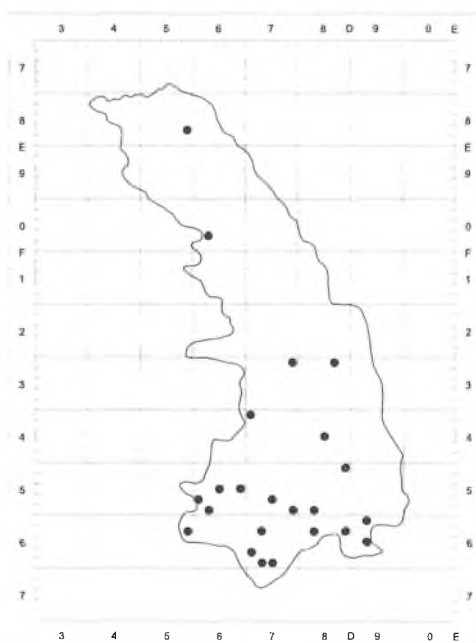
1096. *Ribes uva-crispa* L.



1097. ** *Robinia pseudoacacia* L.



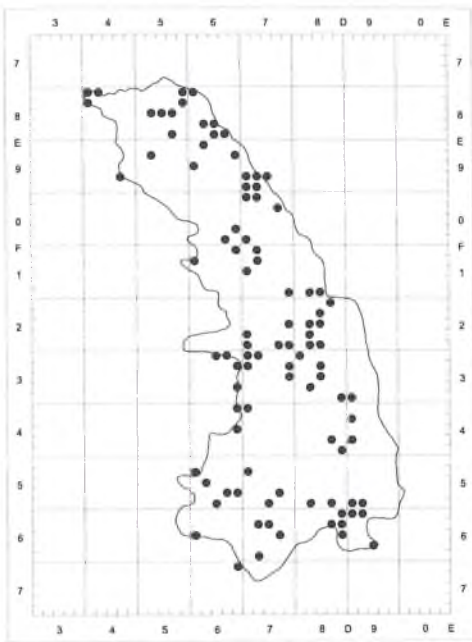
1098. *Rorippa amphibia* (L.) Besser



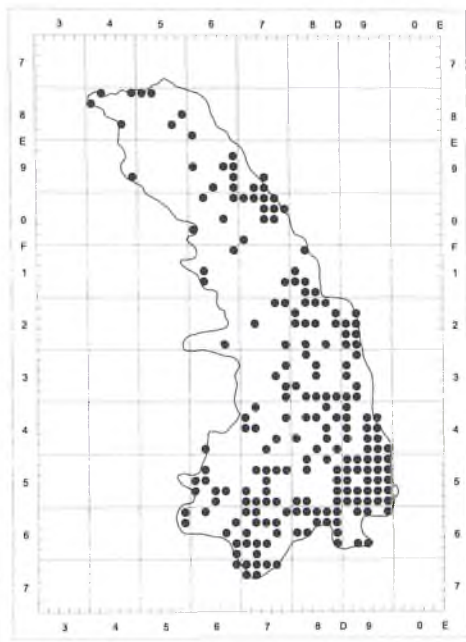
1099. *Rorippa* × *armoracioides*
(Tausch) Fuss



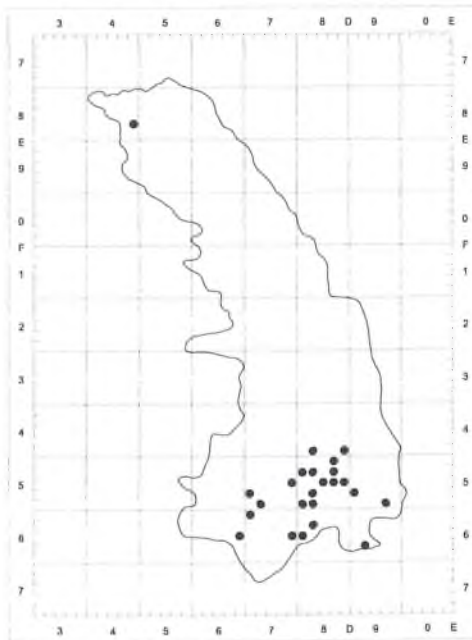
1100. *Rorippa austriaca* (Crantz) Besser



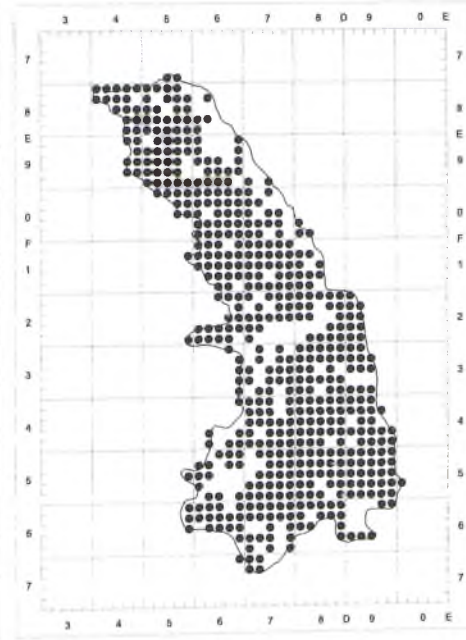
1101. *Rorippa palustris* (L.) Besser



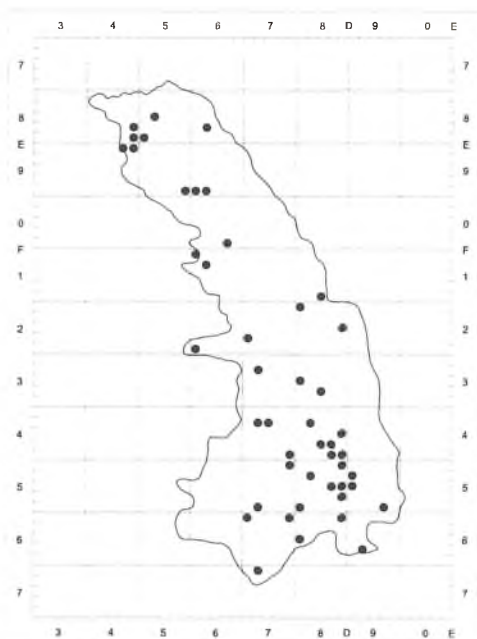
1102. *Rorippa sylvestris* (L.) Besser



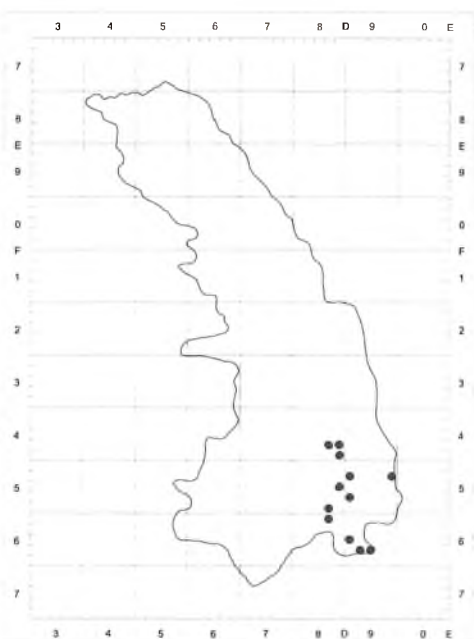
1103. *Rosa agrestis* Savi



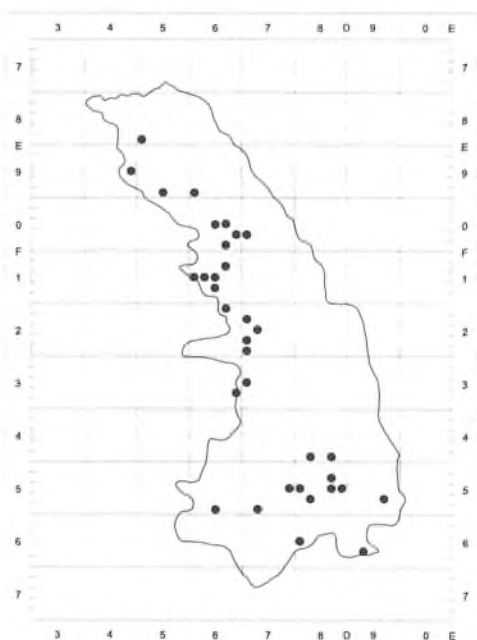
1104. *Rosa canina* L.



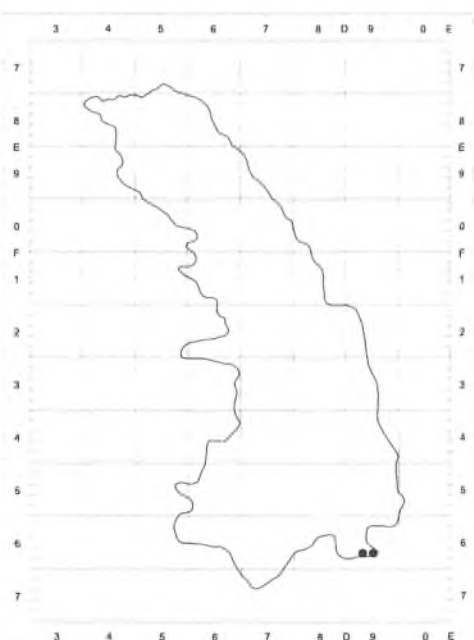
1105. *Rosa dumalis*
Bechst. emend. Boulenger



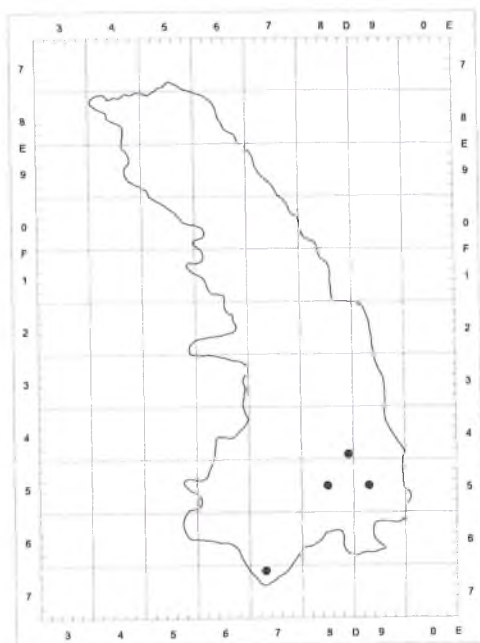
1106. *Rosa gallica* L.



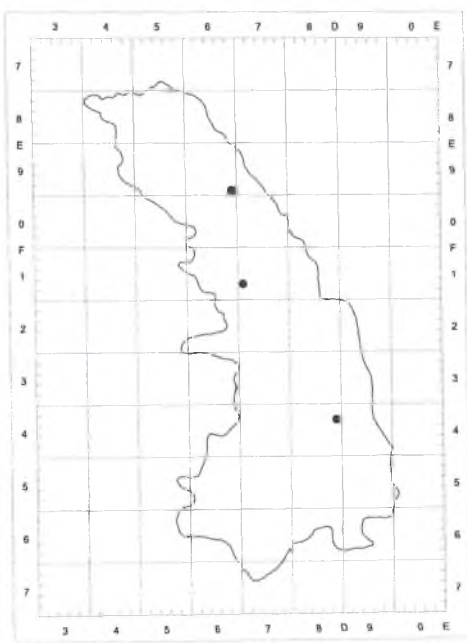
1107. *Rosa inodora* Fr.



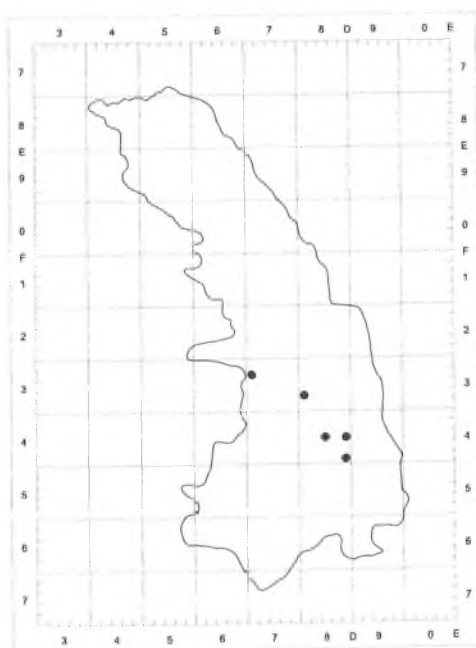
1108. + *Rosa majalis* Herrm.



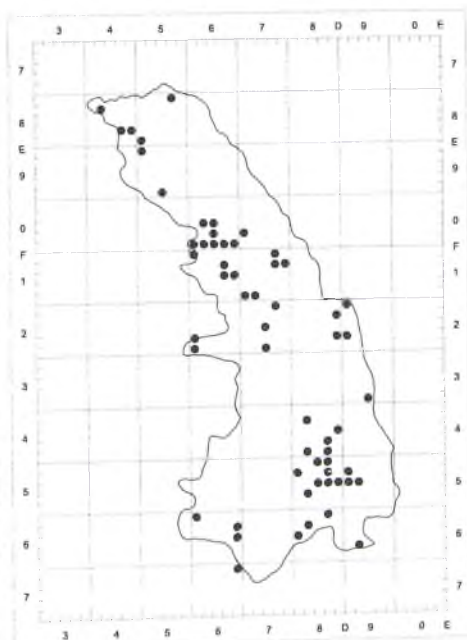
1109. *Rosa micrantha* Borrer ex Sm.



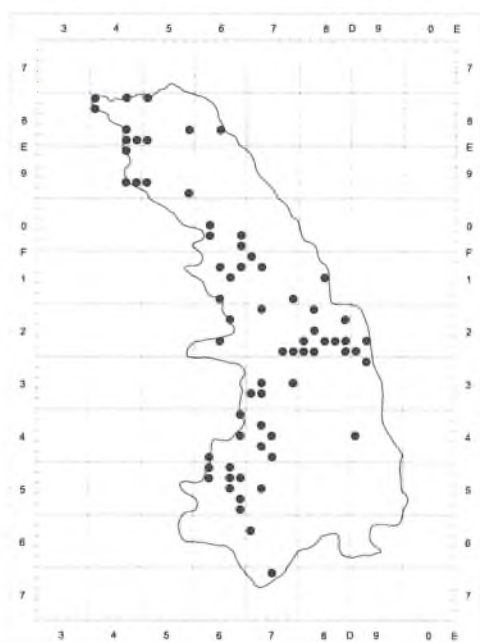
1110. ** *Rosa multiflora* Thunb.



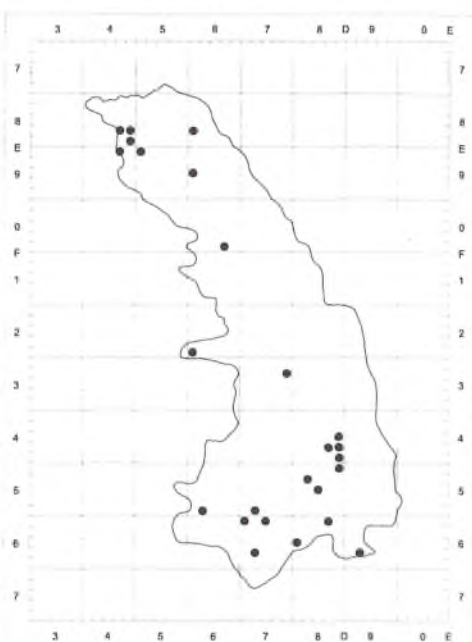
1111. *Rosa pendulina* L.



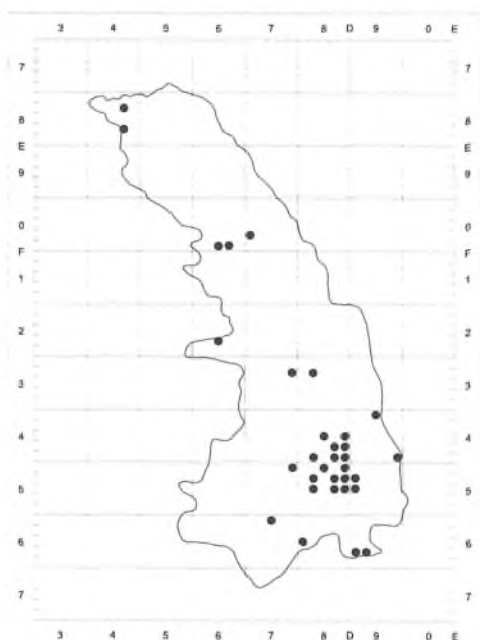
1112. *Rosa rubiginosa* L.



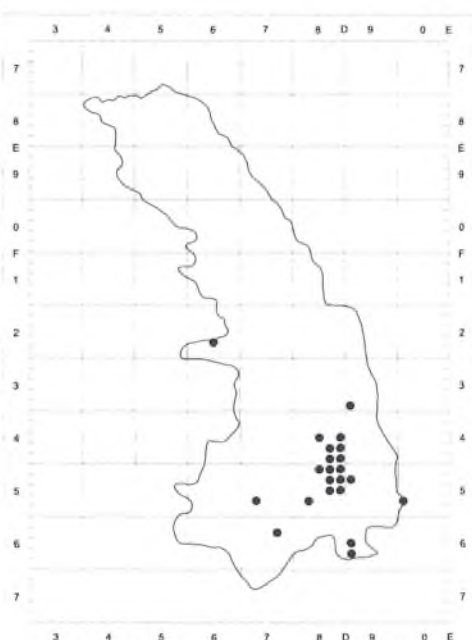
1113. ** *Rosa rugosa* Thunb.



1114. *Rosa sherardii* Davies



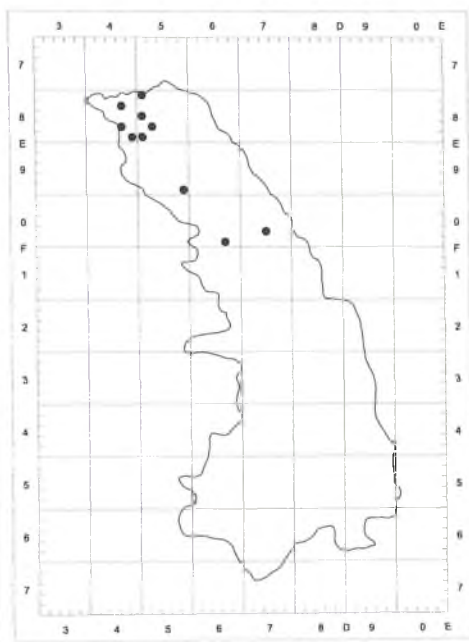
1115. *Rosa tomentosa* Sm.



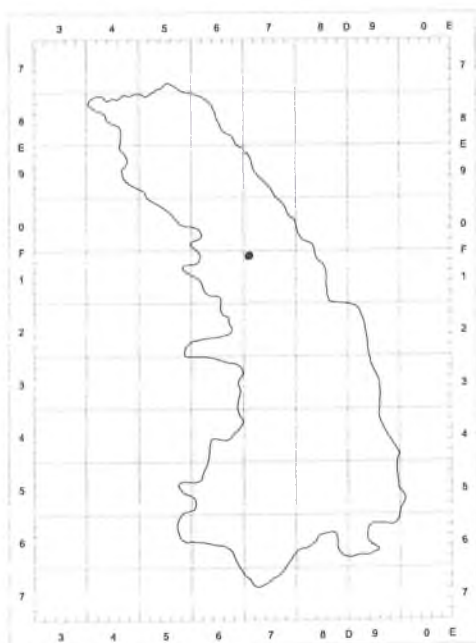
1116. *Rubus bifrons* Vest



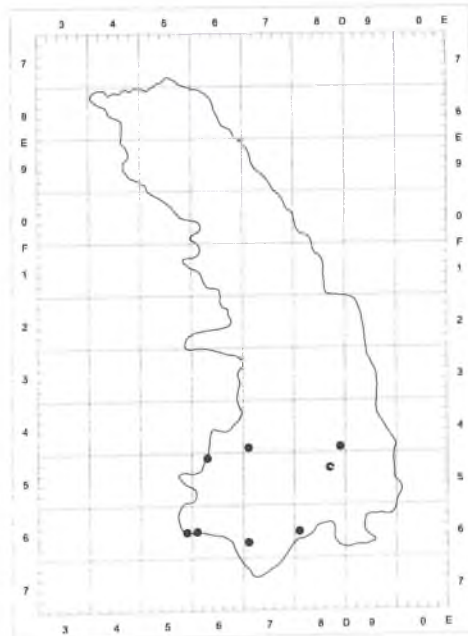
1117. *Rubus caesius* L.



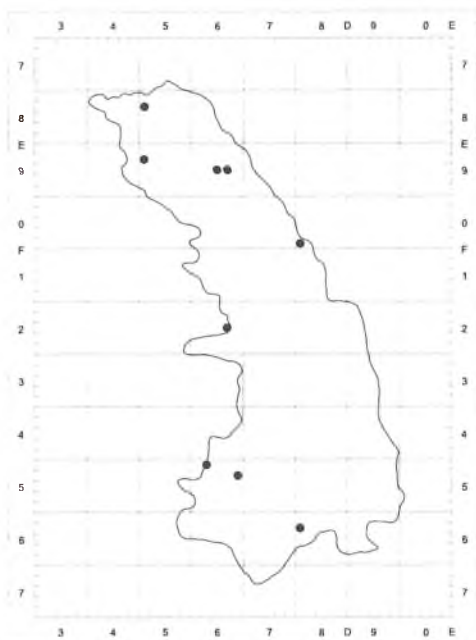
1118. *Rubus corylifolius* Sm. agg.



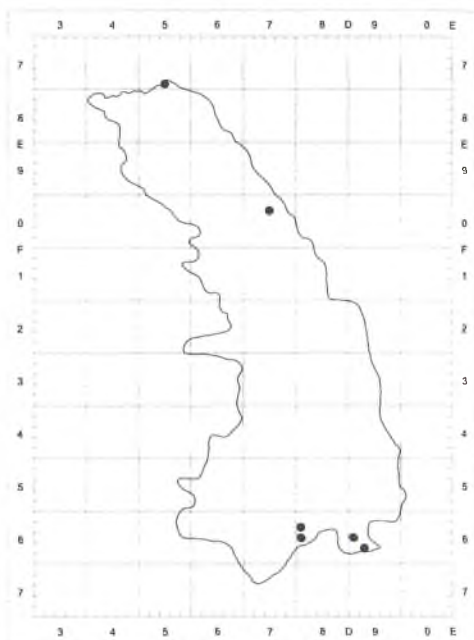
1119. *Rubus crispomarginatus* Holub



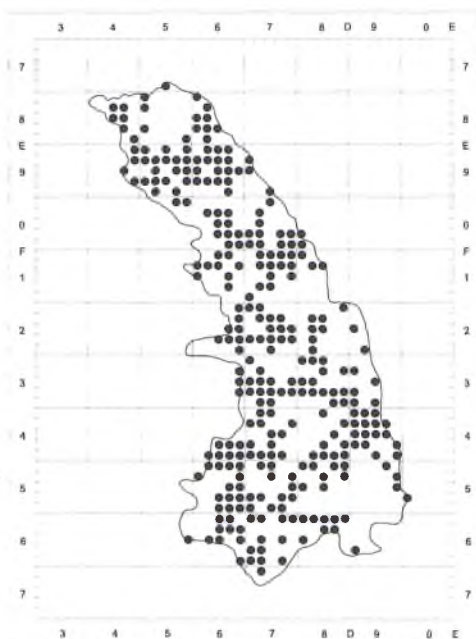
1120. *Rubus glivicensis*
(Sprib. ex Sudre) Sprib.



1121. *Rubus grabowskii*
Weihe ex Günther & All.



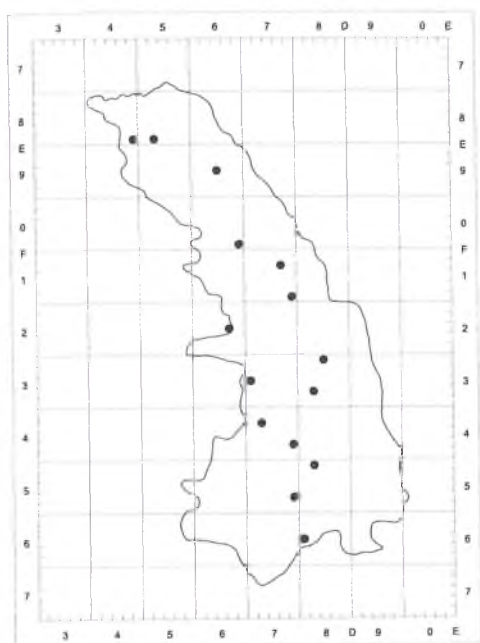
1122. *Rubus gracilis*
J. Presl. & C. Presl.



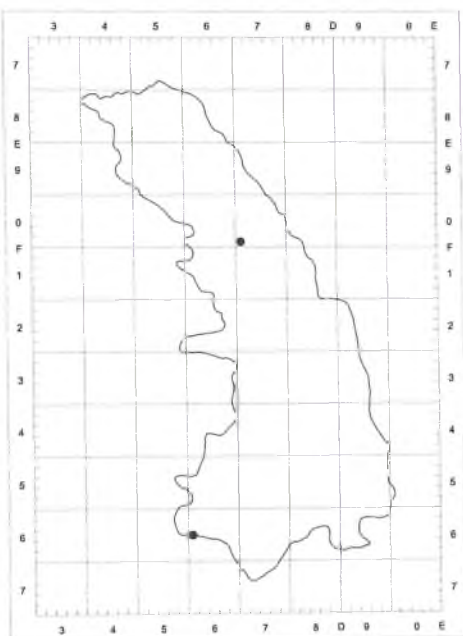
1123. *Rubus hirtus* Waldst. & Kit. agg.



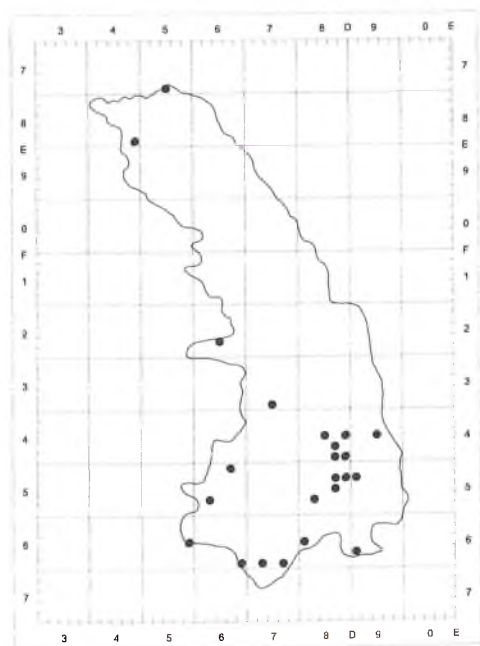
1124. *Rubus idaeus* L.



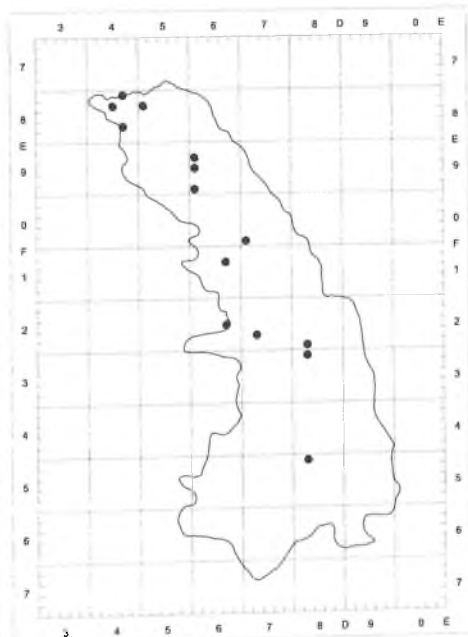
1125. *Rubus kuleszae* Ziel.



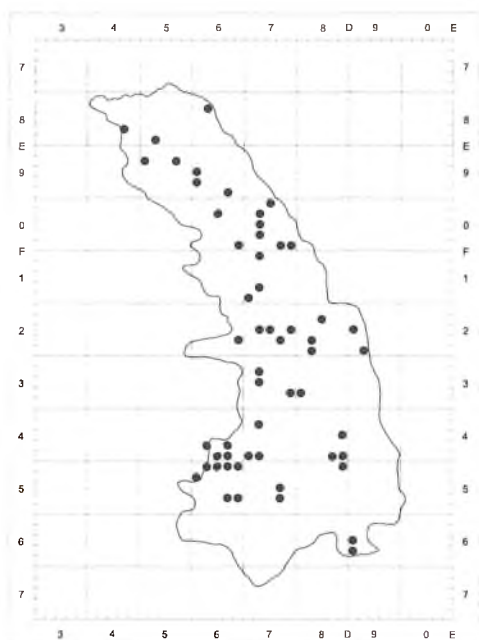
1126. *Rubus montanus* Lib. ex Lej.



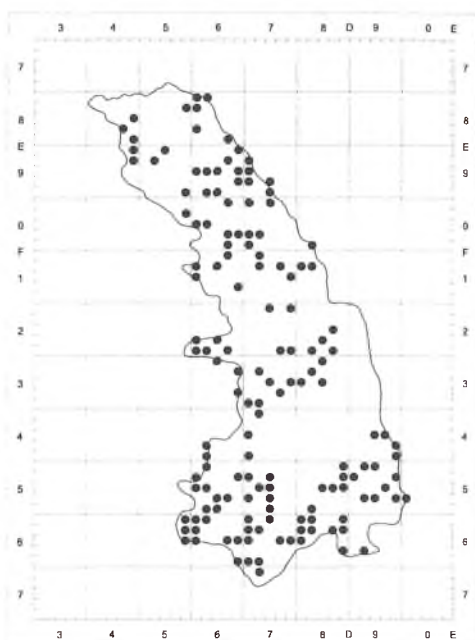
1127. *Rubus nessensis* Hall



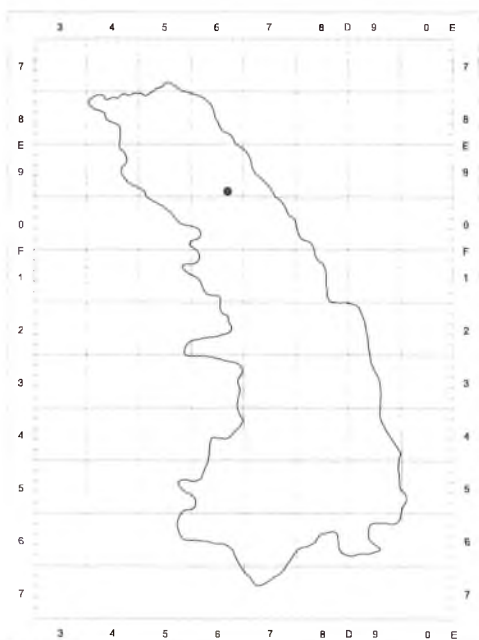
1128. *Rubus orthostachys* G. Braun



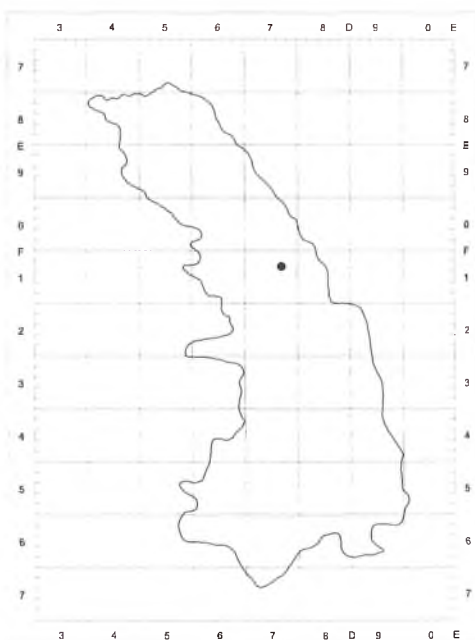
1129. *Rubus pedemontanus* Pinkw.



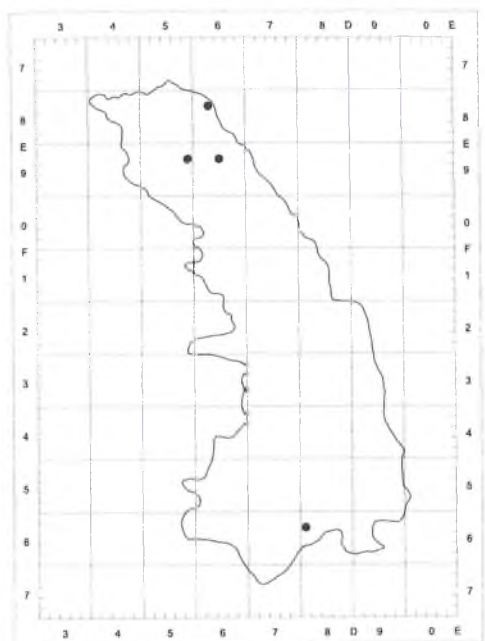
1130. *Rubus plicatus* Weihe & Nees



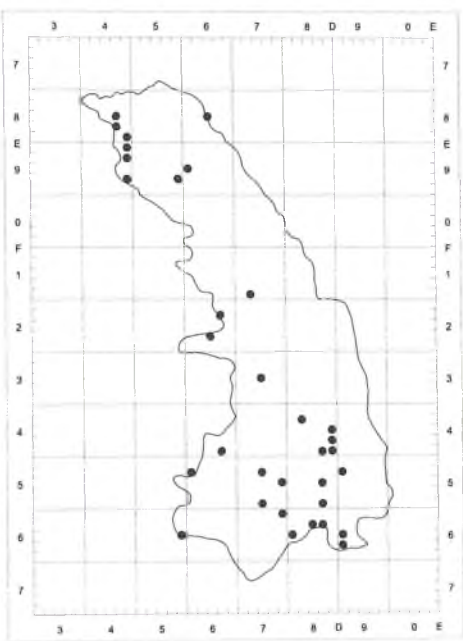
1131. *Rubus praecox* Bertol.



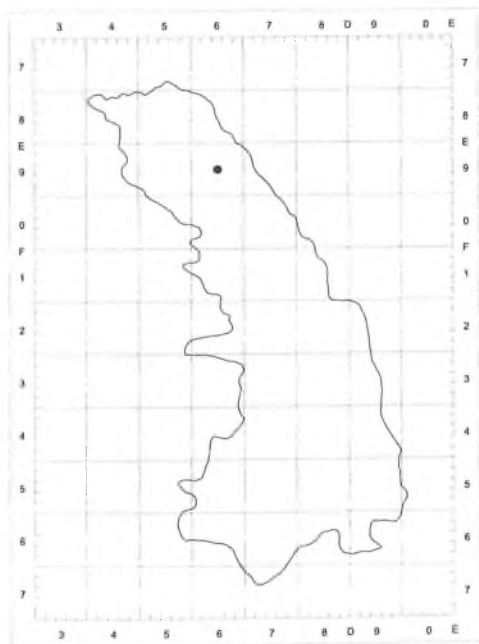
1132. *Rubus* $\times$ *pseudidaeus* (Weihe) Lej.



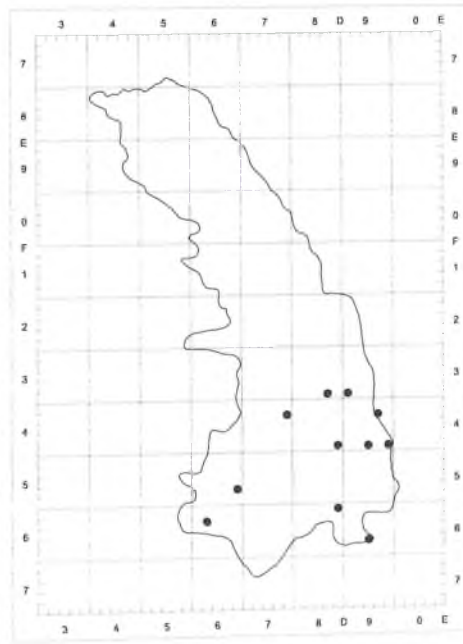
1133. *Rubus radula* Weihe



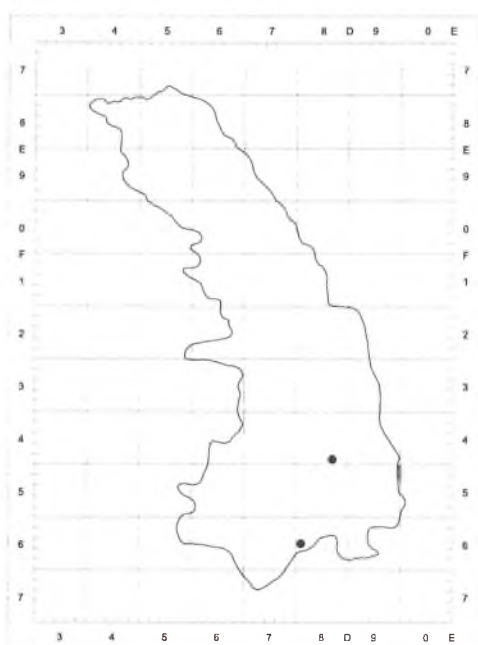
1134. *Rubus saxatilis* L.



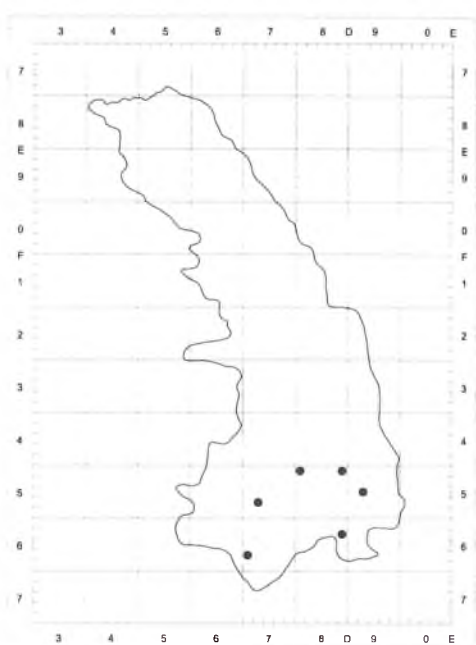
1135. *Rubus scissus* W. C. R. Watson



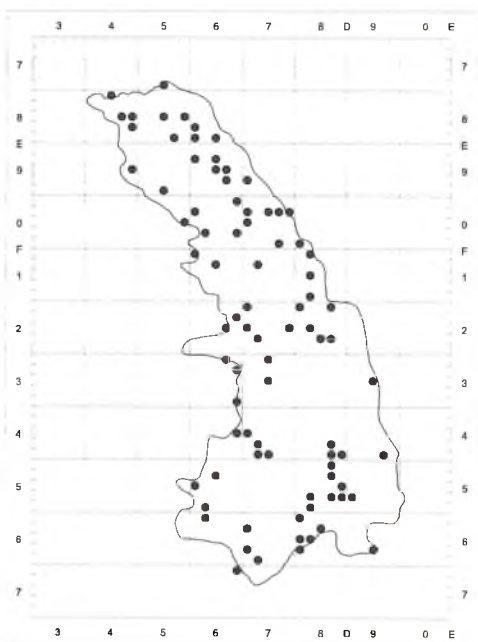
1136. *Rubus sulcatus* Vest



1137. *Rubus wahlbergii* Arrh.



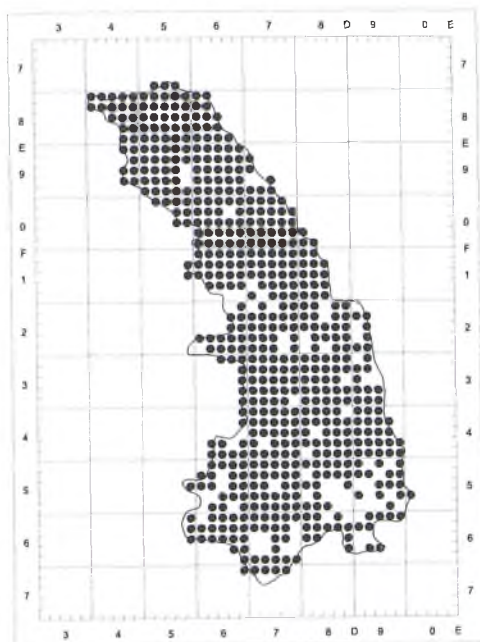
1138. *Rubus wimmerianus*
(Sprib. ex Sudre) Sprib.



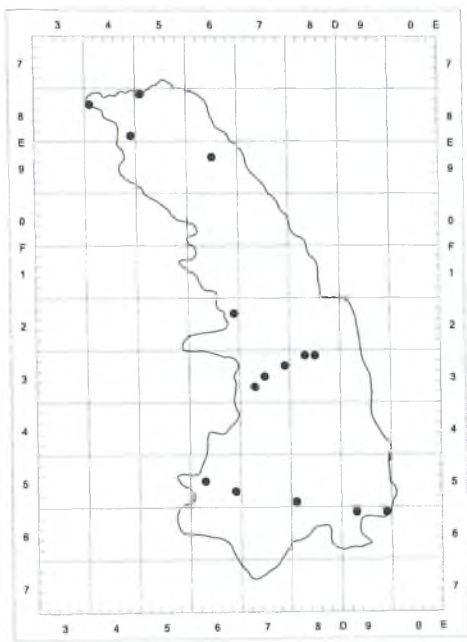
1139. ** *Rudbeckia laciniata* L.



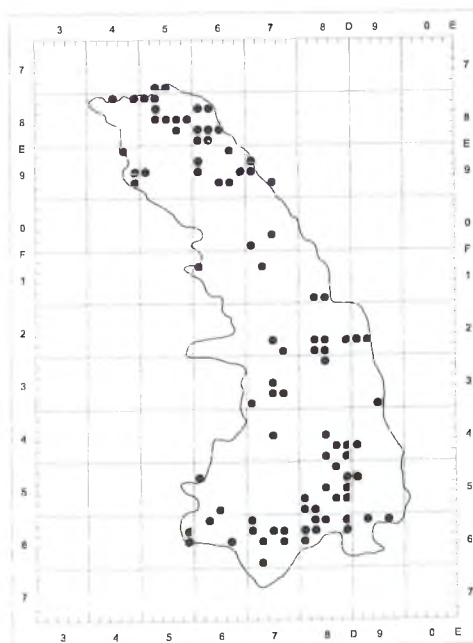
1140. *Rumex acetosa* L.



1141. *Rumex acetosella* L.



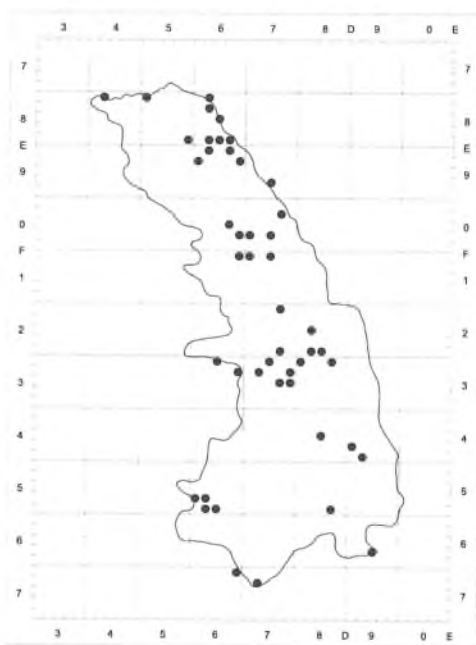
1142. ** *Rumex confertus* Willd.



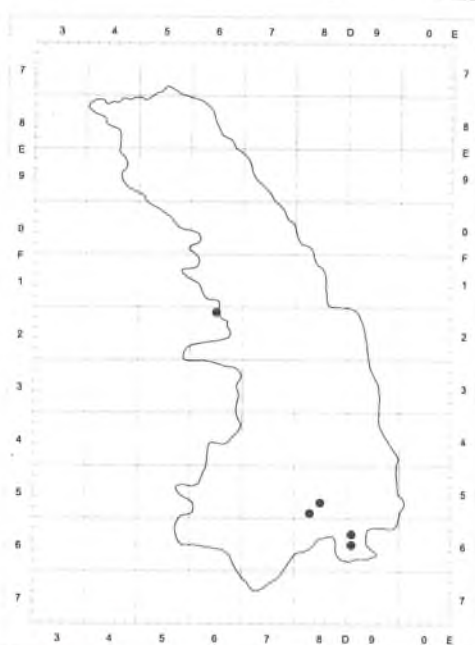
1143. *Rumex conglomeratus* Murray



1144. *Rumex crispus* L.



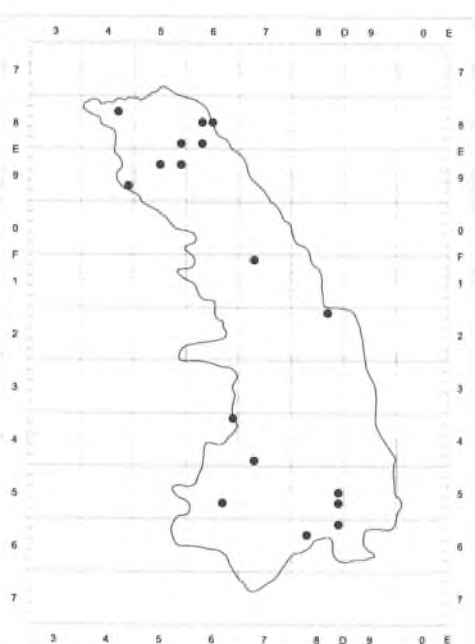
1145. *Rumex hydrolapathum* Huds.



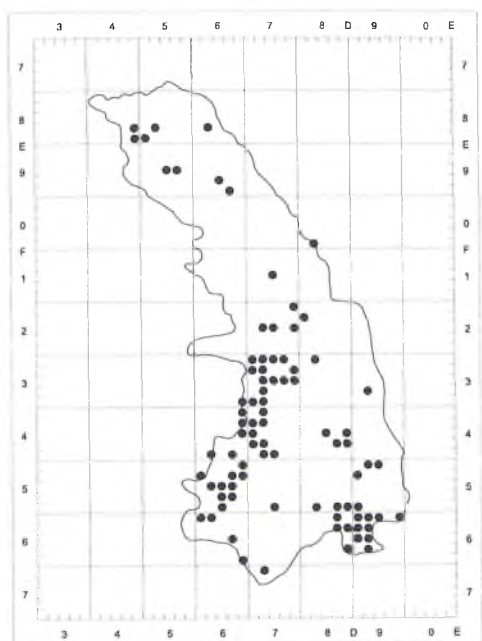
1146. *Rumex maritimus* L.



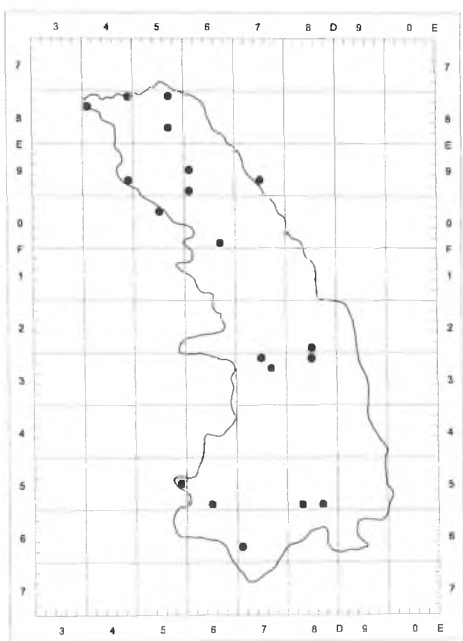
1147. *Rumex obtusifolius* L.



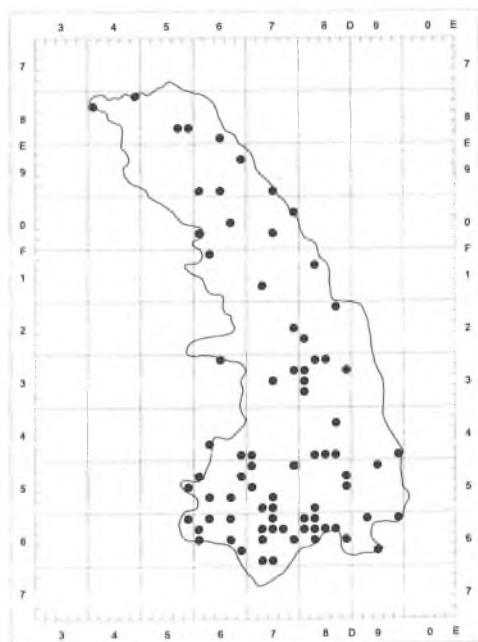
1148. *Rumex sanguineus* L.



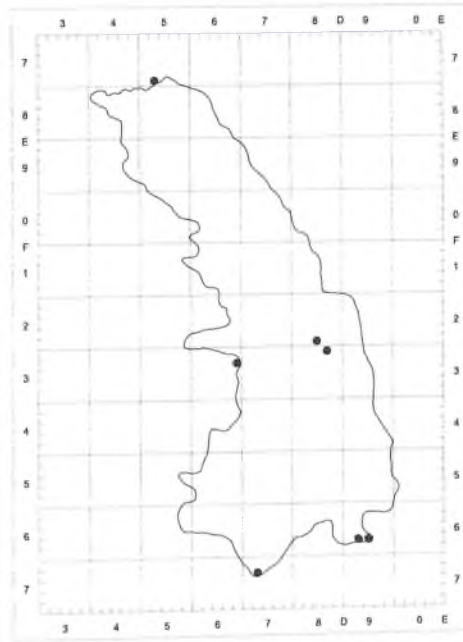
1149. [*] *Rumex thyrsiflorus* Fingerh.



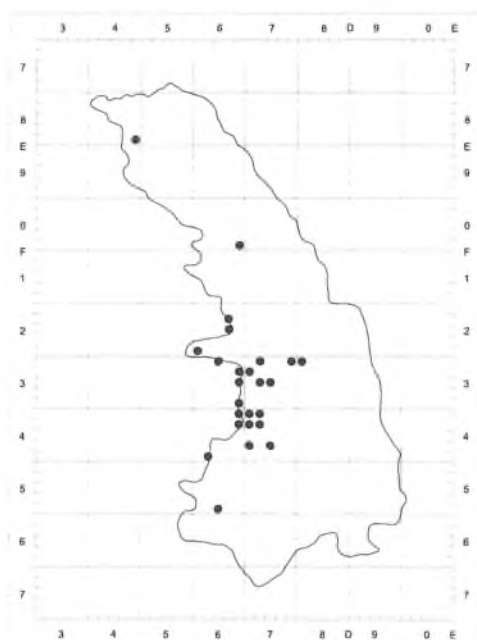
1150. *Sagina nodosa* (L.) Fenzl



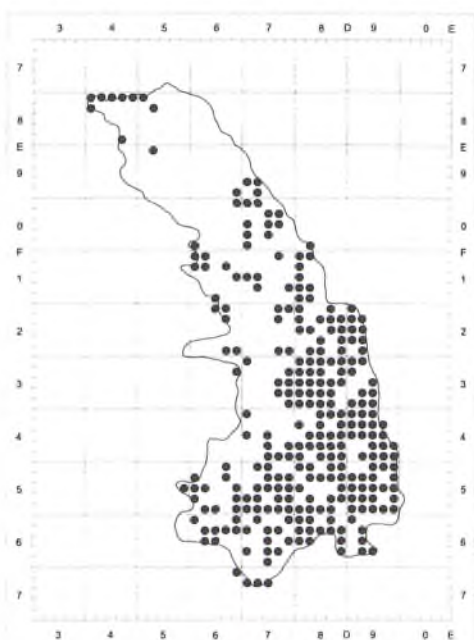
1151. *Sagina procumbens* L.



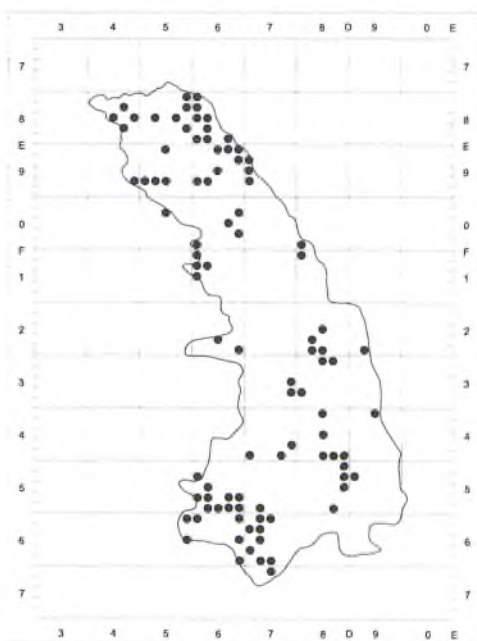
1152. *Sagittaria sagittifolia* L.



1153. ** *Salix acutifolia* Willd.



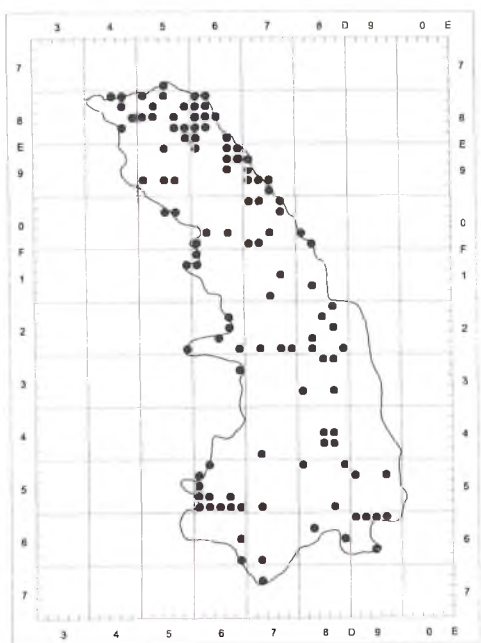
1154. *Salix alba* L.



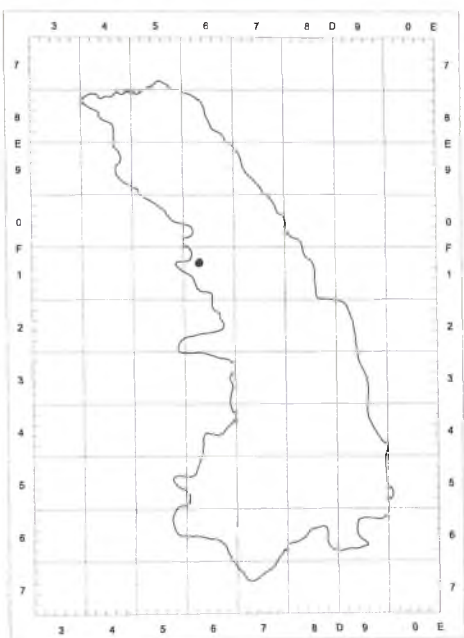
1155. *Salix aurita* L.



1156. *Salix caprea* L.



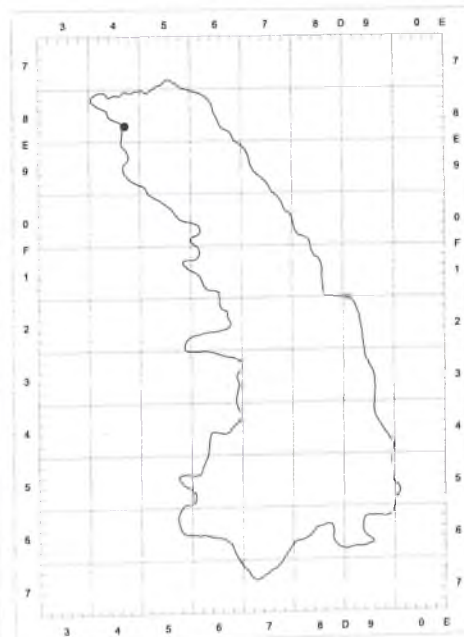
1157. *Salix cinerea* L.



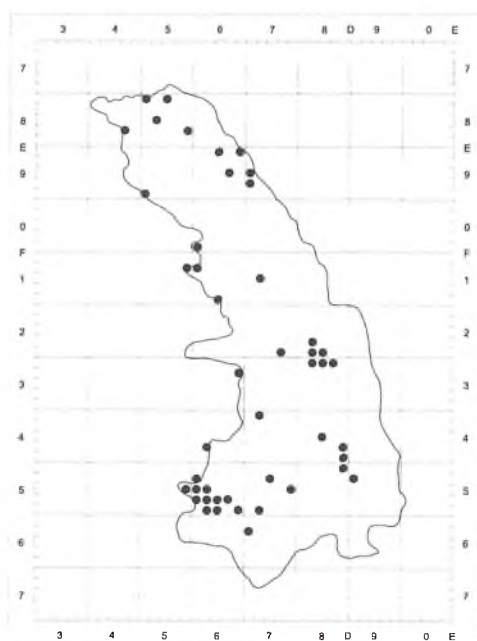
1158. Δ *Salix eleagnos* Scop.



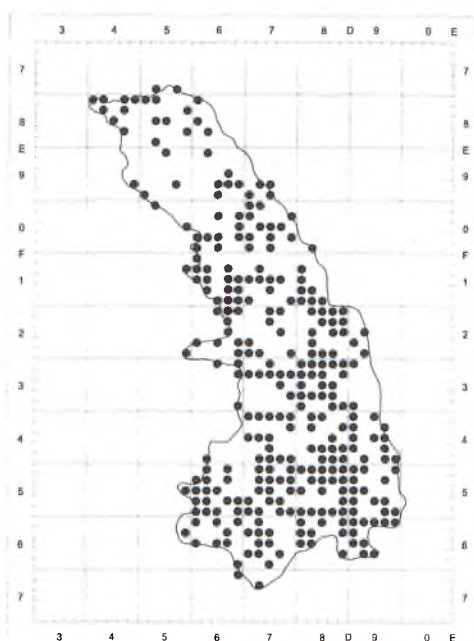
1159. *Salix fragilis* L.



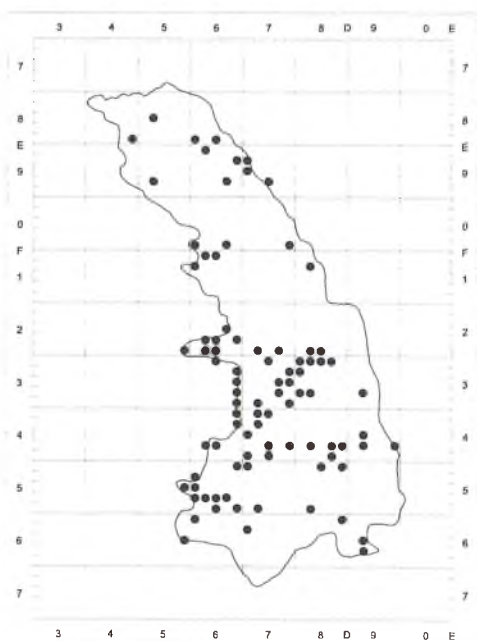
1160. *Salix myrsinifolia* Salisb.



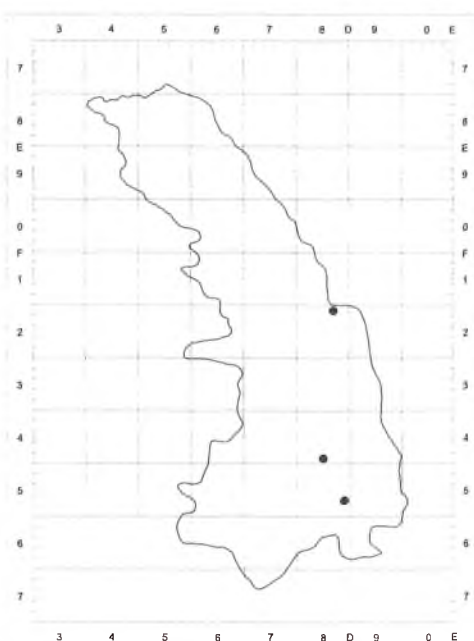
1161. *Salix pentandra* L.



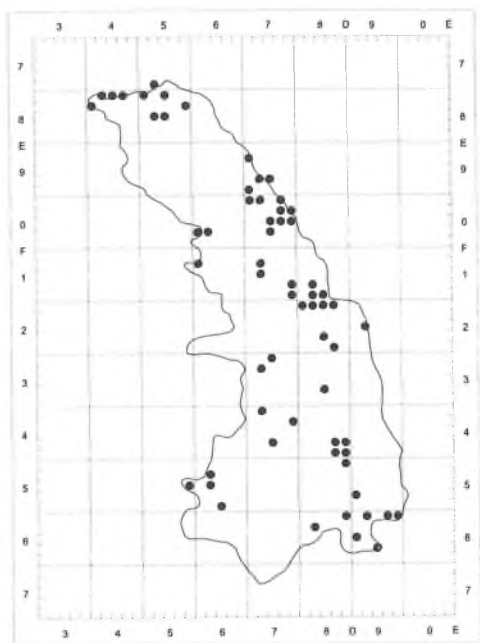
1162. *Salix purpurea* L.



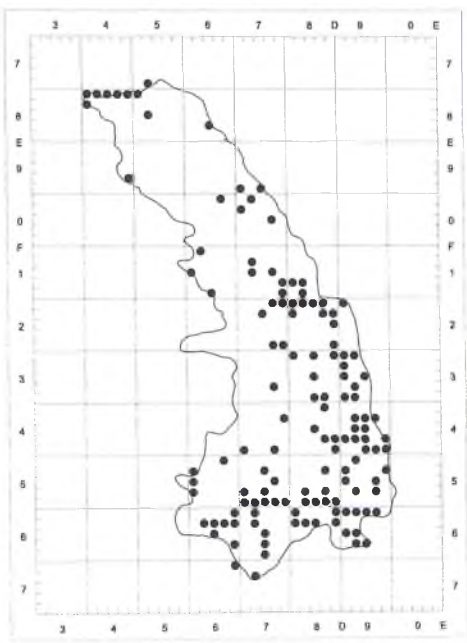
1163. *Salix repens* L. s. l.



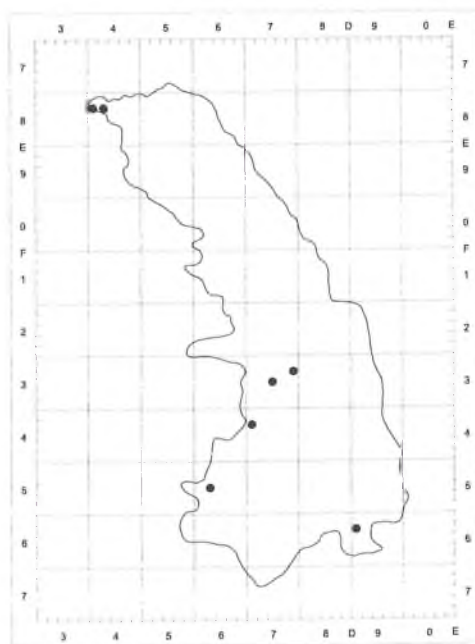
1164. *Salix* × *rubens* Schrank



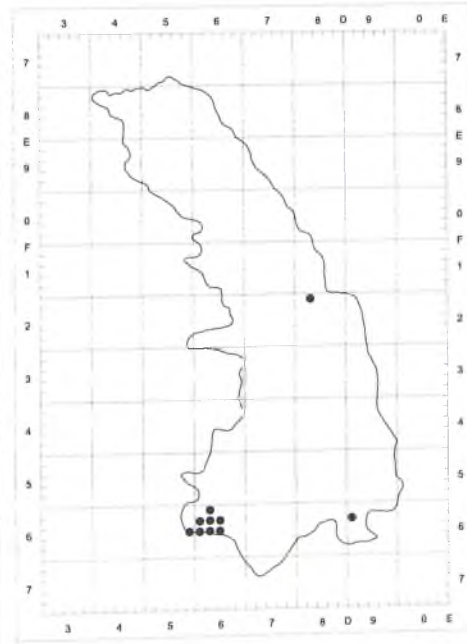
1165. *Salix triandra* L.



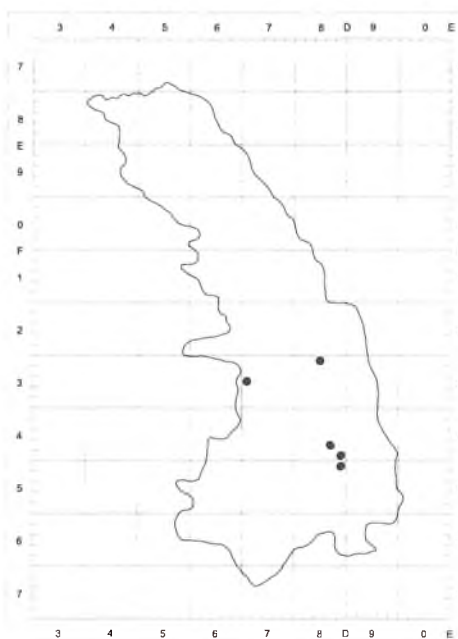
1166. *Salix viminalis* L.



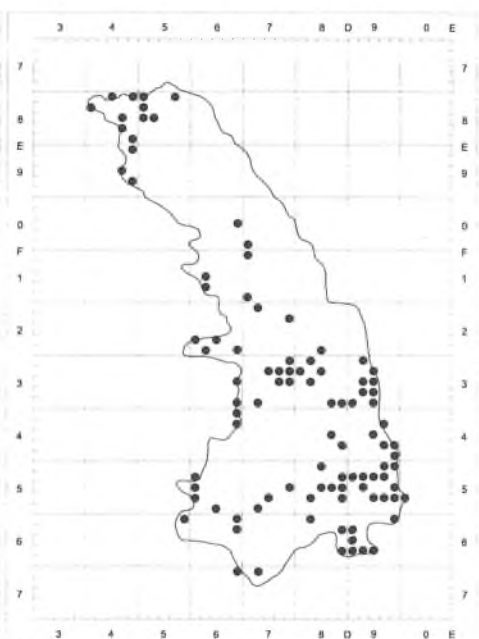
1167. ** *Salsola kali* L.
subsp. *ruthenica* (Iljin) Soó



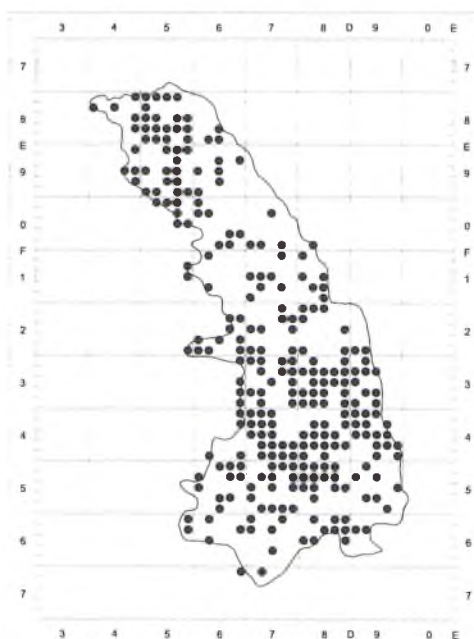
1168. *Salvia glutinosa* L.



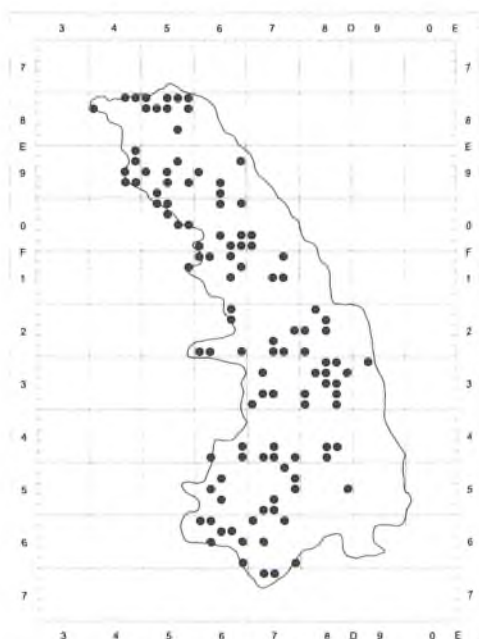
1169. [*] *Salvia nemorosa* L.



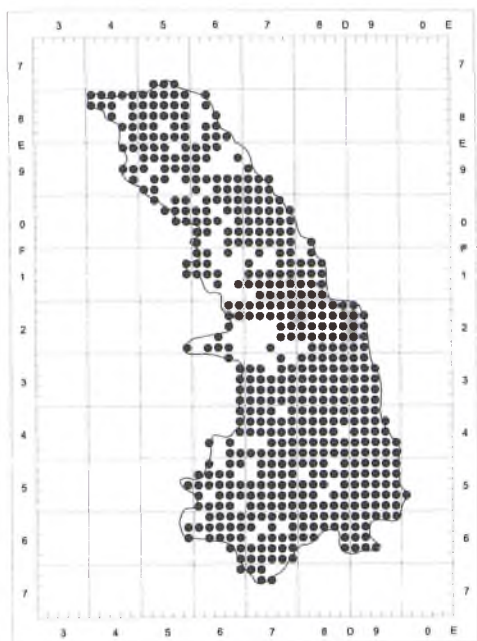
1170. *Salvia pratensis* L.



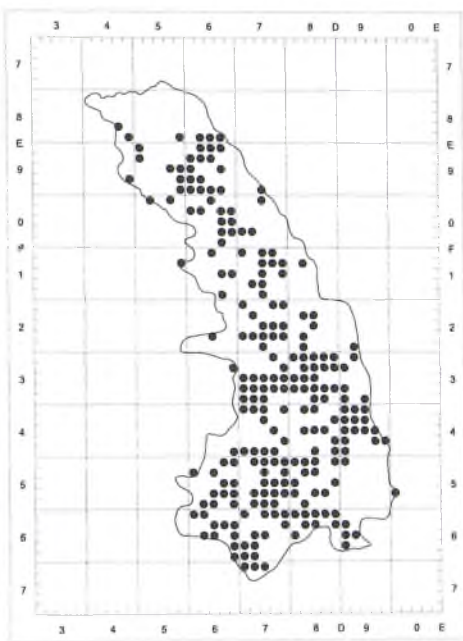
1171. *Salvia verticillata* L.



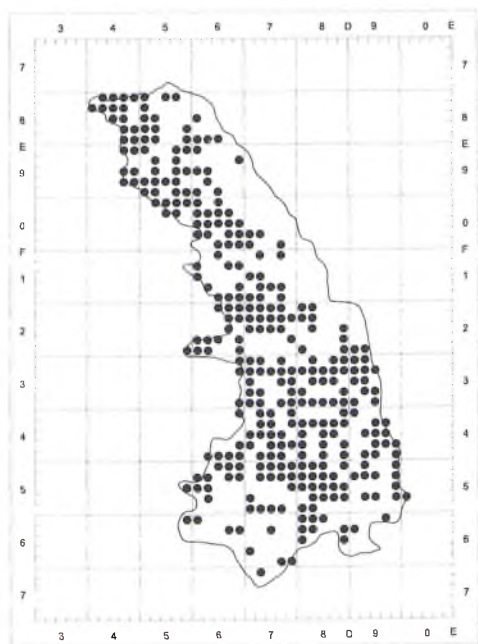
1172. *Sambucus ebulus* L.



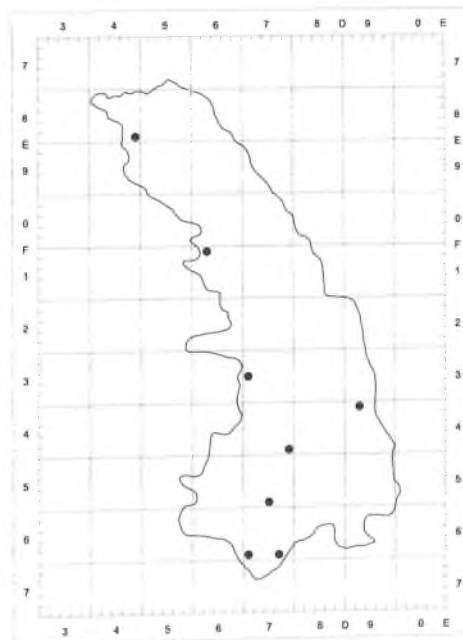
1173. *Sambucus nigra* L.



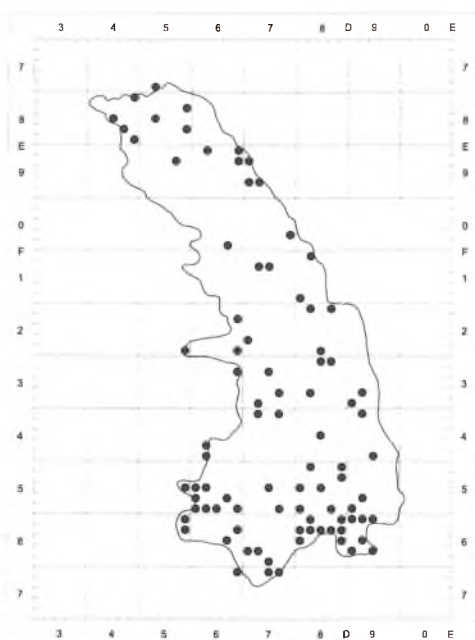
1174. *Sambucus racemosa* L.



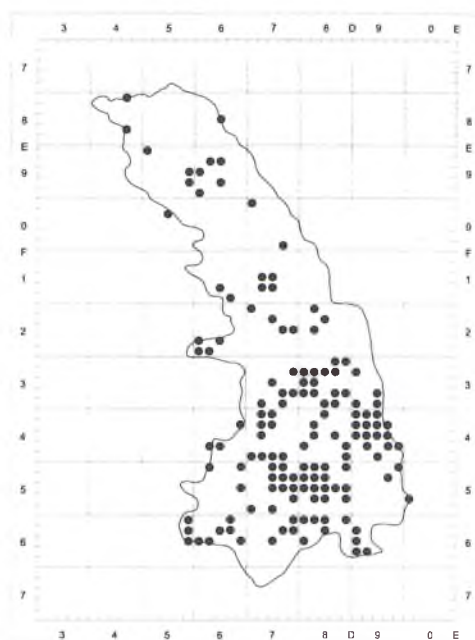
1175. *Sanguisorba minor* Scop. s.str.



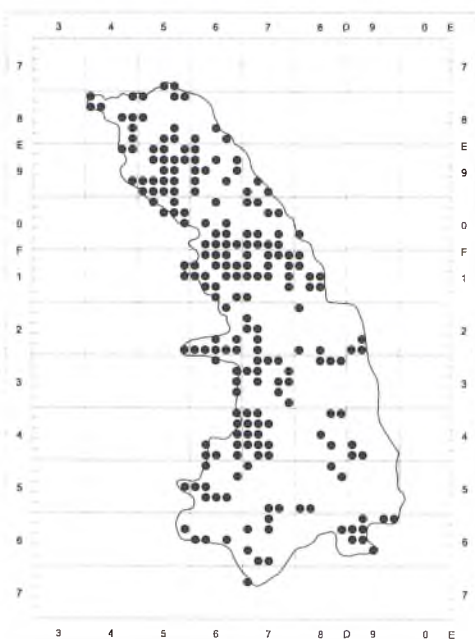
1176. *Sanguisorba muricata* (Spach)
Greml.



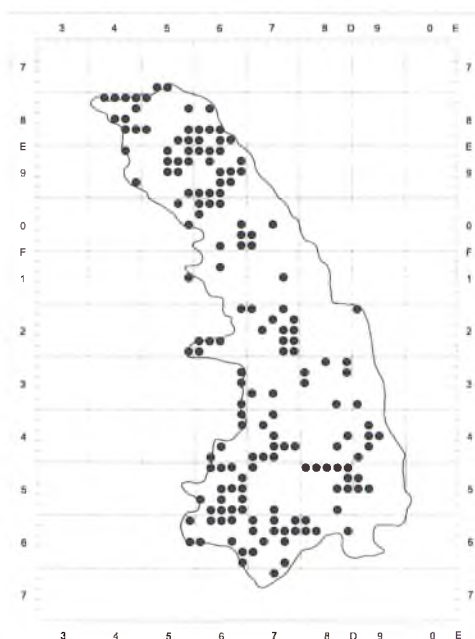
1177. *Sanguisorba officinalis* L.



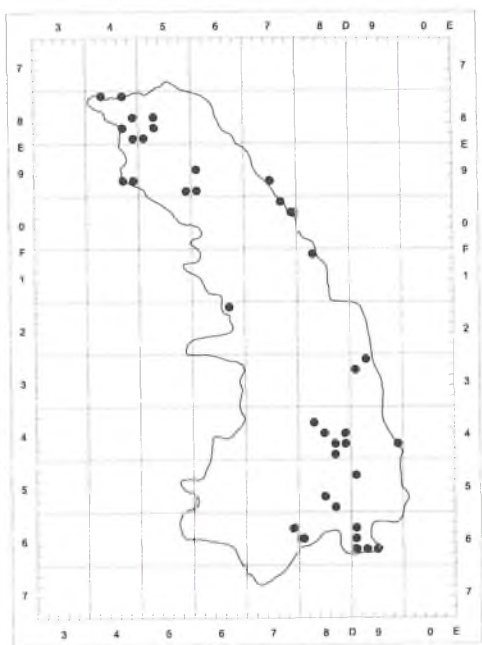
1178. *Sanicula europaea* L.



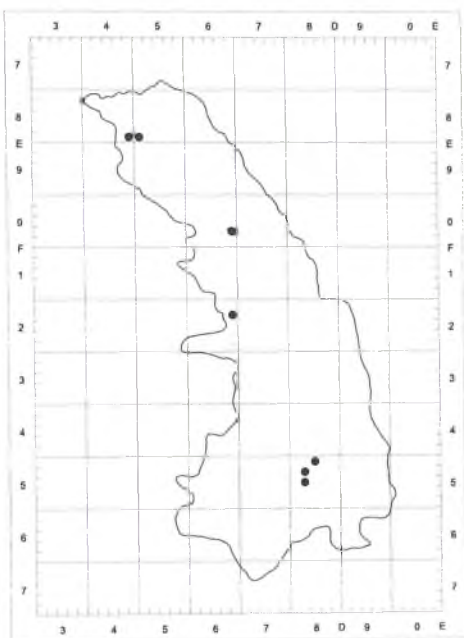
1179. *Saponaria officinalis* L.



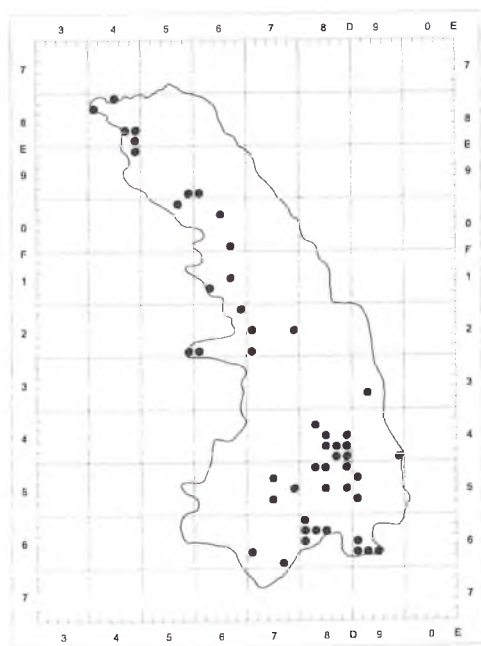
1180. *Sarothamnus scoparius* (L.)
W. D. J. Koch



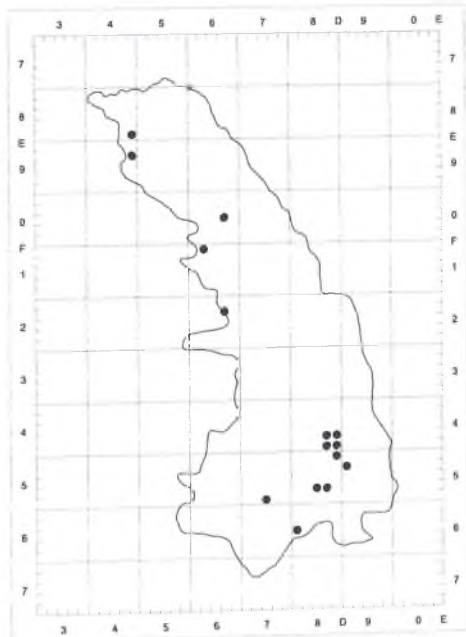
1181. *Saxifraga granulata* L.



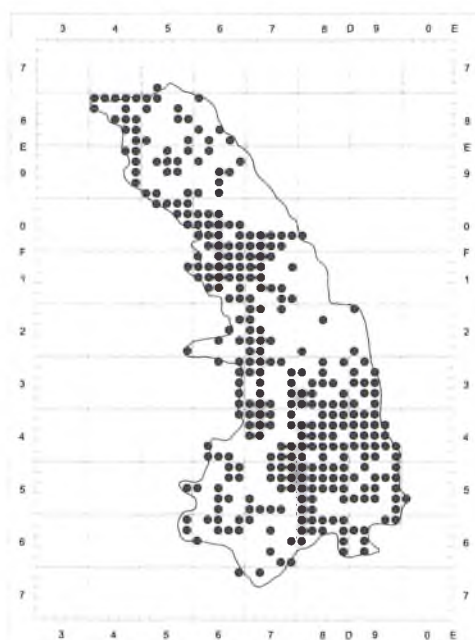
1182. *Saxifraga paniculata* Mill.



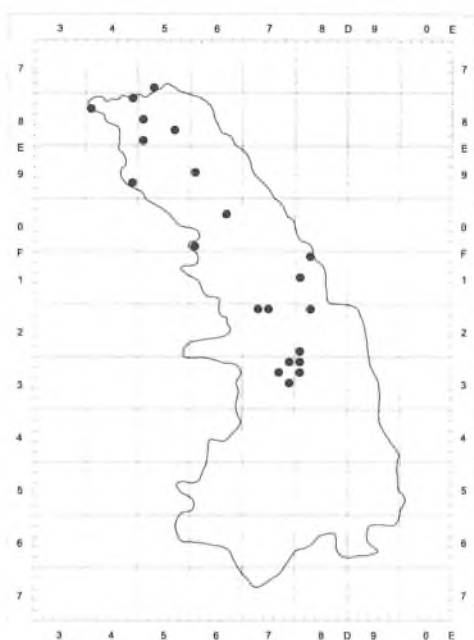
1183. *Saxifraga tridactylites* L.



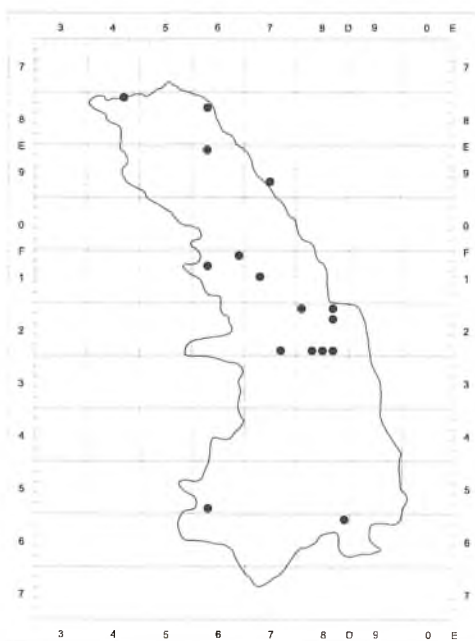
1184. *Scabiosa columbaria* L. s. str.



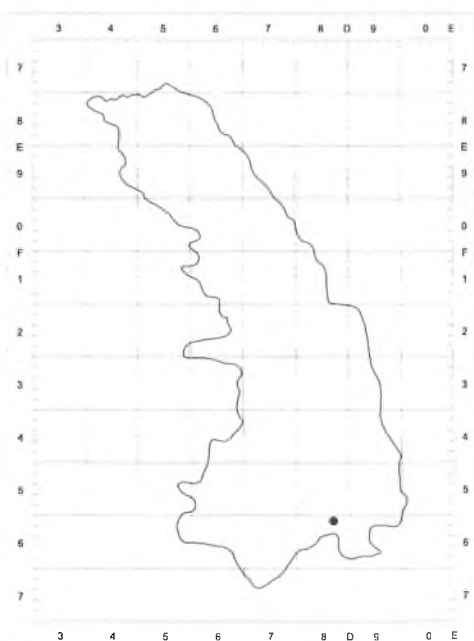
1185. *Scabiosa ochroleuca* L.



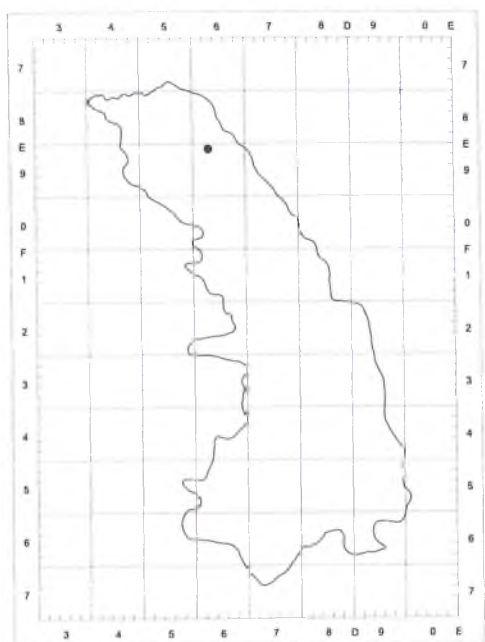
1186. * *Scandix pecten-veneris* L.



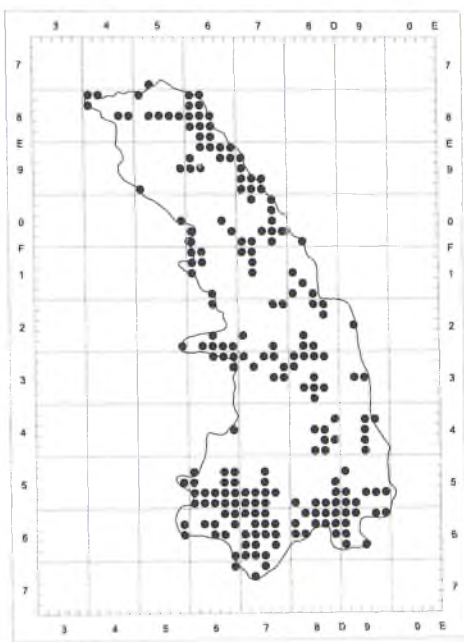
1187. *Schoenoplectus lacustris* (L.)
Palla



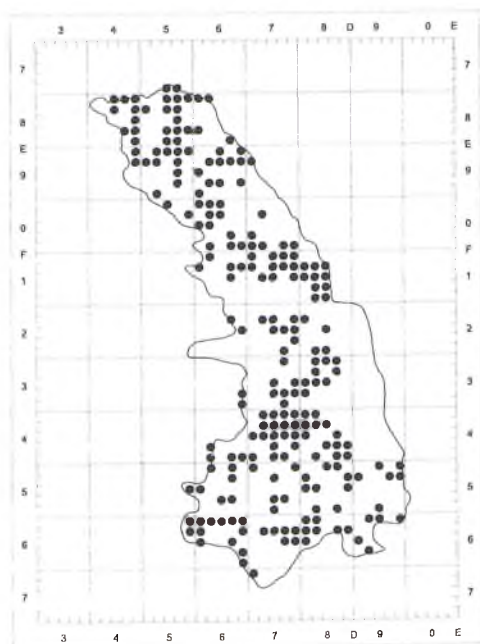
1188. *Schoenoplectus tabernaemontani*
(C. C. Gmel.) Palla



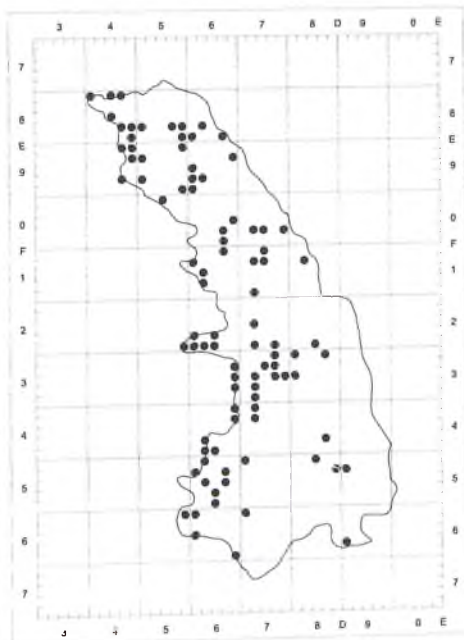
1189. *Scirpoides holoschoenus* (L.)
Soják



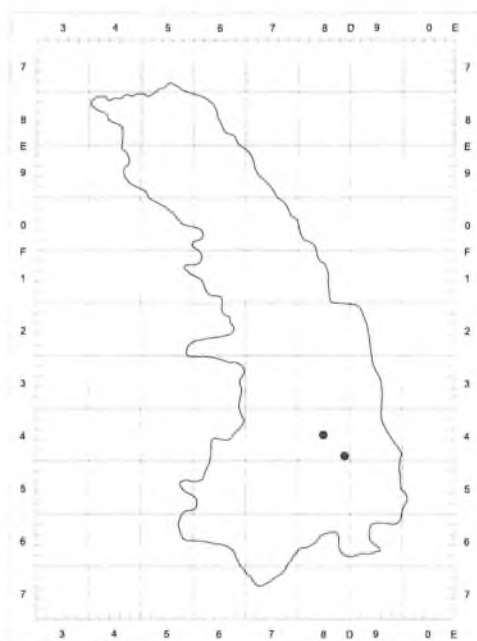
1190. *Scirpus sylvaticus* L.



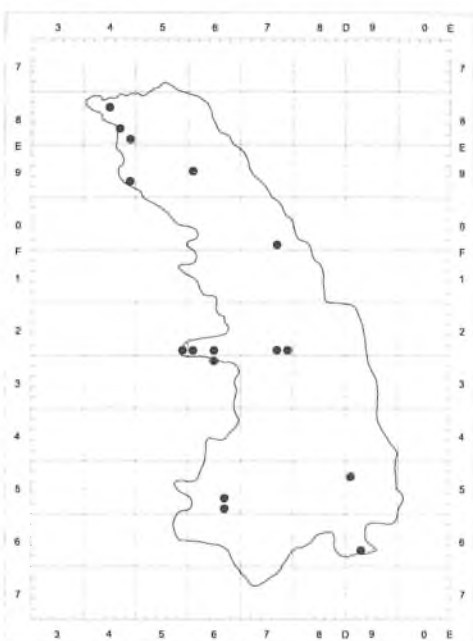
1191. * *Scleranthus annuus* L.



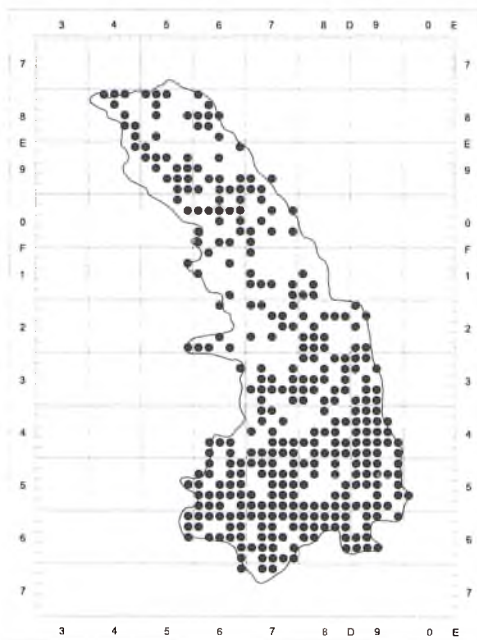
1192. *Scleranthus perennis* L.



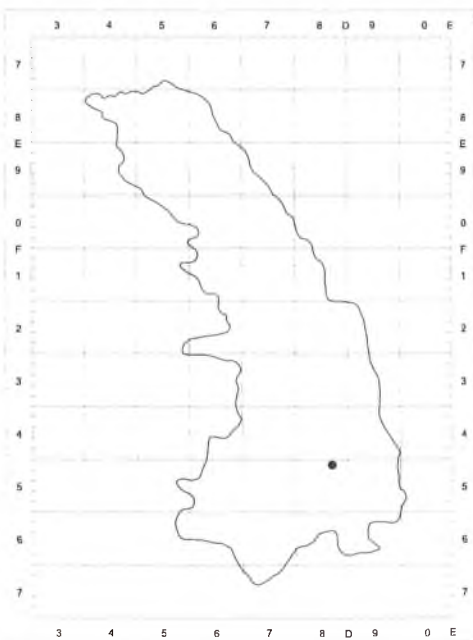
1193. + Δ *Scopolia carniolica* Jacq.



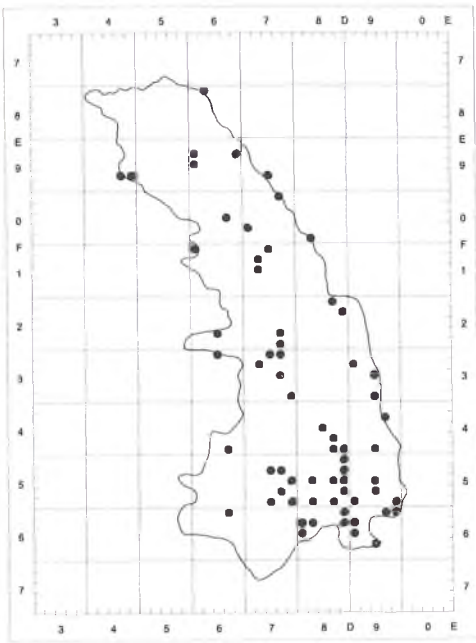
1194. *Scorzonera humilis* L.



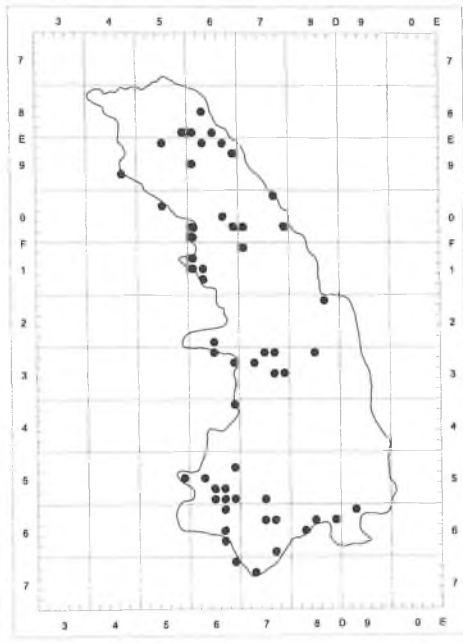
1195. *Scrophularia umbrosa* Dumort.



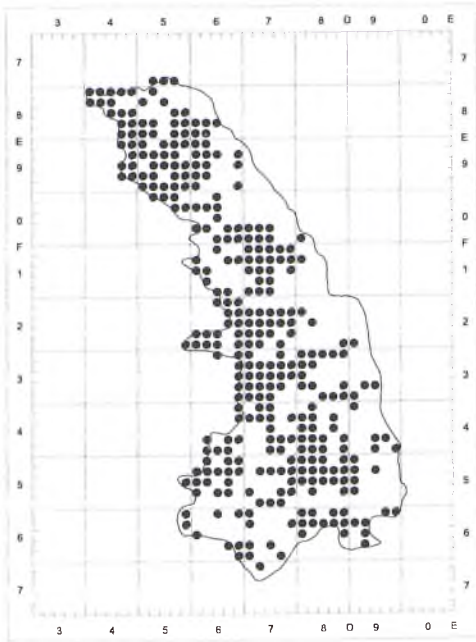
1196. *Scrophularia nodosa* L.



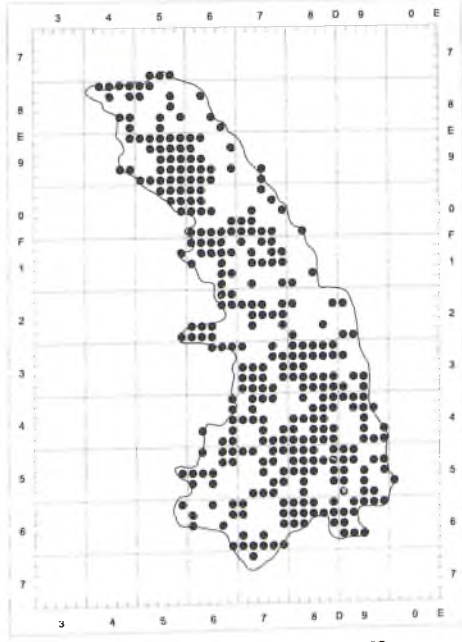
1197. *Scrophularia scopolii* Hoppe



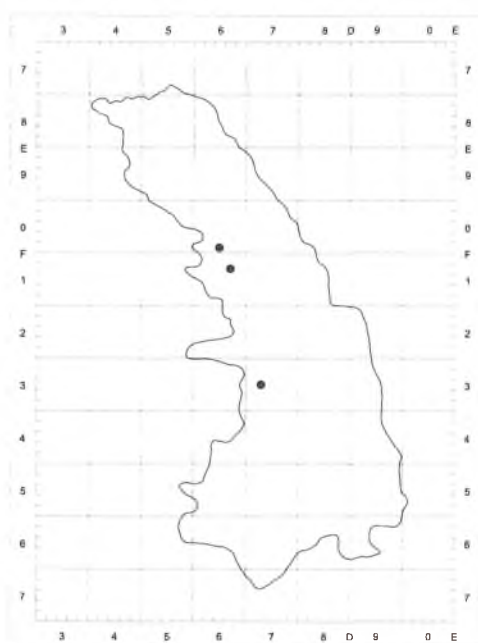
1198. *Scutellaria galericulata* L.



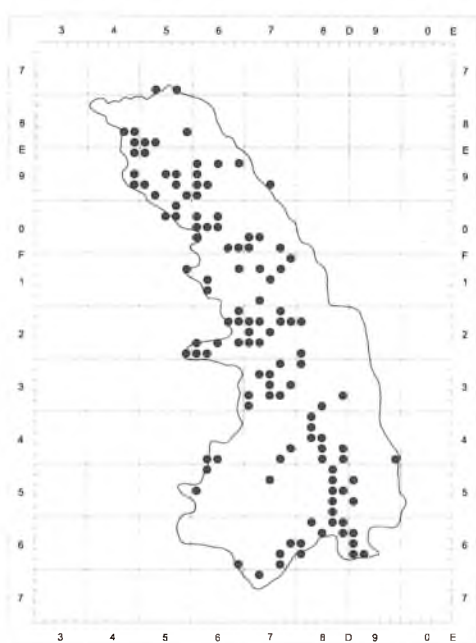
1199. *Sedum acre* L.



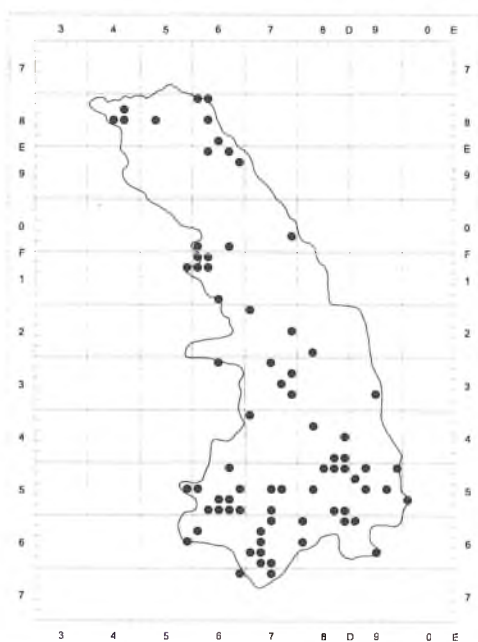
1200. *Sedum maximum* (L.) Hoffm.



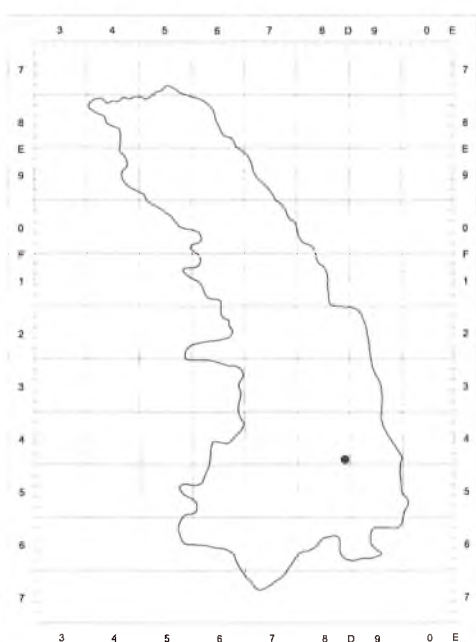
1201. *Sedum reflexum* L.



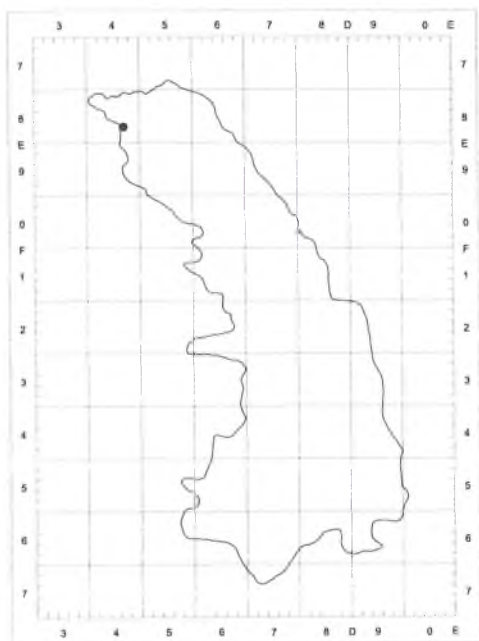
1202. *Sedum sexangulare* L.



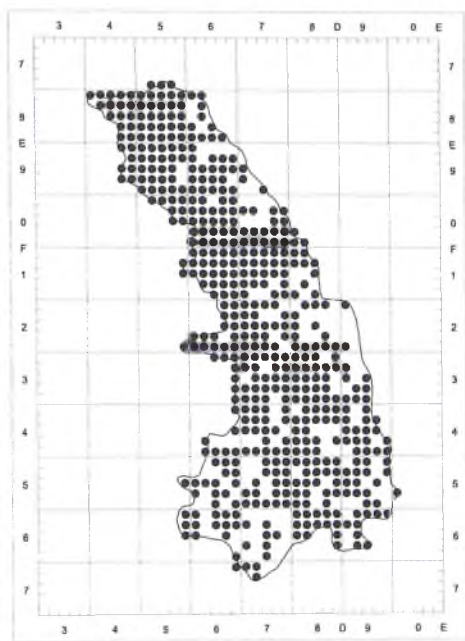
1203. *Selinum carvifolia* (L.) L.



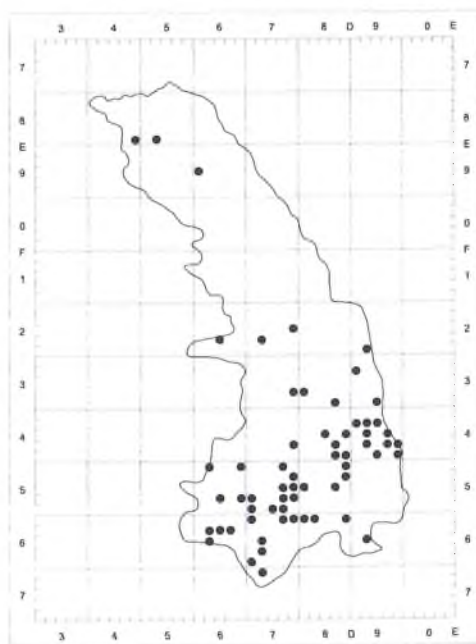
1204. *Senecio aurantiacus* (Hoppe) Less.



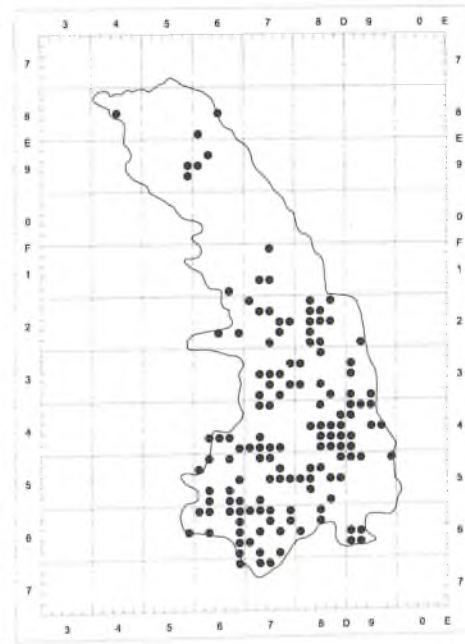
1205. *Senecio barbaraeifolius*
(Krock.) Wimm. & Grab.



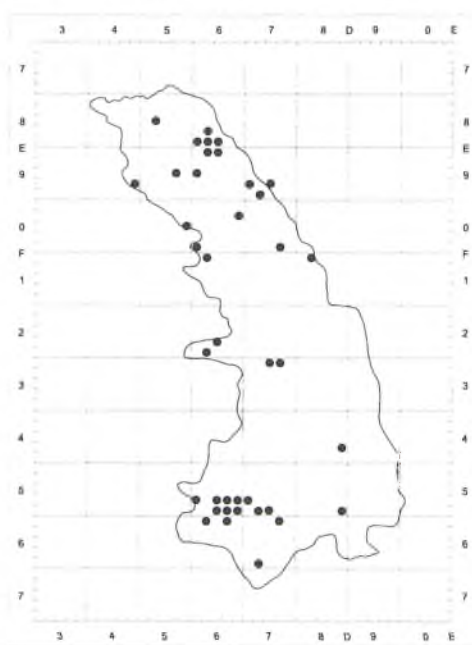
1206. *Senecio nemorensis* L.



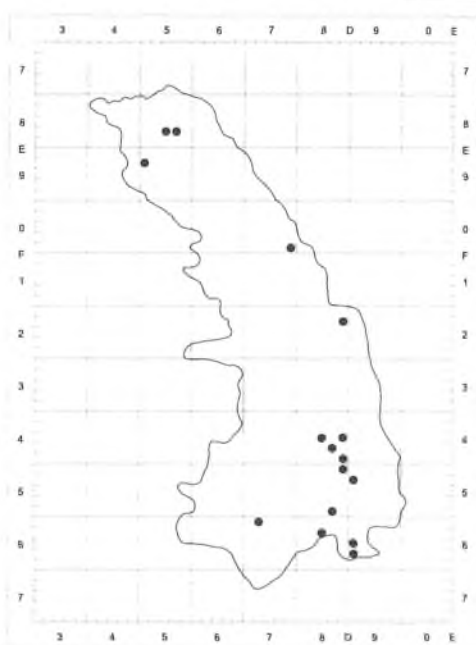
1207. *Senecio jacobaea* L.



1208. *Senecio ovatus* (P. Gaertn.,
B. Mey. & Scherb.) Willd.



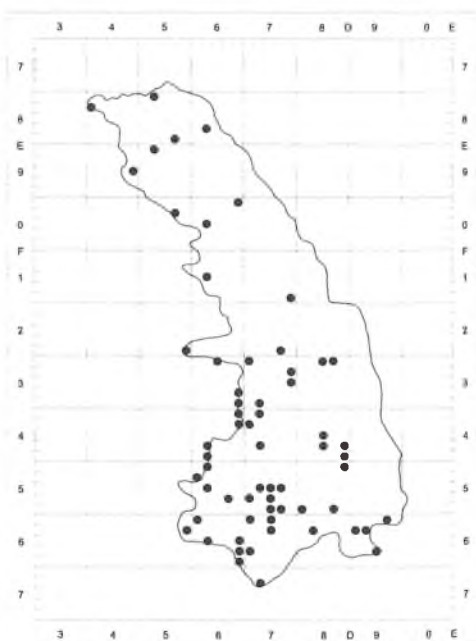
1209. *Senecio rivularis* (Waldst. & Kit.) DC.



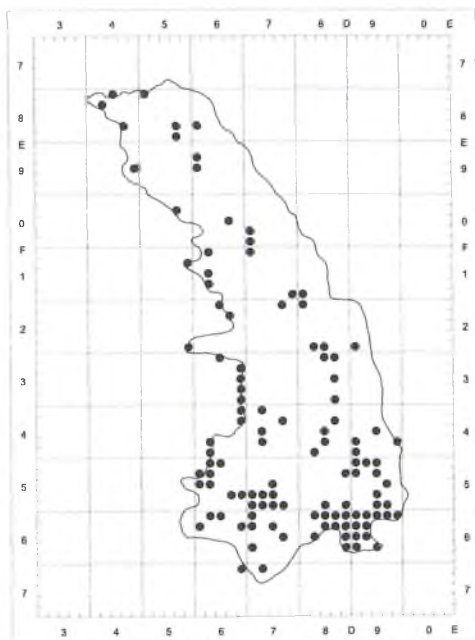
1210. *Senecio sylvaticus* L.



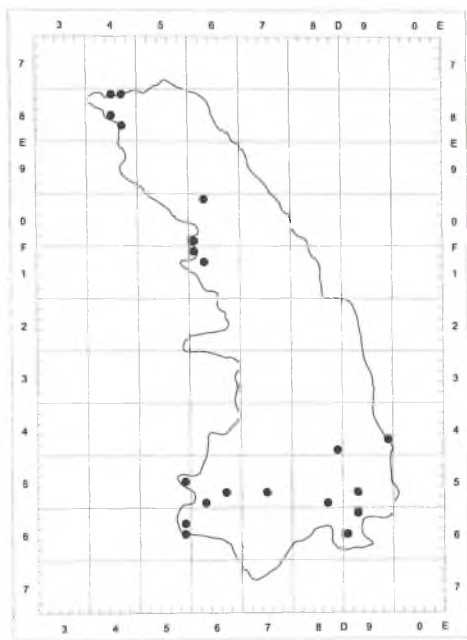
1211. ** *Senecio vernalis*
Waldst. & Kit.



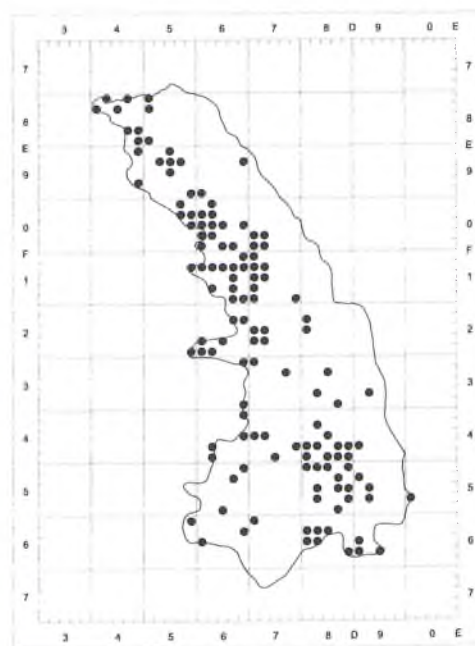
1212. *Senecio viscosus* L.



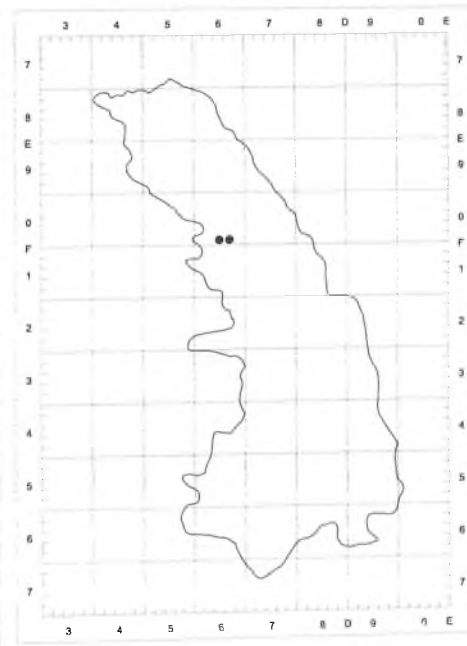
1213. * *Senecio vulgaris* L.



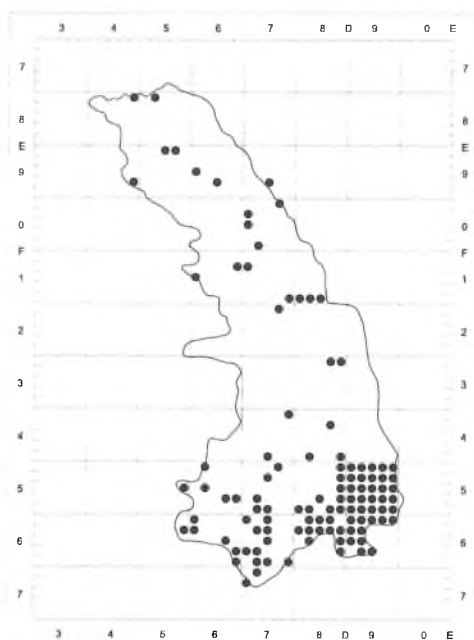
1214. *Serratula tinctoria* L.



1215. *Seseli annuum* L.



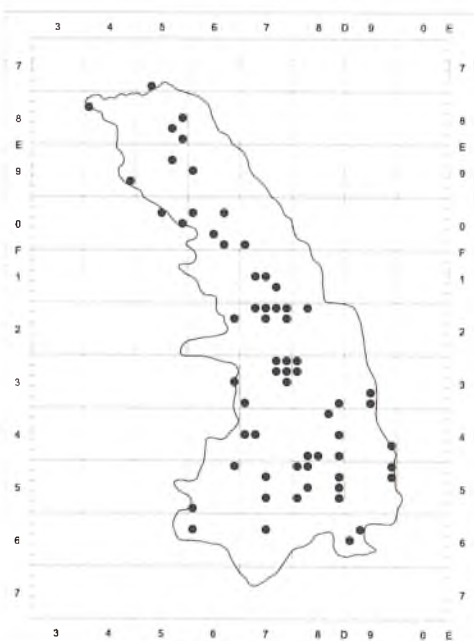
1216. *Sesleria uliginosa* Opiz



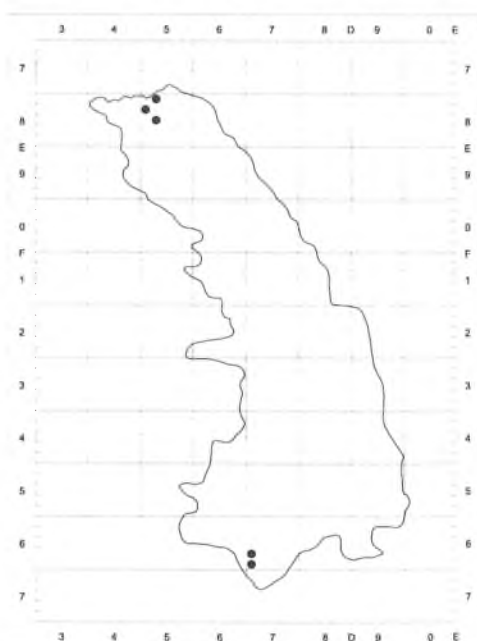
1217. * *Setaria pumila* (Poir.)
Roem. & Schult.



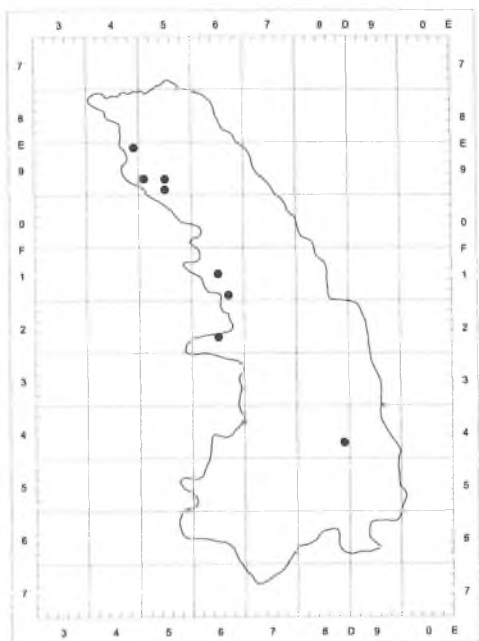
1218. * *Setaria viridis* (L.) P. Beauv.



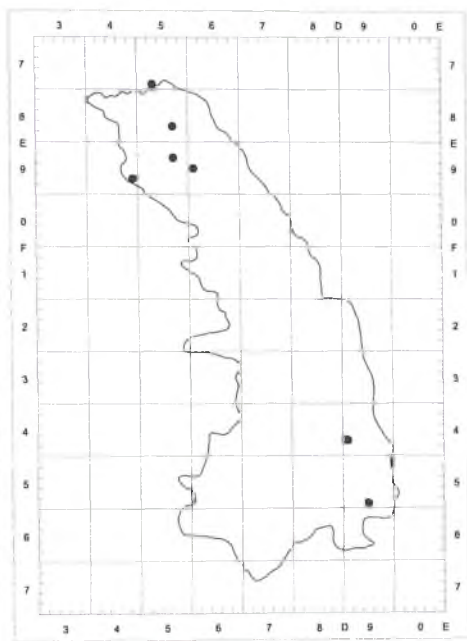
1219. * *Sherardia arvensis* L.



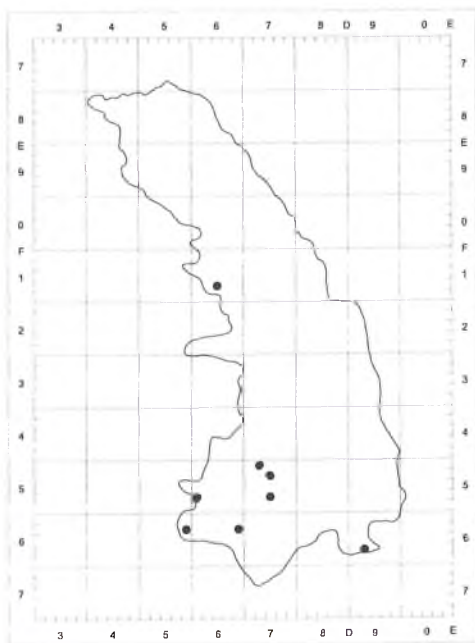
1220. *Silaus silaus* (L.) Schinz & Thell.



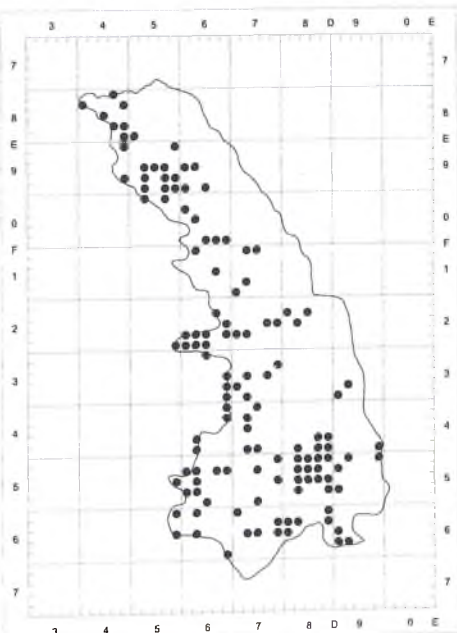
1221. *Silene chlorantha* (Willd.) Ehrh.



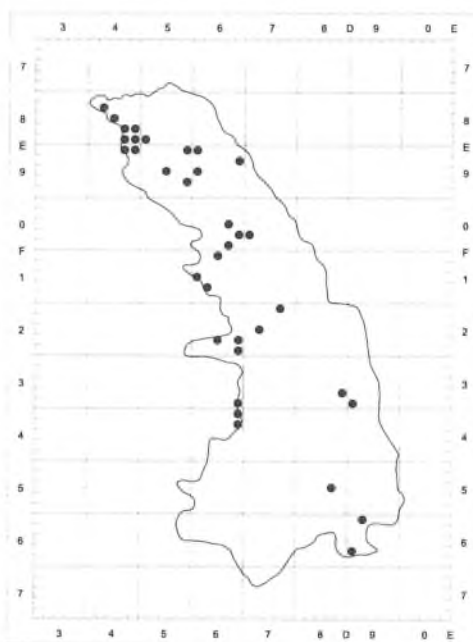
1222. ** *Silene dichotoma* Ehrh.



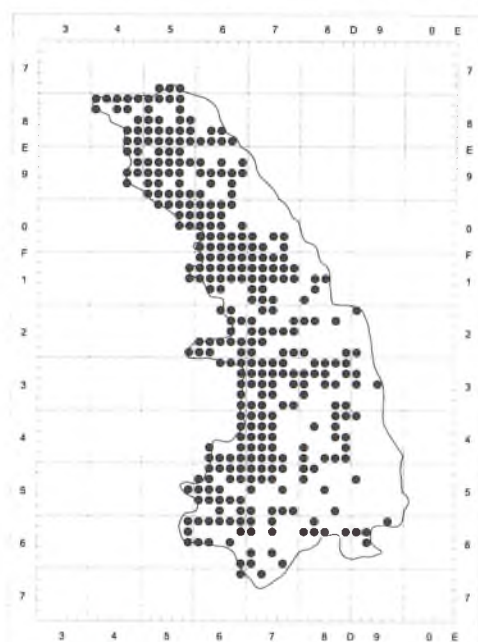
1223. * *Silene gallica* L.



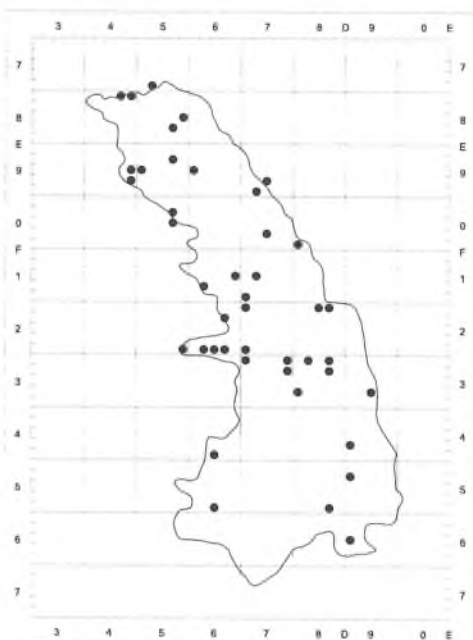
1224. *Silene nutans* L.



1225. *Silene otites* (L.) Wibel



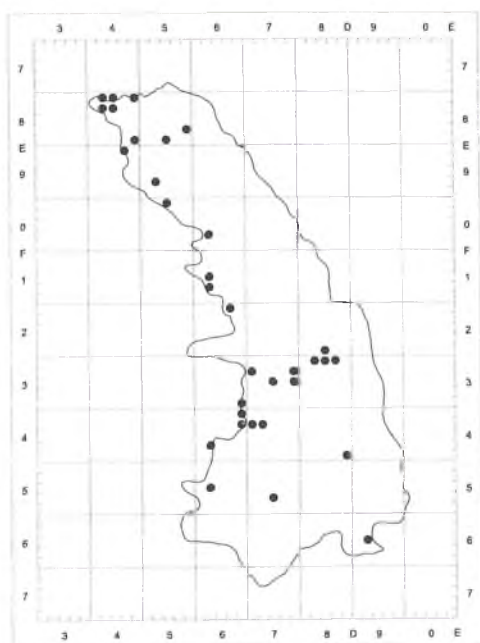
1226. *Silene vulgaris* (Moench) Garcke



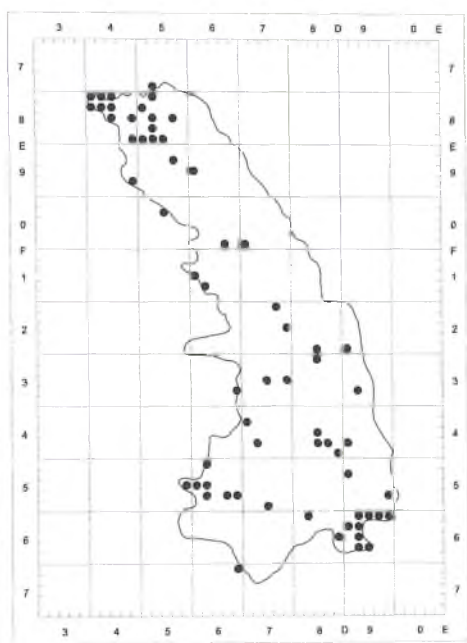
1227. ** *Sinapis alba* L.



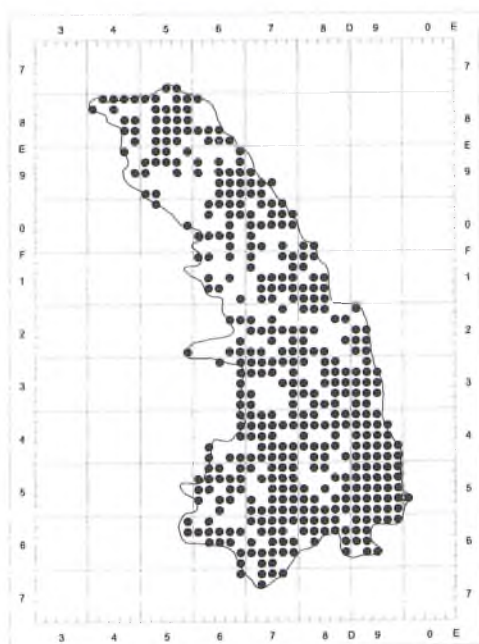
1228. * *Sinapis arvensis* L.



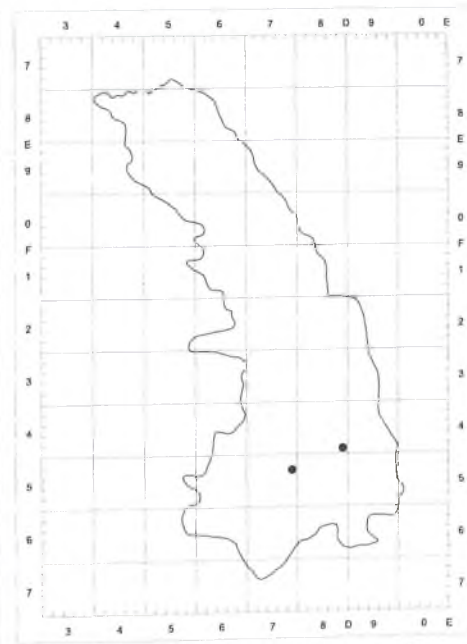
1229. ** *Sisymbrium altissimum* L.



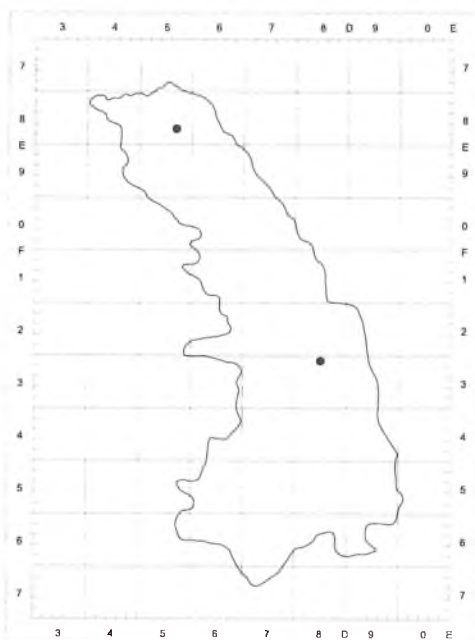
1230. ** *Sisymbrium loeselii* L.



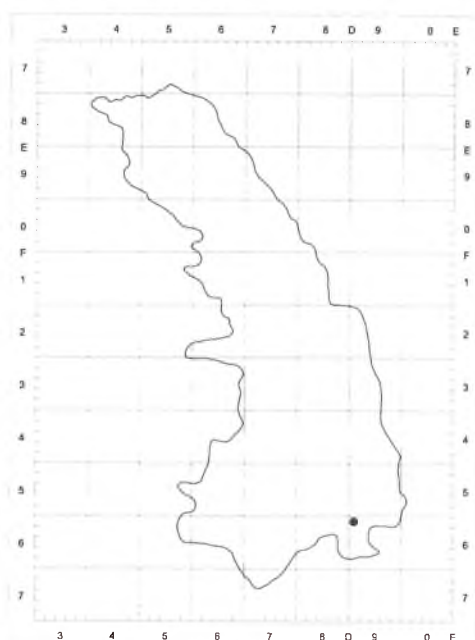
1231. * *Sisymbrium officinale* (L.) Scop.



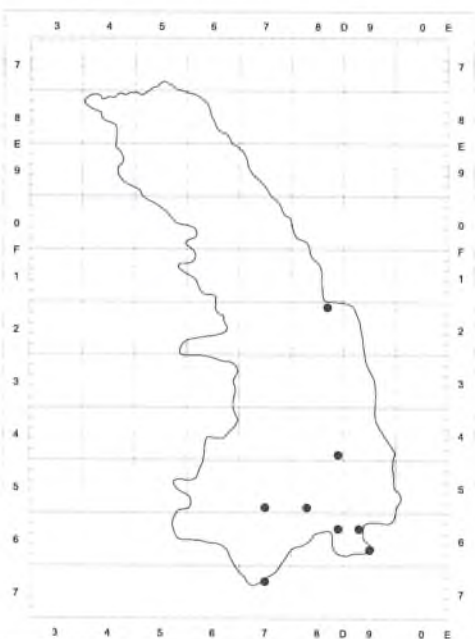
1232. + *Sisymbrium strictissimum* L.



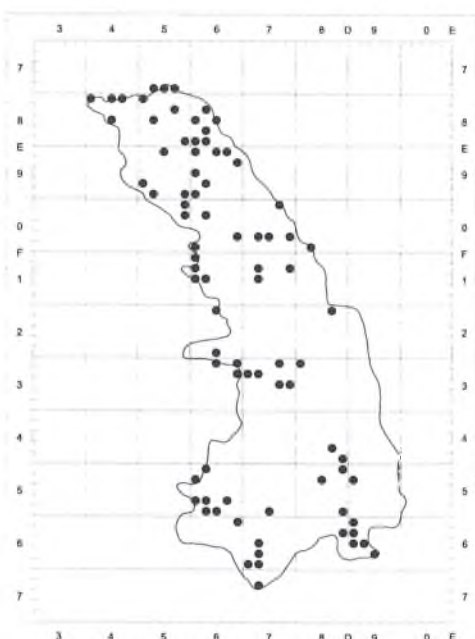
1233. ** *Sisymbrium wolgense* M.
Bieb. ex E. Fourn.



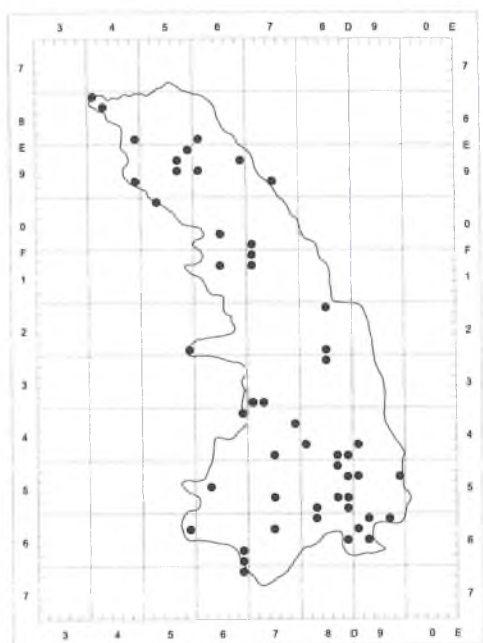
1234. ** *Sisyrinchium bermudiana* L.
emend. Farw.



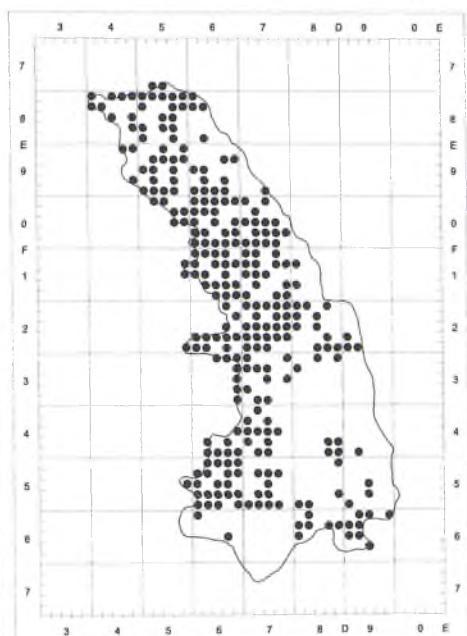
1235. *Sium latifolium* L.



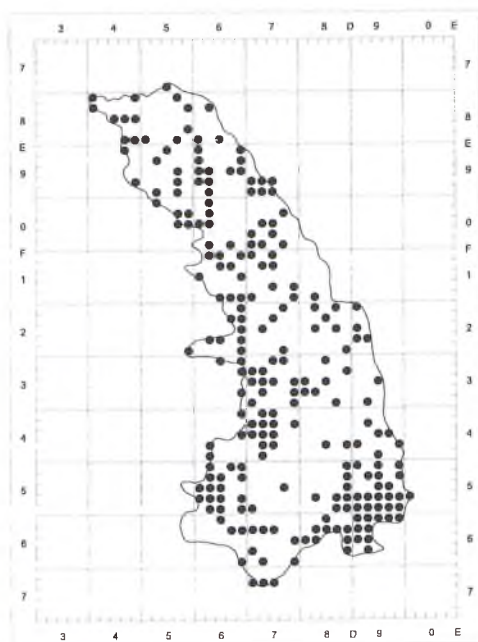
1236. *Solanum dulcamara* L.



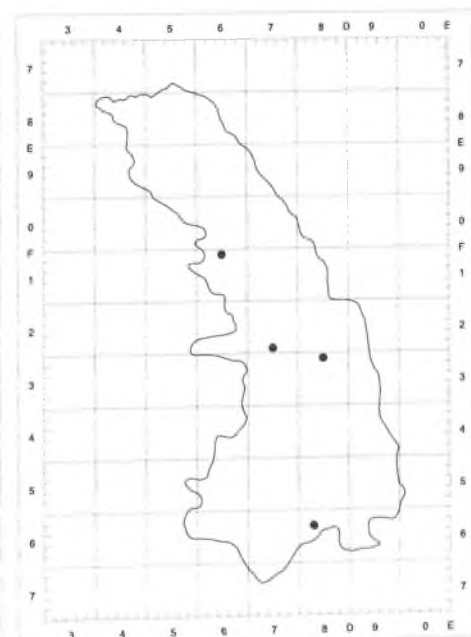
1237. * *Solanum nigrum* L.



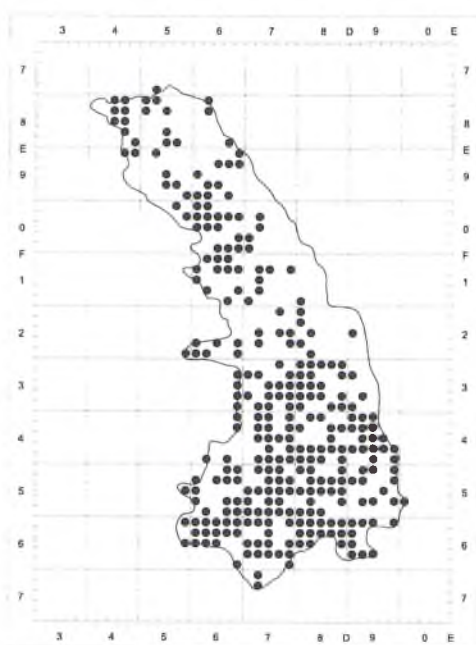
1238. ** *Solidago canadensis* L.



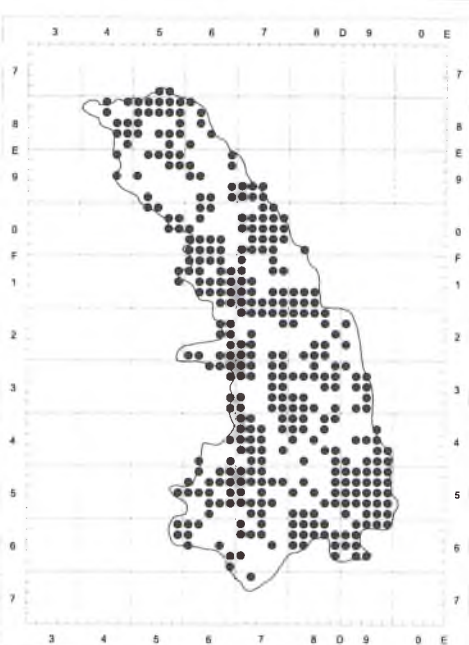
1239. ** *Solidago gigantea* Aiton



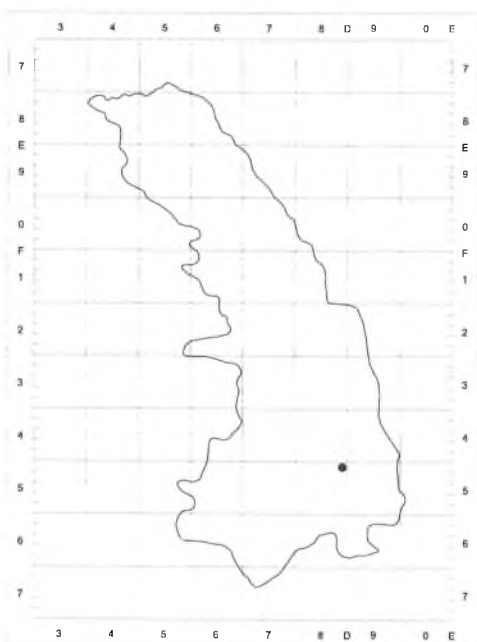
1240. ** *Solidago graminifolia* (L.)
Elliott



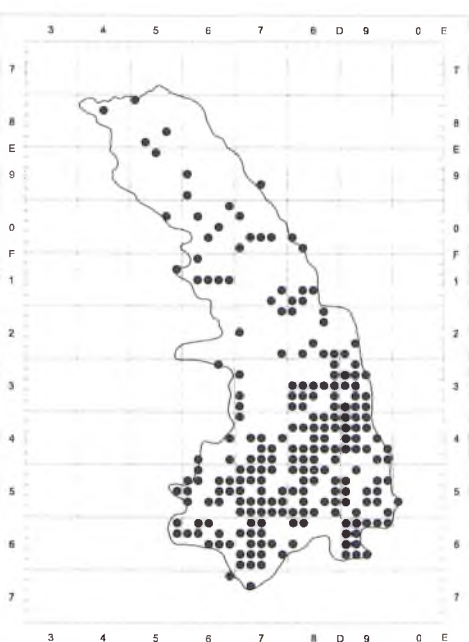
1241. *Solidago virgaurea* L. s. str.



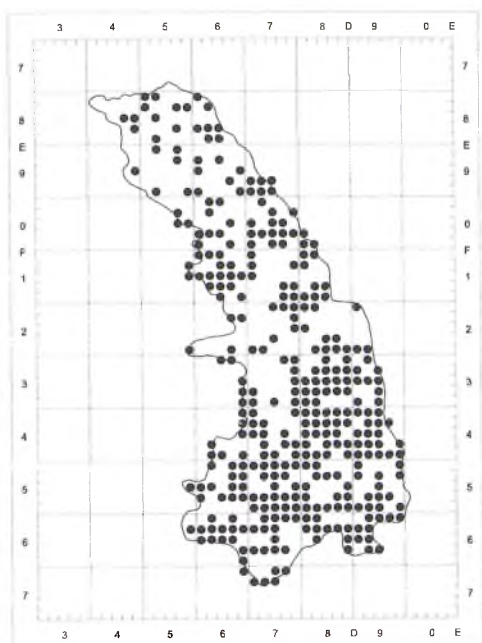
1242. *Sonchus arvensis* L.
subsp. *arvensis*



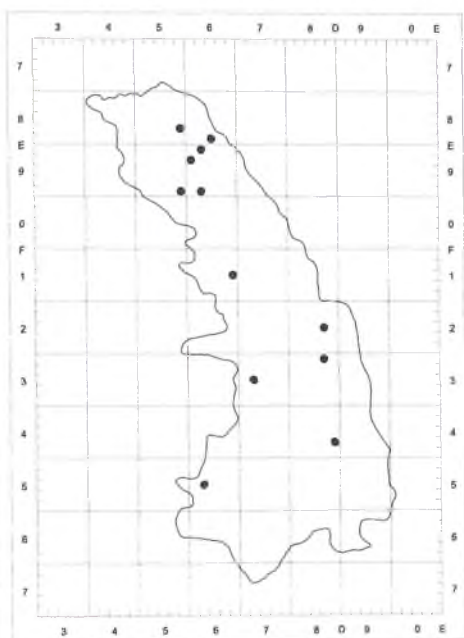
1243. *Sonchus arvensis* subsp.
uliginosus (M. Bieb.) Nyman



1244. * *Sonchus asper* (L.) Hill.



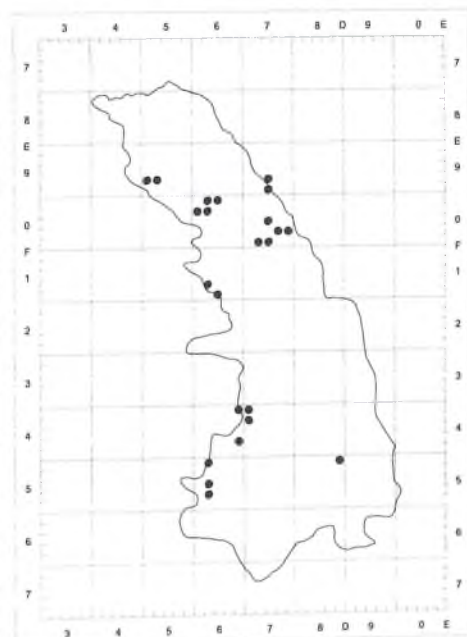
1245. * *Sonchus oleraceus* L.



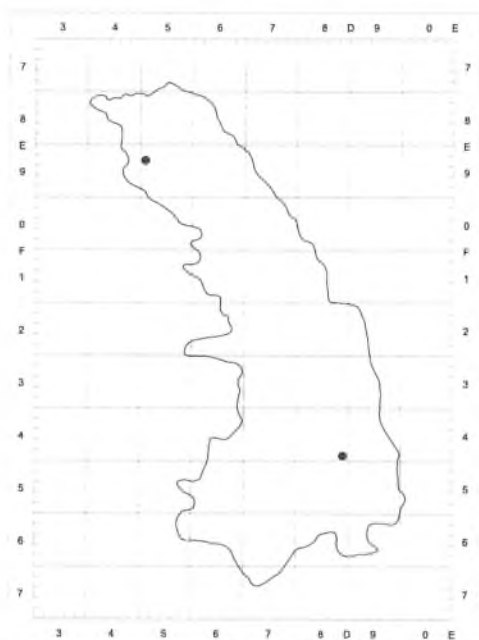
1246. ** *Sorbaria sorbifolia* (L.) A. BR.



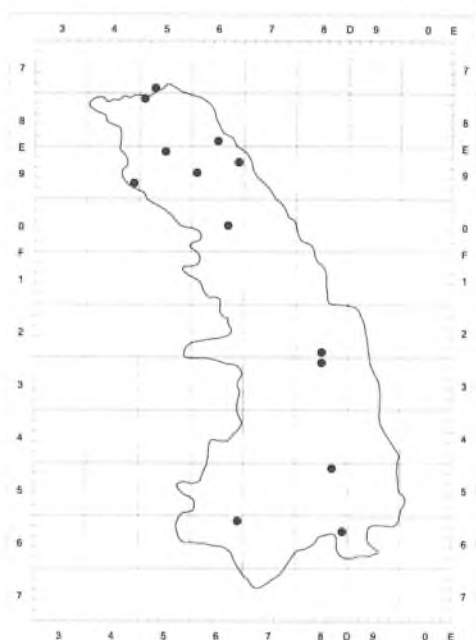
1247. *Sorbus aucuparia* L. emend.
Hedl.



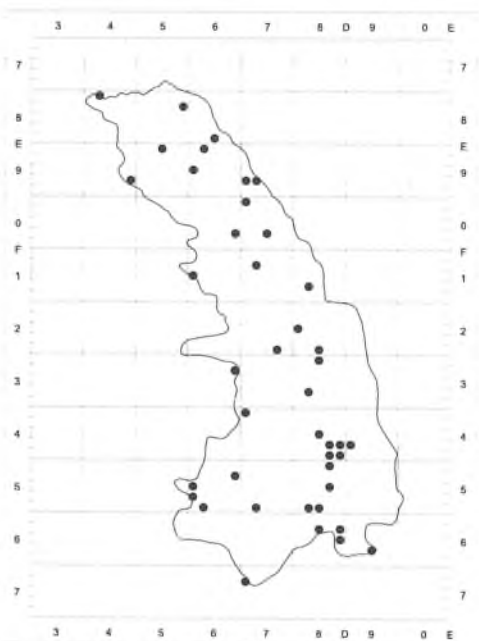
1248. [*] Δ *Sorbus intermedia* (Ehrh)
Pers.



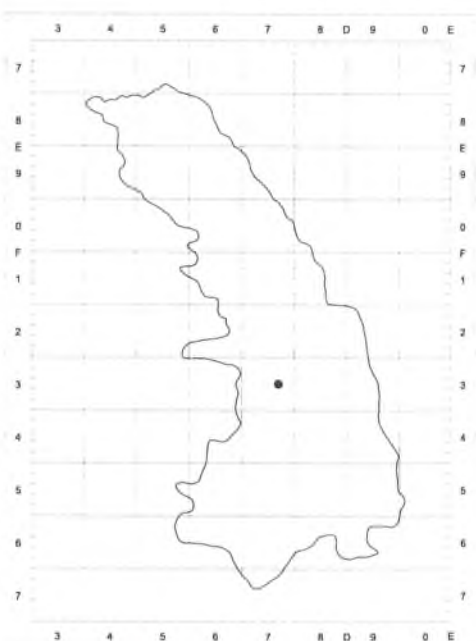
1249. *Sorbus torminalis* (L.) Crantz



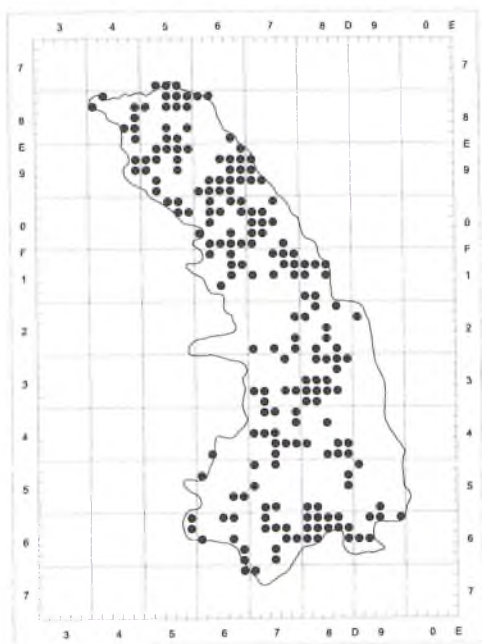
1250. *Sparganium emersum* Rehmann



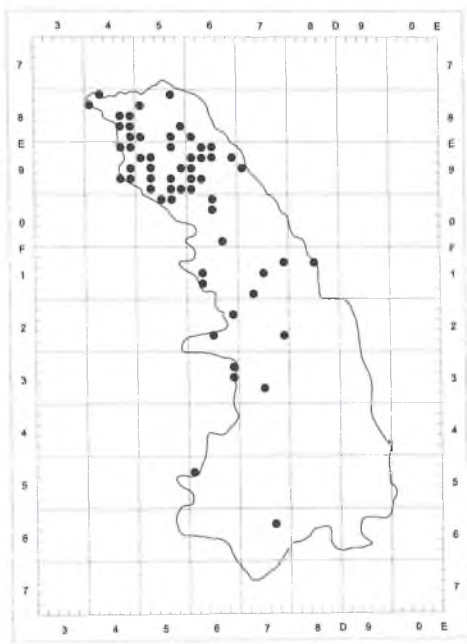
1251. *Sparganium erectum* L.
emend. Rchb. s. str.



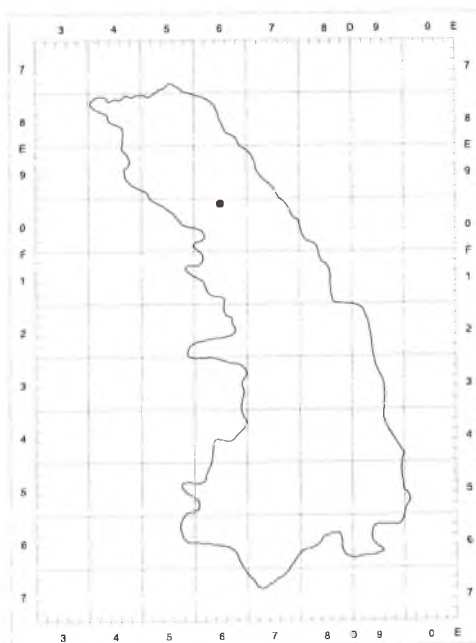
1252. *Sparganium minimum* Wallr.



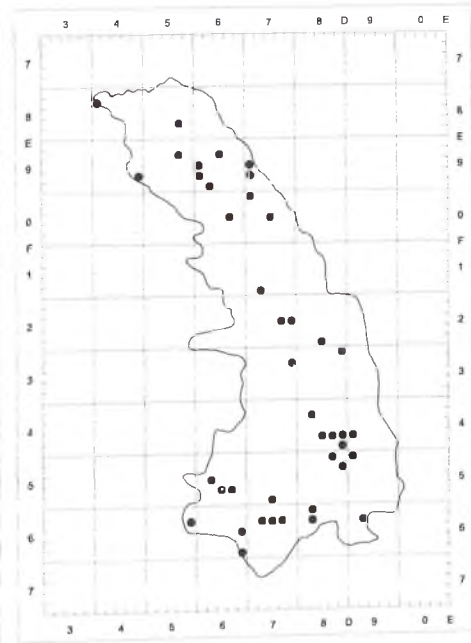
1253. * *Spargula arvensis* L.



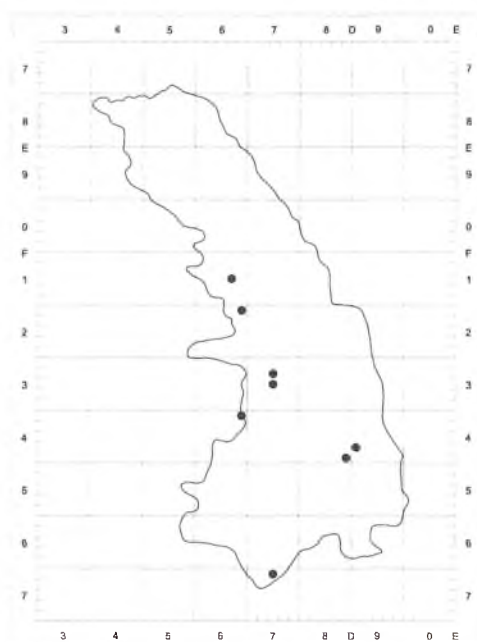
1254. *Spargula morisonii* Boreau



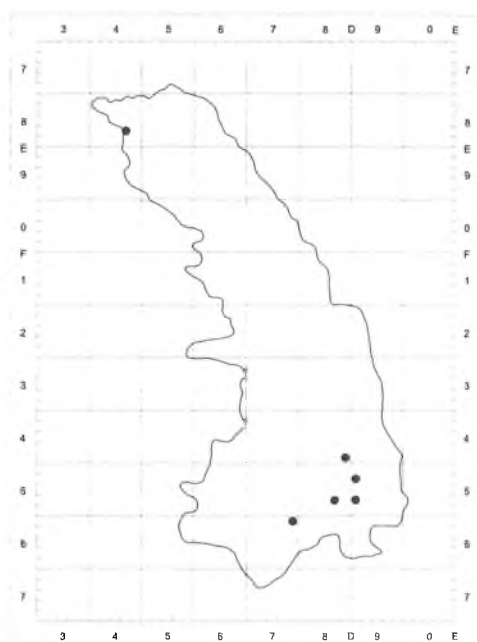
1255. *Spargula pentandra* L.



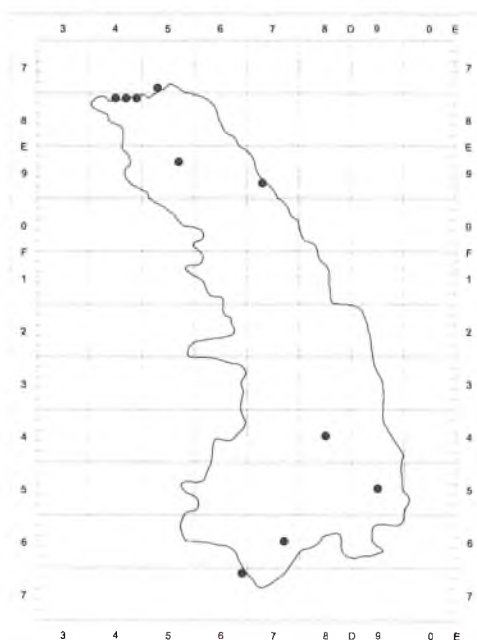
1256. *Spargularia rubra* (L.)
J. Presl & C. Presl



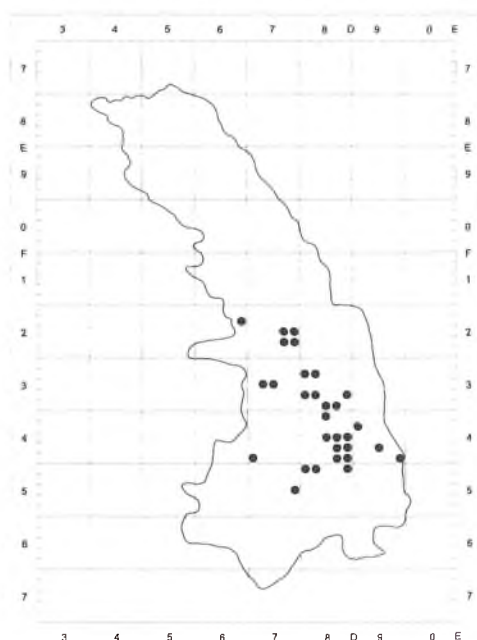
1257. ** *Spiraea* $\times$ *pseudosalicifolia*
Siverside



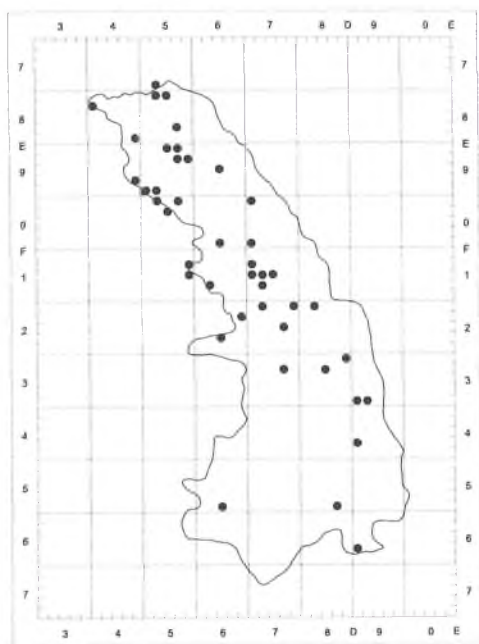
1258. + *Spiranthes spiralis* (L.) Chevall.



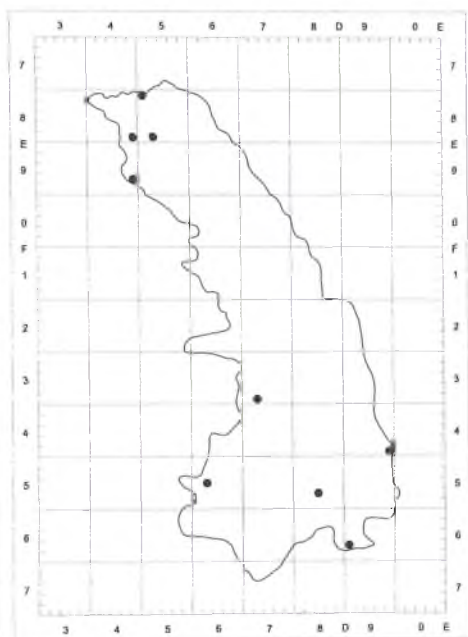
1259. *Spirodela polyrhiza* (L.) Schleid.



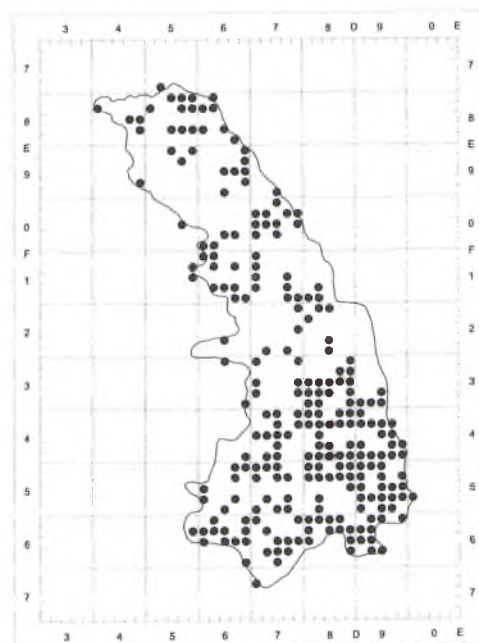
1260. *Stachys alpina* L.



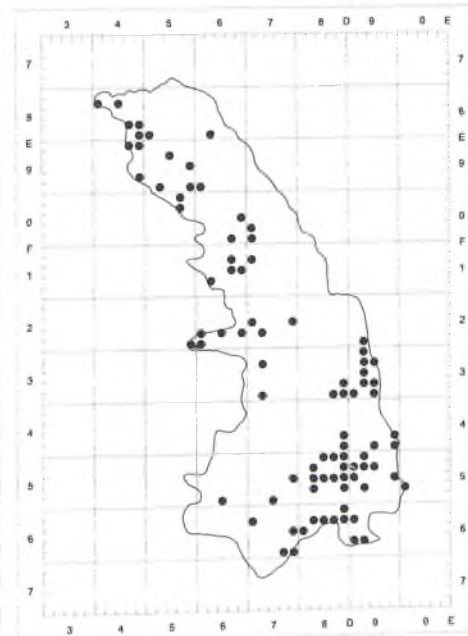
1261. * *Stachys annua* L.



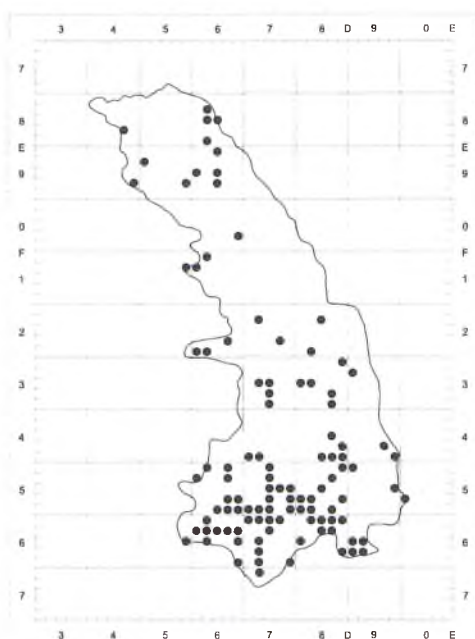
1262. *Stachys germanica* L.



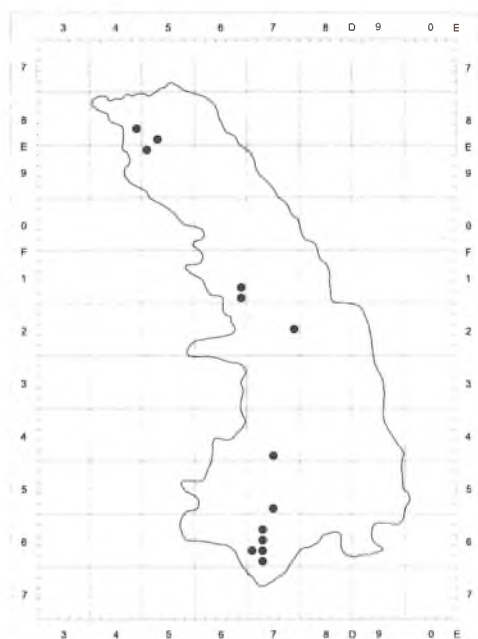
1263. *Stachys palustris* L.



1264. *Stachys recta* L.



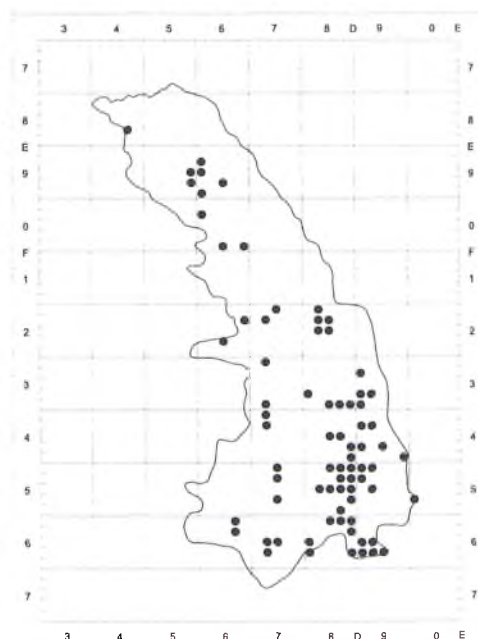
1265. *Stachys sylvatica* L.



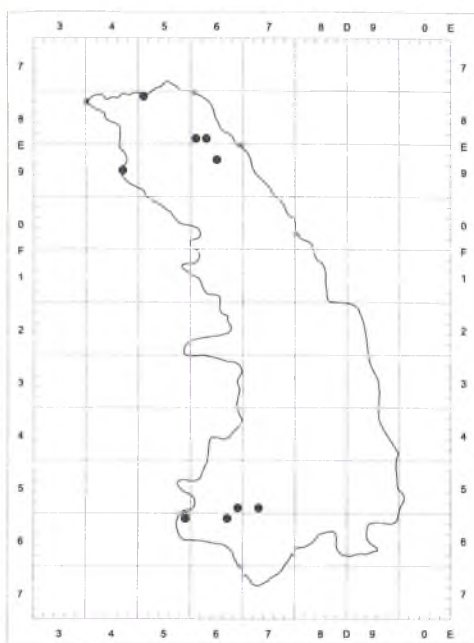
1266. *Staphylea pinnata* L.



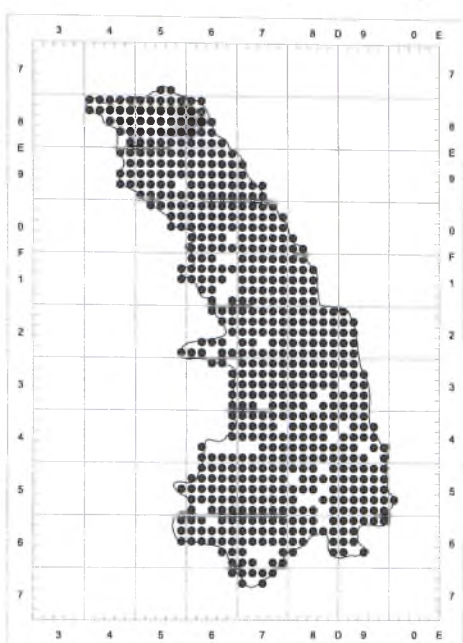
1267. *Stellaria graminea* L.



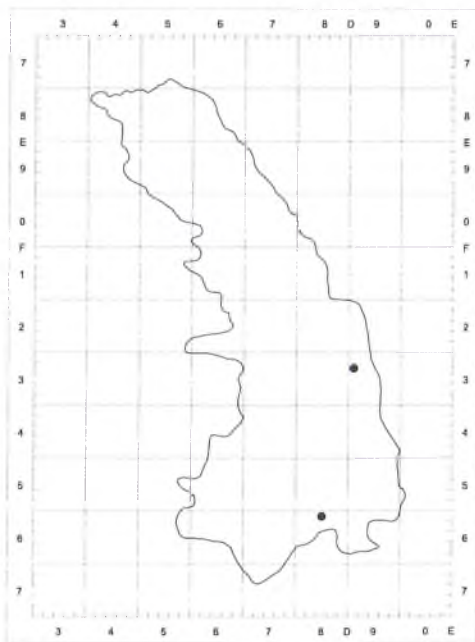
1268. *Stellaria holostea* L.



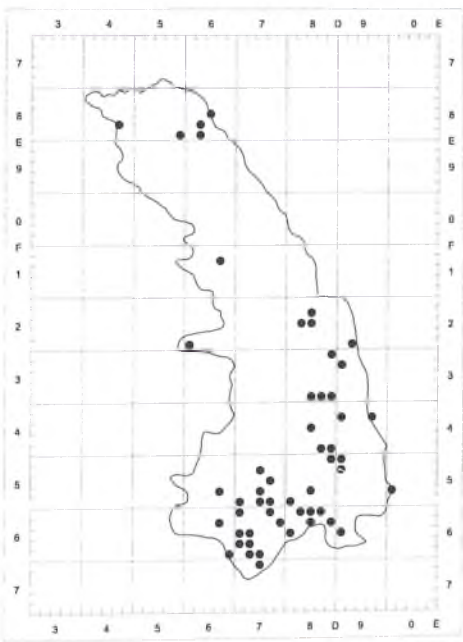
1269. *Stellaria longifolia*
H. L. Mühl. ex Willd.



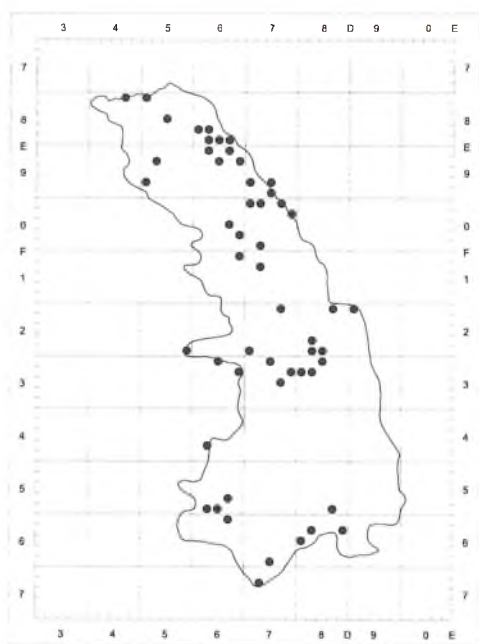
1270. *Stellaria media* (L.) Vill.



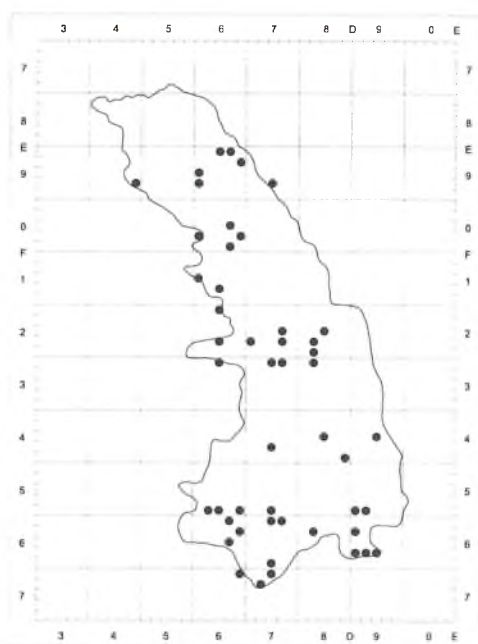
1271. *Stellaria neglecta* Weihe



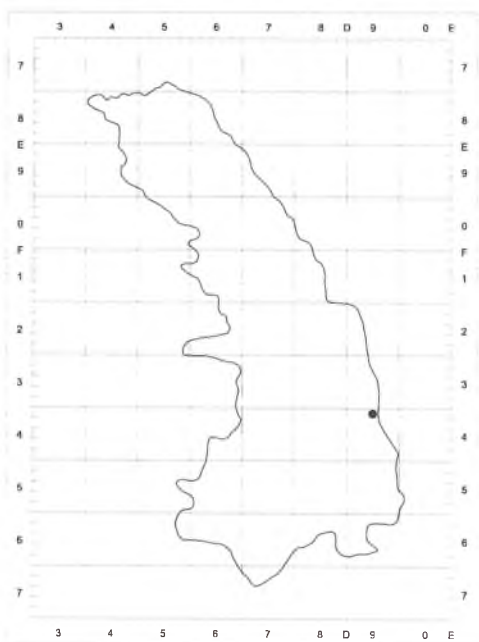
1272. *Stellaria nemorum* L.



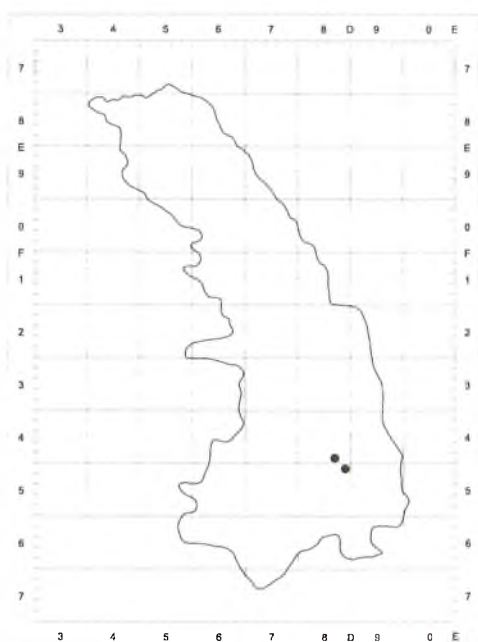
1273. *Stellaria palustris* Retz.



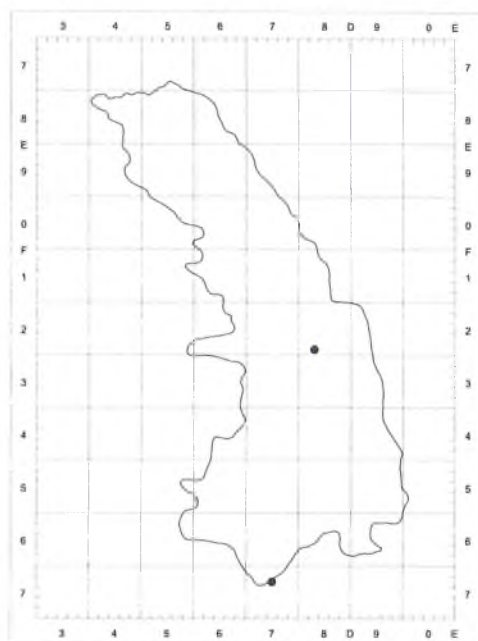
1274. *Stellaria uliginosa* Murray



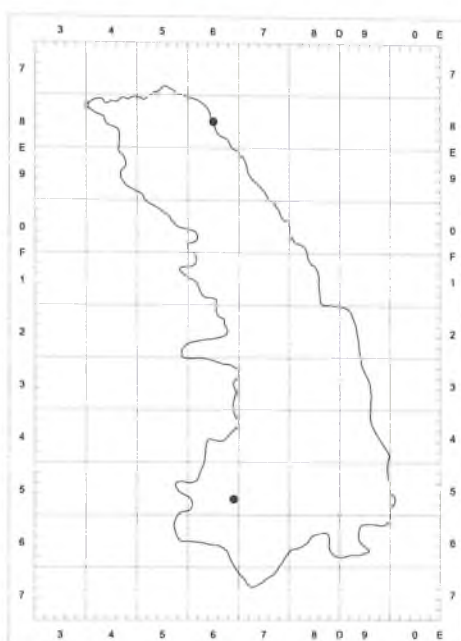
1275. *Stipa capillata* L.



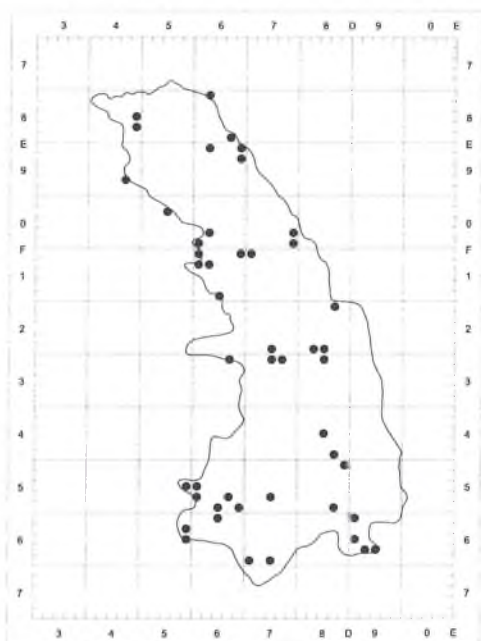
1276. *Stipa joannis* Celak. s. str.



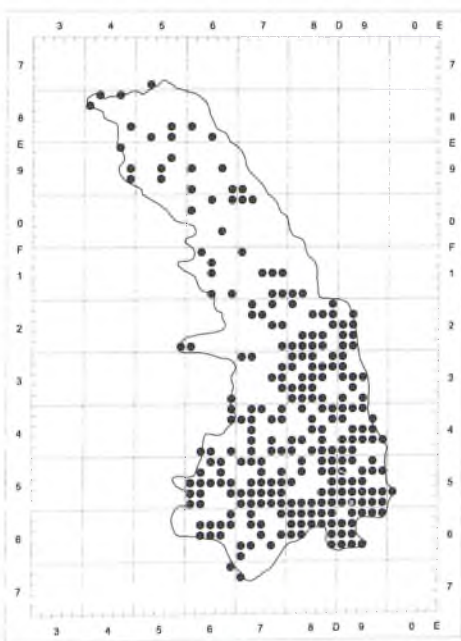
1277. *Stratiotes aloides* L.



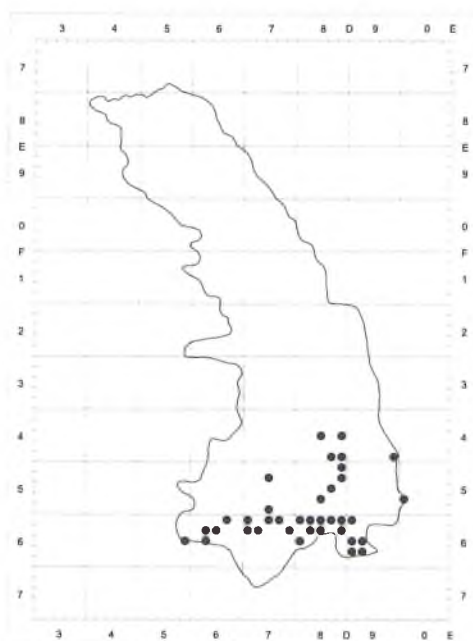
1278. *Streptopus amplexifolius* (L.) DC.



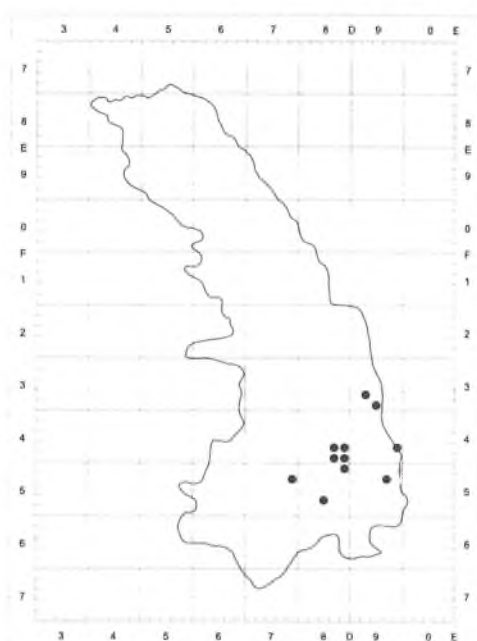
1279. *Succisa pratensis* Moench



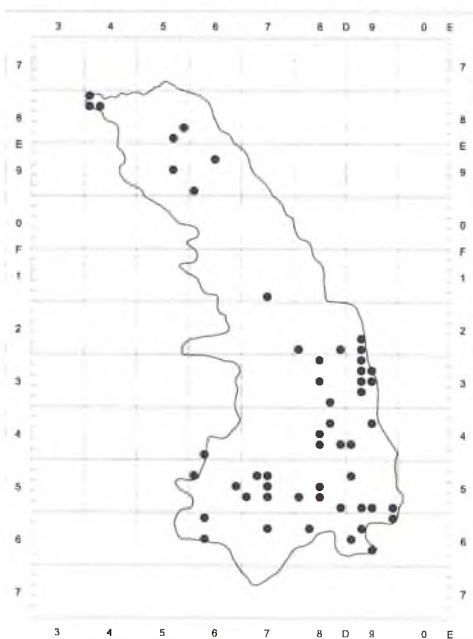
1280. *Symphytum officinale* L.



1281. *Symphytum tuberosum* L.



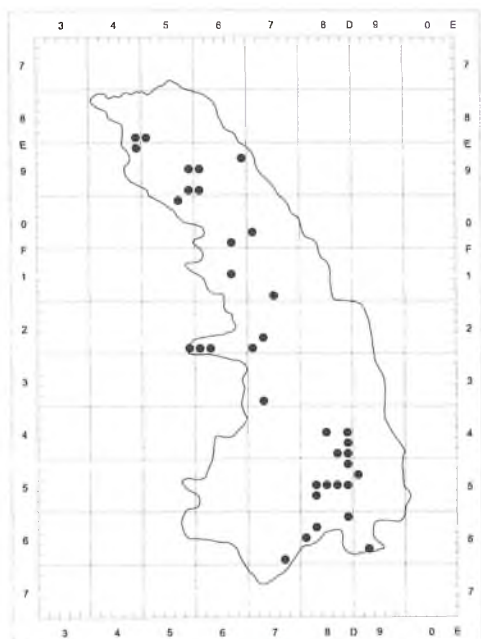
1282. *Tanacetum corymbosum* (L.)
Sch. Bip. subsp. *corymbosum*



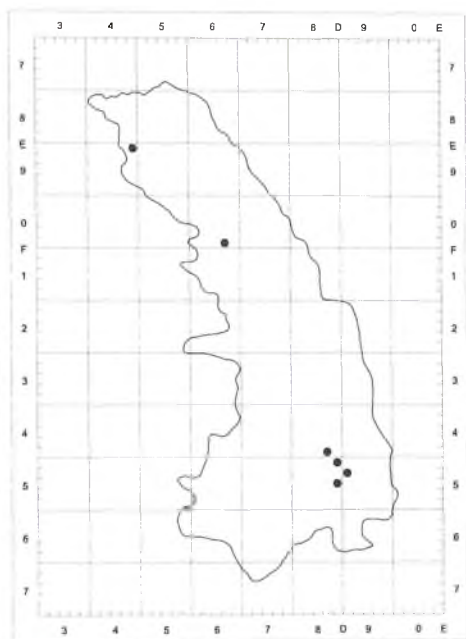
1283. ** *Tanacetum parthenium* (L.)
Sch. Bip.



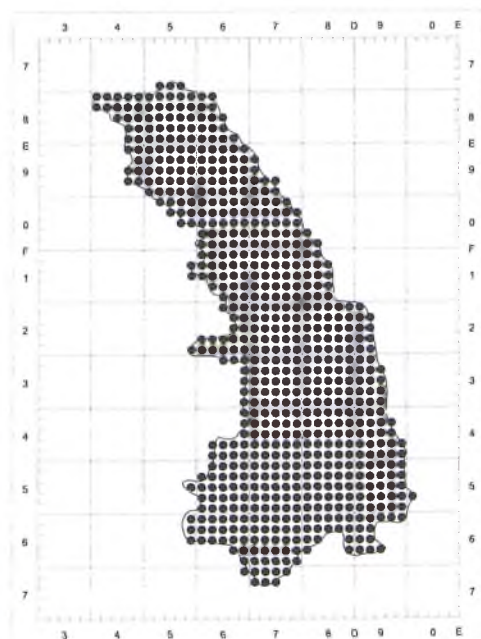
1284. *Tanacetum vulgare* L.



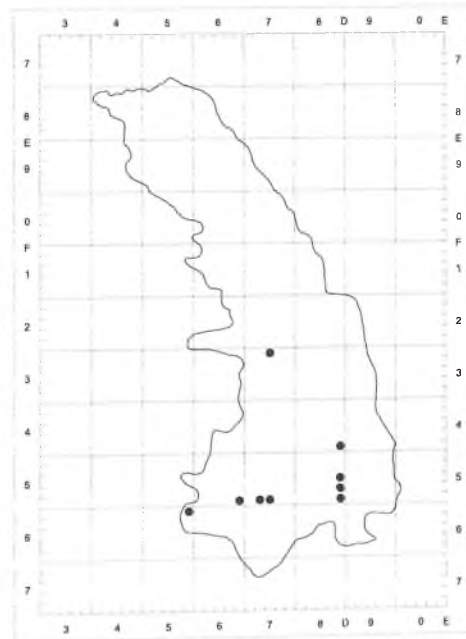
1285. *Taraxacum laevigatum* (Willd.)
DC. agg.



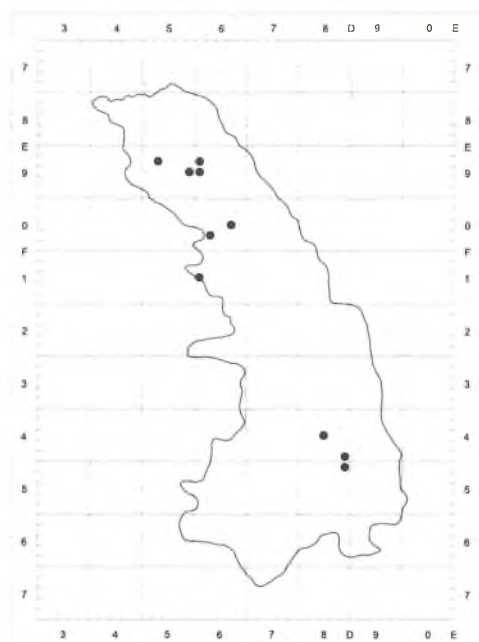
1286. *Taraxacum obliquum* (Fr.)
Dahlst. s. str. agg.



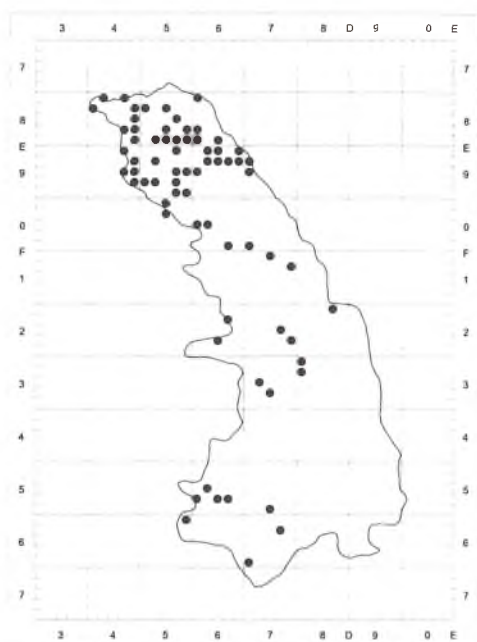
1287. *Taraxacum officinale*
F. H. Wigg., nomen nudum



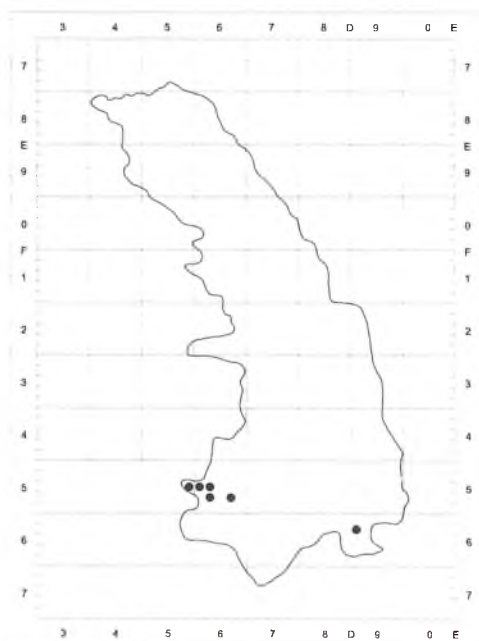
1288. *Taraxacum palustre* (Lyons)
Symons agg.



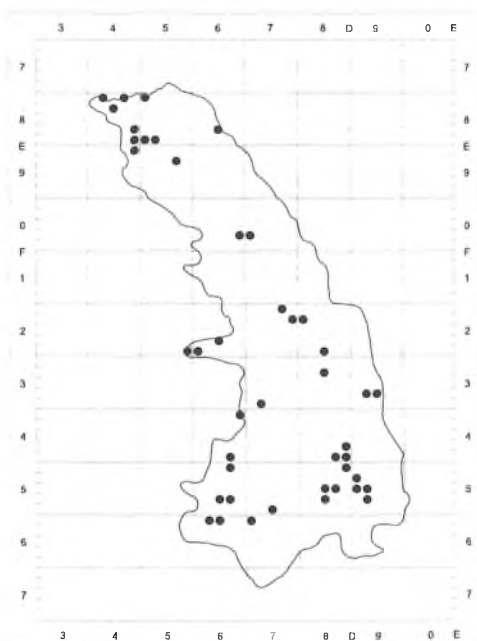
1289. *Taxus baccata* L.



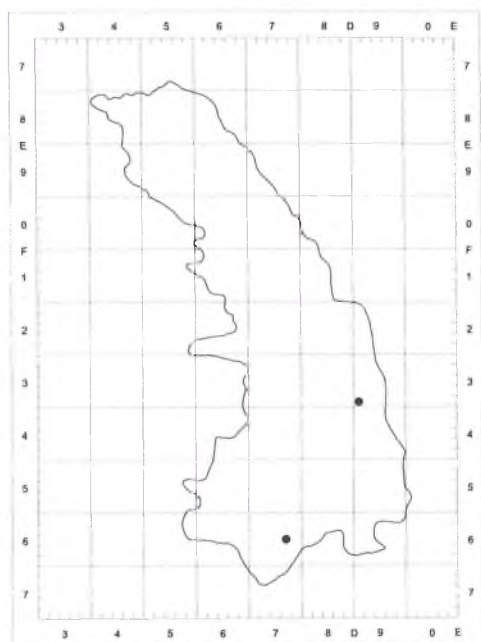
1290. *Teesdalea nudicaulis* (L.) R. Br.



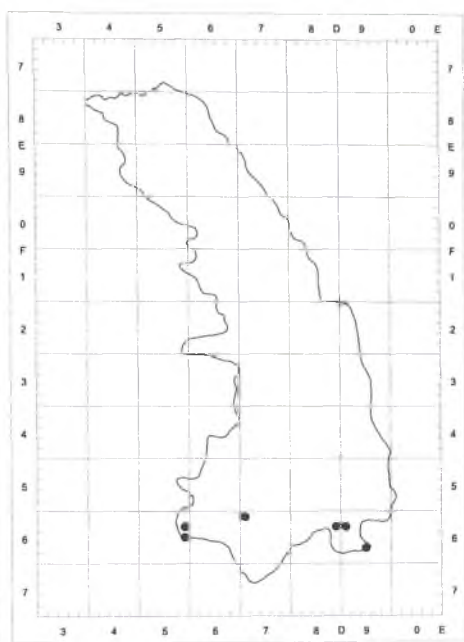
1291. *Tetragonolobus maritimus* (L.)
Roth subsp. *siliquosus* (L.) Murb.



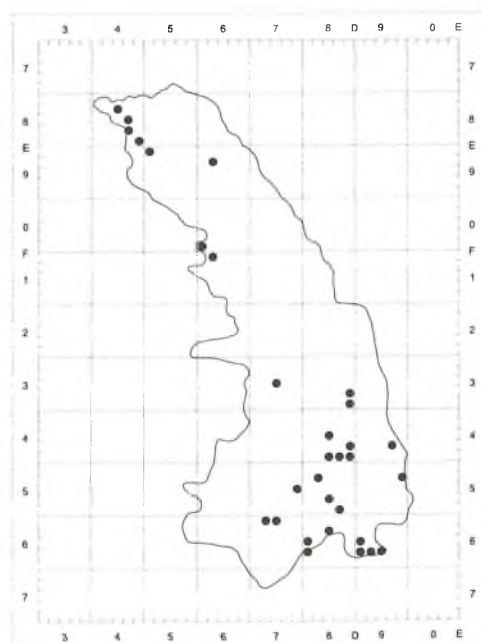
1292. *Teucrium botrys* L.



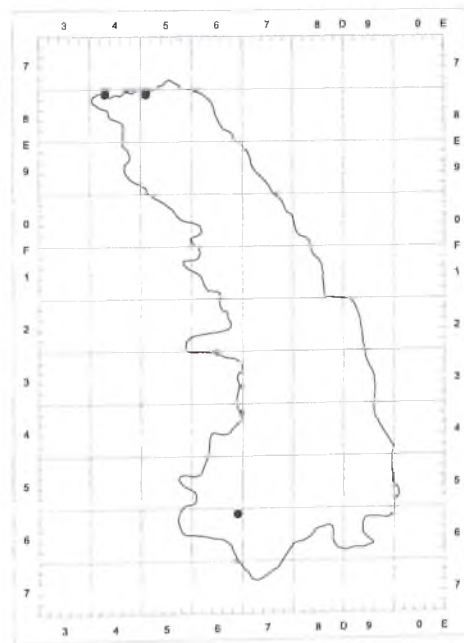
1293. *Teucrium chamaedrys* L.



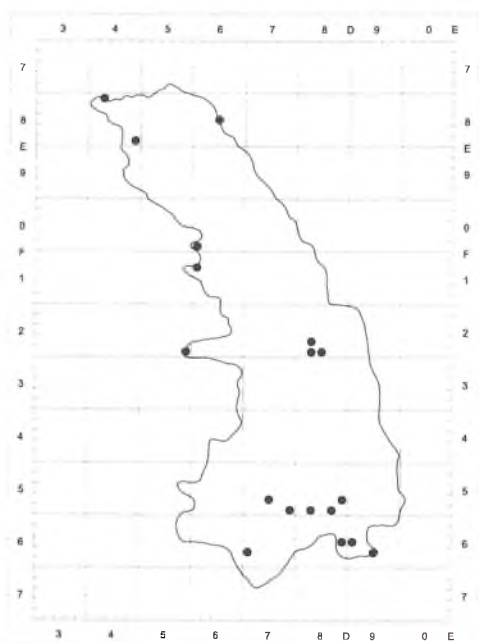
1294. *Teucrium scordium* L.



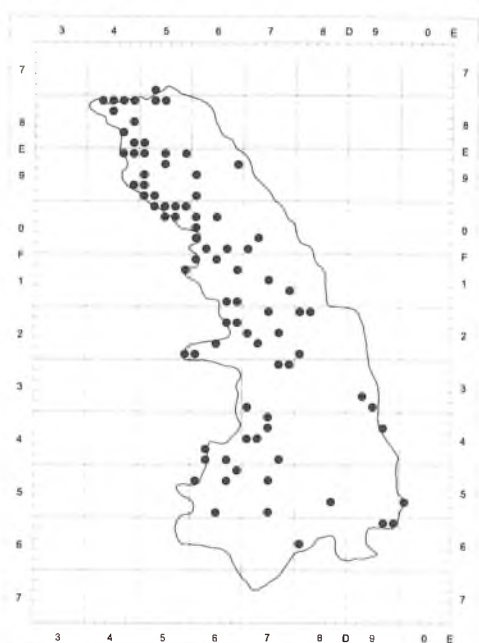
1295. *Thalictrum aquilegifolium* L.



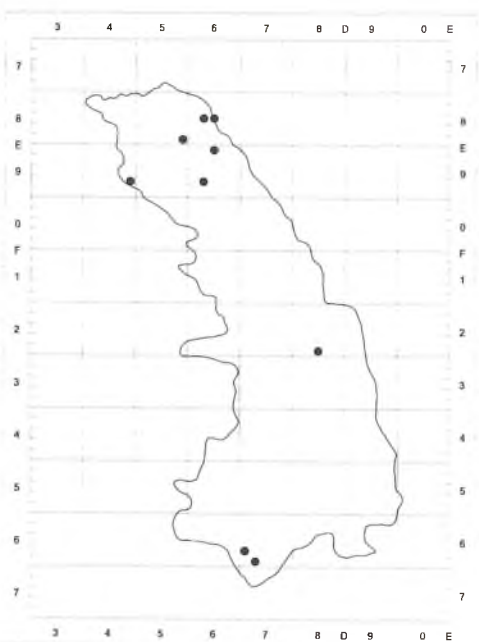
1296. *Thalictrum flavum* L.



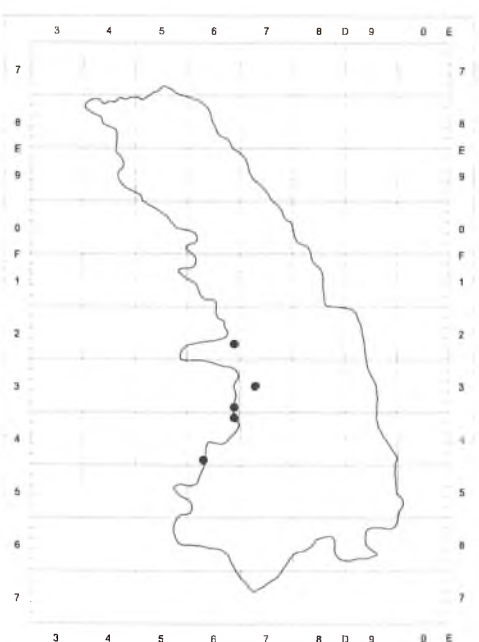
1297. *Thalictrum lucidum* L.



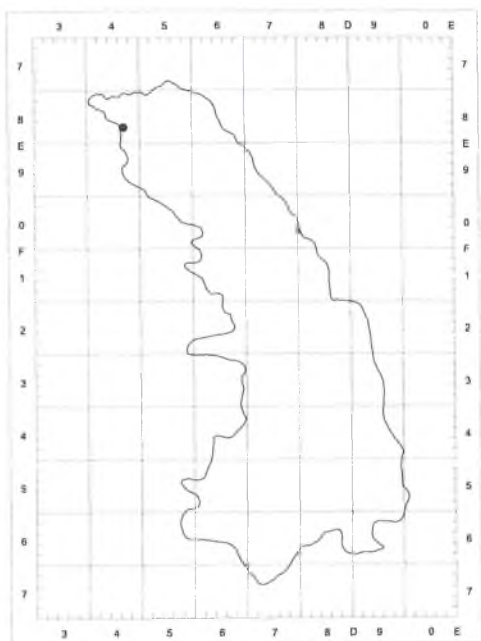
1298. *Thalictrum minus* L.



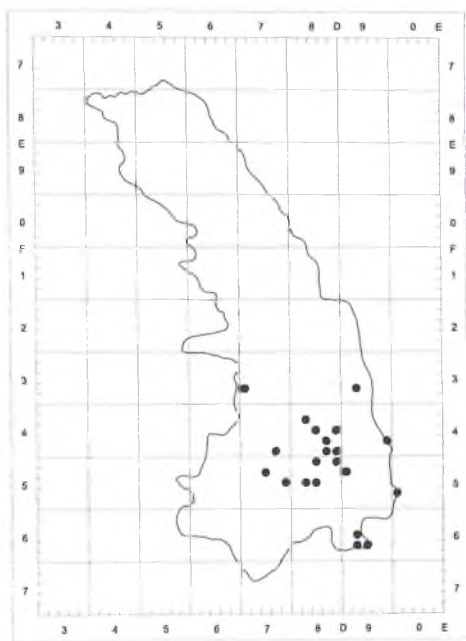
1299. *Thelypteris palustris* Schott



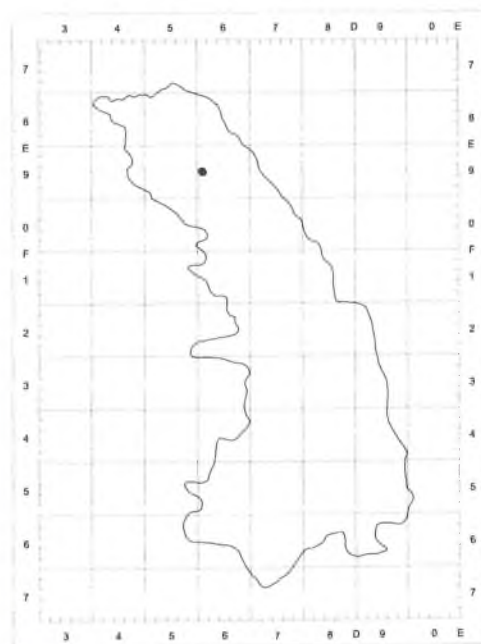
1300. *Thesium alpinum* L.



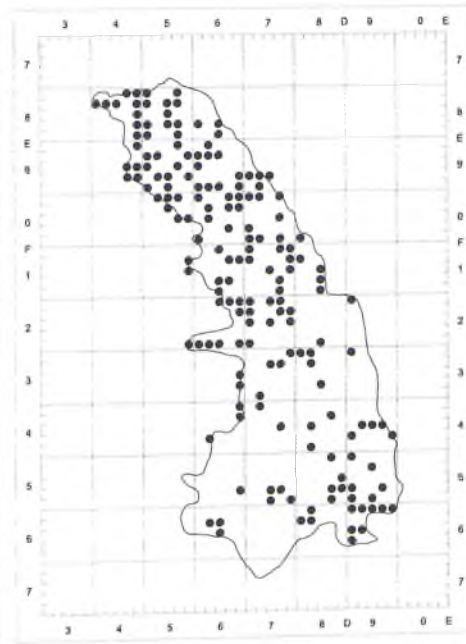
1301. + *Thesium ebracteatum* Hayne



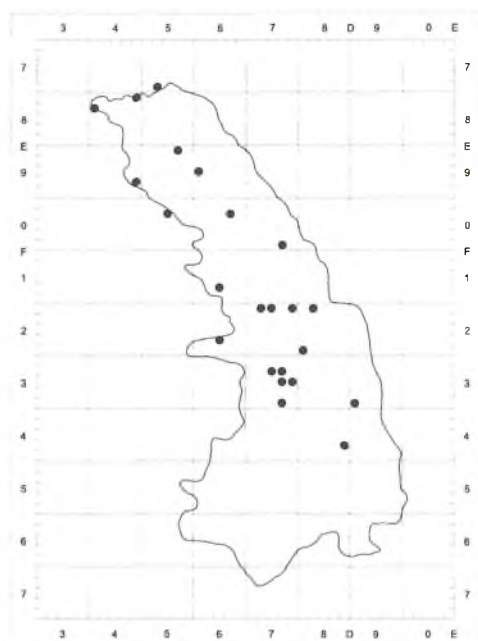
1302. *Thesium linophyllon* L.



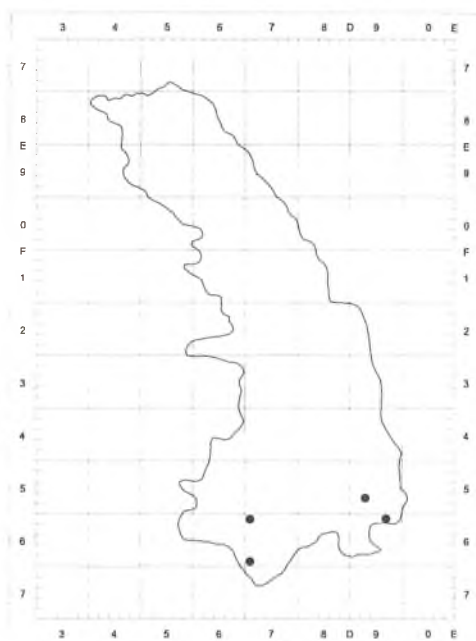
1303. ** *Thladiantha dubia* Bunge



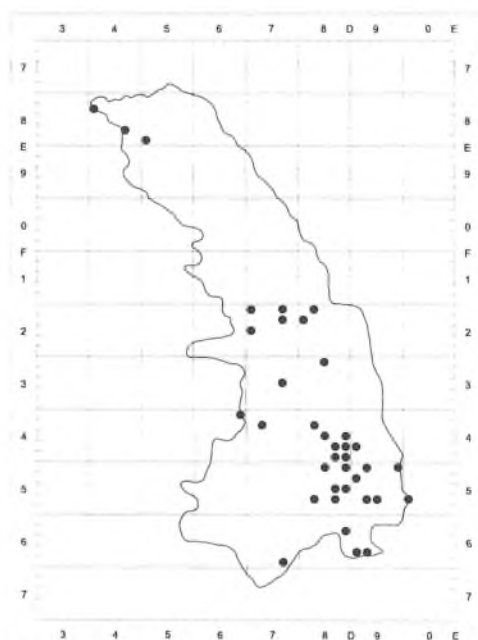
1304. * *Thlaspi arvense* L.



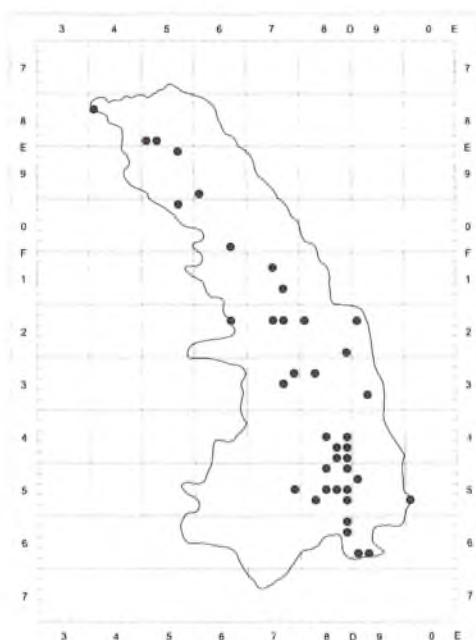
1305. *Thlaspi perfoliatum* L.



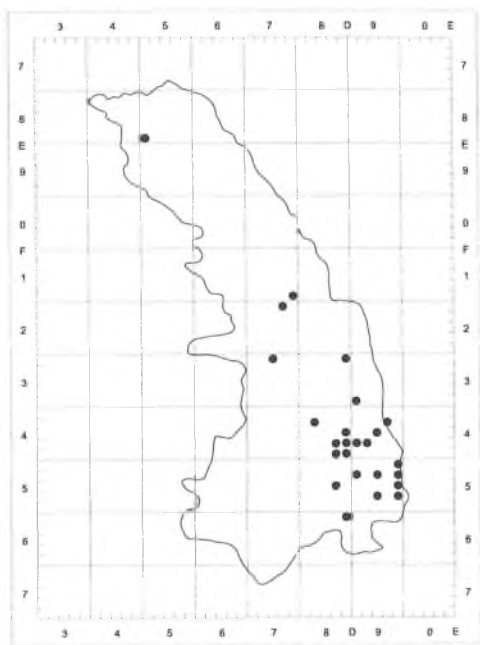
1306. * *Thymelaea passerina* (L.)
Coss. & Germ.



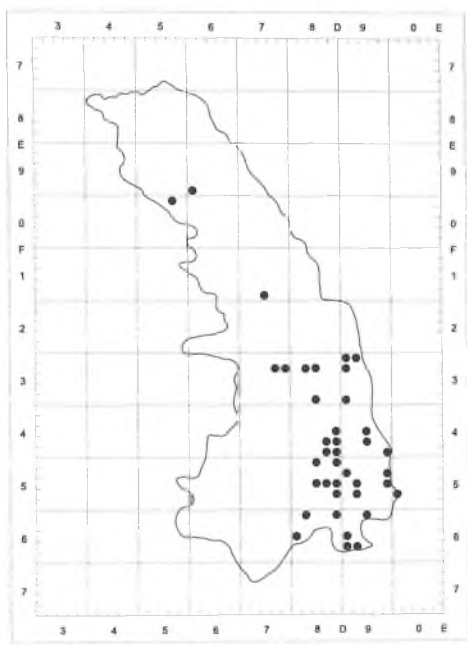
1307. *Thymus austriacus* Bernh.



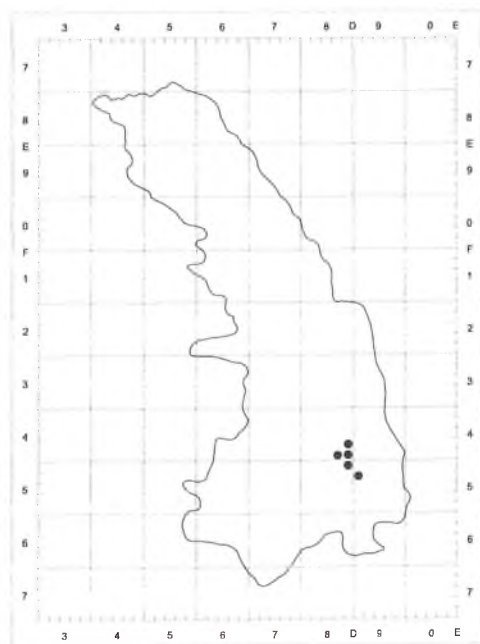
1308. *Thymus glabrescens* Willd.



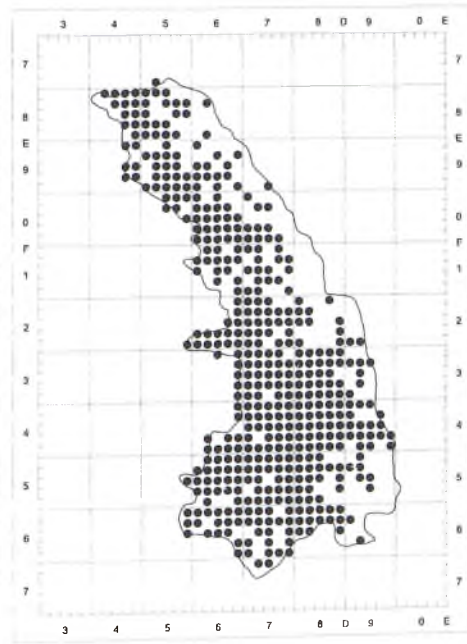
1309. *Thymus kosteleckyamus* Opiz



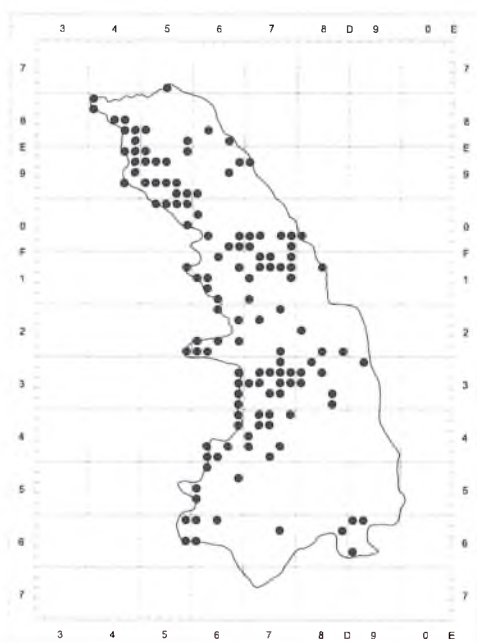
1310. *Thymus marschallianus* Willd.



1311. *Thymus praecox* Opiz



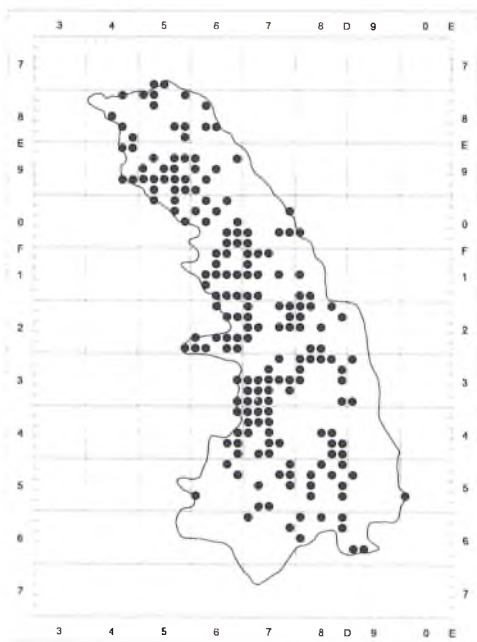
1312. *Thymus pulegioides* L.



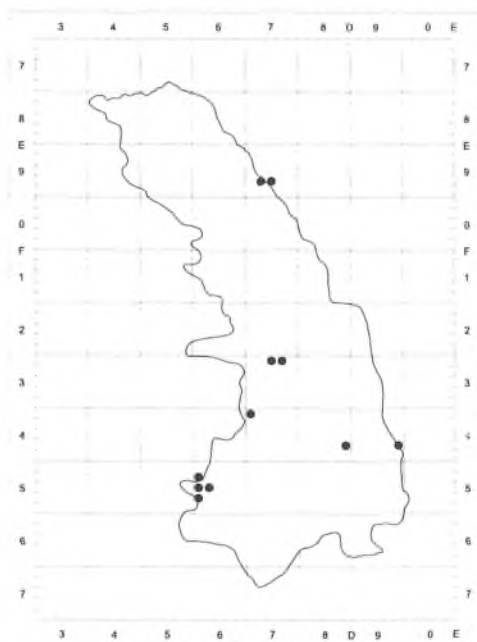
1313. *Thymus serpyllum* L. emend. Fr.



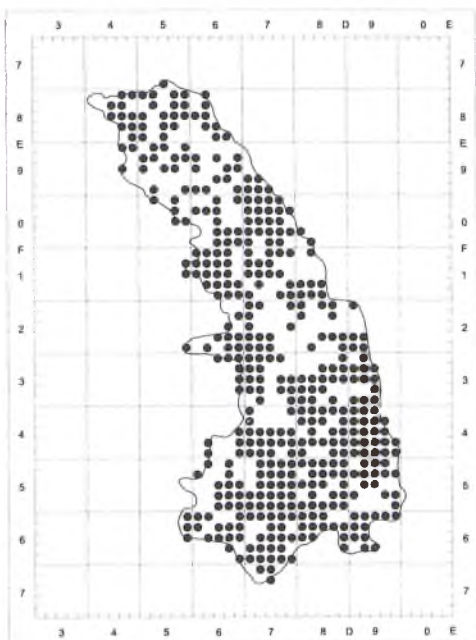
1314. *Tilia cordata* Mill.



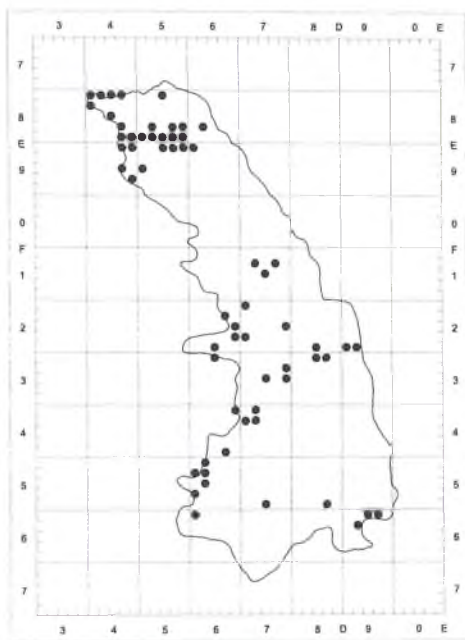
1315. *Tilia platyphyllos* Scop.



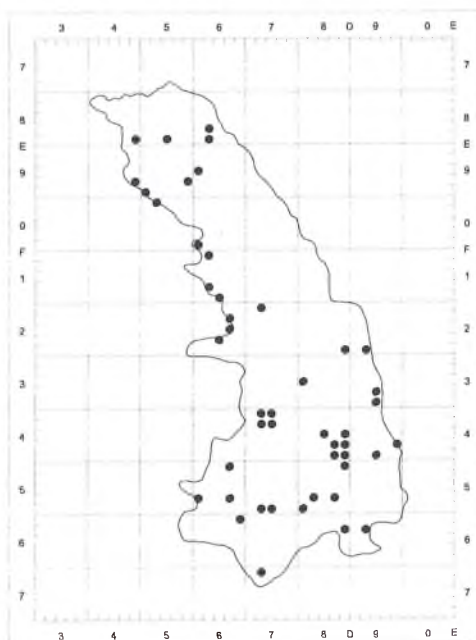
1316. *Tofieldia calyculata* (L.) Wahlenb.



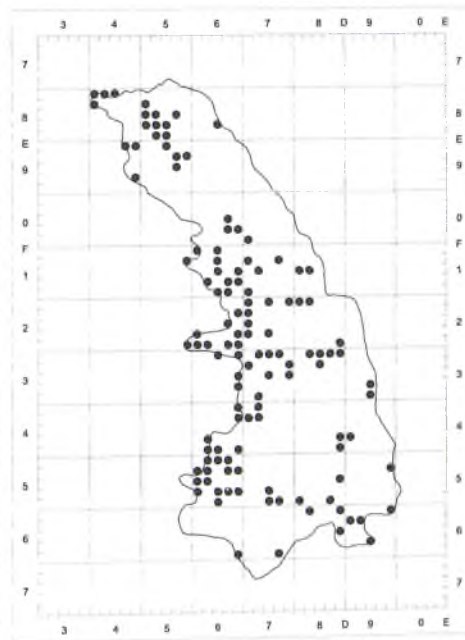
1317. *Torrilis japonica* (Houtt.) DC.



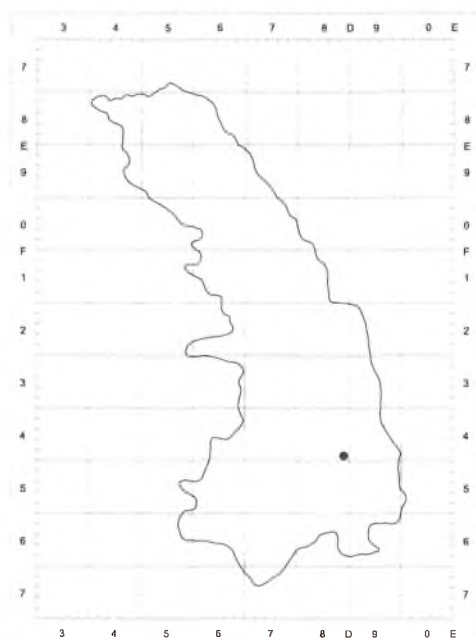
1318. *Tragopogon dubius* Scop.



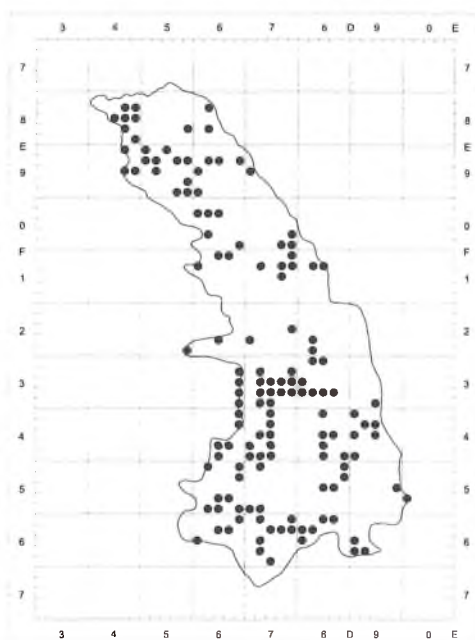
1319. *Tragopogon orientalis* L.



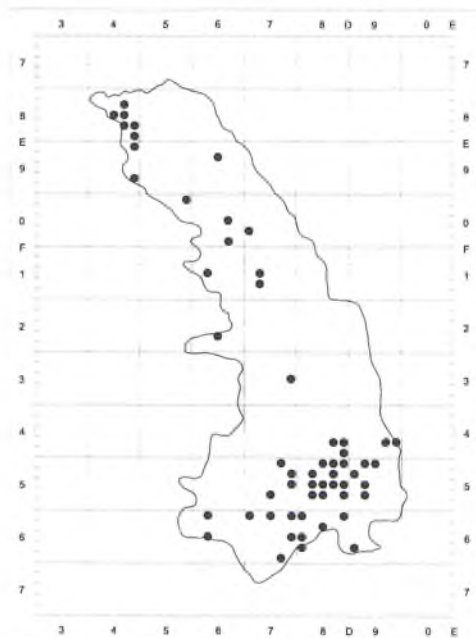
1320. *Tragopogon pratensis* L. s. str.



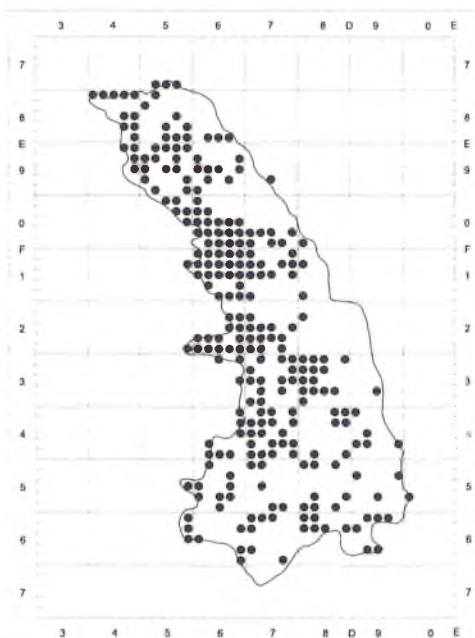
1321. + *Traunsteinera globosa* (L.)
Rchb.



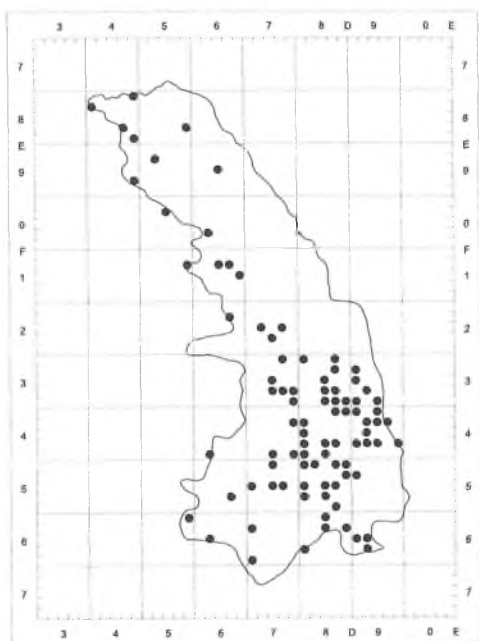
1322. *Trientalis europaea* L.



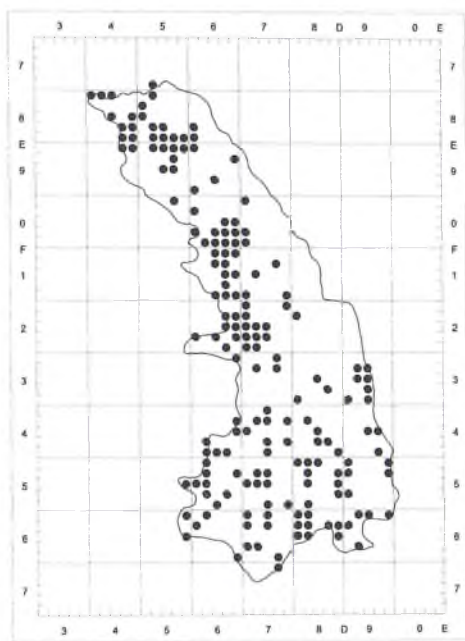
1323. *Trifolium alpestre* L.



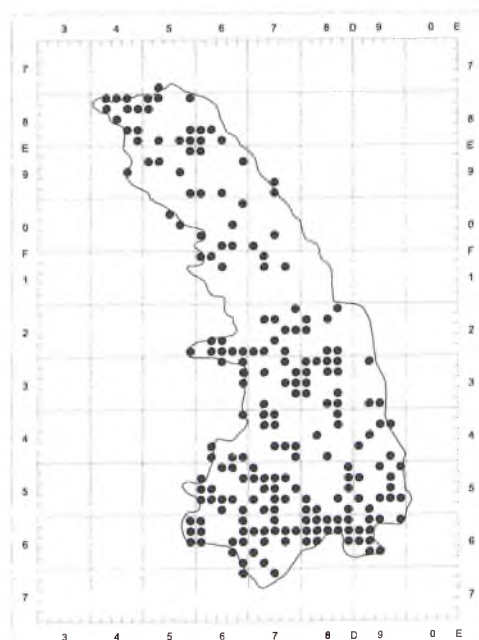
1324. *Trifolium arvense* L.



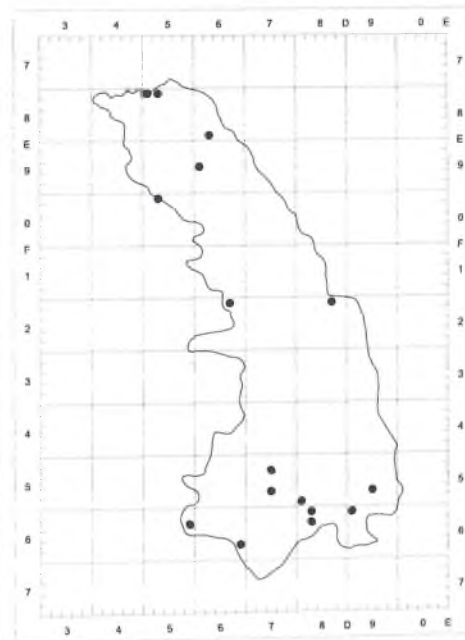
1325. *Trifolium aureum* Pollich



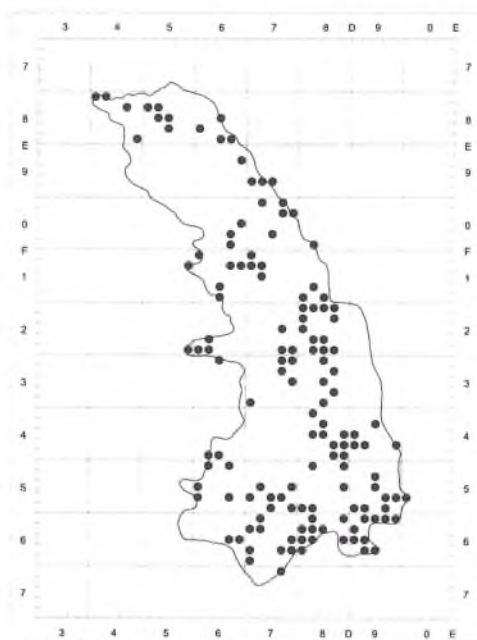
1326. *Trifolium campestre* Schreb.



1327. *Trifolium dubium* Sibth.



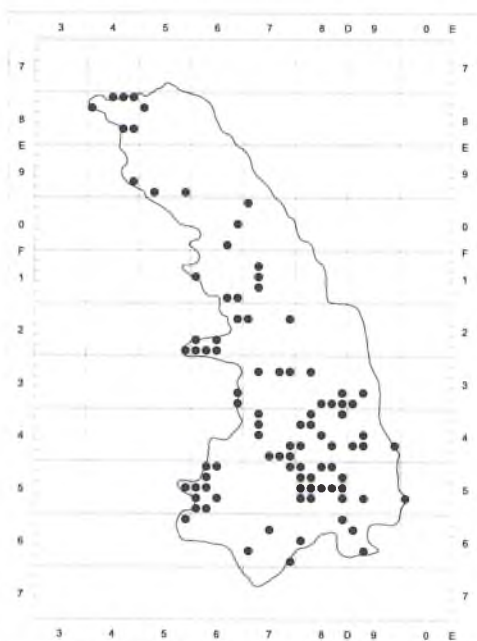
1328. *Trifolium fragiferum* L.



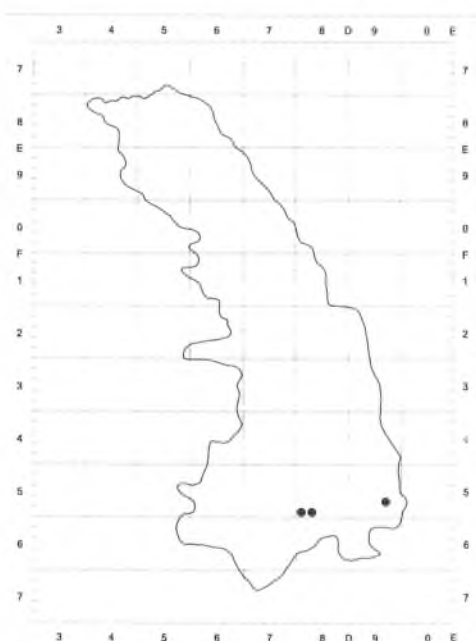
1329. *Trifolium hybridum* L.



1330. *Trifolium medium* L.



1331. *Trifolium montanum* L.



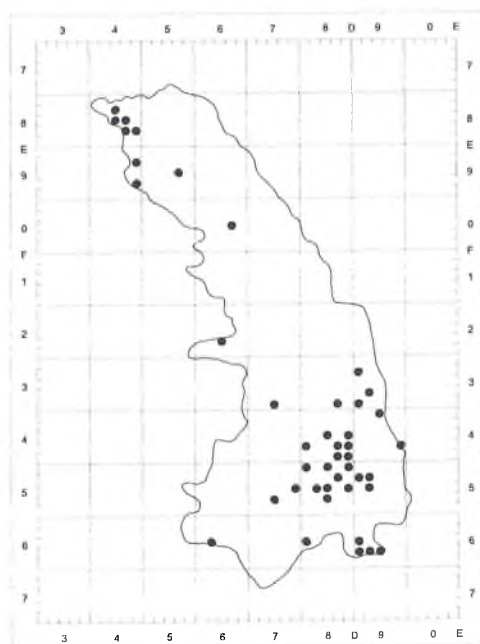
1332. ** *Trifolium patens* Schreb.



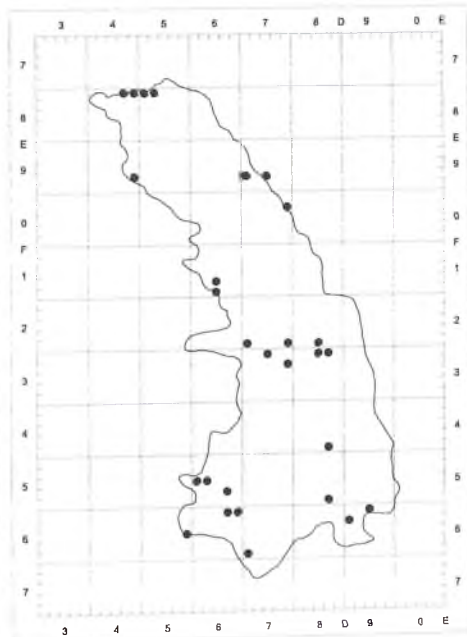
1333. *Trifolium pratense* L.



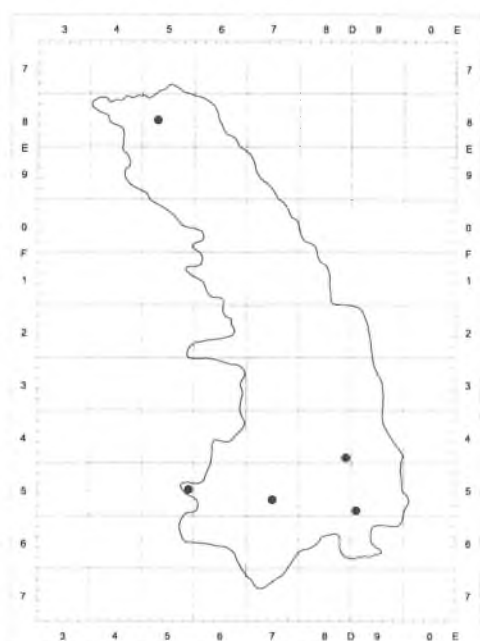
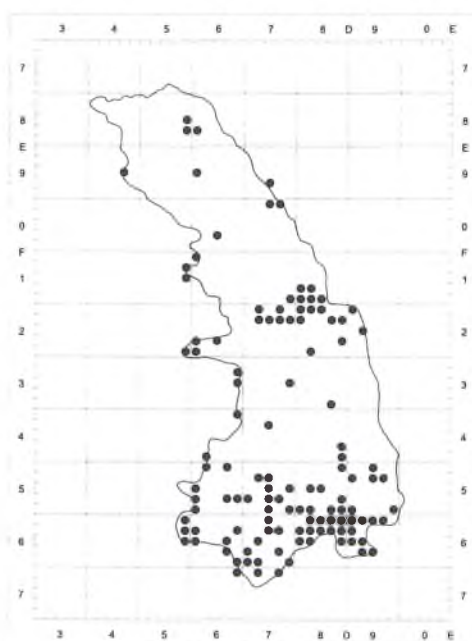
1334. *Trifolium repens* L.



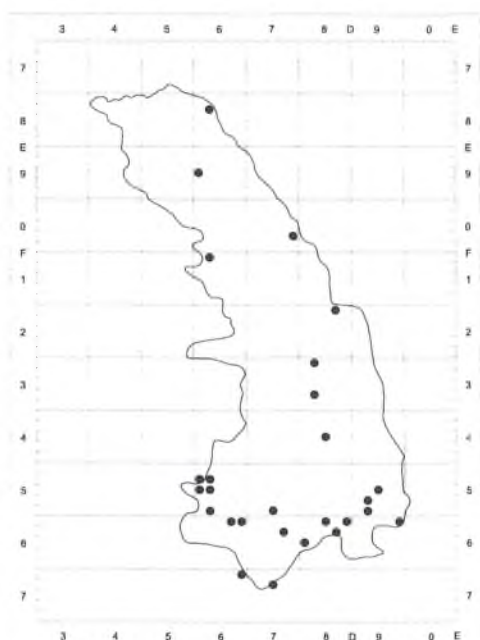
1335. *Trifolium rubens* L.



1336. *Triglochin palustre* L.

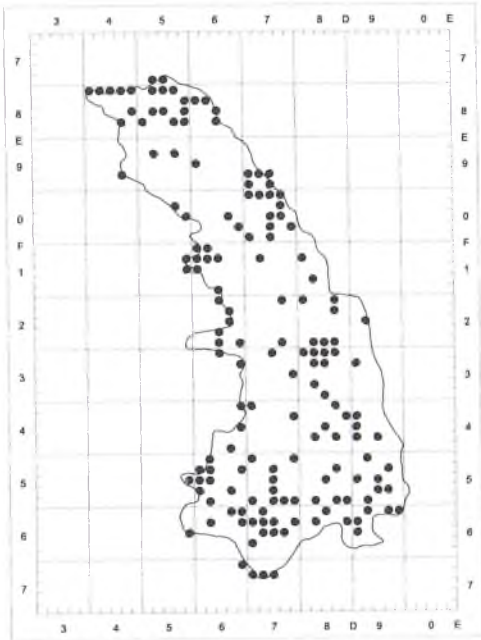


1337. *Trisetum flavescens* (L.) P. Beauv. 1338. *Trollius europaeus* L. s. str.

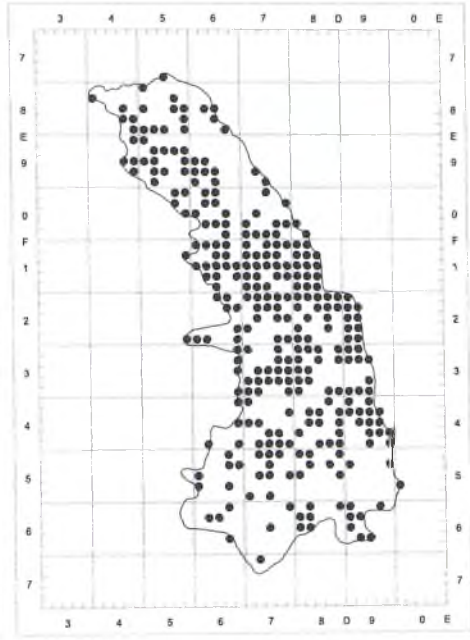


1339. *Tussilago farfara* L.

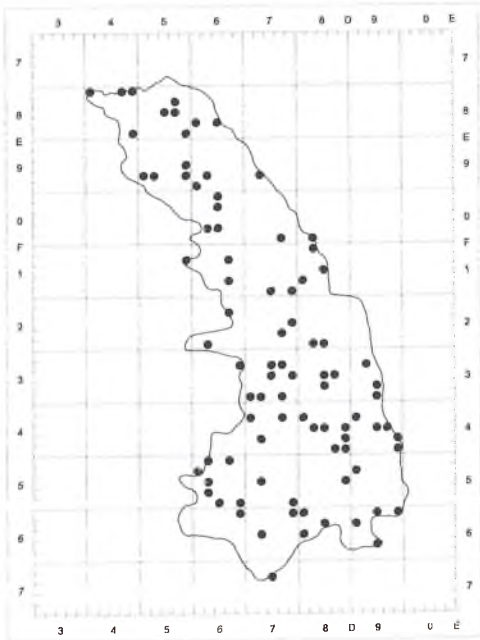
1340. *Typha angustifolia* L.



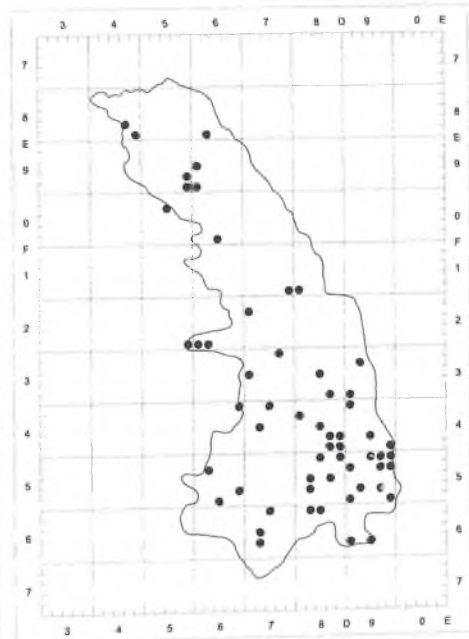
1341. *Typha latifolia* L.



1342. *Ulmus minor* Mill.
emend. Richens.



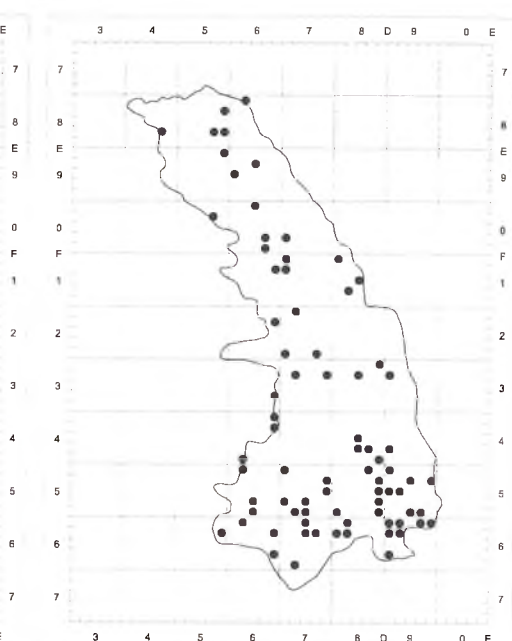
1343. *Ulmus laevis* Pall.



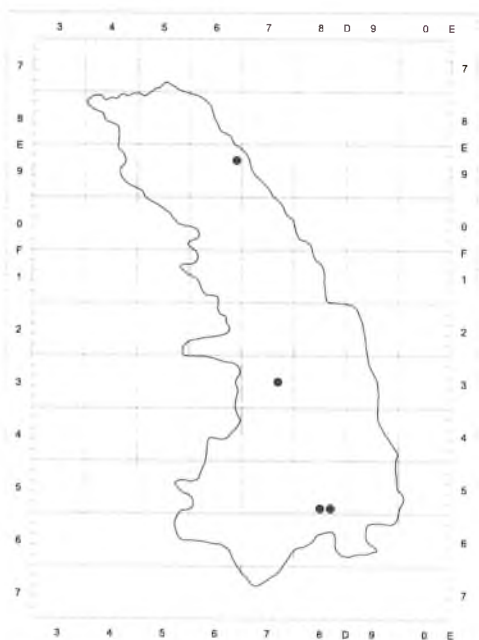
1344. *Ulmus glabra* Huds.



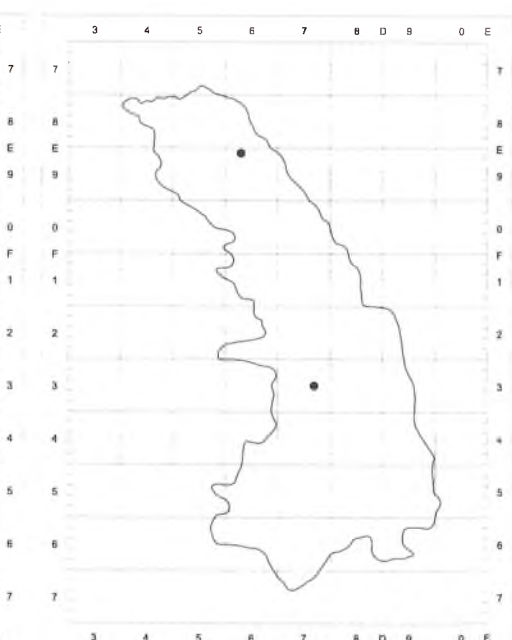
1345. *Urtica dioica* L.



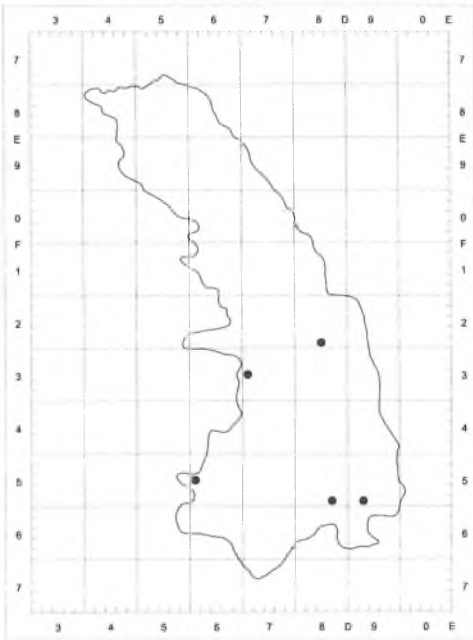
1346. * *Urtica urens* L.



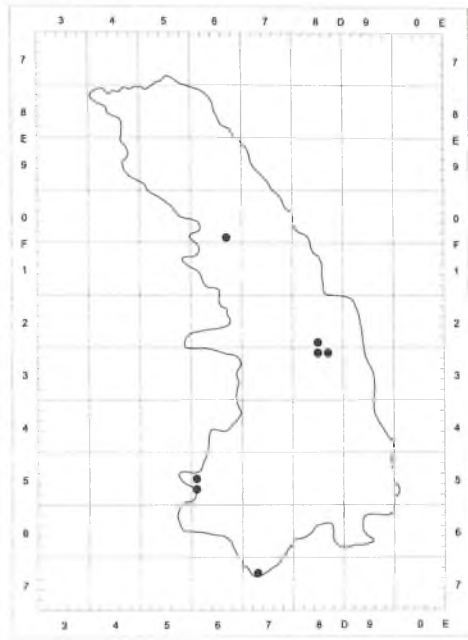
1347. *Utricularia australis* R. Br.



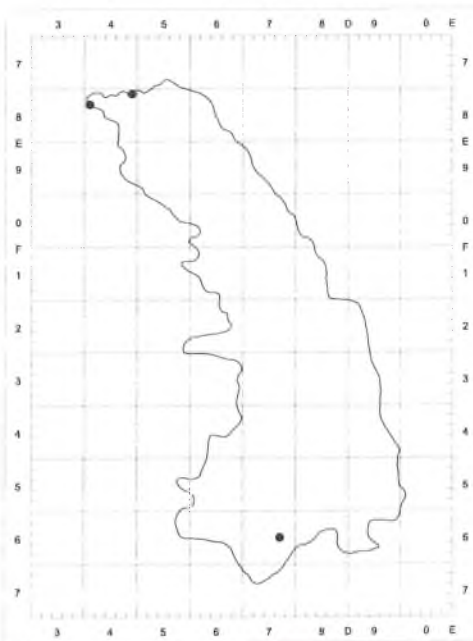
1348. *Utricularia intermedia* Hayne



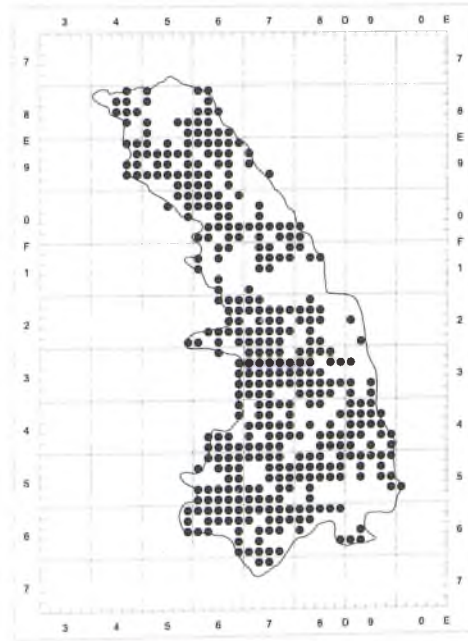
1349. *Utricularia minor* L.



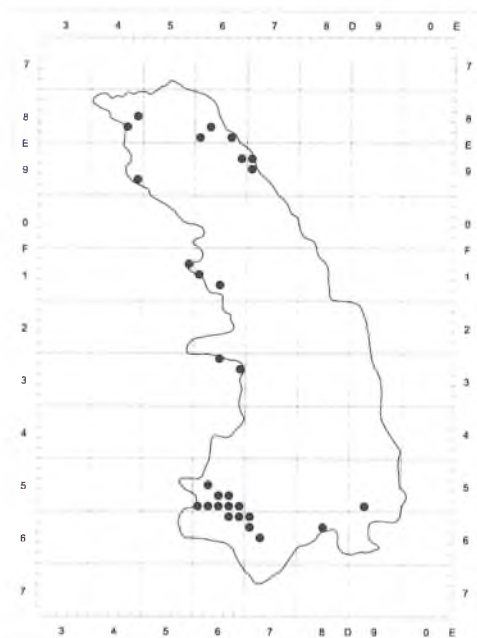
1350. *Utricularia vulgaris* L.



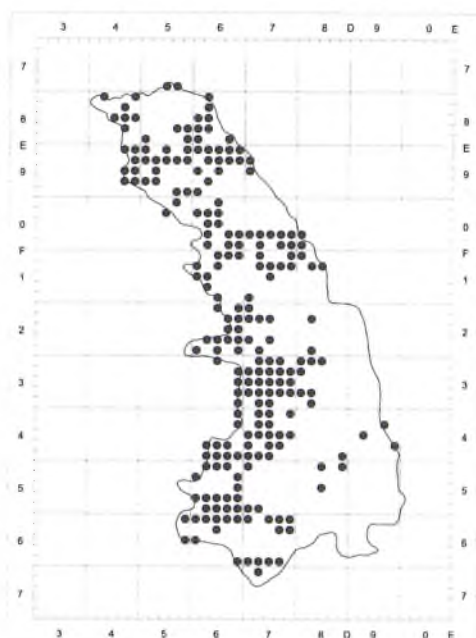
1351. + * *Vaccaria hispanica* (Mill.)
Rauschert



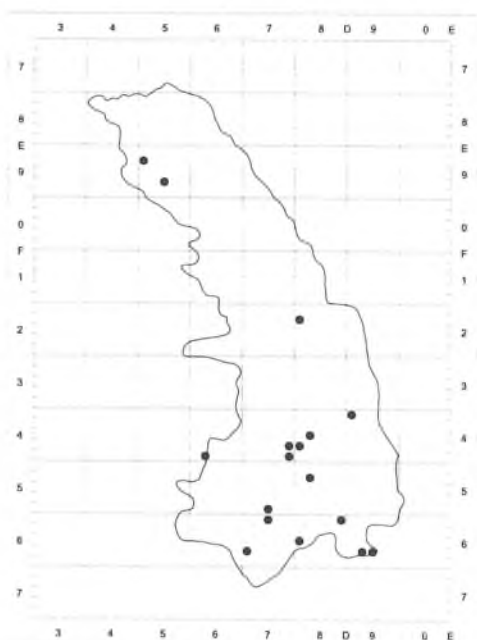
1352. *Vaccinium myrtillus* L.



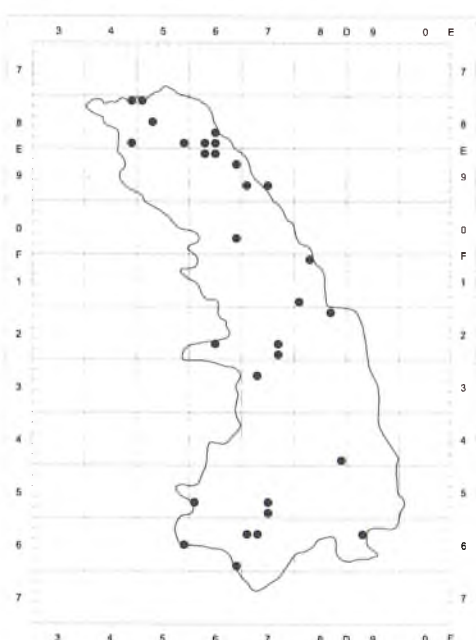
1353. *Vaccinium uliginosum* L.



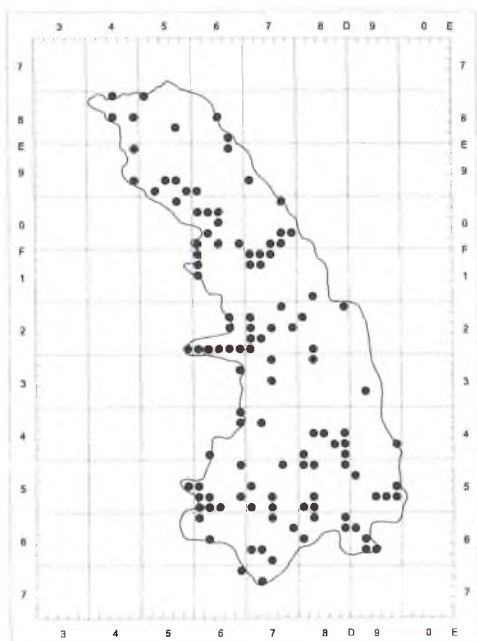
1354. *Vaccinium vitis-idaea* L.



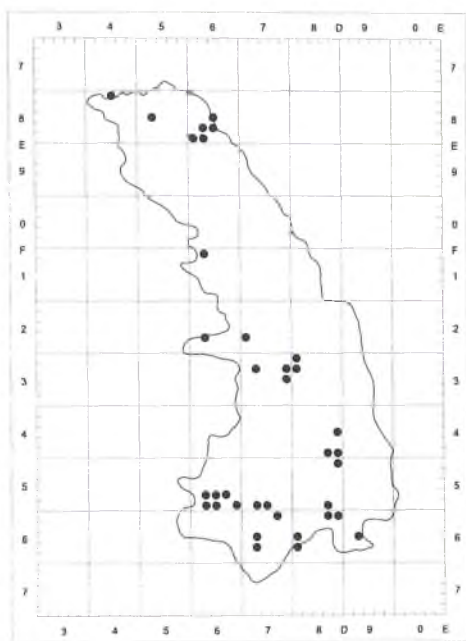
1355. *Valeriana angustifolia* Tausch



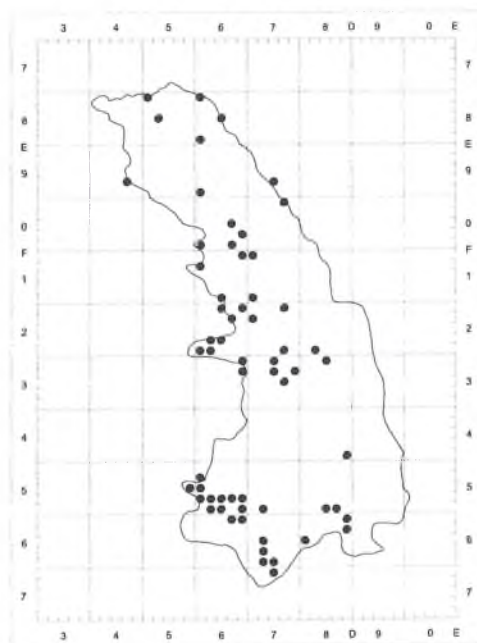
1356. *Valeriana dioica* L. s. str.



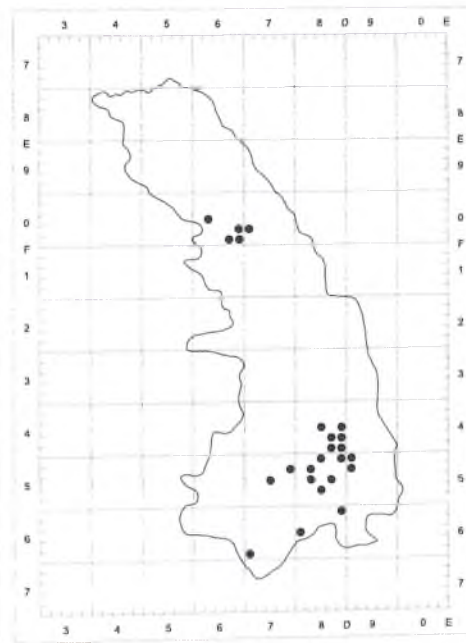
1357. *Valeriana officinalis* L.



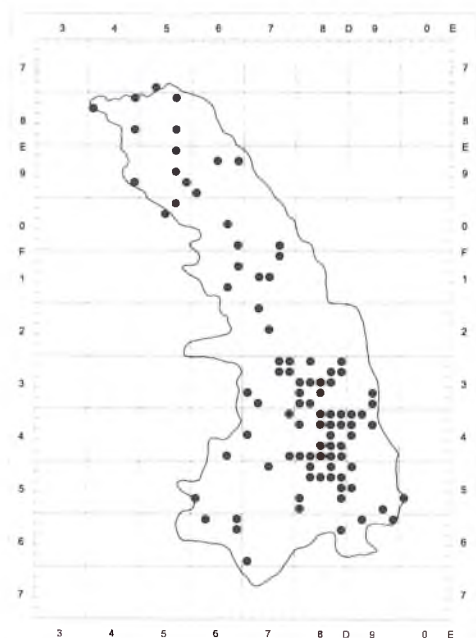
1358. *Valeriana sambucifolia*
J. C. Mikan



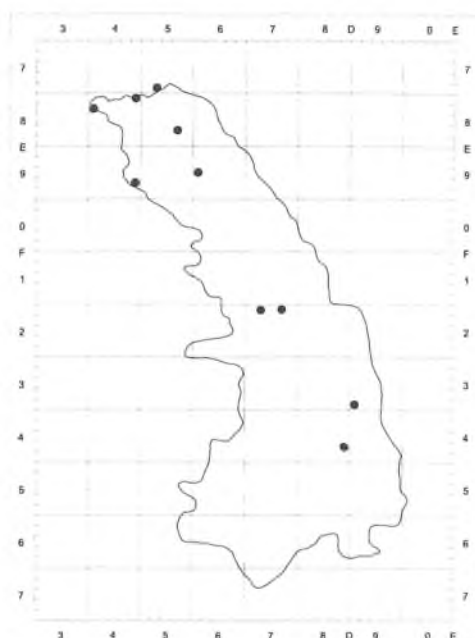
1359. *Valeriana simplicifolia* Kabath



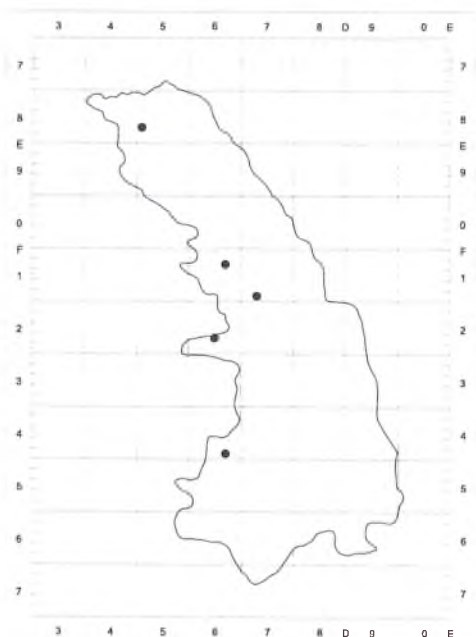
1360. *Valeriana tripteris* L.



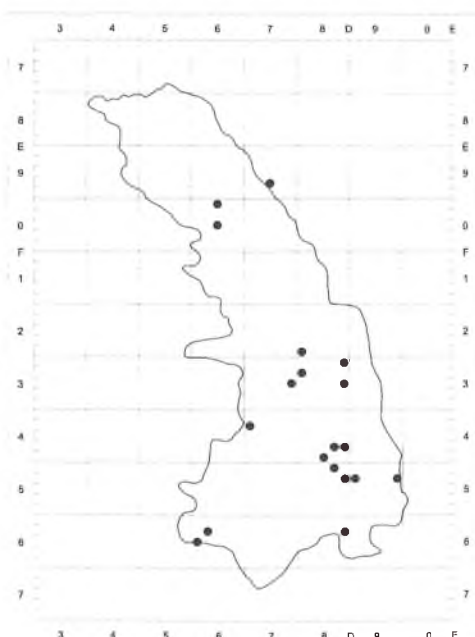
1361. * *Valerianella dentata* (L.) Pollich



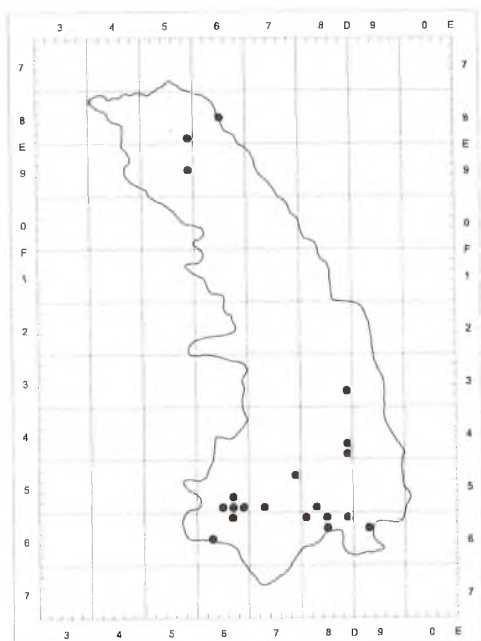
1362. * *Valerianella locusta*
Laterr. emend. Betsche



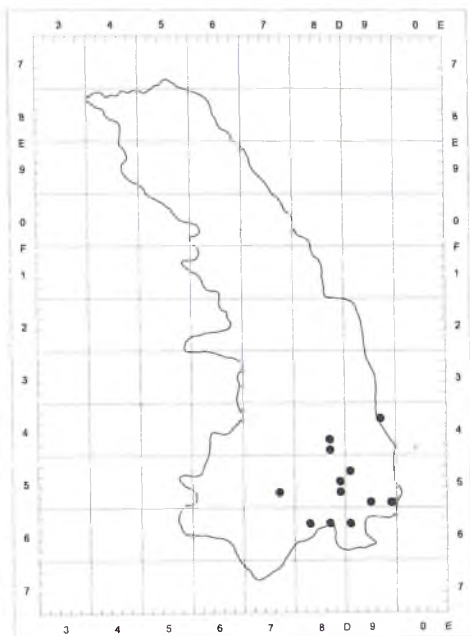
1363. [*] *Valerianella* × *mixta* Dufr.



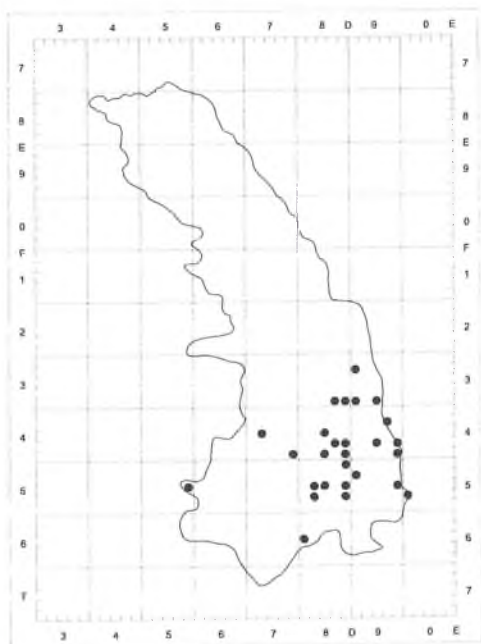
1364. * *Valerianella rimosa* Bastard



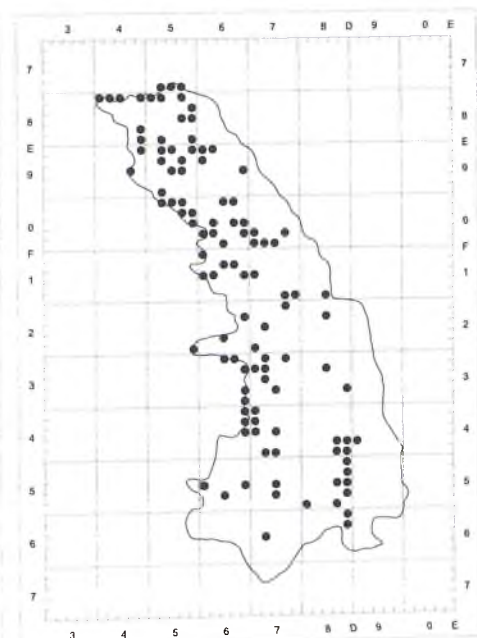
1365. *Veratrum lobelianum* Bernh.



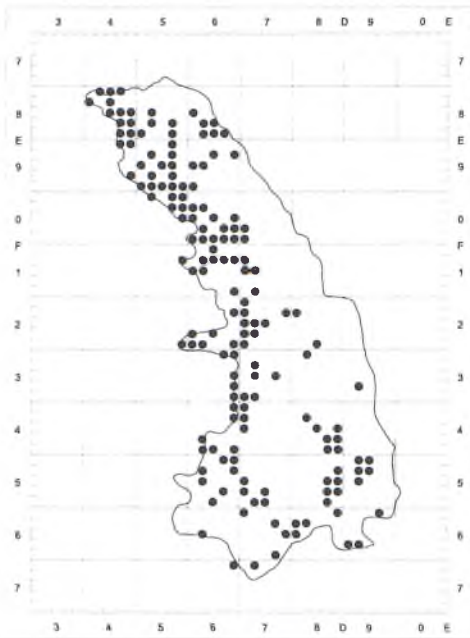
1366. *Verbascum blattaria* L.



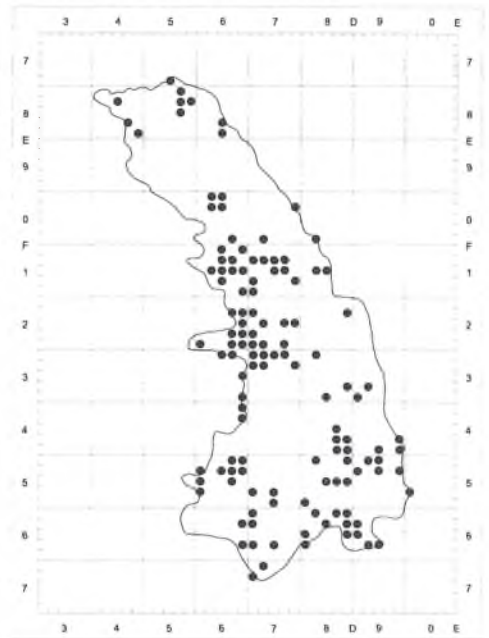
1367. *Verbascum chaixii* Vill. subsp. *austriacum* (Schott ex Roem. & Schult.) Hayek



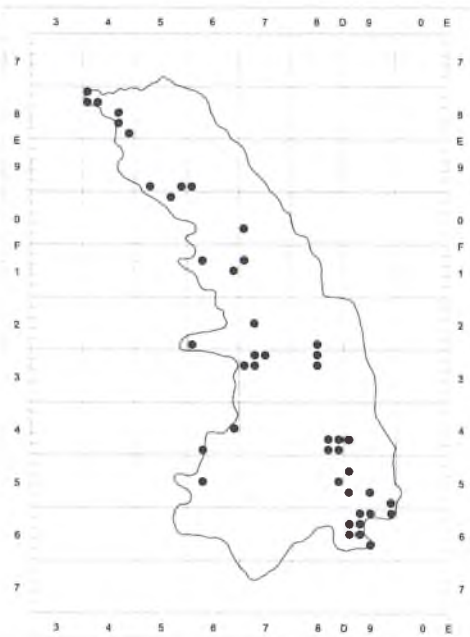
1368. *Verbascum densiflorum* Bertol.



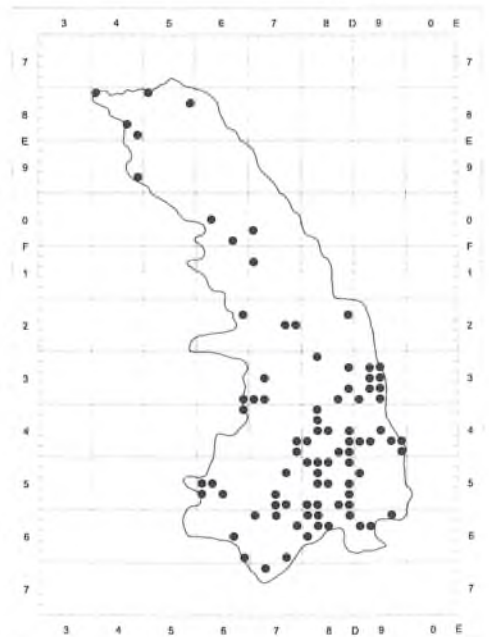
1369. *Verbascum lychnitis* L.



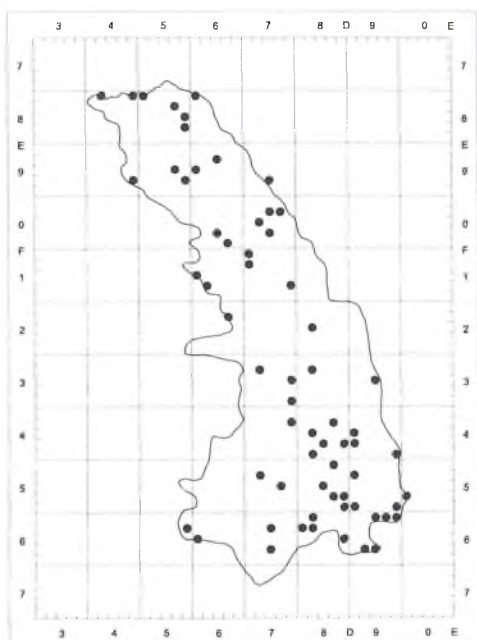
1370. *Verbascum nigrum* L.



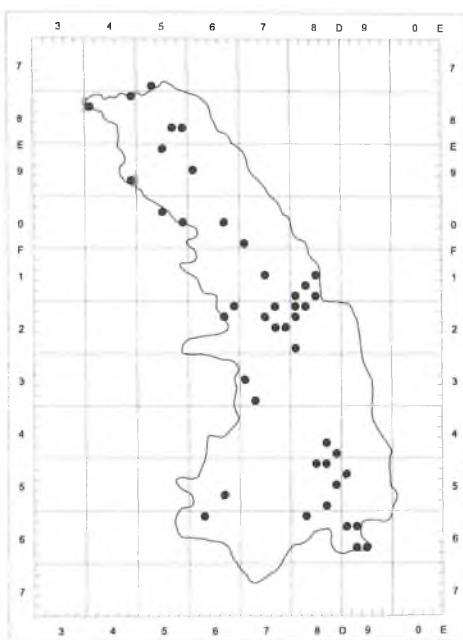
1371. *Verbascum phlomoides* L.



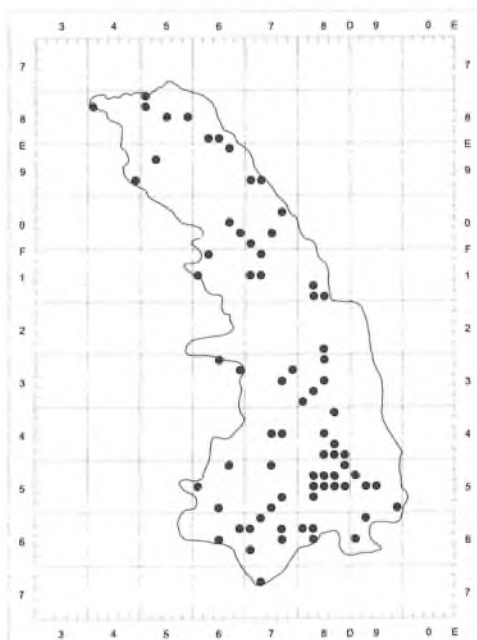
1372. *Verbascum thapsus* L.



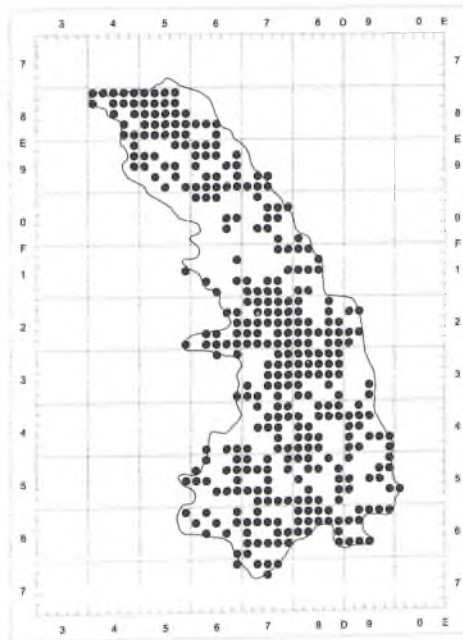
1373. * *Verbena officinalis* L.



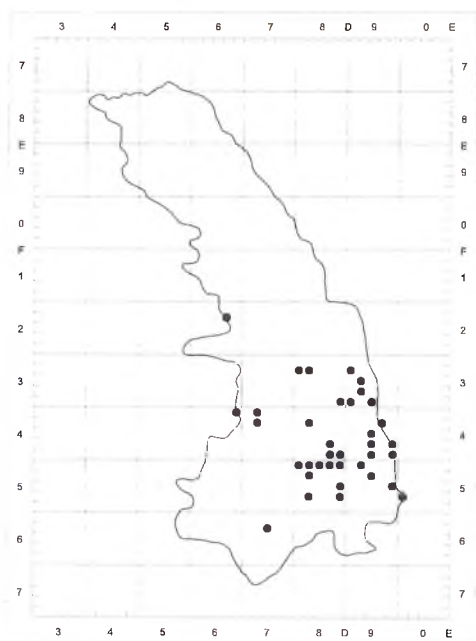
1374. * *Veronica agrestis* L.



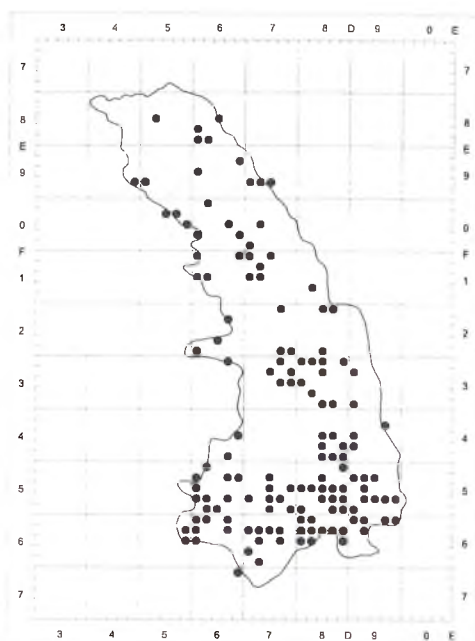
1375. *Veronica anagallis-aquatica* L.



1376. * *Veronica arvensis* L.



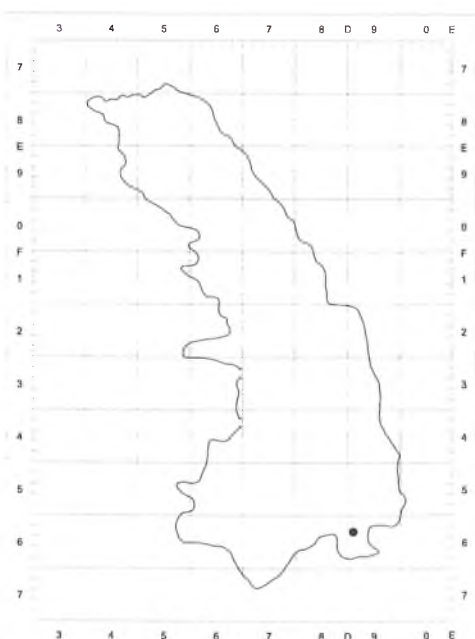
1377. *Veronica austriaca* L. s. str.



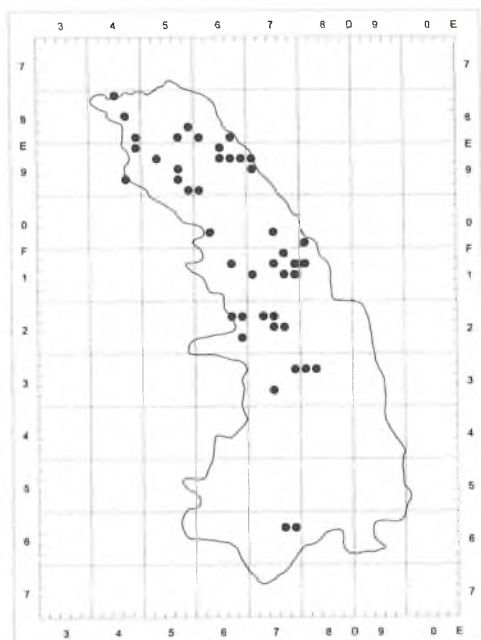
1378. *Veronica beccabunga* L.



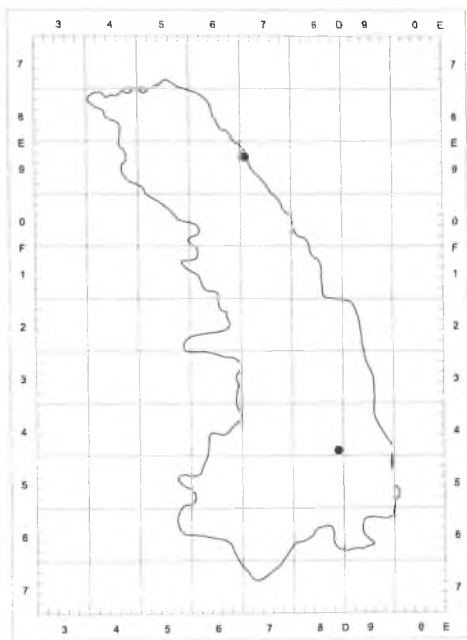
1379. *Veronica chamaedrys* L.



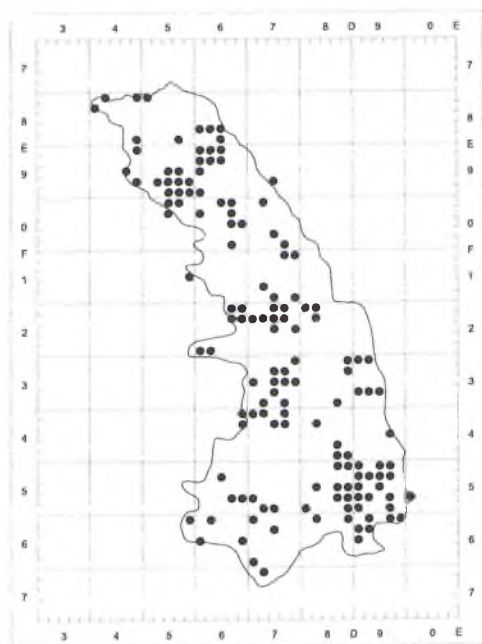
1380. + *Veronica catenata* Pennell



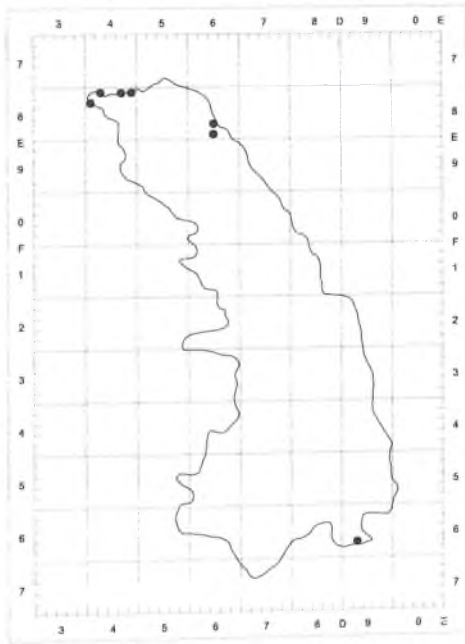
1381. *Veronica dillenii* Crantz



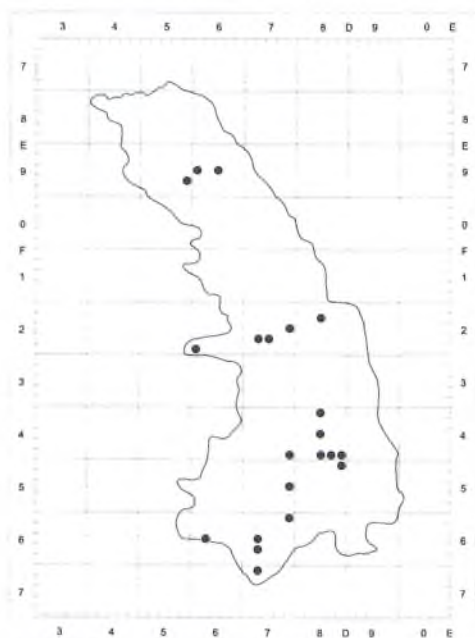
1382. ** *Veronica filiformis* Sm.



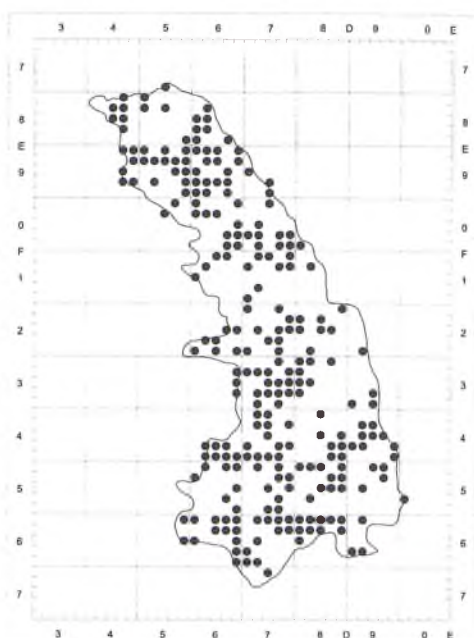
1383. *Veronica hederifolia* L. s. str.



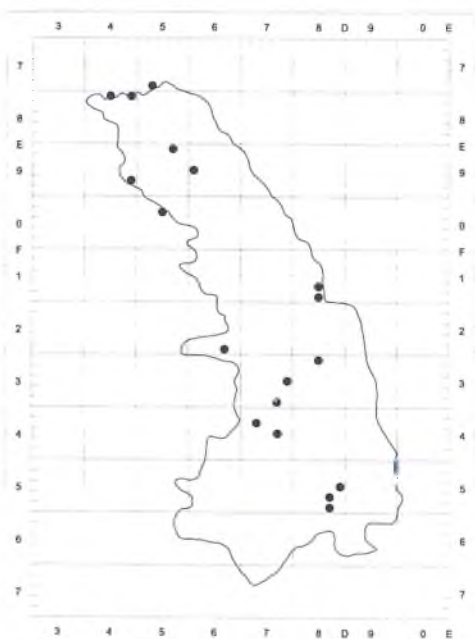
1384. *Veronica longifolia* L.



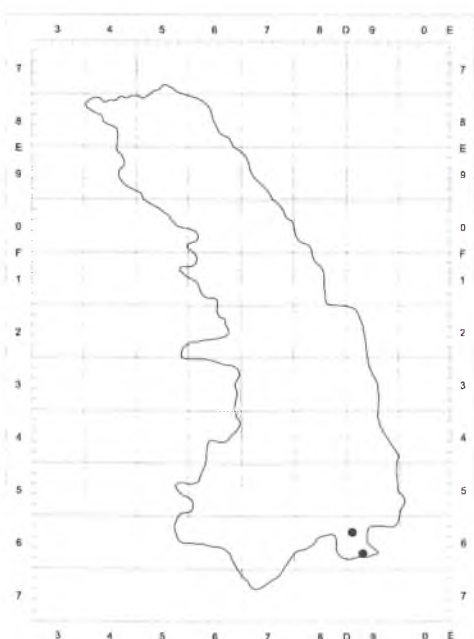
1385. *Veronica montana* L.



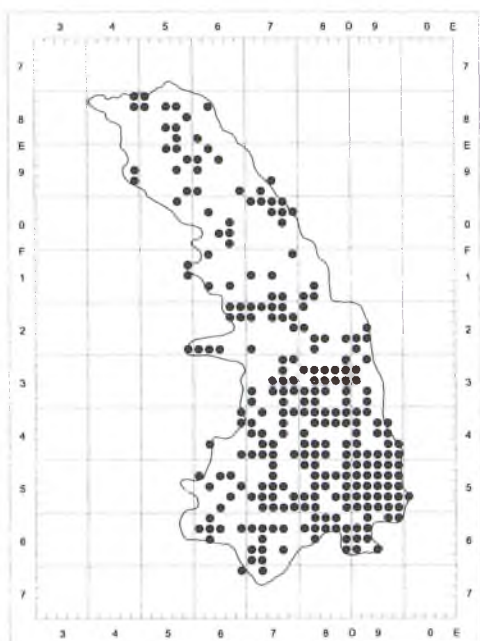
1386. *Veronica officinalis* L.



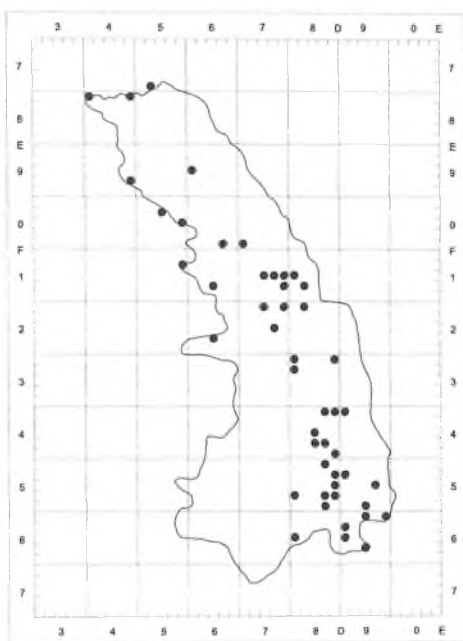
1387. * *Veronica opaca* Fr.



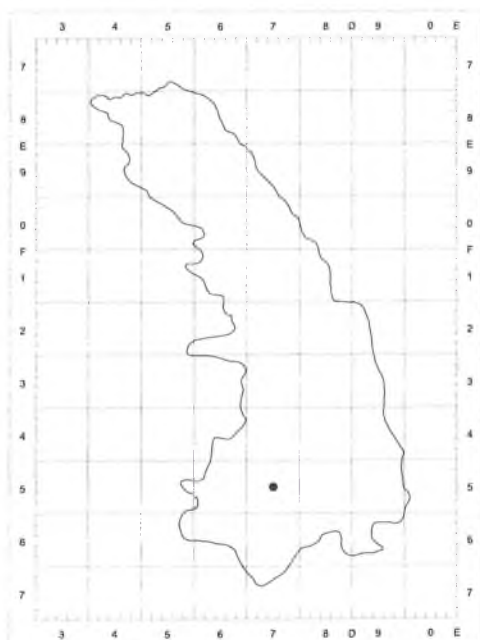
1388. ** *Veronica peregrina* L.



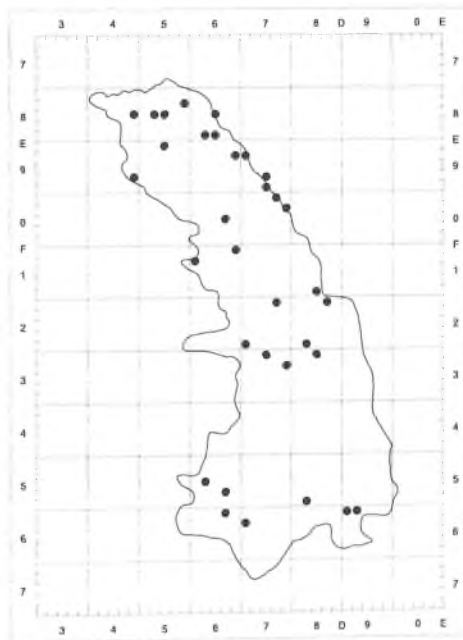
1389. ** *Veronica persica* Poir.



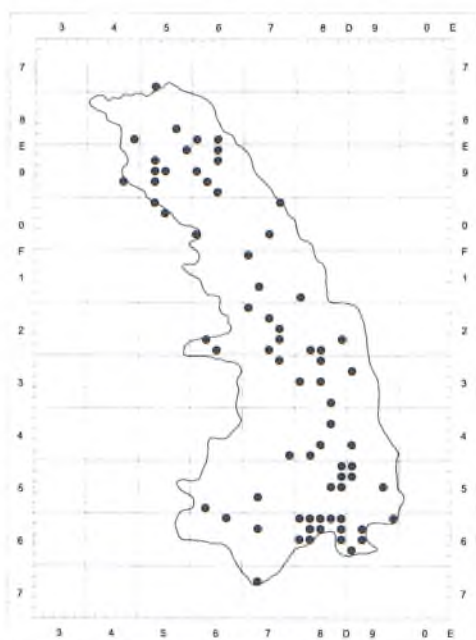
1390. * *Veronica polita* Fr.



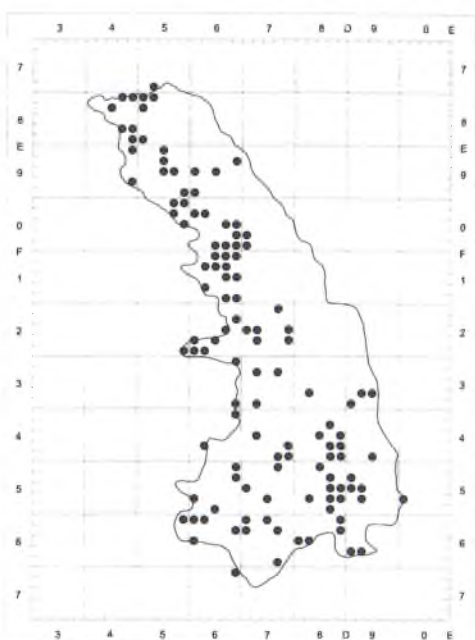
1391. + *Veronica praecox* All.



1392. *Veronica scutellata* L.



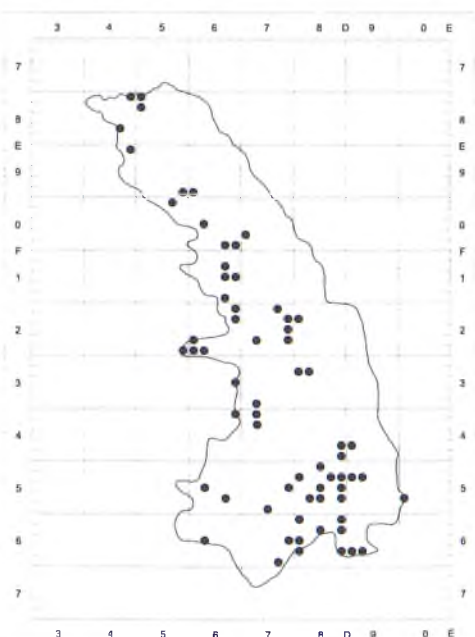
1393. *Veronica serpyllifolia* L.



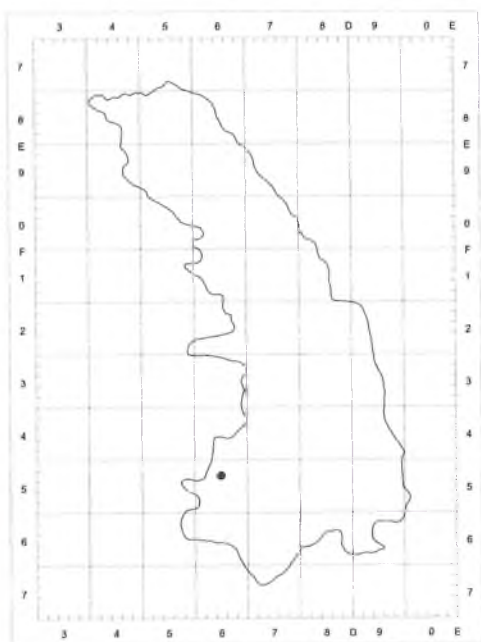
1394. *Veronica spicata* L.



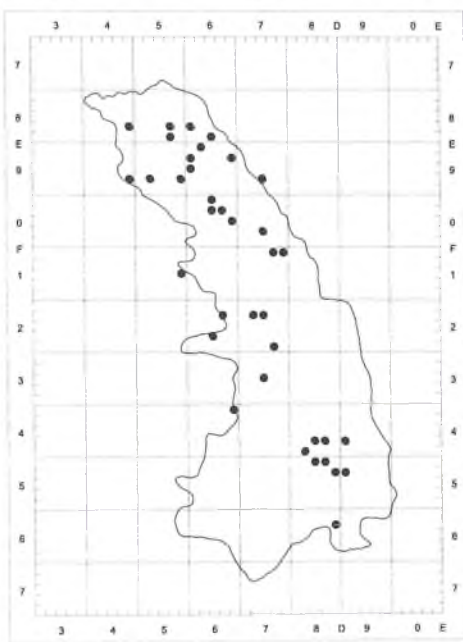
1395. *Veronica sublobata* M. A. Fisch.



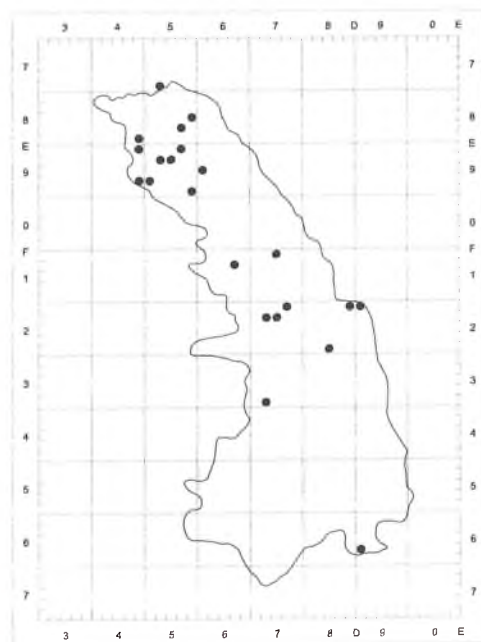
1396. *Veronica teucrium* L.



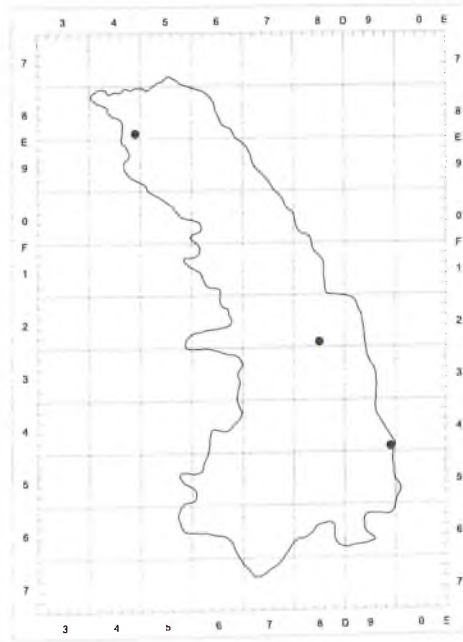
1397. *Veronica triloba* Opiz



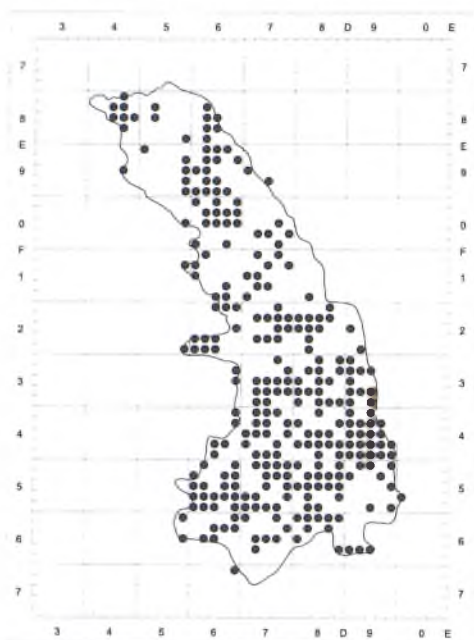
1398. * *Veronica triphyllos* L.



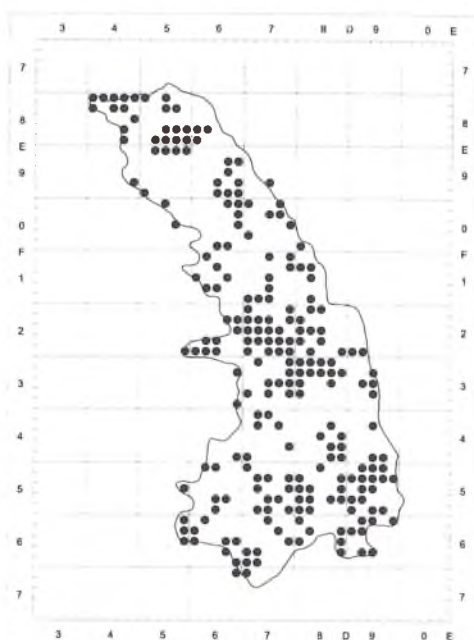
1399. *Veronica verna* L.



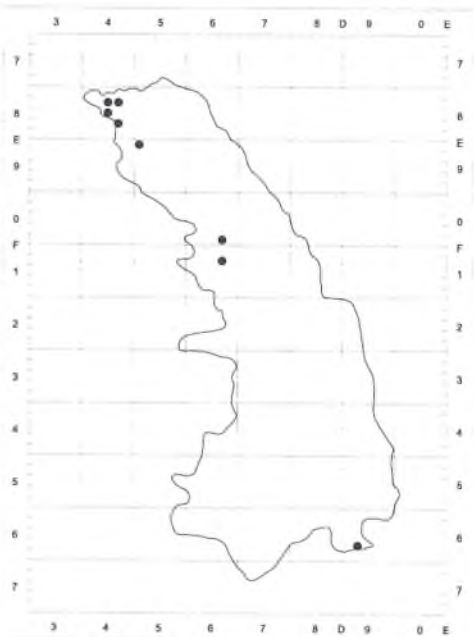
1400. *Veronica vindobonensis*
(M. A. Fisch.) M. A. Fisch.



1401. *Viburnum opulus* L.



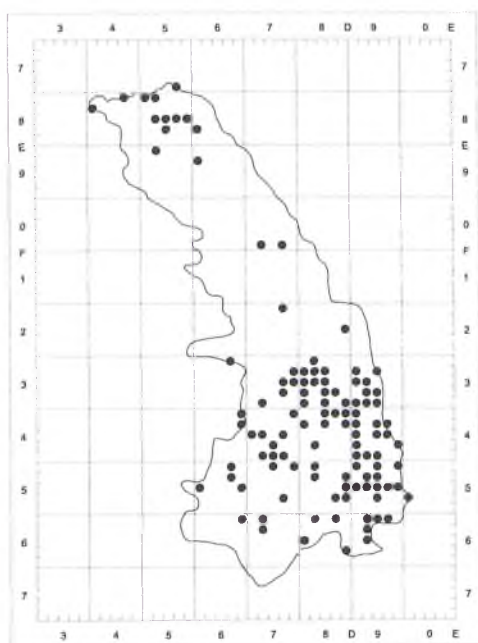
1402. *Vicia angustifolia* L.



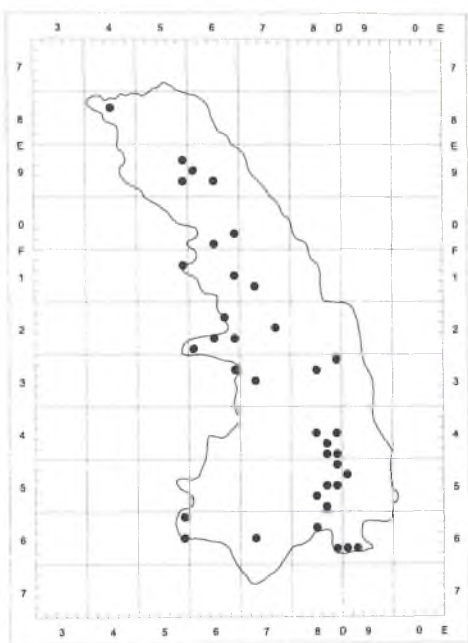
1403. *Vicia cassubica* L.



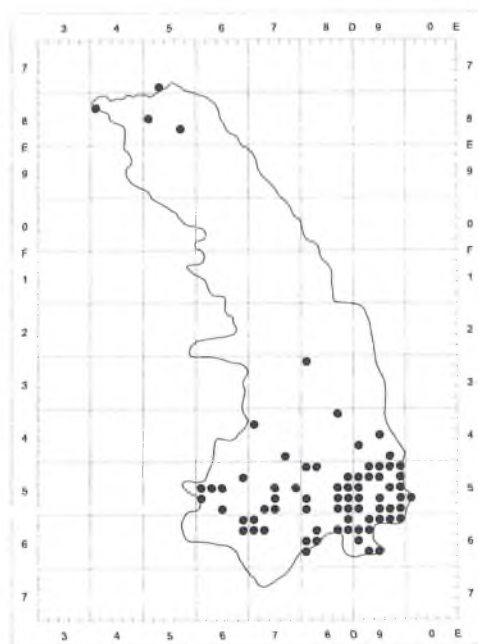
1404. *Vicia cracca* L.



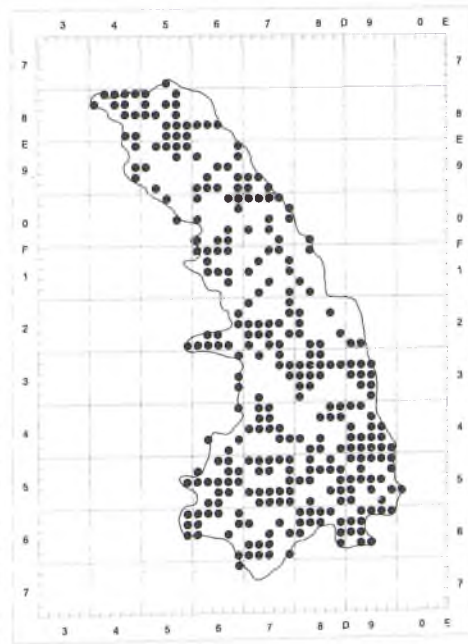
1405. ** *Vicia dasycarpa* Ten.



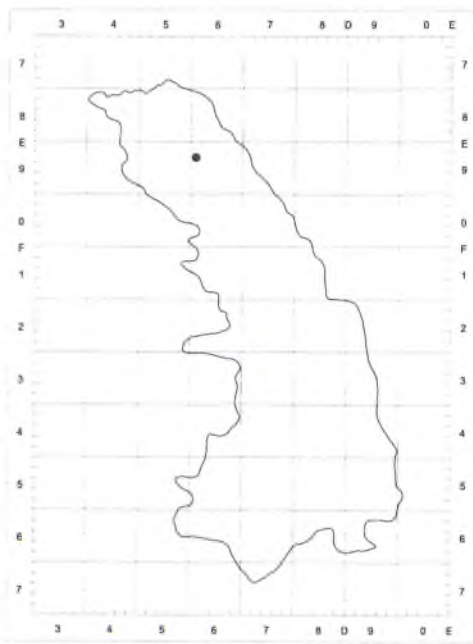
1406. *Vicia dumetorum* L.



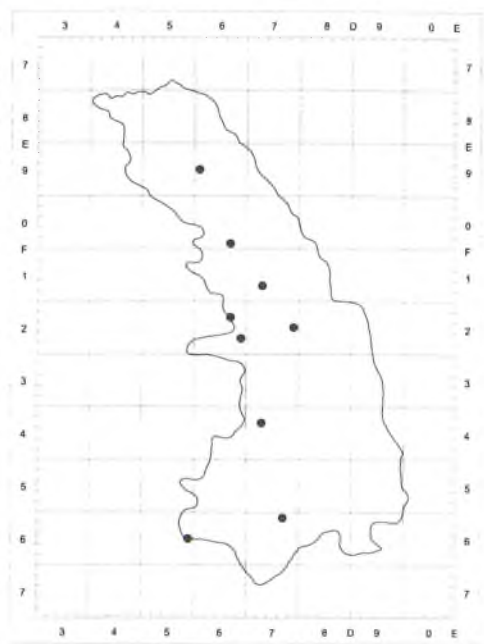
1407. ** *Vicia grandiflora* Scop.



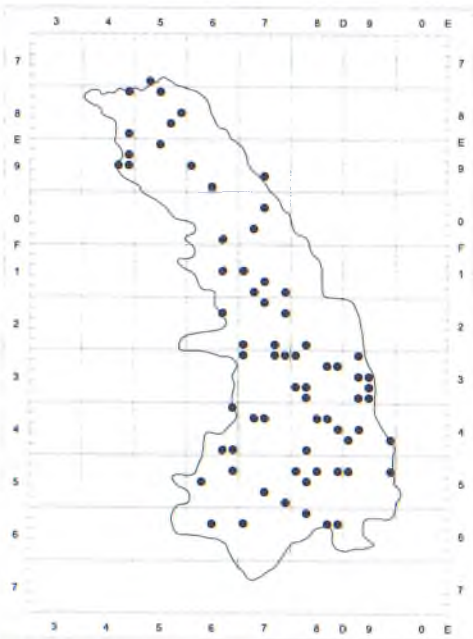
1408. * *Vicia hirsuta* (L.) Gray



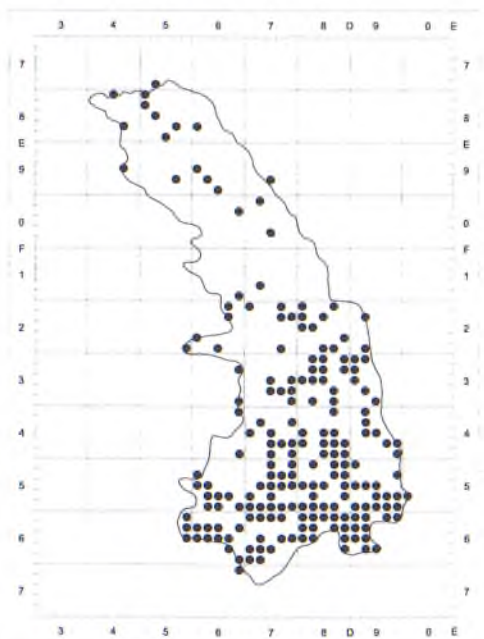
1409. *Vicia lathyroides* L.



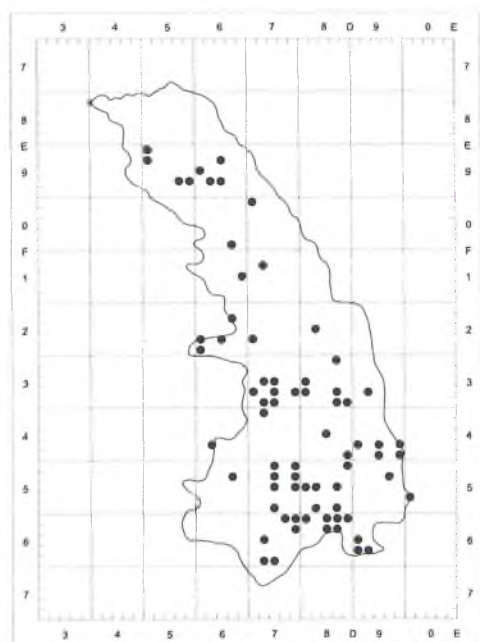
1410. *Vicia pisiformis* L.



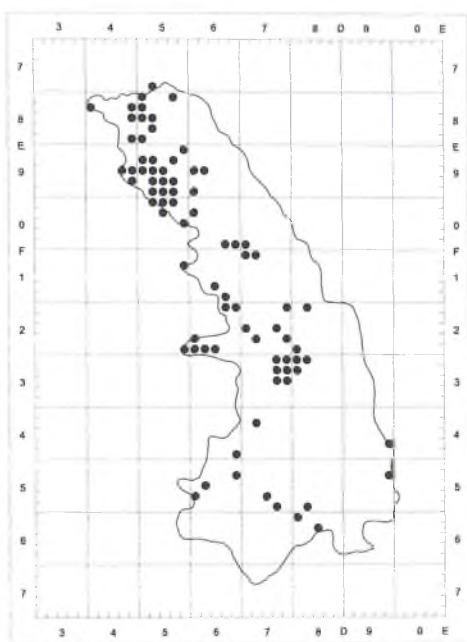
1411. * *Vicia sativa* L.



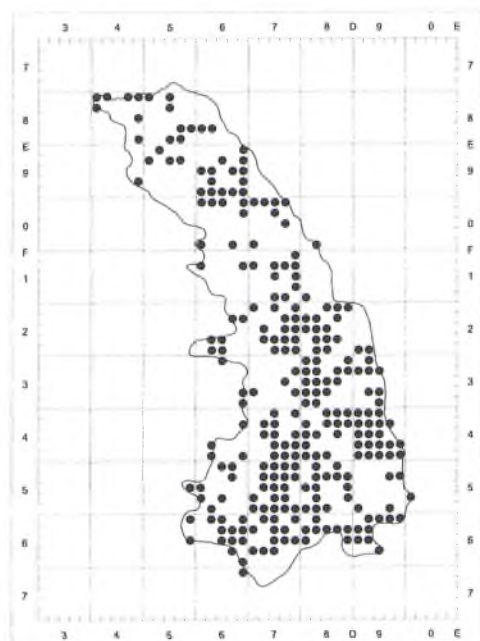
1412. *Vicia sepium* L.



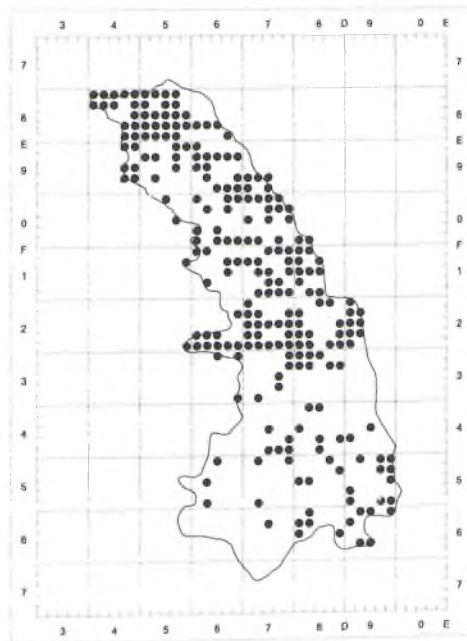
1413. *Vicia sylvatica* L.



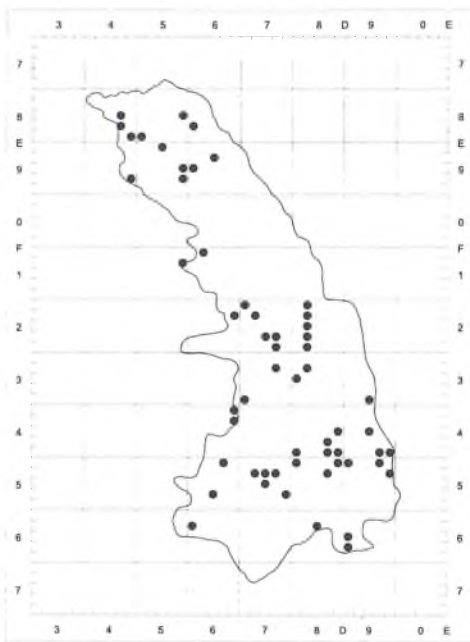
1414. *Vicia tenuifolia* Roth



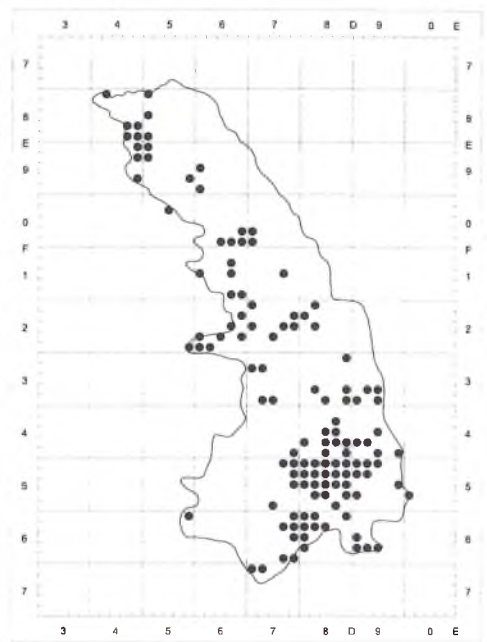
1415. * *Vicia tetrasperma* (L.) Schreb.



1416. * *Vicia villosa* Roth



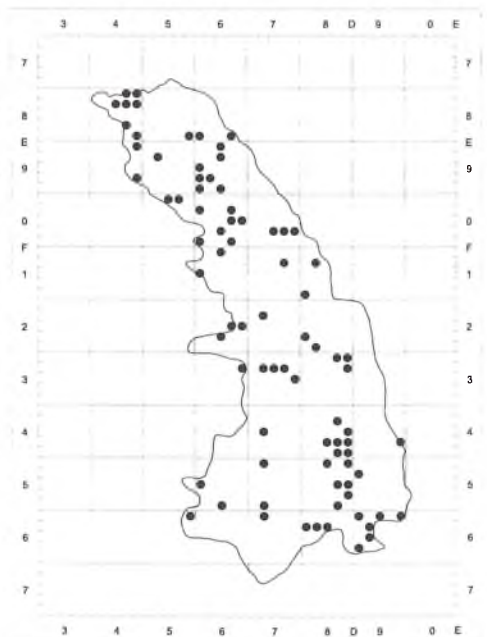
1417. *Vinca minor* L.



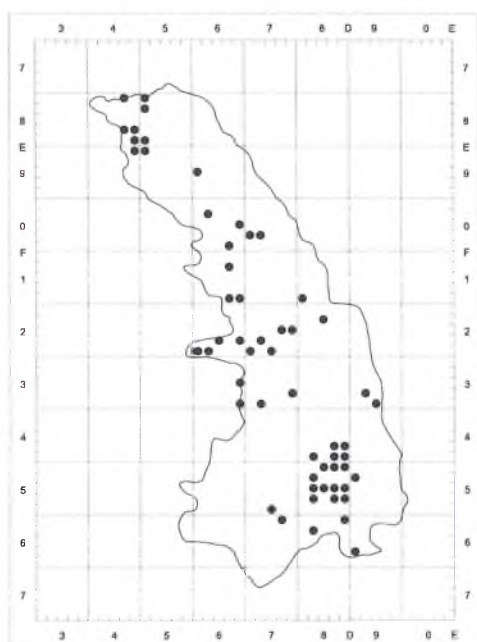
1418. *Vincetoxicum hirundinaria* Medik.



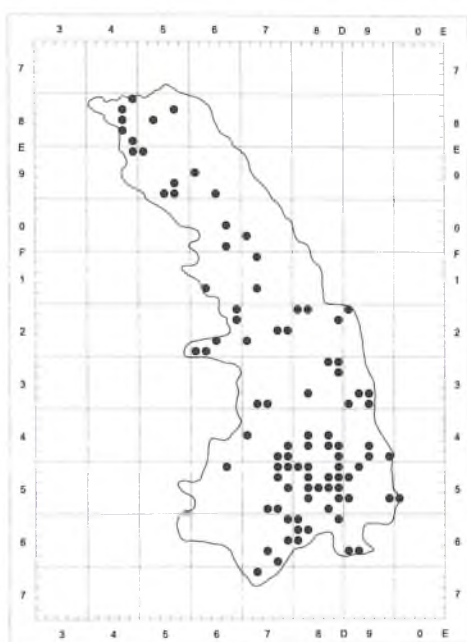
1419. * *Viola arvensis* Murray



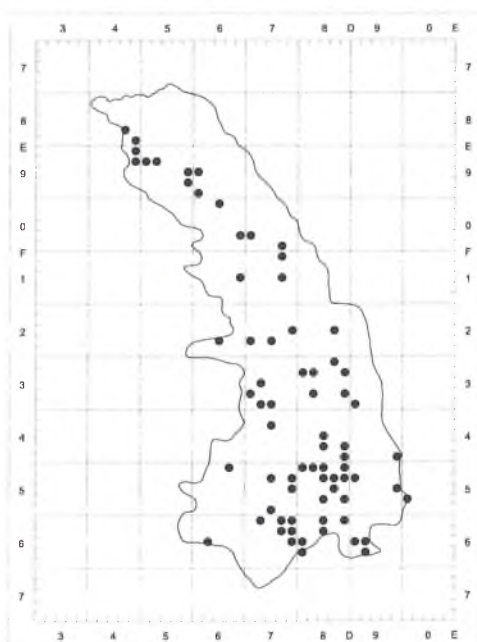
1420. *Viola canina* L. s. str.



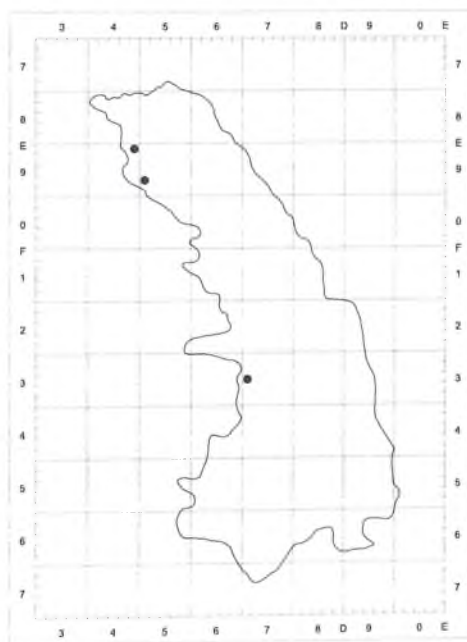
1421. *Viola collina* Besser



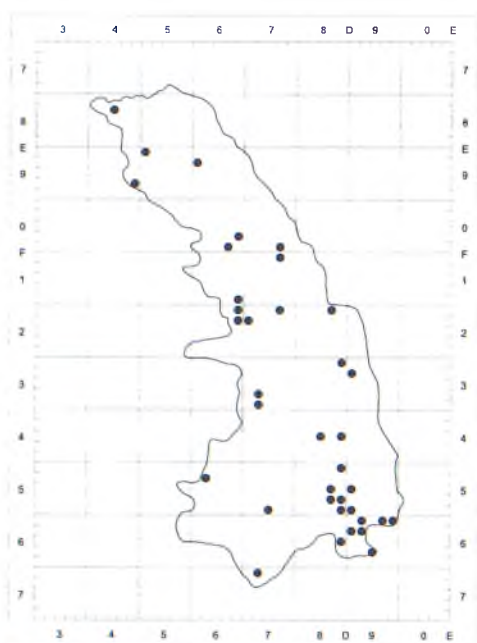
1422. *Viola hirta* L.



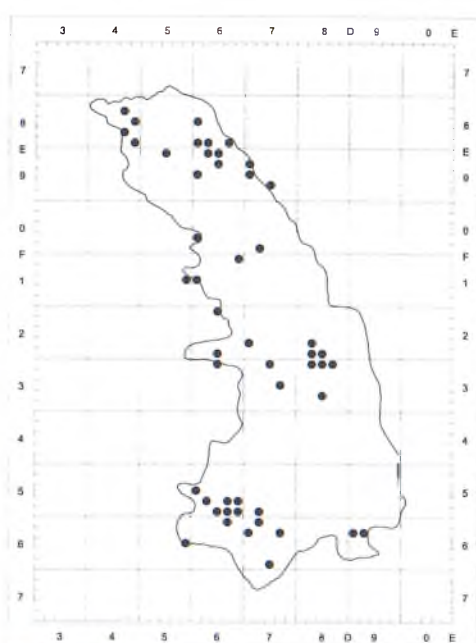
1423. *Viola mirabilis* L.



1424. *Viola montana* L.



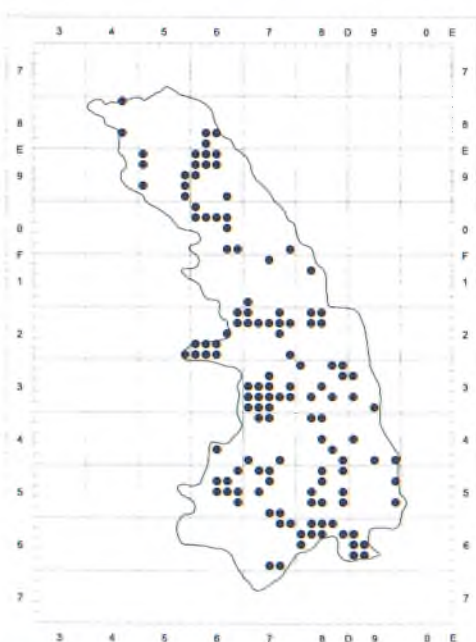
1425. [*] *Viola odorata* L.



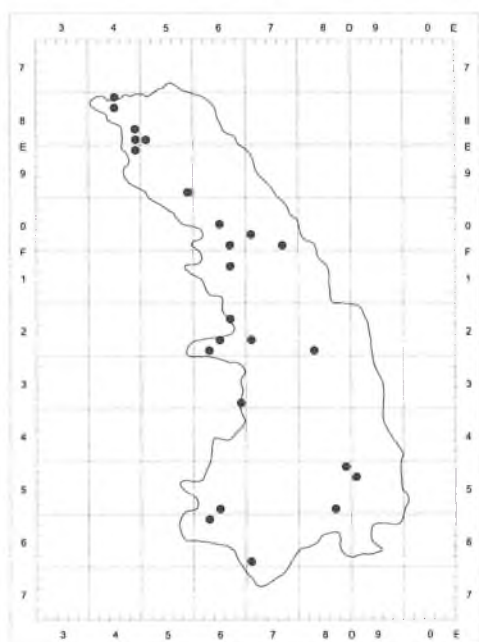
1426. *Viola palustris* L.



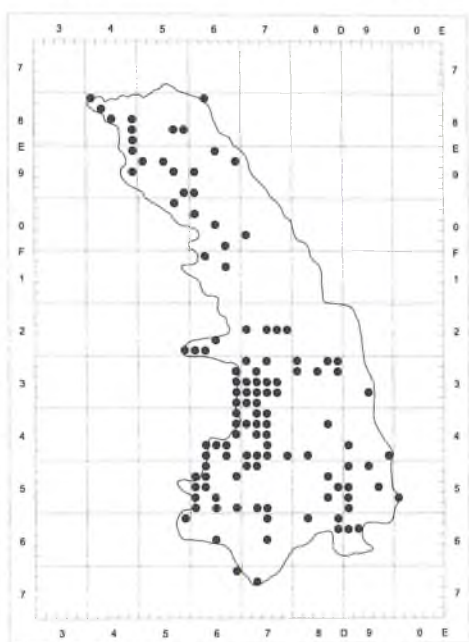
1427. *Viola reichenbachiana*
Jord. ex Boreau



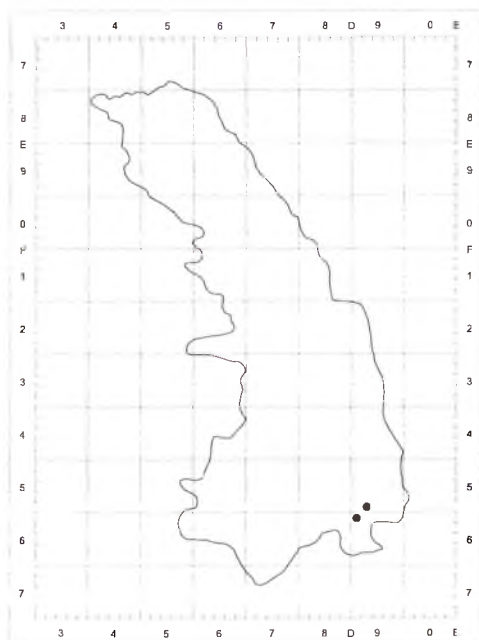
1428. *Viola riviniana* Rehb.



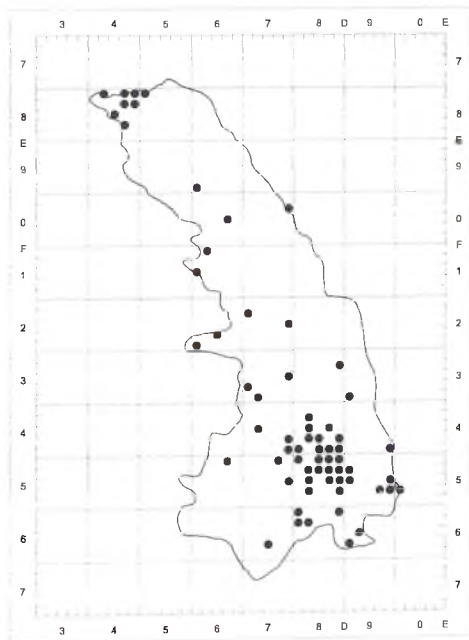
1429. *Viola rupestris* F. W. Schmidt



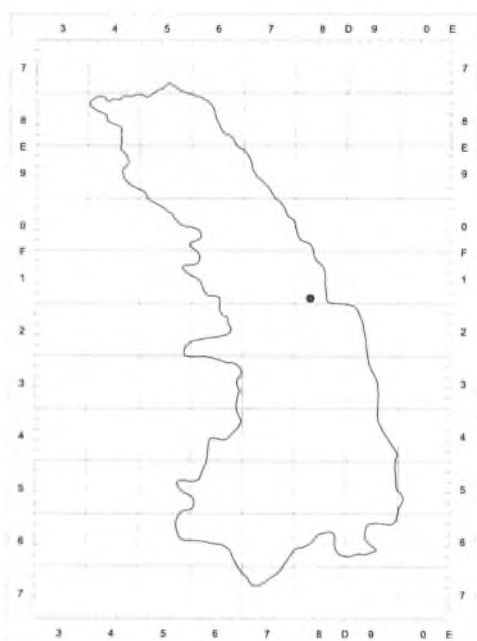
1430. *Viola tricolor* L. s. str.



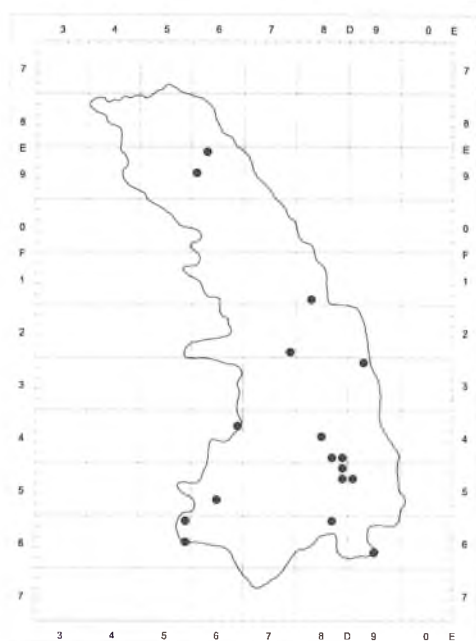
1431. *Viola uliginosa* Besser



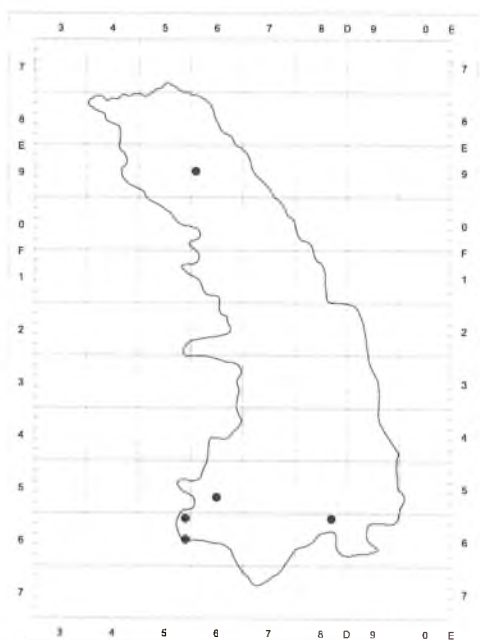
1432. *Viscaria vulgaris* Röhl.



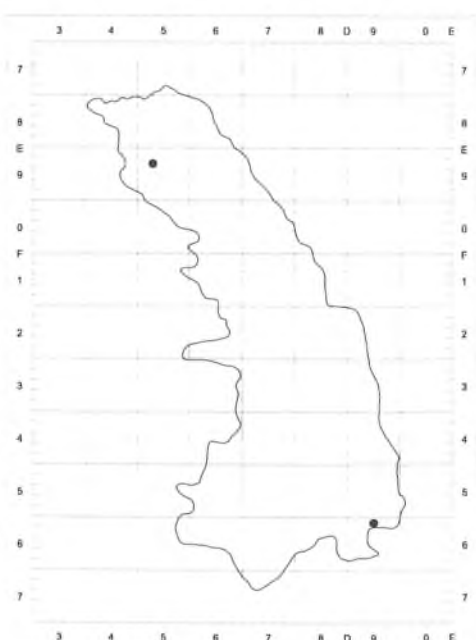
1433. *Viscum album* L. subsp. *abietis* (Wiesb.) Abrom.



1434. *Viscum album* L. subsp. *album*



1435. *Viscum album* L. subsp. *austriacum* (Wiesb.) Vollm.



1436. + *Zannichellia palustris* L.

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Centrum Dziedzictwa Przyrody Górnego Śląska zostało powołane Zarządzeniem Nr 204/92 Wojewody Katowickiego z dnia 15 grudnia 1992 r. do badania, dokumentowania i ochrony oraz prognozowania stanu przyrody Górnego Śląska. Od 1 stycznia 1999 r. Centrum jest samorządową jednostką budżetową przekazaną województwu śląskiemu Rozporządzeniem Prezesa Rady Ministrów z dnia 25 listopada 1998 r.

