

for Cartography



OCAD 9 Vorschau

SOLV Kärtelertagung 2004 Gian-Reto Schaad, Steinegger Software, 27.11.2004

OCAD 9 Zeitplan

- Standard und Professional
- Beta Test 1.Q 2005
- OCAD 9 Release für 3.Q 2005 geplant



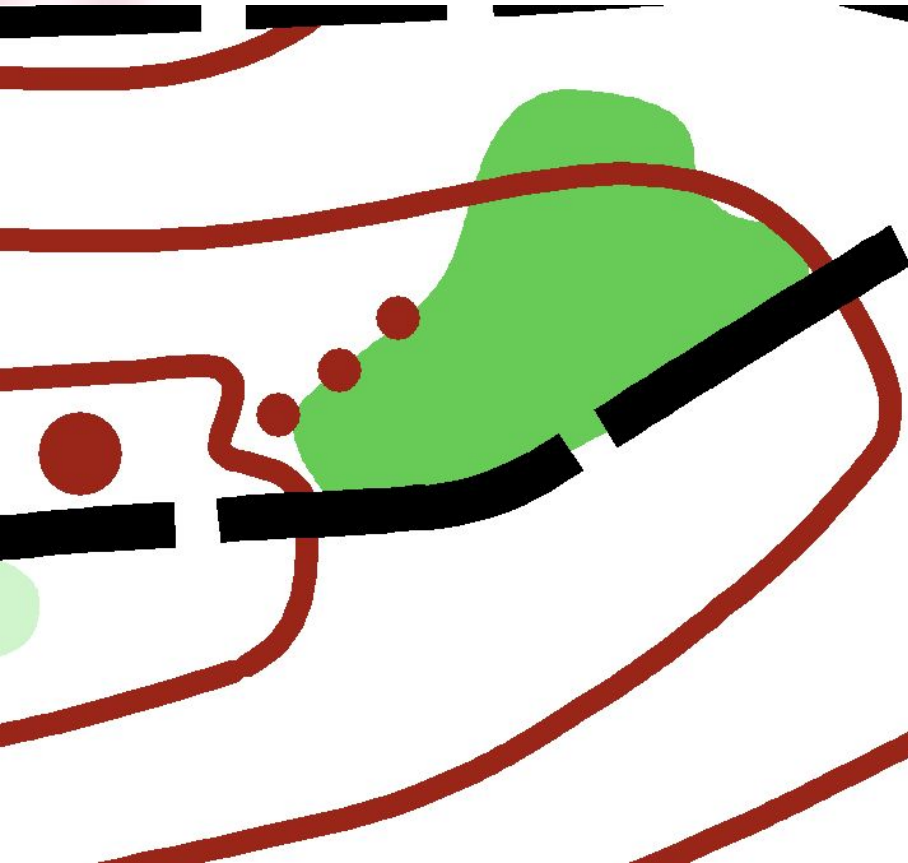
Was ist neu in OCAD 9?

- mehr Benutzerfreundlichkeit (überarbeitete Dialoge)
- mehr GPS (GPS Real Time, GPS Datenimport)
- mehr Bahnlegung
- mehr Internet-Karten (Java, SVG, Flash)
- mehr Exportmöglichkeiten (PDF, SVG)
- mehr Rasterdatenfunktionen (Rasterizer, Blockout-Masken)
- und Anti-Aliasing



Anti-Aliasing (Kantenglättung)

ohne Anti-Alias



mit Anti-Alias



Export Box

The screenshot displays the OCAD 9.00 Professional interface. The main window shows a topographic map of Chlosterwald with a scale of 1:10'000 and a contour interval of 5m. The map includes a grid, a north arrow, and various geographical features like roads, rivers, and buildings. A red banner at the bottom of the map area reads "20th World Orienteering Championships 2003 - Relay".

The 'Export' dialog box is open on the right side, highlighted with a red border. It is configured for exporting a TIFF file. The settings are as follows:

- Format: TIFF
- Resolution: 300 dpi
- Anti-Alias:
- Color correction:
- Partial map: (with '...' and 'OK' buttons)
- Tiles: (with '...' button)
- Geo-referenced TIFF:
- Pixel size: 10.00 m
- Create World file (.tifw):
- Colors: Color TIFF (RGB), Spot colors (with 'Combine' checkbox)
- Spot colors list: Schwarz, Blau, Braun, Gruen, Gelb, Purpur, Rot
- Color: 256 colors (8 bits)
- Compression: LZW
- Buttons: OK, Cancel, Help

At the bottom of the OCAD window, the status bar shows: "Map size: 370.3 x 249.8 mm", "108.56 100.11", "0.94X", and "204.1 kleiner Fels".

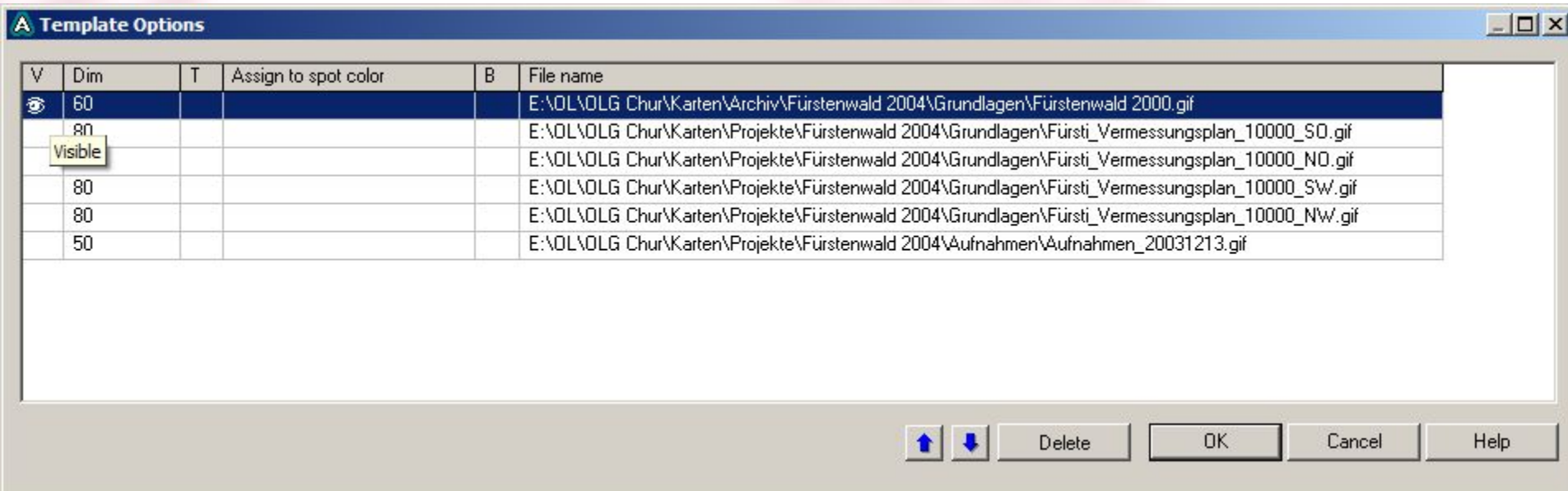
Farbtabelle

		CMYK (process) colors						Spot colors						
No.	Name	Cyan	Magenta	Yellow	Black	0	Trans.	Schwarz	Blau	Braun	Gruen	Gelb	Purpur	Rot
34	Logo Weiss	0	0	0	0	0		0	0	0	0	0	0	0
33	Logo Schwarz	0	0	0	100	0		100						
35	Logo Rot	0	100	100	0	0		0	0	0	0	0	0	100
36	Logo Blau	100	90	0	40	0		45	100					45
38	Logo Grau 40%	0	0	0	40	0		40						
39	Logo Grau 60%	0	0	0	60	0		60						
40	Logo Grau 70%	0	0	0	70	0		70						
11	Purpur	0	100	0	0	✓	0						100	
17	Purpur 50%	0	50	0	0	✓	0						50	
18	Purpur 20%	0	20	0	0	✓	0						20	
14	Alle Farbauszüge	100	100	100	100	0		100	100	100	100	100	100	100
29	WM Rot	0	100	83	0	✓	0				100			
0	Schwarz	0	100	0	100	✓	0	100						
32	Weiss für Strasse im Bau	0	0	0	0	✓	0	0						
15	Strassenfüllung	0	0	0	8	✓	0	0	0	50	0	0		
30	Strassenfüllung 30%	0	0	0	3	✓	0	0	0	30	0	0		
25	Strassen-Seitenlinien	0	0	0	100	✓	0	100						
31	Strassen-Seitenlinien 50%	0	0	0	50	✓	0	50						
2	Blau	100	63	0	0	✓	0		100					
3	Blau 50%	43.5	9.5	0	0	✓	0		50		0	0		
20	Blau 20%	17.5	3.5	0	0	✓	0		20					
4	Braun	0	56	100	37	✓	0			100				
12	Gelb100%/Grün 50%	38	27	100	0	✓	0				50	100		
13	Weiss auf Grün	0	0	0	0	✓	0				0			
6	Grün	100	0	100	32	✓	0				100			
7	Grün 60%	45.5	0	54.5	10	✓	0				60			
8	Grün 30%	17	0	19	0	✓	0				30			
5	Braun 50%	0	28	50	9.5	✓	0			50		0		
21	Braun 30%	0	17	30	5.5	✓	0			20		0		
19	Schwarz 50%	0	0	0	50	✓	0	50						
1	Schwarz 30%	0	0	0	30	✓	0	30						
26	Weiss auf Gelb	0	0	0	0	✓	0					0		
9	Gelb	0	27	79	0	✓	0					100		
10	Gelb 50%	0	13.5	39.5	0	✓	0					55		

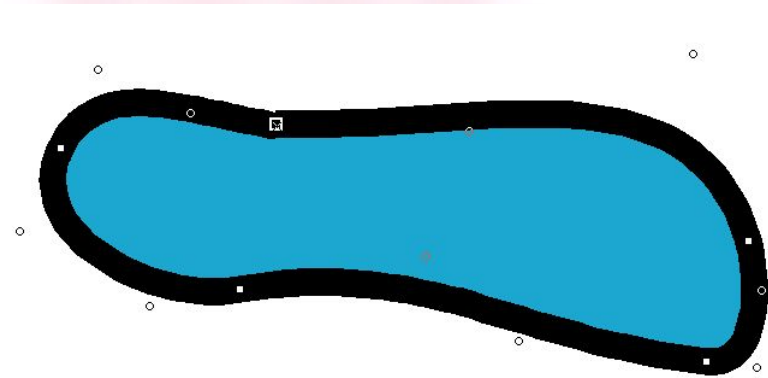
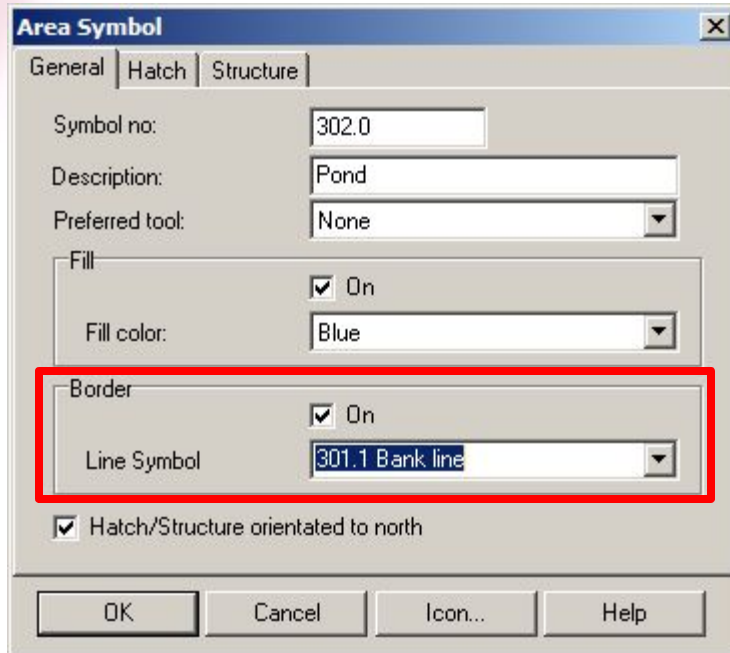
CMYK-Farben

Echtfarben
(5-Farben-Druck)

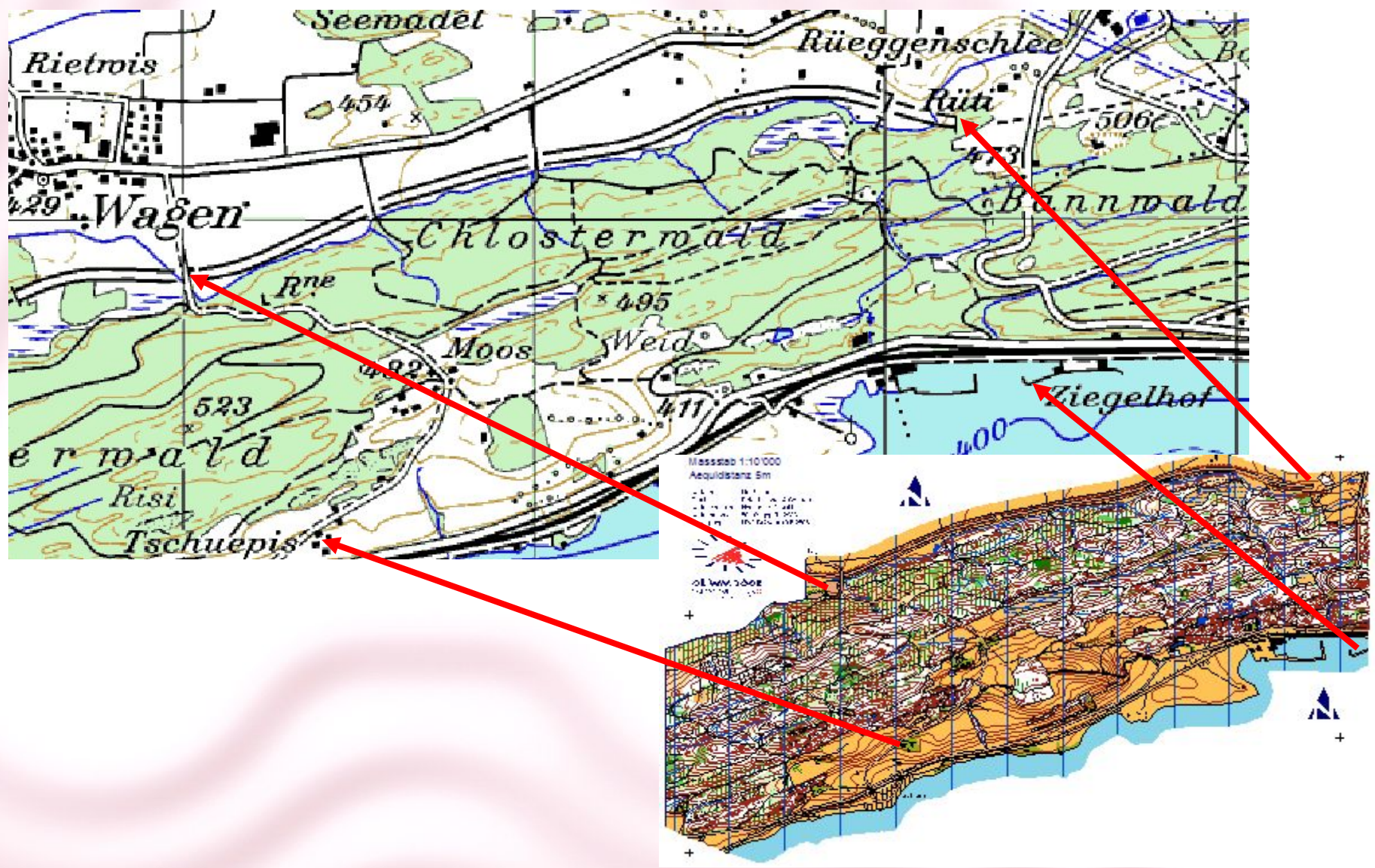
Vorlagen-Optionen



Symbol Definition



Karte transformieren



Symbolsätze-Vergleich

```
Test.CompareResult.txt - Editor
Datei Bearbeiten Format Ansicht ?
Compare symbols
from 'T:\Test.ocd'
with 'C:\OCAD\Symbol\OL-Karte 10 000.ocd'

Colors:
=====
'Test.ocd': 41 Colors
'OL-Karte 10 000.ocd': 33 colors

8 Grün 30% <Modified>
  CMYK (process) colors
  Cyan: 17.0 [23.0]
  Yellow: 19.0 [27.5]

Order of colors:
=====
Order of colors is correct

Symbols:
=====
'Test.ocd': 207 Symbols
'OL-Karte 10 000.ocd': 166 Symbols

204.1 kleiner Fels <Added> Objects: 6
307.1 blaue Rinne <Added> Objects: 98
102.0 Zahlkurve <Modified> Objects: 263
  Main Line
  Line width: 0.33mm [0.38mm] -> 87%
101.0 Höhenlinie <Modified> Objects: 1058
  Main Line
  Line width: 0.18mm [0.21mm] -> 86%
109.0 Graben <Modified> Objects: 58
  Main Line
  Line width: 0.36mm [0.38mm] -> 95%
  Line length, Distance from start: 1.09mm [1.12mm] -> 97%
  Line length, Distance to the end: 1.09mm [1.12mm] -> 97%
853.0 Gebäude: Umrisslinie <Removed> Objects: 0

Zeile 2, Spalte 19
```

GPS Daten Import

Import from GPS

GPS: eTrex Legend Software Version 3.40 VERBMAP Atlantic Highway 1.00 VERSMAP International Marine POI 1.00
GPS-ID: 179 Version: 3.40
Status: GPS connected!

W: 016;	waypoint dot;	Y:796483	X:166836	H:1659
W: 017;	waypoint dot;	Y:796422	X:166748	H:1662
W: 018;	waypoint dot;	Y:796396	X:166756	H:1661
W: 019;	waypoint dot;	Y:796435	X:166802	H:1661
W: 020;	waypoint dot;	Y:796350	X:166657	H:1659
W: 021;	waypoint dot;	Y:796900	X:166400	H:1655
W: 022;	waypoint dot;	Y:796851	X:166467	H:1650
W: 023;	waypoint dot;	Y:796887	X:166850	H:1668
W: 024;	waypoint dot;	Y:796981	X:167116	H:1679
W: 025;	waypoint dot;	Y:797017	X:167117	H:1676
W: 026;	waypoint dot;	Y:797016	X:167162	H:1673
W: 027;	waypoint dot;	Y:796919	X:167208	H:1676

Buttons: Connect GPS, Close, Settings..., Help

GPS Data: Get waypoints, Get tracks

OCAD Objects: Set labels, CRT, Make

Coordinate system

Coordinate system

Grid: Swiss Grid CH1903

Map datum: Finnish Grid KKJ, France Lambert, German Grid DHDN, Gauss-Krüger, Japan, Norwegian Grid NGO 1948, Swedish RT90

Ellipsoid: Swiss Grid CH1903

Location: UTM

Buttons: OK, Cancel, Help



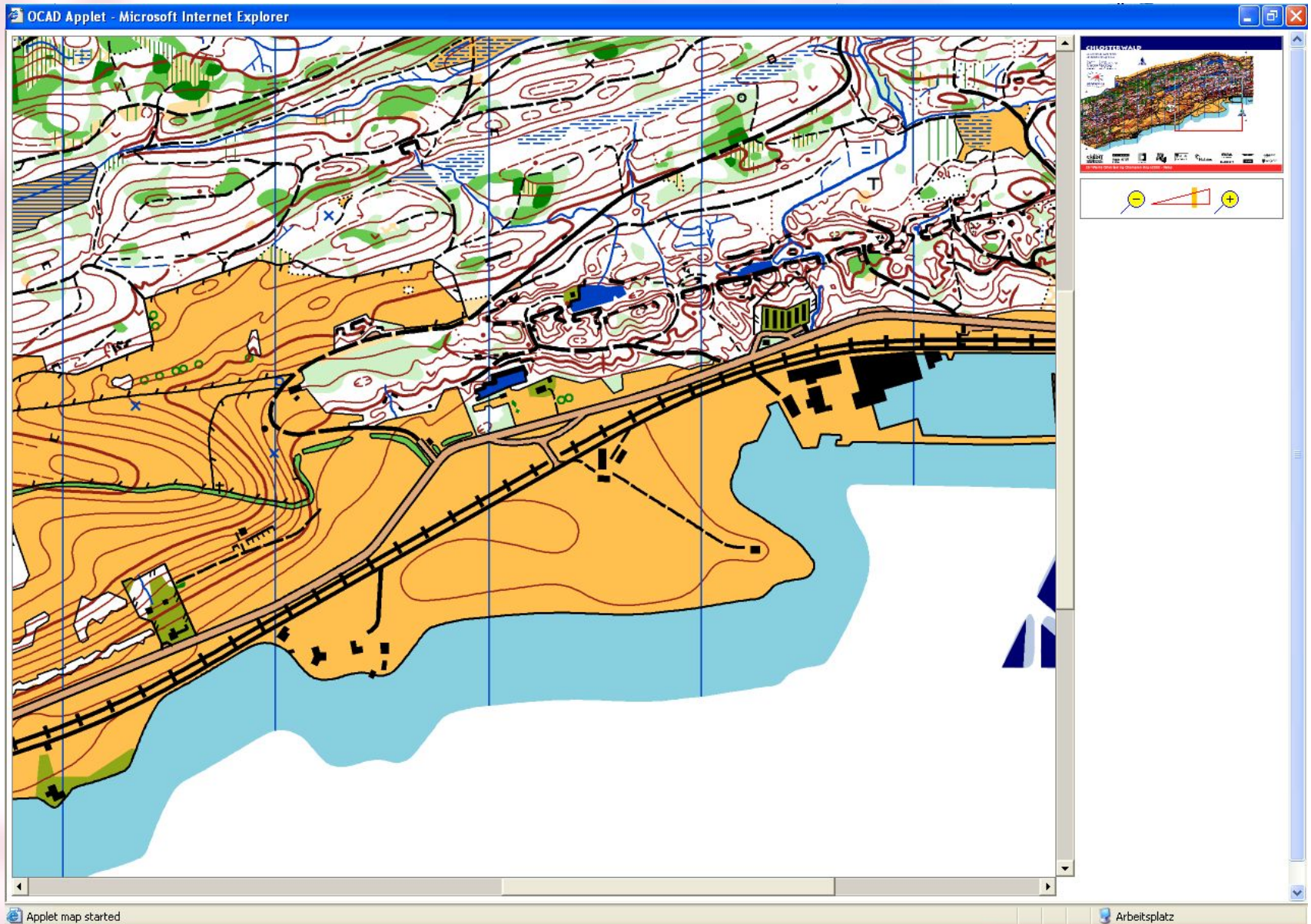
GPS Real Time

The screenshot shows the OCAD software interface. The main map area displays a technical drawing with various colored lines and symbols. A red circle highlights a specific point on a blue line. A small window in the bottom right corner, titled "GPS: GPS connected!", displays the following data:

X:	231854
Y:	710046
Height:	442
Satellites:	9
HDOP:	2
10 sec. Precision:	17.6

The status bar at the bottom of the window shows coordinates: 710052.2 231819.1 20X 204.1 kleiner Fels.

OCAD Internet Karten



Bahnlegung

OCAD Test 9.00 Test 0 Professional - [X:\Bahnlegung\Bahnen Laax.ocd]

File Edit View Symbol Extras Course Database Template Options Window Help

0 1 2

	DA	3.220	200
1	32	U	4x5
2	35	▲	1.0
3	43	← ●	Q
4	60	U	2x4
5	53	▨	↗
6	59	○	○
7	78	∩	
8	57	▨	1.5

9	61	∩		
10	100	≠		♀
		190	→	
11	145	∩		
12	119	▨	0.8	⊥
13	125	○		Q
14	149	↗		⊥
		150	→	

Object

Change code... Text Symbol...

59

Classes: Frequency: 502
DA H18 H40 H45

Course

DA

Preview

Insert... Reset

Length: 3.220

51 S1
52
53 1. 32
54 2. 35
55 3. 43
56 4. 60
57 5. 53
58 6. 59
59 7. 78
60 8. 57
61 9. 61
62 10. 100
63 M3
64 11. 145
65 12. 119
66 13. 125
67 14. 149
68 M1
69 Z1
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97

134.22 99.81 2.2K 720.0 Postenbeschreibung oben links

Bahnlegung - Bahnen

Bahnen

Course:	Extra length:	Climb:	Course type:	Legs:
D10 Troll	0.20	90	Normal course	1
D12	0.20	110	Normal course	1
D14	0.20	150	Normal course	1
D16	0.00	170	Normal course	1
D18	0.00	210	Normal course	1
D20	0.00	210	Normal course	1
D35	0.00	200	Normal course	1
D40	0.00	160	Normal course	1
D45	0.00	160	Normal course	1
D50	0.20	160	Normal course	1
D55	0.20	150	Normal course	1
D60	0.20	140		
D65	0.20	110		
D70	0.20	100		
D75	0.20	95		
DA	0.00	200		
DAK	0.20	170		
DB	0.20	120		
DE	0.00	220		
H10 Troll	0.20	95		

Buttons: ↑ ↓ Add... Duplicate Delete

Kategorien

Create classes automatically

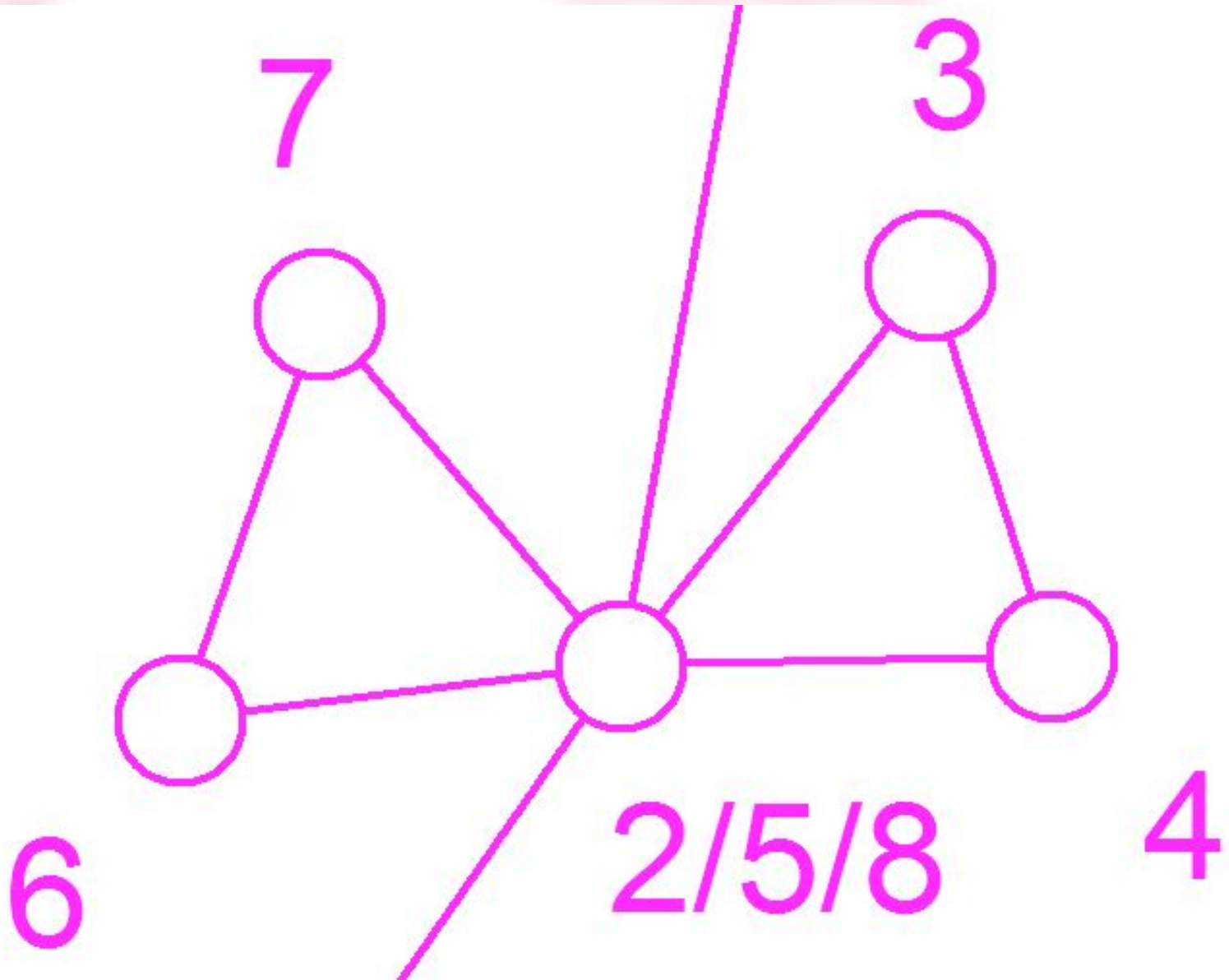
Class:	Course:	Runners/teams:	Start numbers	
			From:	To:
D20	D20	79		
H10 Troll	H10 Troll	48		
D10 Troll	D10 Troll	39		
DE	DE	61		
D35	D35	47		
HE	HE	122		
DA	DA	84		
D18	D18	80		
D12	D12	79		
D14	D14	78		
D75	D75	6		
D70	D70	10		

Buttons: Add... Delete OK Cancel Help

Bahnlegung – Postenfrequenzen

The screenshot displays the OCAD 9.00 Professional software interface. The main window shows a topographic map with a railway line (black) and several pink circles containing numbers: 93, 213, 164, 354, 206, 284, 174, and 200. A red box highlights the circle with the number 164. The right-hand panel shows the Object Properties window, with the 'Classes' field set to 'DA D18' and the 'Frequency' field set to '164'. The '<Control frequencies>' dropdown menu is also highlighted with a red box. The status bar at the bottom indicates the coordinates 29.88 12.18, a scale of 5.6X, and the code '830.1 Postnetz: Code'.

Bahnlegung - Schmetterling



Weitere neue Features für die Kartographie (nur in Professional)

- 1 – Bit TIFF Rasterizer
- XML- Skript für Export
- Mehr Datenbank-Funktion
- Blockout-Masken für Vorlagen
- Favoriten-Symbol und Symbolbaum in Symbolbox

